



# Wessex Fluid Power

UK Limited



- Hydraulics
- Pneumatics
- Industrial Equipment
- Filtration



## INDUSTRIAL CATALOGUE

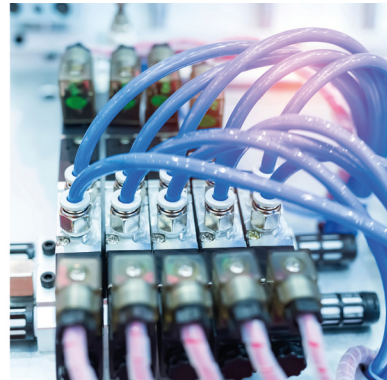
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# Wessex Fluid Power UK Limited

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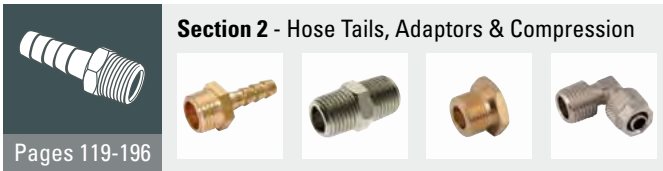
# INDUSTRIAL CONTENTS



**Section 1 - Couplings**

Pages 3-118

This section features five images of various industrial couplings, including brass and stainless steel fittings with different end configurations.



**Section 2 - Hose Tails, Adaptors & Compression**

Pages 119-196

This section displays four images of hose-related components, including brass hose tails, stainless steel adaptors, and compression fittings.



**Section 3 - Stainless Steel Fittings & Valves**

Pages 197-238

This section shows four images of stainless steel fittings and valves, including a ball valve, a tee fitting, a cross fitting, and a larger valve assembly.



**Section 4 - Malleable Pipe & Fittings**

Pages 239-292

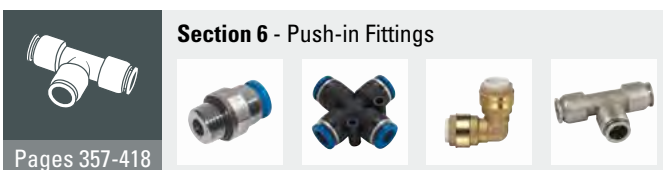
This section contains four images of malleable pipe and fittings, including a tee fitting, an elbow, a straight pipe section, and a larger flange fitting.



**Section 5 - Ring Main**

Pages 293-356

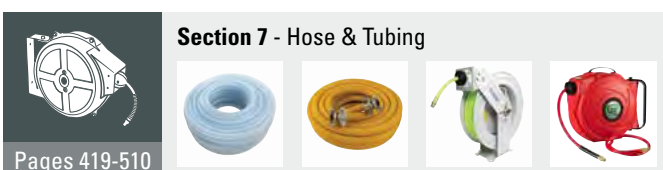
This section displays four images of ring main components, including a tee fitting, a black pipe section, a blue pipe section, and a blue pipe with a fitting.



**Section 6 - Push-in Fittings**

Pages 357-418

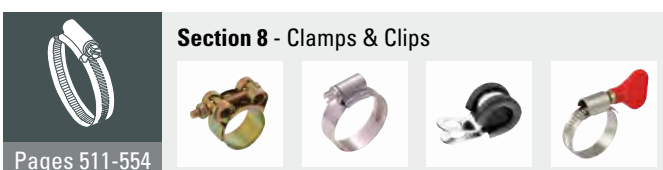
This section features four images of push-in fittings, including a tee fitting, a cross fitting, a brass fitting, and a larger tee fitting.



**Section 7 - Hose & Tubing**

Pages 419-510

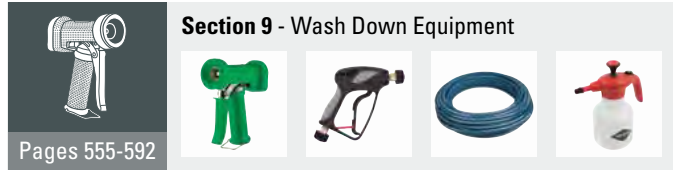
This section shows four images of hoses and tubing, including a blue hose, a yellow hose, a green hose reel, and a red hose reel.



**Section 8 - Clamps & Clips**

Pages 511-554

This section displays four images of clamps and clips, including a metal clamp, a stainless steel clamp, a black clamp, and a red-handled clamp.



**Section 9 - Wash Down Equipment**

Pages 555-592

This section features four images of wash down equipment, including a spray gun, a spray lance, a blue hose, and a spray bottle.



**Section 10 - Industrial Valves**

Pages 593-608

This section shows four images of industrial valves, including a ball valve, a gate valve, a butterfly valve, and a large blue valve.



**Section 11 - Air Preparation & Gauges**

Pages 609-648

This section displays four images of air preparation and gauge components, including a pressure gauge, a solenoid valve, a pressure gauge, and a filter/regulator.



**Section 12 - Fuelling & Lubrication**

Pages 649-692

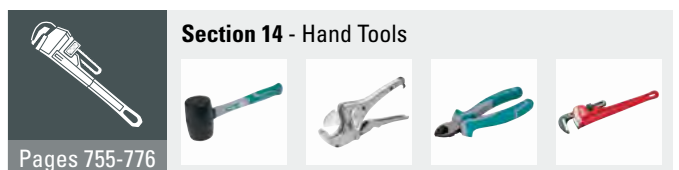
This section contains four images of fuelling and lubrication equipment, including a fuel nozzle, a fuel tank, a motor, and a fuel container.



**Section 13 - Compressors & Workshop Equipment**

Pages 693-754

This section shows four images of compressors and workshop equipment, including a large compressor, a spray gun, a spray lance, and a spray bottle.



**Section 14 - Hand Tools**

Pages 755-776

This section features four images of hand tools, including a hammer, a pair of pliers, a pair of pliers, and a pair of pliers.



**Section 15 - Engineering Consumables**

Pages 777-844

This section displays four images of engineering consumables, including a spray can, a spray can, a spray can, and a spray can.

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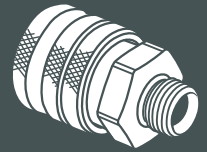


All brands featured on this page may not appear in this catalogue. Please contact our sales team for any enquiries.



# SECTION 1

## Couplings



- Parker Rectus Pneumatic Couplings
- PCL Pneumatic Couplings
- ITM Pneumatic Couplings
- Kee Pneumatic Couplings
- Oetiker Pneumatic Couplings
- Parker Schrader Pneumatic Couplings
- Aignep Mould Couplings
- Tomco Couplings
- Holmbury Hydraulic Couplings
- Hy-fitt Hydraulic Couplings
- DNP Hydraulic Couplings
- Snap-Tite Couplings
- Cam & Groove Couplings
- Storz Din Couplings
- IBC Off Load Couplings
- Mortar Hose Couplings
- Trench Pump Couplings
- Tanker Couplings
- Fire Hose Couplings
- Lever Lock Couplings
- Claw Couplings
- Shot Blast Couplings
- Steam Couplings

# 1 SECTION 1 CONTENTS

A-Z



Couplings



Aignep Plastic Injection Couplings	71	Mould Couplings	39-41
Breathing Air Couplings	42	Oetiker Couplings	68
Cam & Groove Couplings	82-86	PCL Couplings	43-54
Claw Couplings & Accessories	107-113	Pneumatic Couplings	7-73
Dallai Lever Lock Couplings	97-104	Rectus Couplings	7-42
DNP Hydraulic Couplings	77-78	Schrader Couplings	69
Fire Hose Couplings	96	Shot Blast Couplings	115-116
Flexible Joints	70	Shot Blast Nozzle Holders	115
Holmbury Hydraulic Couplings	74-75	Snap-Tite Couplings	79
Hose Joiners	95	Standpipes	114
Hydraulic Couplings	74-79	Steam Couplings & Clamps	117-118
Hy-fitt Hydraulic Couplings	76	Steam Hoses	118
IBC Couplings	89	Storz Din Couplings	87-88
ITM BE Couplings	55-61	Tanker Couplings	94
Jaymac Claw Couplings	110-112	Thermplastic Couplings	36-37
Jaymac Lever Lock Couplings	105-106	Tomco Couplings	73
Kee Couplings	62-67	Trench Pump Hose Couplings	91-93
Lever Lock Couplings	97-106	Unicone Fittings	116
Ludecke Claw Couplings	107-109	Water Hose Couplings	112
Mortar Hose Couplings	90	Weld Couplings	38

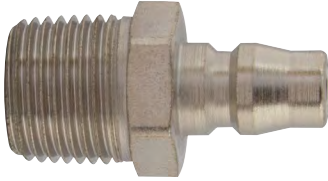


# PROFILE IDENTIFICATION

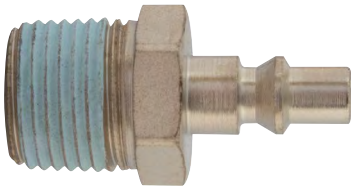
A quick and easy to use guide, simply place your plug along the actual size images to select the correct profile. Turn to the page indicated alongside the image for full part details.



**Parker Rectus Tema, Series 02** Page 7



**Parker Rectus Tema, Series 13** Page 8  
**PCL, KF Series** Page 51



**Parker Rectus Tema, Series 14** Page 9  
**PCL, 'A' Style Couplings** Page 50



**KEE, Series 054** Page 63  
**Parker Rectus Tema, Series 17** Page 10  
**PCL, PF Series** Page 48  
**Parker Schrader, Standard Duty Series** Page 69



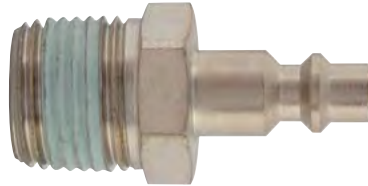
**KEE, Series 057** Page 64  
**Parker Rectus Tema, Series 19** Page 11  
**PCL, Air Line Series** Page 43



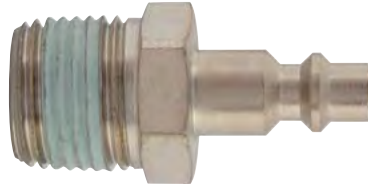
**Parker Rectus Tema, Series 20** Pages 12-13



**KEE, Series 050** Page 65  
**Parker Rectus Tema, Series 21** Pages 14-15  
**PCL, Mini Series** Page 46



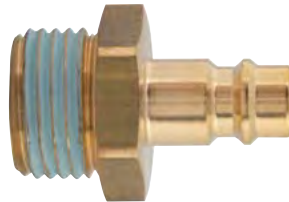
**Parker Rectus Tema, Series 23** Page 22  
**PCL, ISO B12 Series** Page 49



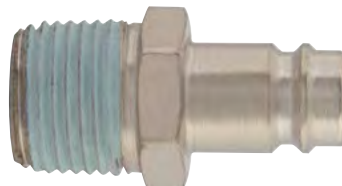
**Parker Rectus Tema, Series 24** Page 23  
**PCL, ISO B12 Series** Page 49



**KEE, Series 075** Page 67  
**Parker Rectus Tema, Series 25** Pages 24-26  
**PCL, XF Series** Page 47



**Parker Rectus Tema, Series 26** Pages 27-28

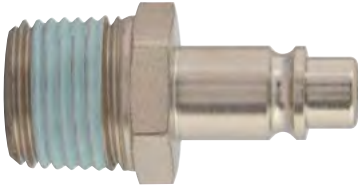


**Parker Rectus Tema, Series 27** Pages 30-31

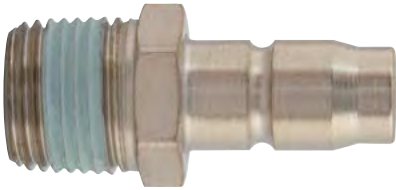


# PROFILE IDENTIFICATION

A quick and easy to use guide, simply place your plug along the actual size images to select the correct profile. Turn to the page indicated alongside the image for full part details..



**Parker Rectus Tema, Series 33** Page 32



**Parker Rectus Tema, Series 34** Page 33



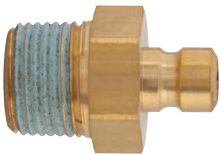
**Parker Rectus Tema, Series 41** Page 34



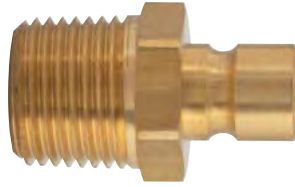
**Parker Rectus Tema, Series 45** Page 35



**Parker Rectus Tema, Series 48** Pages 36-37



**Parker Rectus Tema, Series 86** Pages 39-40



**Parker Rectus Tema, Series 87** Page 41



**Parker Rectus Tema, Series 95/96** Page 42



**PCL, 60 Series** Page 45



**PCL, 100 Series** Page 45



**PCL, Instantair Series** Pages 53-54



**Tomco, ST Series** Page 73

# SERIES 02KA



**° Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 psi)



Actual Size

**Material:**  
Brass and buna seal (standard series) coupling and plug.  
**Application:**  
Medical and dental equipment, robotics instrumentation, air brush systems and pneumatic systems.

## Couplings



Male Thread, Metric

2010	Thread	Hex Size mm	Length mm
02KAAM03MPX	M3	6	19
Tech Sheet 10276			



Hose Tail

2010	To Suit Hose ID mm	Hex Size mm	Length mm
02KATF02MPX	2	6	21
Tech Sheet 10276			

## Plugs



Male Thread, Metric

2010	Thread	Hex Size mm	Length mm
02SFAM03MXX	M3	6	11
Tech Sheet 10276			



Female Thread, Metric

2010	Thread	Hex Size mm	Length mm
02SFIM03MXX	M3	6	10
Tech Sheet 10276			



Hose Tail

2010	To Suit Hose ID mm	Length mm
02SFTF03MXX	3	13
Tech Sheet 10276		

Other materials, seals and finishes available on request, please contact our technical department for further details.



# SERIES 13KA



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 psi)



**Interchangeability:**  
Rectus 03,  
Nitto Kohki 200 (Japan)  
Cejn 314, 315

**Material:**  
Brass and buna seal (standard series) coupling.  
**Application:**  
General purpose pneumatic coupling



Actual Size

## Couplings



### Male Thread, BSPT

1310	Thread	Hex Size mm	Length mm
13KAAK13MPX	1/4"	22	49
13KAAK17MPX	3/8"	22	49
13KAAK21MPX	1/2"	22	53

Tech Sheet 501



### Female Thread, BSPP

1310	Thread	Hex Size mm	Length mm
13KAIW13MPX	1/4"	22	45
13KAIW17MPX	3/8"	22	45
13KAIW21MPX	1/2"	24	48

Tech Sheet 501



### Hose Tail

1310	To Suit Hose ID	Hex Size mm	Length mm
13KATF06MPX	6mm (1/4")	21	62
13KATF08MPX	8mm (5/16")	21	62
13KATF10MPX	10mm (3/8")	21	62
13KATF13MPX	13mm (1/2")	21	62

Tech Sheet 501

## Plugs



### Male Thread, BSPT

1310	Thread	Hex Size mm	Length mm
13SFAK13SXN	1/4"	14	37
13SFAK17SXN	3/8"	17	37
13SFAK21SXN	1/2"	22	44

Tech Sheet 501



### Female Thread, BSPP

1310	Thread	Hex Size mm	Length mm
13SFIW13SXN	1/4"	17	33
13SFIW17SXN	3/8"	19	33
13SFIW21SXN	1/2"	24	36

Tech Sheet 501



### Hose Tail

1310	To Suit Hose ID	Length mm
13SFTF06SXN	6mm (1/4")	48
13SFTF08SXN	8mm (5/16")	48
13SFTF10SXN	10mm (3/8")	48
13SFTF13SXN	13mm (1/2")	48

Tech Sheet 501



# SERIES 14KA



1

**Working Temperature:**  
-20°C to +100°C  
Standard Seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 psi)



**Interchangeability:**  
Rectus 22, ARO 210, Parker 50,  
Cejn 300, JWL 522, JWL 532.

**Material:**  
Brass and buna seal (standard series) coupling.  
**Application:**  
General purpose pneumatic coupling



Actual Size

Couplings

## Couplings



### Male Thread, BSPP

0194	Thread	Hex Size mm	Length mm
14KAAW13MPX	1/4"	22	43
14KAAW17MPX	3/8"	22	43
14KAAW21MPX	1/2"	22	46

Tech Sheet 502



### Female Thread, BSPP

0194	Thread	Hex Size mm	Length mm
14KAIW13MPX	1/4"	22	43
14KAIW17MPX	3/8"	22	43
14KAIW21MPX	1/2"	24	46

Tech Sheet 502



### Hose Tail

0194	To Suit Hose ID mm	Hex Size mm	Length mm
14KATF06MPX	6	21	60
14KATF08MPX	8	21	60
14KATF09MPX	9	21	60
14KATF10MPX	10	21	60
14KATF13MPX	13	21	60

Tech Sheet 502

## Plugs



### Male Thread, BSPT

2210	Thread	Hex Size mm	Length mm
22SFAK13SXN	1/4"	14	41
22SFAK17SXN	3/8"	17	41
22SFAK21SXN	1/2"	22	46

Tech Sheet 30001



### Female Thread, BSPT

2210	Thread	Hex Size mm	Length mm
22SFIW13SXN	1/4"	17	35
22SFIW17SXN	3/8"	19	35
22SFIW21SXN	1/2"	24	38

Tech Sheet 30001



### Hose Tail

2210	To Suit Hose ID	Length mm
22SFTF06SXN	6	49
22SFTF08SXN	8	49
22SFTF10SXN	10	49
22SFTF13SXN	13	49

Tech Sheet 30001

Other materials, seals and finishes available on request, please contact our technical department for further details.

9

# SERIES 17KA



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 psi)



**Interchangeability:**  
Standard Schrader series NW5  
**Flow Rate:** 865 L/min

**Material:**  
Steel nickel plated, Buna seal (standard series coupling).  
**Application:**  
General purpose pneumatic coupling, garages, workshops.



Actual Size

## Couplings



### Male Thread, BSPT

1710	Thread	Hex Size mm	Length mm
17KAAK13SPN	1/4"	19	63
17KAAK17SPN	3/8"	19	62
17KAAK21SPN	1/2"	22	63

Tech Sheet 503



### Female Thread, BSPP

1710	Thread	Hex Size mm	Length mm
17KAIW13SPN	1/4"	19	58
17KAIW17SPN	3/8"	19	57
17KAIW21SPN	1/2"	24	60

Tech Sheet 503

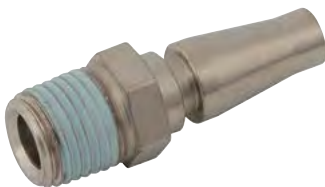


### Hose Tail

1710	To Suit Hose ID	Hex Size mm	Length mm
17KATF06SPN	6mm (1/4")	19	76
17KATF08SPN	8mm (5/16")	19	76
17KATF10SPN	10mm (3/8")	19	76
17KATF13SPN	13mm (1/2")	19	76

Tech Sheet 503

## Plugs



### Male Thread, BSPT

1710	Thread	Hex Size mm	Length mm
17SFAK10SXN	1/8"	11	37
17SFAK13SXN	1/4"	14	42
17SFAK17SXN	3/8"	17	42
17SFAK21SXN	1/2"	21	43

Tech Sheet 503



### Female Thread, BSPP

1710	Thread	Hex Size mm	Length mm
17SFIW10SXN	1/8"	14	33
17SFIW13SXN	1/4"	17	36
17SFIW17SXN	3/8"	19	39
17SFIW21SXN	1/2"	24	41

Tech Sheet 503



### Hose Tail

1710	To Suit Hose ID	Length mm
17SFTF06SXN	6mm (1/4")	58
17SFTF08SXN	8mm (5/16")	52
17SFTF10SXN	10mm (3/8")	52
17SFTF13SXN	13mm (1/2")	52

Tech Sheet 503

Other materials, seals and finishes available on request, please contact our technical department for further details.

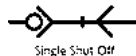
# SERIES 19KA



1

**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 psi)



**Interchangeability:**  
Standard PCL series.

**Material:**  
Steel nickel plated, Buna seal (standard series coupling).  
**Application:**  
General purpose pneumatic coupling, original PCL.



Actual Size

Couplings



## Couplings



### Male Thread, BSPT

1910	Thread	Hex Size mm	Length mm
19KAAK13MPX	1/4"	19	63
19KAAK17MPX	3/8"	19	63
19KAAK21MPX	1/2"	22	68

Tech Sheet 505



### Female Thread, BSPP

1910	Thread	Hex Size mm	Length mm
19KAIW13MPX	1/4"	19	58
19KAIW17MPX	3/8"	19	58
19KAIW21MPX	1/2"	24	60

Tech Sheet 505



### Hose Tail

1910	To Suit Hose ID	Hex Size mm	Length mm
19KATF06MPX	6mm (1/4")	19	76
19KATF08MPX	8mm (5/16")	19	76
19KATF10MPX	10mm (3/8")	19	76
19KATF13MPX	13mm (1/2")	19	76

Tech Sheet 505

## Plugs



### Male Thread, BSPT

1910	Thread	Hex Size mm	Length mm
19SFAK13SXN	1/4"	14	50
19SFAK17SXN	3/8"	17	50
19SFAK21SXN	1/2"	21	57

Tech Sheet 505



### Female Thread, BSPP

1910	Thread	Hex Size mm	Length mm
19SFIW13SXN	1/4"	17	46
19SFIW17SXN	3/8"	17	47
19SFIW21SXN	1/2"	19	47

Tech Sheet 505



### Hose Tail

1910	To Suit Hose ID	Length mm
19SFTF05SXN	5mm	60
19SFTF06SXN	6mm (1/4")	60
19SFTF08SXN	8mm (5/16")	60
19SFTF10SXN	10mm (3/8")	60
19SFTF13SXN	13mm (1/2")	60

Tech Sheet 505

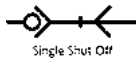
Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 20KA



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 psi)



Actual Size

**Interchangeability:**  
Rectus 91, Walther 06-003

**Flow Rate:**  
165 L/min

**Material:**  
Brass nickel plated, Buna seal (standard series coupling).

**Application:**  
General purpose pneumatic coupling, medical, dental, robotics, instrumentation.

## Couplings

### Male Thread, Metric & BSPP



2010	Thread	Hex Size mm	Length mm
20KAAM05MPN	M5	9	26
20KAAW10MPN	1/8"	11	28
Tech Sheet 506			

### Female Thread, Metric & BSPP



2010	Thread	Hex Size mm	Length mm
20KAIM05MPN	M5	9	26
20KAIW10MPN	1/8"	12	28
Tech Sheet 506			

### Hose Tail



2010	To Suit Hose ID mm	Length mm
20KATF03MPN	3	35
20KATF04MPN	4	35
20KATF05MPN	5	35
Tech Sheet 506		

### Quick Fit Tube Connection



2010	To Suit Tube mm	Hex Size mm	Length mm
20KAKO04MPN	3 x 4	9	34
20KAKO06MPN	4 x 6	9	34
Tech Sheet 506			

### Panel Mount, Quick Fit Tube Connection



2010	To Suit Tube mm	Hex Size mm	Length mm
20KAKS04MPN	3 x 4	12	45
20KAKS06MPN	4 x 6	12	45
Tech Sheet 506			

### Panel Mount, Standard Hose Tail



2010	To Suit Hose ID mm	Hex Size mm	Length mm
20SFTS03MXN	3	12	45
Tech Sheet 506			

## Plugs

### Male Thread, Metric & BSPP



2010	Thread	Hex Size mm	Length mm
20SFAM05MXN	M5	7	18
20SFAW10MXN	1/8"	11	20
Tech Sheet 506			

### Female Thread, Metric & BSPP



2010	Thread	Hex Size mm	Length mm
20SFIM05MXN	M5	7	17
20SFIW10MXN	1/8"	12	19
Tech Sheet 506			

### Hose Tail



2010	To Suit Hose ID mm	Length mm
20SFTF03MXN	3	24
20SFTF04MXN	4	24
20SFTF05MXN	5	24
Tech Sheet 506		

### Quick Fit Tube Connection



2010	To Suit Tube mm	Hex Size mm	Length mm
20SFKO04MXN	3 x 4	7	25
20SFKO05MXN	3 x 5	7	25
Tech Sheet 506			

### Panel Mount, Quick Fit Tube Connection



2010	To Suit Tube mm	Hex Size mm	Length mm
20SFKS06MXN	3 x 6	12	38
Tech Sheet 506			

### Panel Mount, Standard Hose Tail



2010	To Suit Hose ID mm	Hex Size mm	Length mm
20KATS03MPN	3	12	51
20KATS04MPN	4	12	51
Tech Sheet 506			

Other materials, seals and finishes available on request, please contact our technical department for further details.



# SERIES 20KB



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 psi)



**Material:**  
Brass, Buna seal  
(standard series coupling).

**Application:**  
General purpose pneumatic coupling, medical,  
dental, robotics, instrumentation.



Actual Size

## Couplings



### Male Thread, Metric & BSPP

2010	Thread	Hex Size mm	Length mm
20KBAM05MPX	M5	9	26
20KBAW10MPX	1/8"	11	28

Tech Sheet 507



### Female Thread, Metric & BSPP

2010	Thread	Hex Size mm	Length mm
20KBIM05MPX	M5	9	26
20KBIW10MPX	1/8"	12	28

Tech Sheet 507



### Quick Fit Tube Connection

2010	Thread	Hex Size mm	Length mm
20KBK004MPX	3 x 4	9	34
20KBK005MPX	3 x 5	9	34
20KBK006MPX	4 x 6	9	34

Tech Sheet 507



### Hose Tail

2010	To Suit Hose ID mm	Hex Size mm	Length mm
20KBTf03MPX	3	11	35
20KBTf04MPX	4	11	35

Tech Sheet 507

## Plugs



### Male Thread, Metric & BSPP

2010	Thread	Hex Size mm	Length mm
20SBAM05MPX	M5	9	28
20SBAW10MPX	1/8"	11	30

Tech Sheet 507



### Female Thread, Metric & BSPP

2010	Thread	Hex Size mm	Length mm
20SBIM05MPX	M5	9	26
20SBIW10MPX	1/8"	12	30

Tech Sheet 507



### Quick Fit Tube Connection

2010	To Suit Tube mm	Hex Size mm	Length mm
20SBK004MPX	3 x 4	9	30.5
20SBK006MPX	4 x 6	9	30.5

Tech Sheet 507



### Hose Tail

2010	To Suit Hose ID mm	Hex Size mm	Length mm
20SBTF03MPX	3	8	36
20SBTF04MPX	4	8	36

Tech Sheet 507

Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 21KA



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 psi)



**Interchangeability:**  
Rectus 90, Camozzi, EWO.

**Material:**  
Brass nickel plated, Buna seal (standard series coupling).

**Application:**  
General purpose pneumatic coupling, medical, dental, robotics, instrumentation.



Actual Size

## Couplings



### Male Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21KAAW10MPN	1/8"	14	36
21KAAW13MPN	1/4"	17	38
21KAAW17MPN	3/8"	19	38

Tech Sheet 508



### Female Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21KAIW10MPN	1/8"	14	36
21KAIW13MPN	1/4"	17	38
21KAIW17MPN	3/8"	19	38

Tech Sheet 508



### Hose Tail

2110	To Suit Hose ID	Hex Size mm	Length mm
21KATF04MPN	4mm	14	46
21KATF06MPN	6mm (1/4")	14	46
21KATF08MPN	8mm (5/16")	14	46
21KATF09MPN	9mm	14	46
21KATF10MPN	10mm (3/8")	14	46

Tech Sheet 508



### Panel Mount, Standard Hose Tail

2110	To Suit Hose ID	Hex Size mm	Length mm
21KATS04MPN	4mm	14	60
21KATS06MPN	6mm (1/4")	17	60
21KATS08MPN	8mm (5/16")	17	60

Tech Sheet 508



### Quick Fit Tube Connection

2110	To Suit Tube mm	Hex Size mm	Length mm
21KAKO06MPN	4 x 6	14	42
21KAKO08MPN	6 x 8	14	42

Tech Sheet 508



### Panel Mount, Male Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21KAAS10MPN	1/8"	14	43
21KAAS13MPN	1/4"	17	43

Tech Sheet 508



### Panel Mount, Quick Fit Tube Connection

2110	To Suit Tube mm	Hex Size mm	Length mm
21KAKS06MPN	4 x 6	14	54
21KAKS08MPN	6 x 8	17	54

Tech Sheet 508



### Quick Fit Tube Connection with Spring Guard

2110	To Suit Tube mm	Hex Size mm	Length mm
21KAKK06MPN	4 x 6	14	125
21KAKK08MPN	6 x 8	14	130

Tech Sheet 508

Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 21KA



1

° Working Temperature:  
-20°C to +100°C  
Standard seal NBR

Maximum Static Working Pressure:  
PB 35 bar (500 psi)



## Plugs



### Male Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21SAW10MXN	1/8"	14	25
21SAW13MXN	1/4"	17	28
21SAW17MXN	3/8"	17	28

Tech Sheet 508



### Female Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21SFIW10MXN	1/8"	14	25
21SFIW13MXN	1/4"	17	25
21SFIW17MXN	3/8"	19	26

Tech Sheet 508



### Hose Tail

2110	To Suit Hose ID	Length mm
21SFTF04MXN	4mm	32
21SFTF05MXN	5mm	32
21SFTF06MXN	6mm (1/4")	32
21SFTF08MXN	8mm (5/16")	32
21SFTF09MXN	9mm	33
21SFTF10MXN	10mm (3/8")	33

Tech Sheet 508



### Panel Mount, Standard Hose Tail

2110	To Suit Hose ID	Hex Size mm	Length mm
21SFTS04MXN	4mm	14	50
21SFTS05MXN	5mm	14	50
21SFTS06MXN	6mm (1/4")	14	50
21SFTS09MXN	9mm	14	50

Tech Sheet 508



### Quick Fit Tube Connection

2110	To Suit Tube mm	Length mm
21SFK006MXN	4 x 6	32
21SFK008MXN	6 x 8	32

Tech Sheet 508



### Panel Mount, Quick Fit Tube Connection

2110	To Suit Tube mm	Hex Size mm	Length mm
21SFKS06MXN	4 x 6	14	44
21SFKS08MXN	6 x 8	17	44

Tech Sheet 508



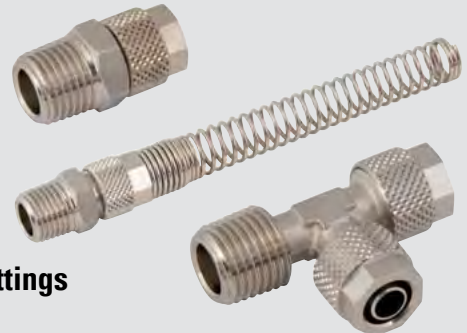
### Quick Fit Tube Connection with Spring Guard

2110	To Suit Tube mm	Hex Size mm	Length mm
21SFKK06MXN	4 x 6	12	115
21SFKK08MXN	6 x 8	14	120

Tech Sheet 508



You might also need  
**Brass Quick-Fit Push-on Fittings**  
see **Section 6**



Couplings

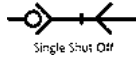


# SERIES 21KA PUSH-IN



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 psi)



**Flow Rate:**  
6mm 450 L/min @ 1 bar  
8mm 700 L/min @ 1 bar

**Material:**  
Brass nickel plated, Buna seal (standard series coupling).

**Application:**  
Usable for air, oil and water. Ideally suited where tubing is often changed.



Actual Size

## Couplings



### Push-in

2010	OD mm	Hex Size mm	Length mm
21KARP06MPN	6	14	43.5
21KARP08MPN	8	17	48

Tech Sheet 508

## Plugs



### Push-in

2010	OD mm	Hex Size mm	Length mm
21SFRP06MPN	6	17	30.5
21SFRP08MPN	8	17	37

Tech Sheet 508



You might also need  
**Kelm™ Pneumatic Tube**  
see **Section 7**



# SERIES 21KB



1

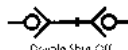


Couplings



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



Actual Size

**Flow Rate:**  
560 L/min

**Material:**  
Brass, Buna seal (standard series coupling).  
**Application:**  
General purpose pneumatic coupling, medical, dental, robotics, instrumentation.

## Couplings



### Male Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21KBAW10MPX	1/8"	14	36
21KBAW13MPX	1/4"	17	38

Tech Sheet 509



### Female Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21KBIW10MPX	1/8"	14	36
21KBIW13MPX	1/4"	17	38

Tech Sheet 509



### Quick Fit Tube Connection

2110	To Suit Tube mm	Hex Size mm	Length mm
21KBK006MPX	6 x 4	14	42
21KBK008MPX	8 x 6	14	42

Tech Sheet 509



### Hose Tail

2110	To Suit Hose ID	Hex Size mm	Length mm
21KBTf04MPX	4mm (1/8")	14	46
21KBTf06MPX	6mm (1/4")	14	46
21KBTf08MPX	8mm (5/16")	14	46

Tech Sheet 509

## Plugs



### Male Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21SBAW10MPX	1/8"	14	40
21SBAW13MPX	1/4"	17	42

Tech Sheet 509



### Female Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21SBIW10MPX	1/8"	14	40
21SBIW13MPX	1/4"	17	42

Tech Sheet 509



### Hose Tail

2110	To Suit Hose ID	Hex Size mm	Length mm
21SBTF06MPX	6mm (1/4")	14	50
21SBTF08MPX	8mm (5/16")	14	50

Tech Sheet 509



### Quick Fit Tube Connection

2110	To Suit Tube mm	Hex Size mm	Length mm
21SBK006MPX	6 x 4	14	46
21SBK008MPX	8 x 6	14	46

Tech Sheet 509

Other materials, seals and finishes available on request, please contact our technical department for further details.

# 1 SERIES 21KS SAFETY LOCK



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



Actual Size

**Interchangeability:**  
Rectus design

**Material:**  
Brass nickel plated, Buna seal (standard series coupling).  
**Application:**  
Air breathing systems, medical, laboratories, diving suits etc.

Couplings

## Couplings



### Male Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21KSAW10MPN	1/8"	14	36
21KSAW13MPN	1/4"	17	38

Tech Sheet 10279



### Female Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21KSIW10MPN	1/8"	14	36
21KSIW13MPN	1/4"	17	38

Tech Sheet 10279



### Hose Tail

2110	To Suit Hose ID	Hex Size mm	Length mm
21KSTF06MPN	6mm (1/4")	14	46
21KSTF08MPN	8mm (5/16")	14	46
21KSTF10MPN	10mm (3/8")	14	46

Tech Sheet 10279

## Plugs



### Male Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21SSAW10MXN	1/8"	14	25
21SSAW13MXN	1/4"	17	28

Tech Sheet 10279



### Female Thread, BSPP

2110	Thread	Hex Size mm	Length mm
21SSIW10MXN	1/8"	14	25
21SSIW13MXN	1/4"	17	26

Tech Sheet 10279



### Hose Tail

2110	To Suit Hose ID	Length mm
21SSTF06MXN	6mm (1/4")	32
21SSTF08MXN	8mm (5/16")	32
21SSTF10MXN	10mm (3/8")	33

Tech Sheet 10279

Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 21 THERMOPLASTIC



**Working Temperature:**  
 Rectupom -20°C to +80°C  
 Rectuchem -20°C to +120°C

**Working Pressure:**  
 Rectupom 10 bar @ 20°C  
 Rectuchem 8 bar @ 20°C



**Interchangeability:**  
 Rectus design

**Material:**  
 Rectupom – Delrin-Acetal  
 Rectuchem – PVDF

**Application:**  
 Suitable for liquids, gases, drinking water, laboratories,  
 medical technology and food areas.



Actual Size



## Couplings



### Male Thread, BSPP, RectuPom

2110	Thread	Hex Size mm	Length mm
21KBAW10DPX	1/8"	17	50
21KBAW13DPX	1/4"	17	52

Tech Sheet 10280



### Female Thread, BSPP, RectuPom

2110	Thread	Hex Size mm	Length mm
21KBIW10DPX	1/8"	17	53
21KBIW13DPX	1/4"	17	53

Tech Sheet 10280



### Hose Tail, RectuPom

2110	To Suit Hose ID mm	Hex Size mm	Length mm
21KBF04DPX	4	17	60
21KBF06DPX	6	17	60

Tech Sheet 10280



### Quick Fit Tube Connection, RectuPom

2110	To Suit Tube mm	Hex Size mm	Length mm
21KBK006DPX	4 x 6	17	56

Tech Sheet 10280



### Female Thread, BSPP, RectuChem

2110	Thread	Hex Size mm	Length mm
21KBIW10FVX	1/8"	17	53
21KBIW13FVX	1/4"	17	53

Tech Sheet 10280



### Quick Fit Tube Connection, RectuChem

2110	To Suit Tube mm	Hex Size mm	Length mm
21KBK006FVX	4 x 6	17	56

Tech Sheet 10280



### Panel Mount, Quick Fit Tube Connection, RectuPom

2110	To Suit Tube mm	Hex Size mm	Length mm
21KBKS06DPX	4 x 6	17	68
21KBKS08DPX	6 x 8	17	68

Tech Sheet 10280

Other materials, seals and finishes available on request, please contact our technical department for further details.



## Plugs (without Valve)

Couplings



### Male Thread, BSPP, RectuPom

2110	Thread	Hex Size mm	Length mm
21SFAW10DXX	1/8"	14	25
21SFAW13DXX	1/4"	17	28
Tech Sheet 10280			



### Quick Fit Tube Connection, RectuChem

2110	To Suit Tube mm	Hex Size mm	Length mm
21SFK008FXX	6 x 8	17	32
Tech Sheet 10280			



### Hose Tail, RectuPom

2110	To Suit Hose ID mm	Length mm
21SFTF06DXX	6	32
Tech Sheet 10280		



### Male Thread, BSPP, RectuChem

2110	Thread	Hex Size mm	Length mm
21SFAW10FXX	1/8"	14	25
Tech Sheet 10280			



### Female Thread, BSPP, RectuPom

2110	Thread	Hex Size mm	Length mm
21SFIW10DXX	1/8"	14	24
21SFIW13DXX	1/4"	17	25
Tech Sheet 10280			



### Panel Mount, Standard Hose Tail, RectuChem

2110	To Suit Hose ID mm	Hex Size mm	Length mm
21SFTS04FXX	4	14	50
Tech Sheet 10280			



### Quick Fit Tube Connection, RectuPom

2110	To Suit Tube mm	Hex Size mm	Length mm
21SFK006DXX	4 x 6	14	32
Tech Sheet 10280			



### Female Thread, BSPP, RectuChem

2110	Thread	Hex Size mm	Length mm
21SFIW13FXX	1/4"	17	26
Tech Sheet 10280			



# SERIES 21 THERMOPLASTIC



1



Couplings



## Plugs (with Valve)



### Male Thread, BSPP, RectuPom

2110	Thread	Hex Size mm	Length mm
21SBAW10DPX	1/8"	17	36
21SBAW13DPX	1/4"	17	38

Tech Sheet 10280



### Female Thread, BSPP, RectuChem

2110	Thread	Hex Size mm	Length mm
21SBIW10FVX	1/8"	17	39

Tech Sheet 10280

## Sleeve Mounting for Front Panel Installation



### Panel Mount, Quick Fit Tube Connection, RectuPom

2110	To Suit Tube mm	Hex Size mm	Length mm
21KBKE06DPX	4 x 6	17	56

Tech Sheet 10280



### Quick Fit Tube Connection, RectuPom

2110	To Suit Tube mm	Hex Size mm	Length mm
21SBK006DPX	4 x 6	17	42

Tech Sheet 10280



### Panel Mount, Quick Fit Tube Connection, RectuPom

2110	To Suit Tube mm	Hex Size mm	Length mm
21SBKS06DPX	4 x 6	17	54

Tech Sheet 10280



### Panel Mount, Quick Fit Tube Connection, RectuChem

2110	To Suit Tube mm	Hex Size mm	Length mm
21KBKE06FVX	4 x 6	17	56

Tech Sheet 10280



### Quick Fit Tube Connection, RectuChem

2110	To Suit Tube mm	Hex Size mm	Length mm
21SBK008FVX	6 x 8	17	42

Tech Sheet 10280



### Hose Tail, RectuPom

2110	To Suit Hose ID mm	Hex Size mm	Length mm
21SBTF04DPX	4	17	46
21SBTF06DPX	6	17	46

Tech Sheet 10280



### Panel Mount, Standard Hose Tail, RectuPom

2110	To Suit Hose ID mm	Hex Size mm	Length mm
21KBTE04DPX	4	17	60

Tech Sheet 10280



### Female Thread, BSPP, RectuPom

2110	Thread	Hex Size mm	Length mm
21SBIW10DPX	1/8"	17	39
21SBIW13DPX	1/4"	17	41

Tech Sheet 10280



### Panel Mount, Standard Hose Tail, RectuPom

2110	To Suit Hose ID mm	Hex Size mm	Length mm
21SBTS04DPX	4	17	60

Tech Sheet 10280



### Panel Mount, Standard Hose Tail, RectuChem

2110	To Suit Hose ID mm	Hex Size mm	Length mm
21KBTE04FVX	4	17	60

Tech Sheet 10280

Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 23KA



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



**Interchangeability:**  
Norgren Dynaquip DC3,  
Hanson 3000, Parker,  
US C4109 1/4", Cejn 310,  
ISO 6150

**Flow Rate:**  
900 L/min

**Material:**  
Brass nickel plated, Buna seal (standard series coupling).

**Application:**  
General purpose pneumatic coupling



Actual Size

## Couplings



### Male Thread, BSPT

2310	Thread	Hex Size mm	Length mm
23KAAK13MPN	1/4"	19	60
23KAAK17MPN	3/8"	19	60
23KAAK21MPN	1/2"	22	61

Tech Sheet 511



### Female Thread, BSPP

2310	Thread	Hex Size mm	Length mm
23KAIW13MPN	1/4"	19	56
23KAIW17MPN	3/8"	19	55
23KAIW21MPN	1/2"	24	58

Tech Sheet 511



### Hose Tail

2310	To Suit Hose ID	Hex Size mm	Length mm
23KATF06MPN	6mm (1/4")	19	74
23KATF08MPN	8mm (5/16")	19	74
23KATF09MPN	9mm	19	74
23KATF10MPN	10mm (3/8")	19	74
23KATF13MPN	13mm (1/2")	19	74

Tech Sheet 511

## Plugs



### Male Thread, BSPT

2310	Thread	Hex Size mm	Length mm
23SFAK10SXN	1/8"	13	39
23SFAK13SXN	1/4"	14	42
23SFAK17SXN	3/8"	17	42
23SFAK21SXN	1/2"	22	48

Tech Sheet 511



### Female Thread, BSPP

2310	Thread	Hex Size mm	Length mm
23SFIW10SXN	1/8"	14	36
23SFIW13SXN	1/4"	17	36
23SFIW17SXN	3/8"	19	36
23SFIW21SXN	1/2"	24	39

Tech Sheet 511



### Hose Tail

2310	To Suit Hose ID	Length mm
23SFTF06SXN	6mm (1/4")	51
23SFTF08SXN	8mm (5/16")	51
23SFTF09SXN	9mm	51
23SFTF10SXN	10mm (3/8")	51
23SFTF13SXN	13mm (1/2")	51

Tech Sheet 511

Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 24KA



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



**Interchangeability:**  
Series 23, Cejn 310,  
Norgren DC3, Hanson 3000.

**Material:**  
Brass  
**Application:**  
General purpose pneumatic coupling



Actual Size

## Couplings



### Male Thread, BSPP

0194	Thread	Hex Size mm	Length mm
24KAAW13MPX	1/4"	22	43
24KAAW17MPX	3/8"	22	43
24KAAW21MPX	1/2"	22	46

Tech Sheet 513



### Female Thread, BSPP

0194	Thread	Hex Size mm	Length mm
24KAIW13MPX	1/4"	22	43
24KAIW17MPX	3/8"	22	43
24KAIW21MPX	1/2"	22	46

Tech Sheet 513



### Hose Tail

0194	To Suit Hose ID	Hex Size mm	Length mm
24KATF06MPX	6mm (1/4")	21	60
24KATF08MPX	8mm (5/16")	21	60
24KATF10MPX	10mm (3/8")	21	60
24KATF13MPX	13mm (1/2")	21	60

Tech Sheet 513

## Plugs



### Male Thread, BSPT

2310	Thread	Hex Size mm	Length mm
23SFAK10SXN	1/8"	13	39
23SFAK13SXN	1/4"	14	42
23SFAK17SXN	3/8"	17	42
23SFAK21SXN	1/2"	22	48

Tech Sheet 513



### Female Thread, BSPT

2310	Thread	Hex Size mm	Length mm
23SFIW10SXN	1/8"	14	36
23SFIW13SXN	1/4"	17	36
23SFIW17SXN	3/8"	19	36
23SFIW21SXN	1/2"	24	39

Tech Sheet 513



### Hose Tail

2310	To Suit Hose ID	Length mm
23SFTF06SXN	6mm (1/4")	51
23SFTF08SXN	8mm (5/16")	51
23SFTF09SXN	9mm	51
23SFTF10SXN	10mm (3/8")	51
23SFTF13SXN	13mm (1/2")	51

Tech Sheet 513

# 1 SERIES 25KA & ACCESSORIES



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



**Interchangeability:**  
Rectus 26, 1600, 1625,  
Cejn 320, JWL 520, 530.

**Flow Rate:**  
1800 L/min

**Material:**  
Brass nickel plated

**Application:**  
General purpose pneumatic coupling  
Euro standard design.



Actual Size

Couplings

## Couplings



### Male Thread, BSPT

2510	Thread	Hex Size mm	Length mm
25KAAK13MPN	1/4"	19	60
25KAAK17MPN	3/8"	19	60
25KAAK21MPN	1/2"	22	61
Tech Sheet 514			



### Female Thread, BSPP

2510	Thread	Hex Size mm	Length mm
25KAIW13MPN	1/4"	19	56
25KAIW17MPN	3/8"	19	55
25KAIW21MPN	1/2"	24	58
Tech Sheet 514			



### Hose Tail

2510	To Suit Hose ID	Hex Size mm	Length mm
25KATF06MPN	6mm (1/4")	19	74
25KATF08MPN	8mm (5/16")	19	74
25KATF09MPN	9mm	19	74
25KATF10MPN	10mm (3/8")	19	74
25KATF13MPN	13mm (1/2")	19	74
Tech Sheet 514			



### Quick Fit Tube Connection

2510	To Suit Tube mm	Hex Size mm	Length mm
25KAK008MPN	6 x 8	19	60
Tech Sheet 514			



### Panel Mount, Standard Hose Tail

2510	To Suit Hose ID	Hex Size mm	Length mm
25KATS06MPN	6mm (1/4")	19	76
25KATS08MPN	8mm (5/16")	19	80
25KATS10MPN	10mm (3/8")	19	87
Tech Sheet 514			



### Quick Fit Tube Connection with Spring Guard

2510	To Suit Tube mm	Hex Size mm	Length mm
25KAKK08MPN	6 x 8	19	144
25KAKK10MPN	8 x 10	19	155
Tech Sheet 514			

Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 25KA & ACCESSORIES



**Working Temperature:**  
-20°C to +60°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)

**Interchangeability:**  
Rectus design

**Material:**  
Brass nickel plated  
**Application:**  
General purpose pneumatic coupling



## Plugs



### Male Thread, BSPT, Steel Nickel Plated

2510	Thread	Hex Size mm	Length mm
25SFAK10SXN	1/8"	13	33
25SFAK13SXN	1/4"	14	37
25SFAK17SXN	3/8"	17	37
25SFAK21SXN	1/2"	22	43
Tech Sheet 514			



### Female Thread, BSPP, Steel Nickel Plated

2510	Thread	Hex Size mm	Length mm
25SFIW10SXN	1/8"	14	30
25SFIW13SXN	1/4"	17	38.5
25SFIW17SXN	3/8"	19	39.5
25SFIW21SXN	1/2"	24	44
Tech Sheet 514			



### Hose Tail, Steel Nickel Plated

2510	To Suit Hose ID	Length mm
25SFTF06SXN	6mm (1/4")	48
25SFTF08SXN	8mm (5/16")	48
25SFTF09SXN	9mm	48
25SFTF10SXN	10mm (3/8")	48
25SFTF13SXN	13mm (1/2")	48
Tech Sheet 514		

## Free Angle Rotating Joint



### Male Thread, BSPT, Steel Nickel Plated

2510	Thread
25FAAK13SPN	1/4"





# SERIES 25KB



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



**Interchangeability:**  
Rectus design

**Material:**  
Brass, Buna seal (standard series coupling).

**Application:**  
General purpose pneumatic coupling, double shut off,  
Rectus Ultra-Flo valve.



**Actual Size**

## Couplings



### Male Thread, BSPT

2510	Thread	Hex Size mm	Length mm
25KBAK13BPX	1/4"	19	60
25KBAK17BPX	3/8"	19	59
25KBAK21BPX	1/2"	22	57.5
Tech Sheet 515			



### Female Thread, BSPP

2510	Thread	Hex Size mm	Length mm
25KBIW13BPX	1/4"	19	56
25KBIW17BPX	3/8"	19	55
25KBIW21BPX	1/2"	24	58
Tech Sheet 515			



### Hose Tail

2510	To Suit Hose ID	Hex Size mm	Length mm
25KBTf06BPX	6mm (1/4")	19	74
25KBTf08BPX	8mm (5/16")	19	74
25KBTf10BPX	10mm (3/8")	19	74
25KBTf13BPX	13mm (1/2")	19	74
Tech Sheet 515			

## Plugs



### Male Thread, BSPP

2510	Thread	Hex Size mm	Length mm
25SBAW13MPX	1/4"	22	43
25SBAW17MPX	3/8"	22	43
25SBAW21MPX	1/2"	22	46
Tech Sheet 515			



### Female Thread, BSPP

2510	Thread	Hex Size mm	Length mm
25SBIW13MPX	1/4"	22	43
25SBIW17MPX	3/8"	22	43
25SBIW21MPX	1/2"	22	46
Tech Sheet 515			



### Hose Tail

2510	To Suit Hose ID	Hex Size mm	Length mm
25SBTF06MPX	6mm (1/4")	21	60
25SBTF08MPX	8mm (5/16")	21	60
25SBTF10MPX	10mm (3/8")	21	60
25SBTF13MPX	13mm (1/2")	21	60
Tech Sheet 515			

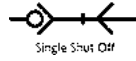
Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 26KA & ACCESSORIES



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



**Interchangeability:**  
Cejn 320, Festo KD series

**Material:**  
Brass  
**Application:**  
General purpose pneumatic coupling



Actual Size

## Couplings



### Male Thread, BSPP

2610	Thread	Hex Size mm	Length mm
26KAAW10MPX	1/8"	22	43
26KAAW13MPX	1/4"	22	39
26KAAW17MPX	3/8"	22	41
26KAAW21MPX	1/2"	22	44

Tech Sheet 520



### Female Thread, BSPP

2610	Thread	Hex Size mm	Length mm
26KAIW13MPX	1/4"	22	41
26KAIW17MPX	3/8"	22	41
26KAIW21MPX	1/2"	24	44

Tech Sheet 520

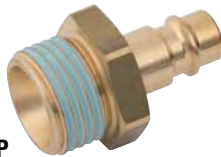


### Hose Tail

2610	To Suit Hose ID	Hex Size mm	Length mm
26KATF06MPX	6mm (1/4")	21	58
26KATF08MPX	8mm (5/16")	21	58
26KATF09MPX	9mm	21	58
26KATF10MPX	10mm (3/8")	21	58
26KATF13MPX	13mm (1/2")	21	58

Tech Sheet 520

## Plugs



### Male Thread, BSPP

2610	Thread	Hex Size mm	Length mm
25SFAW10MXX	1/8"	14	31
25SFAW13MXX	1/4"	17	33
25SFAW17MXX	3/8"	19	33
25SFAW21MXX	1/2"	24	38

Tech Sheet 520



### Female Thread, BSPP

2610	Thread	Hex Size mm	Length mm
25SFIW10MXX	1/8"	14	30
25SFIW13MXX	1/4"	17	33
25SFIW17MXX	3/8"	19	33
25SFIW21MXX	1/2"	24	35

Tech Sheet 520



### Hose Tail

2610	To Suit Hose ID	Length mm
25SFTF06MXX	6mm (1/4")	48
25SFTF08MXX	8mm (5/16")	48
25SFTF09MXX	9mm	48
25SFTF10MXX	10mm (3/8")	48
25SFTF13MXX	13mm (1/2")	48

Tech Sheet 520

## Y Connector



### 2 x Coupling Outlets, 1 x Plug Inlet

2610	Length mm
26Y	90

Tech Sheet 520

## Triple Outlet Connector



### 3 x Coupling Outlets, 1 x 3/8" BSPP Inlet

2610	Length mm
26W	96

Tech Sheet 520

All of the 26 Series plugs will connect with the series 25 couplings.

Other materials, seals and finishes available on request, please contact our technical department for further details.

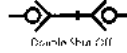


# SERIES 26KB



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



**Interchangeability:**  
Rectus design

**Material:**  
Brass

**Application:**  
General purpose pneumatic coupling



**Actual Size**

## Couplings



### Male Thread, BSPP

2610	Thread	Hex Size mm	Length mm
26KBAW13MPX	1/4"	22	39
26KBAW17MPX	3/8"	22	41
26KBAW21MPX	1/2"	24	42

Tech Sheet 520



### Female Thread, BSPP

2610	Thread	Hex Size mm	Length mm
26KBIW13MPX	1/4"	22	41
26KBIW17MPX	3/8"	22	41
26KBIW21MPX	1/2"	24	44

Tech Sheet 520



### Hose Tail

2610	To Suit Hose ID	Hex Size mm	Length mm
26KBTf06MPX	6mm (1/4")	21	58
26KBTf08MPX	8mm (5/16")	21	58
26KBTf10MPX	10mm (3/8")	21	58
26KBTf13MPX	13mm (1/2")	21	58

Tech Sheet 520

## Plugs



### Male Thread, BSPP

2510	Thread	Hex Size mm	Length mm
25SBAW13MPX	1/4"	22	43
25SBAW17MPX	3/8"	22	43
25SBAW21MPX	1/2"	22	46

Tech Sheet 520



### Female Thread, BSPP

2510	Thread	Hex Size mm	Length mm
25SBIW13MPX	1/4"	22	43
25SBIW17MPX	3/8"	22	43
25SBIW21MPX	1/2"	22	46

Tech Sheet 520



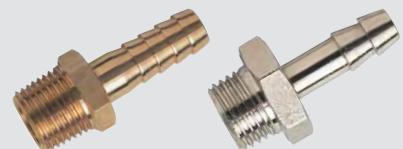
### Hose Tail

2510	To Suit Hose ID	Hex Size mm	Length mm
25SBTF06MPX	6mm (1/4")	21	60
25SBTF08MPX	8mm (5/16")	21	60
25SBTF10MPX	10mm (3/8")	21	60
25SBTF13MPX	13mm (1/2")	21	60

Tech Sheet 520



For **Brass & Nickel Plated Brass** Hose Tails  
see **Section 2**

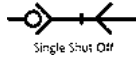


# SERIES 26KE SELF VENTING



**Working Temperature:**  
-20°C to +60°C  
Standard seal nitrile

**Maximum Static Working Pressure:**  
PB 12 bar (174 PSI)



**Interchangeability:**  
Rectus design



EN 983  
ISO 4414  
ISO 6150

**Material:**  
Brass nickel plated, nitrile seal  
**Application:**  
General purpose pneumatic coupling self-venting safety feature.



Actual Size

## Couplings



### Male Thread, BSPP

2610	Thread	Hex Size mm	Length mm
26KEAW13MPN	1/4"	22	55
26KEAW17MPN	3/8"	22	55
26KEAW21MPN	1/2"	24	58

Tech Sheet 10281



### Female Thread, BSPP

2610	Thread	Hex Size mm	Length mm
26KEIW13MPN	1/4"	22	57
26KEIW17MPN	3/8"	22	57
26KEIW21MPN	1/2"	24	60

Tech Sheet 10281



### Hose Tail

2610	To Suit Hose ID	Hex Size mm	Length mm
26KETF06MPN	6mm (1/4")	22	71
26KETF08MPN	8mm (5/16")	22	71
26KETF09MPN	9mm	22	71
26KETF10MPN	10mm (3/8")	22	71
26KETF13MPN	13mm (1/2")	22	71

Tech Sheet 10281

## Plugs



### Male Thread, BSPT, Steel Nickel Plated

2510	Thread	Hex Size mm	Length mm
25SFAK10SXN	1/8"	13	33
25SFAK13SXN	1/4"	14	37
25SFAK17SXN	3/8"	17	37
25SFAK21SXN	1/2"	22	43

Tech Sheet 514



### Female Thread, BSPP, Steel Nickel Plated

2510	Thread	Hex Size mm	Length mm
25SFIW10SXN	1/8"	14	30
25SFIW13SXN	1/4"	17	38.5
25SFIW17SXN	3/8"	19	39.5
25SFIW21SXN	1/2"	24	44

Tech Sheet 514



### Hose Tail, Steel Nickel Plated

2510	To Suit Hose ID	Length mm
25SFTF06SXN	6mm (1/4")	48
25SFTF08SXN	8mm (5/16")	48
25SFTF09SXN	9mm	48
25SFTF10SXN	10mm (3/8")	48
25SFTF13SXN	13mm (1/2")	48

Tech Sheet 514

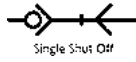
Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 27KA



**Working Temperature:**  
**Couplings:**  
 -20°C to +100°C  
 Standard seal NBR  
**Plugs:**  
 -20°C to +60°C

**Maximum Static Working Pressure:**  
 PB 35 bar (500 PSI)



**Interchangeability:**  
 Cejn 410, Rectus 41, 100, 1727.

**Material:**  
 Brass, nickel plated, Buna seal (standard series) coupling.

**Application:**  
 General purpose high-flo pneumatic  
 Coupling self venting safety feature  
 Machinery construction, trade and automotive.



Actual Size

## Couplings



### Male Thread, BSPT

2710	Thread	Hex Size mm	Length mm
27KAAK13MPN	1/4"	24	63
27KAAK17MPN	3/8"	24	63
27KAAK21MPN	1/2"	24	65
27KAAK26MPN	3/4"	27	65

Tech Sheet 521



### Female Thread, BSPP

2710	Thread	Hex Size mm	Length mm
27KAIW13MPN	1/4"	24	56
27KAIW17MPN	3/8"	24	56
27KAIW21MPN	1/2"	24	56
27KAIW26MPN	3/4"	27	60

Tech Sheet 521



### Hose Tail

2710	To Suit Hose ID	Hex Size mm	Length mm
27KATF06MPN	6mm (1/4")	24	76
27KATF09MPN	9mm	24	76
27KATF10MPN	10mm (3/8")	24	76
27KATF13MPN	13mm (1/2")	24	76
27KATF16MPN	16mm (5/8")	24	76
27KATF19MPN	19mm (3/4")	24	76

Tech Sheet 521

## Plugs



### Male Thread, BSPT

2710	Thread	Hex Size mm	Length mm
27SFAK13SXN	1/4"	17	40
27SFAK17SXN	3/8"	17	40
27SFAK21SXN	1/2"	22	45
27SFAK26SXN	3/4"	27	48

Tech Sheet 521



### Female Thread, BSPP

2710	Thread	Hex Size mm	Length mm
27SFIW13SXN	1/4"	17	33
27SFIW17SXN	3/8"	19	33
27SFIW21SXN	1/2"	24	37
27SFIW26SXN	3/4"	32	42

Tech Sheet 521



### Hose Tail

2710	To Suit Hose ID	Length mm
27SFTF06SXN	6mm (1/4")	48
27SFTF09SXN	9mm	48
27SFTF10SXN	10mm (3/8")	48
27SFTF13SXN	13mm (1/2")	48
27SFTF16SXN	16mm (5/8")	48
27SFTF19SXN	19mm (3/4")	48

Tech Sheet 521



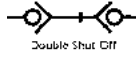
# SERIES 27KB



1

**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



**Interchangeability:**  
Rectus design

**Material:**  
Brass  
**Application:**  
General purpose high-flo pneumatic coupling



Actual Size



Couplings



## Couplings



### Male Thread, BSPT

0194	Thread	Hex Size mm	Length mm
27KBAK21BPX	1/2"	24	65

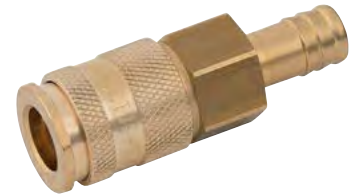
Tech Sheet 522



### Female Thread, BSPT

0194	Thread	Hex Size mm	Length mm
27KBIW17BPX	3/8"	24	56
27KBIW21BPX	1/2"	24	56
27KBIW26BPX	3/4"	32	60

Tech Sheet 522



### Hose Tail

0194	To Suit Hose ID mm	Hex Size mm	Length mm
27KBTF10BPX	10mm (3/8")	24	76
27KBTF13BPX	13mm (1/2")	24	76
27KBTF19BPX	19mm (3/4")	24	76

Tech Sheet 522

## Plugs



### Male Thread, BSPT

0194	Thread	Hex Size mm	Length mm
27SBAK21MPX	1/2"	24	62.5
27SBAK26MPX	3/4"	27	62.5

Tech Sheet 522



### Female Thread, BSPT

0194	Thread	Hex Size mm	Length mm
27SBIW21MPX	1/2"	24	54.5

Tech Sheet 522



### Hose Tail

0194	To Suit Hose ID mm	Hex Size mm	Length mm
27SBTF13MPX	13mm (1/2")	24	74

Tech Sheet 522

Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 33KA



**Working Temperature:**  
-20°C to +100°C  
Standard seal nitrile

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



**Interchangeability:**  
Atlas QIC 10

**Material:**  
Steel nickel plated , nitrile seal  
**Application:**  
General purpose high-flo pneumatic coupling



Actual Size

## Couplings



### Male Thread, BSPT

3310	Thread	Hex Size mm	Length mm
33KAAK13SPN	1/4"	19	60
33KAAK17SPN	3/8"	19	59
33KAAK21SPN	1/2"	22	60
Tech Sheet 523			



### Female Thread, BSPP

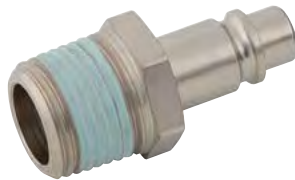
3310	Thread	Hex Size mm	Length mm
33KAIW13SPN	1/4"	19	55
33KAIW17SPN	3/8"	19	54
33KAIW21SPN	1/2"	24	57
Tech Sheet 523			



### Hose Tail

3310	To Suit Hose ID	Hex Size mm	Length mm
33KATF06SPN	6mm (1/4")	19	73
33KATF08SPN	8mm (5/16")	19	73
33KATF13SPN	13mm (1/2")	19	73
Tech Sheet 523			

## Plugs



### Male Thread, BSPT

3310	Thread	Hex Size mm	Length mm
33SFAK10SXN	1/8"	14	40
33SFAK13SXN	1/4"	14	42
33SFAK17SXN	3/8"	17	42
33SFAK21SXN	1/2"	22	47
Tech Sheet 523			



### Female Thread, BSPP

3310	Thread	Hex Size mm	Length mm
33SFIW13SXN	1/4"	17	37
33SFIW17SXN	3/8"	17	37
33SFIW21SXN	1/2"	24	42
Tech Sheet 523			



### Hose Tail

3310	To Suit Hose ID	Length mm
33SFTF06SXN	6mm (1/4")	52
33SFTF08SXN	8mm (5/16")	52
33SFTF10SXN	10mm (3/8")	52
33SFTF13SXN	13mm (1/2")	52
Tech Sheet 523		

Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 34KA



1

**Working Temperature:**  
-20°C to +100°C  
Standard seal nitrile

**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



**Interchangeability:**  
Atlas Copco QIC 15

**Material:**  
Steel nickel plated, nitrile seal  
**Application:**  
General purpose pneumatic coupling



Actual Size

Couplings

## Couplings



### Male Thread, BSPT

3310	Thread	Hex Size mm	Length mm
34KAAK17SPN	3/8"	24	70
34KAAK21SPN	1/2"	24	72
34KAAK26SPN	3/4"	27	72

Tech Sheet 524



### Female Thread, BSPP

3310	Thread	Hex Size mm	Length mm
34KAIW13SPN	1/4"	24	64
34KAIW17SPN	3/8"	24	64
34KAIW21SPN	1/2"	24	64
34KAIW26SPN	3/4"	32	68

Tech Sheet 524



### Hose Tail

3310	To Suit Hose ID	Hex Size mm	Length mm
34KATF10SPN	10mm (3/8")	24	84
34KATF13SPN	13mm (1/2")	24	84
34KATF16SPN	16mm (5/8")	24	84

Tech Sheet 524

## Plugs



### Male Thread, BSPT

3310	Thread	Hex Size mm	Length mm
34SFAK13SXN	1/4"	17	46
34SFAK17SXN	3/8"	19	46
34SFAK21SXN	1/2"	22	52

Tech Sheet 524



### Female Thread, BSPP

3310	Thread	Hex Size mm	Length mm
34SFIW17SXN	3/8"	19	40
34SFIW21SXN	1/2"	24	44

Tech Sheet 524



### Hose Tail

3310	To Suit Hose ID	Length mm
34SFTF06SXN	6mm (1/4")	55
34SFTF10SXN	10mm (3/8")	55
34SFTF13SXN	13mm (1/2")	55
34SFTF16SXN	16mm (5/8")	55

Tech Sheet 524

Other materials, seals and finishes available on request, please contact our technical department for further details.

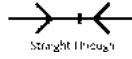
# SERIES 41KF WATER COUPLINGS



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR



**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



**Interchangeability:**  
Rectus27 Cejn 4170

**Material:**  
Steel nickel plated

**Application:**  
Straight through coupling designed for water.



Actual Size

## Couplings



### Male Thread, BSPP

4110	Thread	Length mm
41KFAW21MPN	1/2"	31
41KFAW26MPN	3/4"	32

Tech Sheet 525



### Female Thread, BSPP & Metric

4110	Thread	Hex Size mm	Length mm
41KFIW21MPN	1/2"	24	32
41KFIW26MPN	3/4"	30	32
41KFIM22MPN	M22	24	32

Tech Sheet 525



### Hose Tail

4110	To Suit Hose ID	Length mm
41KFTF10MPN	10mm (3/8")	48
41KFTF13MPN	13mm (1/2")	48
41KFTF16MPN	16mm (5/8")	48
41KFTF19MPN	19mm (3/4")	48

Tech Sheet 525

## Plugs



### Male Thread, BSPP

4110	Thread	Hex Size mm	Length mm
41SFAW21MXN	1/2"	24	40
41SFAW26MXN	3/4"	32	45

Tech Sheet 525



### Female Thread, BSPP

4110	Thread	Hex Size mm	Length mm
41SFIW21MXN	1/2"	24	37
41SFIW26MXN	3/4"	32	42

Tech Sheet 525



### Hose Tail

4110	To Suit Hose ID	Length mm
41SFTF10MXN	10mm (3/8")	48
41SFTF13MXN	13mm (1/2")	48
41SFTF16MXN	16mm (5/8")	48
41SFTF19MXN	19mm (3/4")	48

Tech Sheet 525



You might also need **Wash Down Guns**  
see **Section 9**



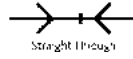
Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 45KF WATER COUPLINGS



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR

**Maximum Static Working Pressure:**  
PB 150 bar (2,140 PSI)



**Interchangeability:**  
Hanson, Parker

**Material:**  
Brass, steel  
**Application:**  
Straight through coupling, maximum flow, high pressure water and steam washers.



Actual Size



Couplings



## Couplings



**Male Thread, BSPP, Viton Seals**

4510	Thread	Hex Size mm	Length mm
45KFIW17MVX	3/8"	24	37
Tech Sheet 10282			



**Female Thread, BSPP, Viton Seals**

4510	Thread	Hex Size mm	Length mm
45KFAW17MVX	3/8"	24	43
Tech Sheet 10282			

## Plugs



**Male Thread, BSPP, Steel Nickel Plated**

4510	Thread	Hex Size mm	Length mm
45SFIW17SXN	3/8"	22	40
Tech Sheet 10282			



**Female Thread, BSPP, Steel Nickel Plated**

4510	Thread	Hex Size mm	Length mm
45SFAW17SXN	3/8"	22	42
Tech Sheet 10282			



You might also need  
**Pressure Washer Lances**  
see **Section 9**

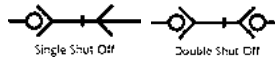


# 1 SERIES 48KA THERMOPLASTIC



**Working Temperature:**  
 RectuPom -20°C to +80°C NBR  
 RectuChem -20°C to +120°C NBR

**Working Pressure @ +20°C:**  
 RectuPom 0-10 bar  
 RectuChem 0-8 bar  
 RectuChem+ 1-8 bar



**Interchangeability:**  
 Rectus design

**Material:**  
 RectuPom – Delrin-Acetal,  
 RectuChem – PVDF

**Application:**  
 Suitable for liquids, gases, drinking water, laboratories,  
 medical technology and food areas.



Actual Size

Couplings

## Couplings



### Male Thread, BSPP, RectuPom

0194	Thread	Hex Size mm	Length mm
48KBAW17DPX	3/8"	21	67
48KBAW21DPX	1/2"	21	74

Tech Sheet 10283



### Female Thread, BSPP, RectuPom

0194	Thread	Hex Size mm	Length mm
48KBIW13DPX	1/4"	21	64
48KBIW17DPX	3/8"	21	64

Tech Sheet 10283



### Hose Tail, RectuPom

0194	To Suit Hose ID mm	Hex Size mm	Length mm
48KBTf06DPX	6	21	81
48KBTf09DPX	9	21	81
48KBTf13DPX	13	21	84

Tech Sheet 10283



### Male Thread, BSPP, RectuChem

0194	Thread	Hex Size mm	Length mm
48KBAW13FVX	1/4"	21	71
48KBAW17FVX	3/8"	21	67

Tech Sheet 10283



### Female Thread, BSPP, RectuChem

0194	Thread	Hex Size mm	Length mm
48KBIW21FVX	1/2"	21	75

Tech Sheet 10283



### Hose Tail, RectuChem

0194	To Suit Hose ID mm	Hex Size mm	Length mm
48KBTf06FVX	6	21	81
48KBTf13FVX	13	21	84

Tech Sheet 10283



### Male Thread, BSPP, RectuChem+

0194	Thread	Hex Size mm	Length mm
48KBAW21FVP	1/2"	21	74

Tech Sheet 10283

Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 48KA THERMOPLASTIC



1



Couplings



## Plugs (without Valve)



### Male Thread, BSPP, RectuPom

0194	Thread	Hex Size mm	Length mm
48SAW13DXX	1/4"	17	39
Tech Sheet 10283			



### Female Thread, BSPP, RectuPom

0194	Thread	Hex Size mm	Length mm
48SFIW13DXX	1/4"	17	38.5
48SFIW17DXX	3/8"	21	35.5
Tech Sheet 10283			



### Hose Tail, RectuPom

0194	To Suit Hose ID mm	Length mm
48SFTF13DXX	13	65.5
Tech Sheet 10283		



### Male Thread, BSPP, RectuChem

0194	Thread	Hex Size mm	Length mm
48SAW13FXX	1/4"	17	39
48SAW17FXX	3/8"	21	39
48SAW21FXX	1/2"	24	42
Tech Sheet 10283			



### Hose Tail, RectuChem

0194	To Suit Hose ID mm	Length mm
48SFTF09FXX	9	65.5
Tech Sheet 10283		

## Plugs (with Valve)



### Female Thread, BSPP, RectuPom

0194	Thread	Hex Size mm	Length mm
48SBIW17DPX	3/8"	21	48
Tech Sheet 10283			



### Female Thread, BSPP, RectuChem

0194	Thread	Hex Size mm	Length mm
48SBIW21FVX	1/2"	21	59
Tech Sheet 10283			



### Hose Tail, RectuPom

0194	To Suit Hose ID mm	Hex Size mm	Length mm
48SBTF06DPX	6	21	65.5
48SBTF09DPX	9	21	65.5
48SBTF13DPX	13	21	68.5
Tech Sheet 10283			



### Female Thread, BSPP, RectuChem+

0194	Thread	Hex Size mm	Length mm
48SBIW17FVP	3/8"	21	48
Tech Sheet 10283			

Other materials, seals and finishes available on request, please contact our technical department for further details.



## Couplings



**65KS Weld Coupling Oxygen,  
Female Thread, BSPP**

0194	Thread
65KSIW13MVX	1/4"



**65KS Weld Coupling Oxygen, Hose Tail**

0194	To Suit Hose ID
65KSTF06MVX	6mm (1/4")
65KSTF09MVX	9mm (3/8")



**67KS Weld Coupling Propane,  
Female Thread, BSPP LH**

0194	Thread
67KSIL17MVX	3/8"



**66KS Weld Coupling Acetylene,  
Female Thread, BSPP LH**

0194	Thread
66KSIL13MEX	1/4"
66KSIL17MEX	3/8"



**66KS Weld Coupling Acetylene, Hose Tail**

0194	To Suit Hose ID
66KSTF06MEX	6mm (1/4")



**67KS Weld Coupling Propane, Hose Tail**

0194	To Suit Hose ID
67KSTF06MVX	6mm (1/4")

## Hose Tails



**65KS Weld Adaptor Oxygen, Hose Tail**

0194	To Suit Hose ID
65SSTF06MXX	6mm (1/4")



**66KS Weld Adaptor Acetylene, Hose Tail**

0194	To Suit Hose ID
66SSTF06MXX	6mm (1/4")



**67KS Weld Adaptor Propane, Hose Tail**

0194	To Suit Hose ID
67SSTF06MXX	6mm (1/4")



**65KS Weld Adaptor Oxygen,  
Female Thread, BSPP**

0194	Thread
65SSIW13MXX	1/4"
65SSIW17MXX	3/8"



**67KS Weld Adaptor Propane,  
Female Thread, BSPP**

0194	Thread
67SSIL13MXX	1/4"
67SSIL17MXX	3/8"

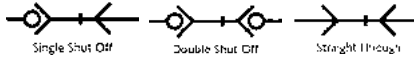


# SERIES 86KA & ACCESSORIES



**Working Temperature:**  
-15°C to +200°C  
Standard seal FKM

**Maximum Static Working Pressure:**  
PB 15 bar (217 PSI)



**Interchangeability:**  
D-M-E, Foster FJT,  
Parker Mold Mate.

**Material:**  
Brass, seals Viton standard, silicone available.  
**Application:**  
Brass coupling for connection of coolant lines to moulds and dies.



Actual Size

## Couplings



### Male Thread, BSPP, Non-valved

4610	Thread	Hex Size mm	Length mm
86KFAW13MVX	1/4"	15	43
Tech Sheet 527			



### Female Thread, BSPP, Non-valved

4610	Thread	Hex Size mm	Length mm
86KFIW10MVX	1/8"	15	39
86KFIW13MVX	1/4"	15	41
Tech Sheet 527			



### Straight Hose Tail, Non-valved

4610	To Suit Hose ID	Hex Size mm	Length mm
86KFTF06MVX	6mm (1/4")	15	56
86KFTF09MVX	9mm (3/8")	15	56
Tech Sheet 527			

### Male Thread, BSPP, Valved

4610	Thread	Hex Size mm	Length mm
86KBAW13MVX	1/4"	15	43
Tech Sheet 527			

### Female Thread, BSPP, Valved

4610	Thread	Hex Size mm	Length mm
86KBIW13MVX	1/4"	15	41
Tech Sheet 527			

### Straight Hose Tail, Valved

4610	To Suit Hose ID	Hex Size mm	Length mm
86KBTf06MVX	6mm (1/4")	15	56
86KBTf09MVX	9mm (3/8")	15	56
Tech Sheet 527			



### 45° Hose Tail, Non-valved

4610	To Suit Hose ID	Hex Size mm	Length mm
86KFTH08MVX	8mm (5/16")	15	61
Tech Sheet 527			



### 90° Hose Tail, Non-valved

4610	To Suit Hose ID	Hex Size mm	Length mm
86KFTR09MVX	9mm (3/8")	15	44
Tech Sheet 527			

### 45° Hose Tail, Valved

4610	To Suit Hose ID	Hex Size mm	Length mm
86KBTH09MVX	9mm (3/8")	15	61
Tech Sheet 527			

### 90° Hose Tail, Valved

4610	To Suit Hose ID	Hex Size mm	Length mm
86KBTRO9MVX	9mm (3/8")	15	44
Tech Sheet 527			

Other materials, seals and finishes available on request, please contact our technical department for further details.





Couplings



**Non-valved,  
Straight Through Plugs**



**Male Thread, BSPT**

4610	Thread	Hex Size mm	Length mm
86SFAK10MXX	1/8"	11	24
86SFAK13MXX	1/4"	14	28.5
86SFAK17MXX	3/8"	17	26.5
Tech Sheet 527			

**Valved, Shut-off Plug**



**Male Thread, BSPT**

4610	Thread	Hex Size mm	Length mm
86SBAK13MVX	1/4"	17	23.5
Tech Sheet 527			

**Replacement Bodyseals**



**Viton & Silicone**

4610
86-VITON
86-SILICONE
Tech Sheet 527



**Female Thread, BSPP, Steel Nickel Plated**

4610	Thread	Hex Size mm	Length mm
86SFIW13SXN	1/4"	17	24
Tech Sheet 527			

**Non-valved, Extension Plug**



4610	Hex Size mm	Length mm	OD mm
86VNXX05MXX	11	50	10
86VNXX10MXX	11	100	10
Tech Sheet 527			

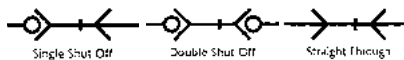
Other materials, seals and finishes available on request, please contact our technical department for further details.

# SERIES 87KA & ACCESSORIES



° Working Temperature:  
-15°C to +200°C  
Standard seal FKM

Maximum Static Working Pressure:  
PB 15 bar (217 PSI)



## Couplings



### Straight Hose Tail, Non-valved

4610	To Suit Hose ID	Hex Size mm	Length mm
87KFTF09MVX	9mm (3/8")	19	71
87KFTF13MVX	13mm (1/2")	19	71

Tech Sheet 526

### Straight Hose Tail, Valved

4610	To Suit Hose ID	Hex Size mm	Length mm
87KBTF09MVX	9mm (3/8")	19	71
87KBTF13MVX	13mm (1/2")	19	71

Tech Sheet 526



### 45° Hose Tail, Non-valved

4610	To Suit Hose ID	Hex Size mm	Length mm
87KFTH09MVX	9mm (3/8")	19	79
87KFTH13MVX	13mm (1/2")	19	79

Tech Sheet 526

### 45° Hose Tail, Valved

4610	To Suit Hose ID	Hex Size mm	Length mm
87KBTH09MVX	9mm (3/8")	19	79
87KBTH13MVX	13mm (1/2")	19	79

Tech Sheet 526



### 90° Hose Tail, Non-valved

4610	To Suit Hose ID	Hex Size mm	Length mm
87KFTR09MVX	9mm (3/8")	19	65
87KFTR13MVX	13mm (1/2")	19	65

Tech Sheet 526

### 90° Hose Tail, Valved

4610	To Suit Hose ID	Hex Size mm	Length mm
87KBTR09MVX	9mm (3/8")	19	65
87KBTR13MVX	13mm (1/2")	19	65

Tech Sheet 526

**Interchangeability:**  
D-M-E, Jiffy-Tite, Jiffy-Matic, Foster FJT, Parker Mould Mate

**Material:**  
Brass, viton or silicone seals

**Application:**  
Brass coupling for connection of coolant lines to moulds and dies



Actual Size

## Non-valved, Straight Through Plugs



### Male Thread, Brass, BSPT

4610	Thread	Hex Size mm	Length mm
87SFAK13MXX	1/4"	14	32
87SFAK17MXX	3/8"	17	32
87SFAK21MXX	1/2"	22	39

Tech Sheet 526

## Non-valved, Extension Plug



### Female Thread, Steel, Nickel Plated, BSPP

4610	Thread	Hex Size mm	Length mm
87SFIW13SXN	1/4"	19	37
87SFIW17SXN	3/8"	19	37

Tech Sheet 526

4610	OD mm	Hex Size mm	Length mm
87VNXX10MXX	10	15	100
87VNXX15MXX	10	15	150

Tech Sheet 526

## Valved, Shut-off Plug



### Male Thread, Brass, BSPT

4610	Thread	Hex Size mm	Length mm
87SBAK17MVX	3/8"	17	34
87SBAK21MVX	1/2"	22	39

Tech Sheet 526

## Replacement Bodyseals



### Viton & Silicone

4610
87-VITON
87-SILICONE

Tech Sheet 526





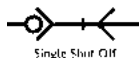
# SERIES 95/96KS SAFETY LOCK & ACCESSORIES



**Working Temperature:**  
-20°C to +100°C  
Standard seal NBR



**Maximum Static Working Pressure:**  
PB 35 bar (500 PSI)



Single Shut Off

**Flow Rate:**  
1800 L/min

**Material:**  
Brass nickel plated, Buna seal (standard series coupling)

**Application:**  
Single shut off quick connect coupling commonly used on portable breathing air kits and hose line trolley packs

**ULTRA-FLO** »»



Actual Size

## Couplings



### Male Thread, BSPT

9510	Thread	Hex Size mm	Length mm
95KSAK13BPN	1/4"	19	61
95KSAK17BPN	3/8"	19	61
95KSAK21BPN	1/2"	22	61

Tech Sheet 528



### Female Thread, BSPP

9510	Thread	Hex Size mm	Length mm
95KSIW13BPN	1/4"	19	56
95KSIW17BPN	3/8"	19	55
95KSIW21BPN	1/2"	24	58

Tech Sheet 528



### Hose Tail

9510	To Suit Hose ID	Hex Size mm	Length mm
95KSTF06BPN	6mm (1/4")	19	74
95KSTF08BPN	8mm (5/16")	19	74
95KSTF09BPN	9mm (3/8")	19	74
95KSTF10BPN	10mm	19	74
95KSTF13BPN	13mm (1/2")	19	74

Tech Sheet 528

## Plugs



### Male Thread, BSPT

9510	Thread	Hex Size mm	Length mm
96SSAK13MXN	1/4"	14	38.5
96SSAK17MXN	3/8"	17	38.5

Tech Sheet 528

### Male Thread, BSPT, 316 Stainless Steel

stainless steel

9510	Thread	Hex Size mm	Length mm
96SSAK13EXX	1/4"	14	38.5

Tech Sheet 528



### Female Thread, BSPP

9510	Thread	Hex Size mm	Length mm
96SSIW13MXN	1/4"	17	33
96SSIW17MXN	3/8"	19	33

Tech Sheet 528

## Dust Protection



### Caps & Plugs

9510	To Suit
SK23S	Coupling
SK12S	Plug

Tech Sheet 528

### Hose Tail

9510	To Suit Hose ID	Length mm
96SSTF06MXN	6mm (1/4")	48
96SSTF09MXN	9mm (3/8")	48
96SSTF13MXN	13mm (1/2")	48

Tech Sheet 528

### Hose Tail, 316 Stainless Steel

stainless steel

9510	To Suit Hose ID	Length mm
96SSTF10EXX	10mm (3/8")	48

Tech Sheet 528

# AIR LINE COUPLINGS



## Airflow Air Line Couplings

Suitable for fixed applications.  
Compatible with the Standard Air Line plugs.

Steel Construction - robust and hardwearing, ideal for use in the engineering/workshop environment

Positive locking mechanism  
**Interchangeability:** Rectus 19  
**Nominal Bore:** 5mm

**Working Temperature:**  
-40°C to +100°C

**Maximum Working Pressure:** 14 bar



### Male Thread, BSPT

7000	Thread
AC21CM02	1/4"
AC21EM02	3/8"
AC21JM02	1/2"

Tech Sheet 20603



### Female Thread, BSPP

7000	Thread
AC21CF02	1/4"
AC21EF02	3/8"
AC21JF02	1/2"

Tech Sheet 20603



### Hose Tail

7000	To Suit Hose ID
AC21R02	6mm (1/4")
AC21S02	8mm (5/16")
AC21T02	10mm (3/8")

Tech Sheet 20603

## Vertex Air Line Couplings

Suitable for trailing hose applications.  
Compatible with the Standard Air Line plugs.

Steel Construction - robust and hardwearing, ideal for use in the engineering/workshop environment

Positive locking mechanism  
**Interchangeability:** Rectus 19  
**Nominal Bore:** 5mm

**Working Temperature:**  
-40°C to +100°C

**Maximum Working Pressure:** 14 bar



### Male Thread, BSPT

7000	Thread
AC91CM	1/4"
AC91EM	3/8"
AC91JM	1/2"

Tech Sheet 20603



### Female Thread, BSPP

7000	Thread
AC91CF	1/4"
AC91EF	3/8"
AC91JF	1/2"

Tech Sheet 20603



### Hose Tail

7000	Thread
AC91R	7mm (1/4")
AC91S	8mm (5/16")
AC91T	10mm (3/8")

Tech Sheet 20603

## Airflow & Vertex Standard Air Line Plugs



### Male Thread, BSPT

7000	Thread
ACA2593	1/4"
ACA6909	3/8"
ACA6584	1/2"

Tech Sheet 20604



### Female Thread, BSPP

7000	Thread
ACA2746	1/4"
ACA6582	3/8"
ACA6583	1/2"

Tech Sheet 20604



### Hose Tail

7000	To Suit Hose ID
ACA1793	6mm (1/4")
ACA2487	8mm (5/16")
ACA2488	10mm (3/8")

Tech Sheet 20604



## Coupling Kit

Designed for the service engineer, or to keep in a workshop in case of a pneumatic air line failure, this small, compact kit contains all the parts you need to repair any standard air line failure.

### Contents:

- 1 x AC91CM, AC91CF, HC6560, HC6892, HC6893, HC5656, HC1217, HC2479, HC6895, HC6896 and PTFE tape
- 2 x ACA2593, ACA2746, 000 and 00



## Emergency Coupling Kit

7000  
ACKIT01

## Safeflow Safety Couplings

Compatible with the Standard Air Line plugs  
Enhances workshop safety; prevents hose whip  
**Nominal Bore:** 4.8mm

**Maximum flow rate:** 43cfm at 100lb/in<sup>2</sup>  
**Approvals:** conforms to ISO 4414:1998 and EN 983:1996  
**Interchangeability:** Rectus 19

**Maximum Working Pressure:**  
200lb/in<sup>2</sup> (14 bar)



### Male Thread, BSPT

7000	Thread
SC21CM	1/4"
SC21EM	3/8"
SC21JM	1/2"

Tech Sheet 20605



### Female Thread, BSPP

7000	Thread
SC21CF	1/4"
SC21EF	3/8"
SC21JF	1/2"

Tech Sheet 20605



You might also need **Hose Reels**  
see **Section 7**

# AIR LINE COUPLINGS



## 60 Series Air Line Couplings

Nominal Bore: 7.1mm

Working Temperature:  
-40°C to +100°C

Maximum Working Pressure:  
14 bar



**Male Thread, BSPT**

7002	Thread
AC4CM02	1/4"
AC4EM02	3/8"
AC4JM02	1/2"

Tech Sheet 20606

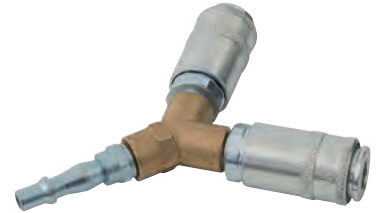


**Female Thread, BSPP**

7002	Thread
AC4CF02	1/4"
AC4EF02	3/8"
AC4JF02	1/2"

Tech Sheet 20606

## Twin Coupling, Airflow



**'Y' 2 x Coupling, 1 x Plug**

7000	
AC6103	Tech Sheet 20606

## 60 Series Air Line Plugs



**Male Thread, BSPT**

7002	Thread
ACA2657	1/4"
ACA2661	3/8"

Tech Sheet 20606



**Female Thread, BSPP**

7002	Thread
ACA2653	1/4"
ACA2660	3/8"

Tech Sheet 20606



**Hose Tail**

7002	To Suit Hose ID
ACA2654	8mm (5/16")
ACA2658	10mm (3/8")
ACA2659	13mm (1/2")

Tech Sheet 20606

## M100 Series Air Line Couplings

Ideal for larger air tool applications in garage and tyre shop environments

Nominal Bore: 10.3mm

Working Temperature:  
-40°C to +100°C

Maximum Working Pressure:  
14 bar



**Male Thread, BSPT**

7002	Thread
AC5EM02	3/8"
AC5JM02	1/2"

Tech Sheet 20607



**Female Thread, BSPP**

7002	Thread
AC5EF02	3/8"
AC5JF02	1/2"

Tech Sheet 20607

## M100 Series Air Line Plugs



**Male Thread, BSPT**

7002	Thread
ACA2999	3/8"
ACA3035	1/2"

Tech Sheet 20607



**Female Thread, BSPP**

7002	Thread
ACA2994	3/8"

Tech Sheet 20607



**Hose Tail**

7002	To Suit Hose ID
ACA3037	10mm (3/8")
ACA3036	13mm (1/2")

Tech Sheet 20607



## Mini Couplings

**Working Temperature:**  
-20°C to +80°C

**Maximum Working Pressure:**  
35 bar (508 psi)

Lightweight and compact design  
Brass, chrome plated

**Nominal Bore:** 5.0mm  
Flow rate @ 6 bar (0.5 bar P.D.)  
560 L/min

**Interchangeability:**  
Camozzi Mini, Cejn 50, Legris 21, Norgren 233, Rectus 21  
and Schrader Mini



### Male Thread, BSPP

7000	Thread
AC11AM	1/8"
AC11CM	1/4"

Tech Sheet 10662



### Female Thread, BSPP

7000	Thread
AC11AF	1/8"
AC11CF	1/4"

Tech Sheet 10662



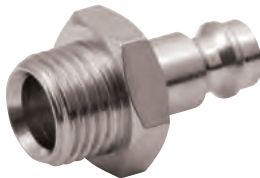
### Hose Tail

7000	To Suit Hose ID
AC1106	6mm (1/4")
AC1108	8mm (5/16")
AC1109	9mm

Tech Sheet 10662



## Mini Plugs



### Male Thread, BSPP

7000	Thread
AA11AM	1/8"
AA11CM	1/4"

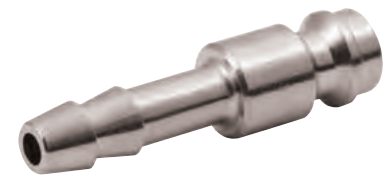
Tech Sheet 10662



### Female Thread, BSPP

7000	Thread
AA11AF	1/8"
AA11CF	1/4"

Tech Sheet 10662



### Hose Tail

7000	To Suit Hose ID
AA1106	6mm (1/4")
AA1109	9mm

Tech Sheet 10662

# AIR LINE COUPLINGS



## XF Couplings

**Working Temperature:**  
-40°C to +100°C

**Maximum Working Pressure:**  
35 bar (508 psi)

Steel construction with corrosive resistant finish for longer life

**Nominal Bore:** 7.4 mm

Flow rate @ 6 bar (0.5 bar P.D.) 2200 L/min

### Interchangeability:

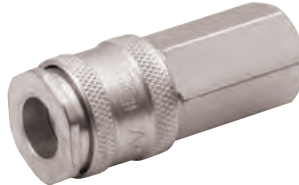
Cejn 320, Legris 25/26, Norgren 234/238, Rectus 25/26 and Schrader InterCheck 35



### Male Thread, BSPT

7000	Thread
AC71CM	1/4"
AC71EM	3/8"
AC71JM	1/2"

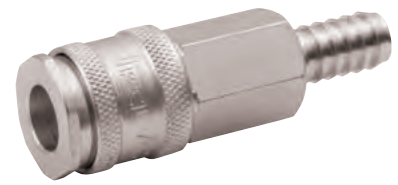
Tech Sheet 10663



### Female Thread, BSPP

7000	Thread
AC71CF	1/4"
AC71EF	3/8"
AC71JF	1/2"

Tech Sheet 10663

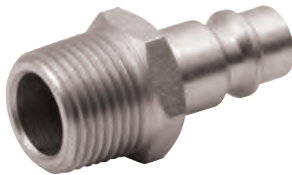


### Hose Tail

7000	To Suit Hose ID
AC7106	6mm (1/4")
AC7108	8mm (5/16")
AC7109	9mm
AC7110	10mm (3/8")
AC7113	13mm (1/2")

Tech Sheet 10663

## XF Plugs



### Male Thread, BSPT

7000	Thread
AA7101	1/8"
AA7102	1/4"
AA7103	3/8"
AA7104	1/2"

Tech Sheet 10663



### Female Thread, BSPP

7000	Thread
AA7105	1/8"
AA7106	1/4"
AA7107	3/8"
AA7108	1/2"

Tech Sheet 10663



### Hose Tail

7000	To Suit Hose ID
AA7109	4mm
AA7110	6mm (1/4")
AA7111	8mm (5/16")
AA7114	9mm
AA7112	10mm (3/8")
AA7113	13mm (1/2")

Tech Sheet 10663

## XF Safety Couplings

**Maximum Working Pressure:**  
16 bar

**Nominal Bore:** 7.4mm  
Flow Rate @ 6 bar (0.5 Bar P.D.) 1750 l/min

Designed to conform with compressed air Health and Safety Guide HS(G)39 and ISO 4414:2010



### Male Thread, BSPT

7000	Thread
AS71CM	1/4"
AS71EM	3/8"
AS71JM	1/2"

Tech Sheet 10664



### Female Thread, BSPP

7000	Thread
AS71CF	1/4"
AS71EF	3/8"
AS71JF	1/2"

Tech Sheet 10664





## PF Couplings

**Working Temperature:**  
-20°C to +80°C

**Maximum Working Pressure:**  
35 bar (508 psi)

Steel lightweight construction with  
corrosive resistant finish

**Nominal Bore:** 5.0mm  
Flow rate @ 6 bar (0.5 bar P.D.) 2200 L/min

**Interchangeability:**  
Rectus 17 and Schrader Standard



### Male Thread, BSPT

7000	Thread
AC77CM	1/4"
AC77EM	3/8"
AC77JM	1/2"

Tech Sheet 10665



### Female Thread, BSPP

7000	Thread
AC77CF	1/4"
AC77EF	3/8"
AC77JF	1/2"

Tech Sheet 10665



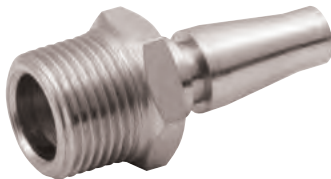
### Hose Tail

7000	To Suit Hose ID
AC7706	6mm (1/4")
AC7708	8mm (5/16")
AC7710	10mm (3/8")
AC7713	13mm (1/2")

Tech Sheet 10665



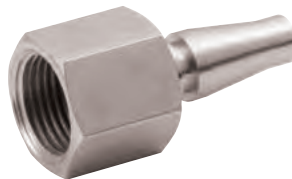
## PF Plugs



### Male Thread, BSPT

7000	Thread
AA7702	1/4"
AA7703	3/8"

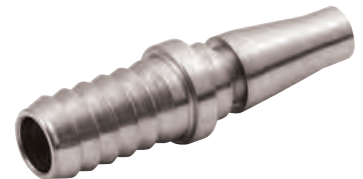
Tech Sheet 10665



### Female Thread, BSPP

7000	Thread
AA7706	1/4"
AA7707	3/8"

Tech Sheet 10665



### Hose Tail

7000	To Suit Hose ID
AA7710	6mm (1/4")
AA7711	8mm (5/16")
AA7712	10mm (3/8")

Tech Sheet 10665

# AIR LINE COUPLINGS



## ISO B12 Couplings

**Working Temperature:**  
-40°C to +100°C

**Maximum Working Pressure:**  
35 bar (508 psi)

Steel construction with corrosive resistant finish for longer life

**Nominal Bore:** 5.5mm  
Flow rate @ 6 bar (0.5 bar P.D.) 1100 L/min

**Interchangeability:**  
Rectus 23/24, Hanson 3000 and Legris 24



### Male Thread, BSPT

7000	Thread
AC75CM	1/4"
AC75EM	3/8"
AC75JM	1/2"

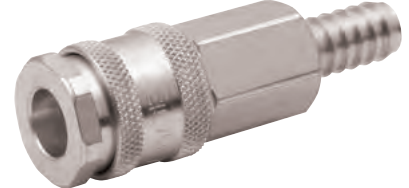
Tech Sheet 10667



### Female Thread, BSPP

7000	Thread
AC75CF	1/4"
AC75EF	3/8"
AC75JF	1/2"

Tech Sheet 10667



### Hose Tail

7000	To Suit Hose ID
AC7506	6mm (1/4")
AC7508	8mm (5/16")
AC7510	10mm (3/8")
AC7513	13mm (1/2")

Tech Sheet 10667

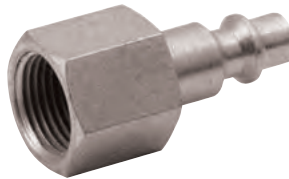
## ISO B12 Plugs



### Male Thread, BSPT

7000	Thread
AA7502	1/4"
AA7503	3/8"
AA7504	1/2"

Tech Sheet 10667



### Female Thread, BSPP

7000	Thread
AA7506	1/4"
AA7507	3/8"

Tech Sheet 10667



### Hose Tail

7000	To Suit Hose ID
AA7510	6mm (1/4")
AA7511	8mm (5/16")
AA7512	10mm (3/8")
AA7513	13mm (1/2")

Tech Sheet 10667





## "A" Style Couplings

 **Working Temperature:**  
-40°C to +100°C



**Maximum Working Pressure:**  
14 bar

Steel construction with corrosive resistant finish for longer life

**Nominal Bore:** 5.5mm

Flow rate @ 6 bar (0.5 bar P.D.) 650 L/min

**Interchangeability:**

ARO 210, Cejn 300, JWL 522/532, Rectus 14/22 and Schrader Euro



### Male Thread, BSPT

7000	Thread
AC61CM	1/4"
AC61EM	3/8"
AC61JM	1/2"

Tech Sheet 10668



### Female Thread, BSPP

7000	Thread
AC61CF	1/4"
AC61EF	3/8"
AC61JF	1/2"

Tech Sheet 10668



### Hose Tail

7000	To Suit Hose ID
AC61R	6mm (1/4")
AC61S	8mm (5/16")
AC61T	10mm (3/8")

Tech Sheet 10668

## "A" Style Plugs



### Male Thread, BSPT

7000	Thread
ACA6923	1/4"

Tech Sheet 10668



### Female Thread, BSPP

7000	Thread
ACA6924	1/4"

Tech Sheet 10668



### Hose Tail

7000	To Suit Hose ID
ACA6912	6mm (1/4")
ACA6922	8mm (5/16")
ACA6930	10mm (3/8")

Tech Sheet 10668



# AIR LINE COUPLINGS



## KF Couplings

**Working Temperature:**  
-40°C to +100°C

**Maximum Working Pressure:**  
35 bar (508 psi)

Steel construction with corrosive resistant finish for longer life

**Nominal Bore:** 7.6mm  
Flow rate @ 6 bar (0.5 bar P.D.) 2100 L/min

**Interchangeability**  
Cejn 314/315, Nitto Kohki 200 and Rectus 13



### Male Thread, BSPT

7000	Thread
AC78CM	1/4"
AC78EM	3/8"
AC78JM	1/2"

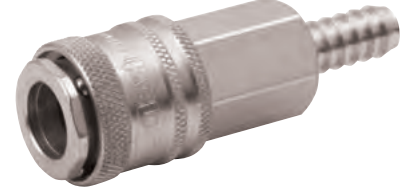
Tech Sheet 10669



### Female Thread, BSPP

7000	Thread
AC78CF	1/4"
AC78EF	3/8"
AC78JF	1/2"

Tech Sheet 10669

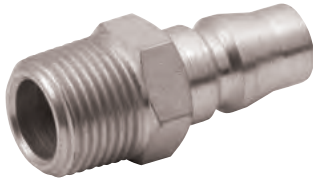


### Hose Tail

7000	To Suit Hose ID
AC7806	6mm (1/4")
AC7808	8mm (5/16")
AC7810	10mm (3/8")
AC7813	13mm (1/2")

Tech Sheet 10669

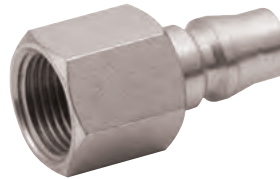
## KF Plugs



### Male Thread, BSPT

7000	Thread
AA7802	1/4"
AA7803	3/8"
AA7804	1/2"

Tech Sheet 10669



### Female Thread, BSPP

7000	Thread
AA7806	1/4"
AA7807	3/8"
AA7808	1/2"

Tech Sheet 10669



### Hose Tail

7000	To Suit Hose ID
AA7810	6mm (1/4")
AA7811	8mm (5/16")
AA7812	10mm (3/8")
AA7813	13mm (1/2")

Tech Sheet 10669



## Multi-Fit Couplings

 **Working Temperature:**  
-20°C to +100°C



**Maximum Working Pressure:**  
35 bar (508 psi)

Steel construction with corrosive resistant finish for longer life

**Nominal Bore:** 5.0mm

Flow rate @ 6 bar (0.5 bar P.D.)

1800 L/min

Coupling can be used in conjunction with any of the following plugs ISO B12, XF, and Euro

**Interchangeability:**

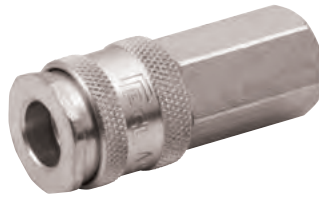
Cejn 310/312, Rectus 23/25/26, Hanson 3000 and Dynaquip DC 3



## Male Thread, BSPT

7000	Thread
AC73CM	1/4"
AC73EM	3/8"
AC73JM	1/2"

Tech Sheet 10666



## Female Thread, BSPP

7000	Thread
AC73CF	1/4"
AC73EF	3/8"
AC73JF	1/2"

Tech Sheet 10666



## Hose Tail

7000	To Suit Hose ID
AC7306	6mm (1/4")
AC7308	8mm (5/16")
AC7310	10mm (3/8")
AC7313	13mm (1/2")

Tech Sheet 10666

Couplings can be used in conjunction with any of the following plugs ISO B12, XF, & Euro



# INSTANTAIR COUPLINGS



Working Temperature:  
-20°C to +80°C

Maximum Working Pressure:  
17 bar

Nominal Bore: 5.6mm

## Steel Zinc Plated Instantair Couplings



**Male Thread, BSPT**

0107	Old Ref	Thread
<b>AC51CM</b>	PT8825	1/4"
<b>AC51EM</b>	PT8827	3/8"
<b>AC51JM</b>	PT9095	1/2"

Tech Sheet 536



**Female Thread, BSPP**

0107	Old Ref	Thread
<b>AC51CF</b>	PT8823	1/4"
<b>AC51EF</b>	PT8800	3/8"
<b>AC51JF</b>	PT9096	1/2"

Tech Sheet 536



**Hose Tail**

0107	Old Ref	To Suit Hose ID
<b>AC51R</b>	PT8800/SU4	6mm (1/4")
<b>AC51S</b>	PT8800/SU5	8mm (5/16")
<b>AC51T</b>	PT8800/SU6	10mm (3/8")

Tech Sheet 536

## Steel Zinc Plated Instantair Adaptors



**Male Thread, BSPP**

0107	Old Ref	Thread
<b>AA5102</b>	PT8808	1/4"
<b>AA5103</b>	PT8817	3/8"

Tech Sheet 536



**Female Thread, BSPP**

0107	Old Ref	Thread
<b>AA5106</b>	PT8806	1/4"
<b>AA5107</b>	PT8802	3/8"

Tech Sheet 536



**Hose Tail**

0107	Old Ref	To Suit Hose ID
<b>AA5110</b>	PT8802/SU4	6mm (1/4")
<b>AA5111</b>	PT8802/SU5	8mm (5/16")
<b>AA5112</b>	PT8802/SU6	10mm (3/8")

Tech Sheet 536

## Steel Zinc Plated Instantair Swivel Adaptors



**Male Thread, BSPP**

0107	Old Ref	Thread
<b>AA5302</b>	PT8836	1/4"
<b>AA5303</b>	PT8838	3/8"

Tech Sheet 536



**Female Thread, BSPP**

0107	Old Ref	Thread
<b>AA5306</b>	PT8834	1/4"
<b>AA5307</b>	PT8804	3/8"

Tech Sheet 536



**Hose Tail**

0107	Old Ref	To Suit Hose ID
<b>AA5310</b>	PT8804/SU4	6mm (1/4")
<b>AA5311</b>	PT8804/SU5	8mm (5/16")
<b>AA5312</b>	PT8804/SU6	10mm (3/8")

Tech Sheet 536

## Steel Zinc Plated Instantair 1/2" Couplings



**Male Thread, BSPP**

0107	Old Ref	Thread
<b>AC59JM</b>	PT8811	1/2"

Tech Sheet 536



**Female Thread, BSPP**

0107	Old Ref	Thread
<b>AC59JF</b>	PT8812	1/2"

Tech Sheet 536



**Hose Tail**

0107	Old Ref	To Suit Hose ID
<b>AC59V</b>	PT8813	13mm (1/2")

Tech Sheet 536



# 1 INSTANTAIR COUPLINGS

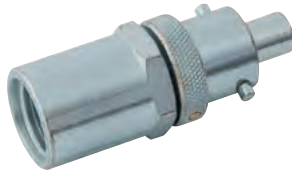


## Steel Zinc Plated Instantair 1/2" Swivel Adaptors



**Male Thread, BSPP**

0107	Old Ref	Thread
AA5904	PT8820	1/2"
Tech Sheet 536		



**Female Thread, BSPP**

0107	Old Ref	Thread
AA5908	PT8821	1/2"
Tech Sheet 536		



**Hose Tail**

0107	Old Ref	To Suit Hose ID
AA5913	PT8819	13mm (1/2")
Tech Sheet 536		

Couplings



## Brass Chrome Plated Instantair Couplings



**Male Thread, BSPP**

0107	Old Ref	Thread
AC52CM	PT8826	1/4"
AC52EM	PT8828	3/8"
Tech Sheet 536		



**Female Thread, BSPP**

0107	Old Ref	Thread
AC52CF	PT8824	1/4"
AC52EF	PT8801	3/8"
Tech Sheet 536		



**Hose Tail**

0107	Old Ref	To Suit Hose ID
AC52T	PT8801/SU6	10mm (3/8")
Tech Sheet 536		

## Brass Chrome Plated Instantair Adaptors



**Male Thread, BSPP**

0107	Old Ref	Thread
AA5202	PT8809	1/4"
AA5203	PT8818	3/8"
Tech Sheet 536		



**Female Thread, BSPP**

0107	Old Ref	Thread
AA5206	PT8807	1/4"
Tech Sheet 536		



**Hose Tail**

0107	Old Ref	To Suit Hose ID
AA5210	PT8803/SU4	6mm (1/4")
Tech Sheet 536		

## Brass Chrome Plated Instantair Swivel Adaptors



**Male Thread, BSPP**

0107	Old Ref	Thread
AA5402	PT8837	1/4"
Tech Sheet 536		



**Hose Tail**

0107	Old Ref	To Suit Hose ID
AA5412	PT8805/SU6	10mm (3/8")
Tech Sheet 536		

# BE RANGES



## BE-14 Couplings



**Male Thread, BSPT**

0530	Thread
B1404M	1/4"
B1406M	3/8"



**Female Thread, BSPP**

0530	Thread
B1404F	1/4"



**Hose Tail**

0530	To Suit Hose ID
B1404H	1/4" (6)



## BE-14 Plugs



**Male Thread, BSPT**

0530	Thread
B1404MP	1/4"



**Female Thread, BSPP**

0530	Thread
B1404FP	1/4"



**Hose Tail**

0530	To Suit Hose ID
B1406HP	3/8" (10)

## BE-17 Couplings



**Male Thread, BSPT**

0531	Thread
B1704M	1/4"
B1706M	3/8"
B1708M	1/2"



**Female Thread, BSPP**

0531	Thread
B1704F	1/4"
B1706F	3/8"
B1708F	1/2"



**Hose Tail**

0531	Thread
B1704H	1/4" (6mm)
B1705H	5/16" (8mm)
B1706H	3/8" (10mm)
B1708H	1/2" (12mm)



## BE-17 Twist Couplings



Standard-duty, Male Thread, BSPT

0531	Thread
B17T04M	1/4"



Standard-duty, Female Thread, BSPP

0531	Thread
B17T04F	1/4"



## BE-17 Plugs



Male Thread, BSPT

0531	Thread
B1702MP	1/8"
B1704MP	1/4"
B1706MP	3/8"
B1708MP	1/2"



Female Thread, BSPP

0531	Thread
B1702FP	1/8"
B1704FP	1/4"
B1706FP	3/8"



BE-17 Plugs, Hose Tail

0531	To Suit Hose ID
B1704HP	1/4" (6mm)
B1705HP	5/16" (8mm)
B1706HP	3/8" (10mm)
B1708HP	1/2" (12mm)

## BE-19 Couplings



Male Thread, BSPT

0532	Thread
B1904M	1/4"
B1906M	3/8"
B1908M	1/2"



Female Thread, BSPP

0532	Thread
B1904F	1/4"
B1906F	3/8"
B1908F	1/2"



Hose Tail

0532	To Suit Hose ID
B1904H	1/4" (6mm)
B1905H	5/16" (8mm)
B1906H	3/8" (10mm)
B1908H	1/2" (12mm)

## BE-19 Plugs



Male Thread, BSPT

0532	Thread
B1902MP	1/8"
B1904MP	1/4"
B1906MP	3/8"
B1908MP	1/2"



Female Thread, BSPP

0532	Thread
B1904FP	1/4"
B1906FP	3/8"
B1908FP	1/2"



Hose Tail

0532	To Suit Hose ID
B1904HP	1/4"
B1905HP	5/16"
B1906HP	3/8"
B1908HP	1/2"



# BE RANGES

## BE-21 Mini Couplings



### Male Thread, BSPT

0533	Thread
B2102M	1/8"
B2104M	1/4"



### Panel Mounting, Male Thread, BSPP

0533	Description
B2102BH	1/8" BSPP Male Panel Mounting
B2104BH	1/4" BSPP Male Panel Mounting



### Female Thread, BSPP

0533	Description
B2102F	1/8"
B2104F	1/4"



### Quick Fit Tube

0533	To Suit Tube mm
B2106Q	6 x 4
B2108Q	8 x 6



### Quick Fit Panel Mounting

0533	To Suit Tube mm
B2106QBH	6 x 4
B2108QBH	8 x 6



### BE-21 Mini Couplings, Hose Tail

0533	To Suit Hose ID
B2104H	6mm
B2105H	9mm
B2106H	3/8" (10mm)

## BE-21 Mini Plugs



### Male Thread, BSPP

0533	Thread
B2102MP	1/8"
B2104MP	1/4"



### Female Thread, BSPP

0533	Thread
B2102FP	1/8"
B2104FP	1/4"



### Quick Fit

0533	To Suit Tube mm
B2106QP	6 x 4
B2108QP	8 x 6



### Hose Tail

0533	To Suit Hose ID
B2103HP	3/16" (5mm)
B2104HP	6mm
B2105HP	9mm



## BE-23 ISO Couplings



## Male Thread, BSPT

0534	Thread
B2304M	1/4"
B2306M	3/8"
B2308M	1/2"



## Female Thread, BSPP

0534	Thread
B2304F	1/4"
B2306F	3/8"
B2308F	1/2"



## Hose Tail

0534	To Suit Hose ID
B2305H	5/16"
B2306H	3/8"



## BE-23 ISO Plugs



## Male Thread, BSPT

0534	Thread
B2304MP	1/4"



## Female Thread, BSPP

0534	Thread
B2304FP	1/4"
B2306FP	3/8"



## Hose Tail

0534	To Suit Hose ID
B2304HP	1/4"
B2305HP	5/16"
B2306HP	3/8"
B2308HP	1/2"



## Safety, Male Thread, BSPT

0534	Thread
B2304MPS	1/4"

## BE-25B Brass Couplings



## Male Thread, BSPT

0535	Thread
B25B04M	1/4"
B25B06M	3/8"
B25B08M	1/2"



## Female Thread, BSPP

0535	Thread
B25B04F	1/4"
B25B06F	3/8"
B25B08F	1/2"



## Hose Tail

0535	To Suit Hose ID
B25B05H	5/16" (8mm)
B25B06H	3/8" (10mm)
B25B08H	1/2" (13mm)

## BE-25B Brass Plugs



## Male Thread, BSPT

0535	Thread
B25B04MP	1/4"
B25B06MP	3/8"
B25B08MP	1/2"



## Female Thread, BSPP

0535	Thread
B25B04FP	1/4"



## Hose Tail

0535	To Suit Hose ID
B25B04HP	1/4" (6mm)
B25B05HP	5/16" (8mm)
B25B06HP	3/8" (10mm)
B25B08HP	1/2" (12mm)

# BE RANGES



## BE-25 Couplings



**Male Thread, BSPT**

0535	Thread
B2504M	1/4"
B2506M	3/8"
B2508M	1/2"



**Female Thread, BSPP**

0535	Thread
B2504F	1/4"
B2506F	3/8"
B2508F	1/2"



**Hose Tail**

0535	To Suit Hose ID
B2504H	1/4" (6mm)
B2505H	5/16" (8mm)
B2506H	3/8" (10mm)
B2508H	1/2" (12mm)

## B-E 25 Plugs



**Male Thread, BSPT**

0535	Thread
B2502MP	1/8"
B2504MP	1/4"
B2506MP	3/8"
B2508MP	1/2"



**Female Thread, BSPP**

0535	Thread
B2502FP	1/8"
B2504FP	1/4"
B2506FP	3/8"
B2508FP	1/2"



**Hose Tail**

0535	To Suit Hose ID
B2504HP	1/4" (6mm)
B2505HP	5/16" (8mm)
B2506HP	3/8" (10mm)
B2508HP	1/2" (12mm)



**Safety, Male Thread, BSPT**

0535	Thread
B2506MPS	3/8"

## BE-27 High Flow Couplings



**Male Thread, BSPT**

0536	Thread
B2708M	1/2"



**Female Thread, BSPP**

0536	Thread
B2706F	3/8"
B2708F	1/2"



**Hose Tail**

0536	To Suit Hose ID
B2706H	3/8"
B2708H	1/2"

## BE-27 High Flow Plugs



**Male Thread, BSPT**

0536	Thread
B2704MP	1/4"
B2706MP	3/8"
B2708MP	1/2"



**Female Thread, BSPP**

0536	Thread
B2704FP	1/4"
B2708FP	1/2"



**Hose Tail**

0536	To Suit Hose ID
B2706HP	3/8"
B2710HP	5/8"





## BE-60 Couplings



Male Thread, BSPT

0537	Thread
B6006M	3/8"



Female Thread, BSPP

0537	Thread
B6008F	1/2"

## BE-60 Plugs



Male Thread, BSPT

0537	Thread
B6006MP	3/8"



Hose Tail

0537	To Suit Hose ID
B6005HP	5/16" (8)



## BE-68 Heavy-duty Couplings



Male Thread, BSPP

0538	Thread
B6808M	1/2"
B6812M	3/4"



Female Thread, BSPP

0538	Thread
B6804F	1/4"
B6808F	1/2"
B6812F	3/4"



Hose Tail

0538	To Suit Hose ID
B6806H	3/8" (10mm)
B6808H	1/2" (12mm)
B6812H	3/4" (19mm)

## BE-68 Heavy-duty Plugs



Male Thread, BSPT

0538	Thread
B6804MP	1/4"
B6806MP	3/8"
B6808MP	1/2"
B6812MP	3/4"



Female Thread, BSPP

0538	Thread
B6804FP	1/4"
B6806FP	3/8"
B6808FP	1/2"



Hose Tail

0538	To Suit Hose ID
B6806HP	3/8" (10mm)
B6808HP	1/2" (12mm)

## BE-100 Plugs



Safety, Male Thread, BSPT

0539	Thread
B10008MPS	1/2"



Hose Tail

0539	To Suit Hose ID
B10006HP	3/8" (10)



## Twist-Air Couplings (Broomwade Type)



**Male Thread, BSPP**

0540	Thread
PCM104C	1/4"
PCM106C	3/8"



**Female Thread, BSPP**

0540	Thread
PCF104C	1/4"
PCF106C	3/8"



**Hose Tail**

0540	To Suit Hose ID
PCH105C	5/16" (8mm)
PCH106C	3/8" (10mm)

## Fixed Twist Adaptor (Broomwade Type)



**Female Thread, BSPP**

0540	Thread
PFI04C	1/4"
PFI06C	3/8"



**Hose Tail**

0540	To Suit Hose ID
PHI06C	3/8" (10mm)

## Swivel Twist Adaptor (Broomwade Type)



**Male Thread, BSPP**

0540	Thread
PMIS04C	1/4"



**Female Thread, BSPP**

0540	Thread
PFIS04C	1/4"
PFIS06C	3/8"



**Hose Tail**

0540	Thread
PHIS04C	1/4" (6mm)
PHIS06C	3/8" (10mm)






# Specialists in the design and provision of Couplings, Hose and Connectors

## High quality interchangeable QRC's

- Designed, assembled and tested in the UK
- NBR seal as standard
- Large stock available for speedy delivery



Samples available on request

Series	Image	Application	Interchangeable	Page
054		General purpose pneumatic coupling for garages and workshops with above average flow performance for liquid and gaseous media.	<ul style="list-style-type: none"> <li>• Rectus 17 Series</li> <li>• Standard Schrader NW5</li> </ul>	63
057		Robust pneumatic coupling for general purpose compressed airline applications. Single handed operation.	<ul style="list-style-type: none"> <li>• Rectus 19 Series</li> <li>• PCL Standard NW 5.5</li> </ul>	64
050		Industrial coupling for use in instrumentation and pneumatic systems.	<ul style="list-style-type: none"> <li>• Rectus 21 Series</li> <li>• Rectus 90 Series</li> <li>• Camozzi 5000</li> </ul>	65-66
075		The 075 series is specially Suited to compressed air applications. Its compact dimensions and single handed operation make it Suitable for numerous applications.	<ul style="list-style-type: none"> <li>• Rectus 25 Series</li> <li>• CEJN 320 NW7.8</li> </ul>	67
812		Used on compressed air, nitrogen and low pressure steam lines in oil refineries, chemical and industrial plants to ensure maximum safety of operation.	<ul style="list-style-type: none"> <li>• Dixon Europe</li> <li>• Macdonald Couplings</li> </ul>	80

The Kee® connections range has a full selection of interchangeable Couplings and over 100 versions available across single shut off, double shut off and straight through Couplings.

# 054 SERIES

 **Working Temperature:**  
-20°C to +100°C

 **Maximum Static Working Pressure:**  
35 bar



**Back body:**  
Brass (MS 58) nickel plated  
**Valve body:**  
Steel hardened, nickel plated  
**Sleeve:** Steel hardened, nickel plated  
**Spring and locking ring:**  
Stainless steel 301  
**Locking balls:** Stainless steel 301  
**Seals:** Nitrile  
**Plug body:** Steel nickel plated

**Interchangeability:**  
Interchangeable with the Rectus 17 series and standard Schrader NW5.  
**Application:**  
General purpose pneumatic coupling for garages and workshops with above average flow performance for liquid and gaseous media.



Actual Size

## Couplings



### Male Thread, BSPT

0493	Thread	Length mm
054CVMT14BNN	1/4"	59
054CVMT38BNN	3/8"	60
054CVMT12BNN	1/2"	54

Tech Sheet 60437



### Female Thread, BSPP

0493	Thread	Length mm
054CVFP14BNN	1/4"	54
054CVFP38BNN	3/8"	54
054CVFP12BNN	1/2"	56

Tech Sheet 60437



### Hose Tail

0493	To Suit Hose ID	Length mm
054CVHT06BNN	6mm (1/4")	70
054CVHT08BNN	8mm (5/16")	70
054CVHT10BNN	10mm (3/8")	69
054CVHT13BNN	13mm (1/2")	69

Tech Sheet 60437

## Plugs



### Male Thread, BSPT

0493	Thread	Length mm
054PNMT14SXN	1/4"	41
054PNMT38SXN	3/8"	41
054PNMT12SXN	1/2"	47

Tech Sheet 60437



### Female Thread, BSPP

0493	Thread	Length mm
054PNFP14SXN	1/4"	41
054PNFP38SXN	3/8"	41
054PNFP12SXN	1/2"	41

Tech Sheet 60437



### Hose Tail

0493	To Suit Hose ID	Length mm
054PNHT06SXN	6mm (1/4")	51
054PNHT08SXN	8mm (5/16")	51
054PNHT10SXN	10mm (3/8")	51
054PNHT13SXN	13mm (1/2")	51

Tech Sheet 60437



**Working Temperature:**  
-20°C to +100°C

**Maximum Static Working Pressure:**  
35 bar

**Back body:**

Brass (ms 58) nickel plated

**Valve body:**

Steel nickel plated

**Sleeve:** Steel nickel plated**Spring and locking ring:**

Stainless steel 301

**Locking balls:** Stainless steel 301**Seals:** Nitrile, EPDM and Viton seals available on request.**Plug body:** Steel nickel plated**Interchangeability:**

Interchangeable with the Rectus 19 series and PCL standard NW 5.5.

**Application:**

Robust pneumatic coupling for general purpose compressed airline applications. Single handed operation.



Actual Size

## Couplings



## Male Thread, BSPT

0491	Thread	Length mm
057CVMT14SNN	1/4"	63
057CVMT38SNN	3/8"	63
057CVMT12SNN	1/2"	58

Tech Sheet 60436



## Female Thread, BSPP

0491	Thread	Length mm
057CVFP14SNN	1/4"	58
057CVFP38SNN	3/8"	58
057CVFP12SNN	1/2"	60

Tech Sheet 60436



## Hose Tail

0491	To Suit Hose ID	Length mm
057CVHT06SNN	6mm (1/4")	74
057CVHT08SNN	8mm (5/16")	74
057CVHT10SNN	10mm (3/8")	74
057CVHT13SNN	13mm (1/2")	74

Tech Sheet 60436

## Plugs



## Male Thread, BSPT

0491	Thread	Length mm
057PNMT14SXN	1/4"	49
057PNMT38SXN	3/8"	49
057PNMT12SXN	1/2"	54

Tech Sheet 60436



## Female Thread, BSPP

0491	Thread	Length mm
057PNFP14SXN	1/4"	48
057PNFP38SXN	3/8"	48
057PNFP12SXN	1/2"	48

Tech Sheet 60436



## Hose Tail

0491	To Suit Hose ID	Length mm
057PNHT06SXN	6mm (1/4")	58
057PNHT08SXN	8mm (5/16")	58
057PNHT10SXN	10mm (3/8")	58
057PNHT13SXN	13mm (1/2")	58

Tech Sheet 60436



# 050 SERIES

kee

1

**Working Temperature:**  
-20°C to +100°C  
EPDM and Viton available on request

**Maximum Static Working Pressure:**  
35 bar



**Back body:**  
Brass (MS 58) nickel plated  
**Valve body:**  
Brass (MS 58) nickel plated  
**Sleeve:** Brass (MS 58) nickel plated  
**Spring and locking ring:**  
Stainless steel 301  
**Locking balls:** Stainless steel 301  
**Seals:** Nitrile

**Interchangeability:**  
Interchangeable with the Rectus 21 series, Rectus 90 series, Camozzi 5000.  
**Application:**  
Industrial coupling for use in instrumentation and pneumatic systems.



Actual Size

Couplings



## Couplings



### Male Thread, BSPP

0487	Thread	Length mm
050CVMP18BNN	1/8"	37
050CVMP14BNN	1/4"	38
050CVMP38BNN	3/8"	38

Tech Sheet 60437



### Panel Mount, Male Thread, BSPP

0487	Thread	Length mm
050CVMB18BNN	1/8"	45
050CVMB14BNN	1/4"	45

Tech Sheet 6043



### Quick Fit Tube Connection, with Spring Guard

0487	To Suit Tube mm	Length mm
050CVTS06BNN	4 x 6	125
050CVTS08BNN	6 x 8	130

Tech Sheet 6043



### Female Thread, BSPP

0487	Thread	Length mm
050CVFP18BNN	1/8"	37
050CVFP14BNN	1/4"	38
050CVFP38BNN	3/8"	40

Tech Sheet 6043



### Quick Fit Tube Connection

0487	To Suit Tube mm	Length mm
050CVTC06BNN	4 x 6	55
050CVTC08BNN	6 x 8	55

Tech Sheet 6043



### Push-in

0487	OD mm	Length mm
050CVPS06BNN	6	39
050CVPS08BNN	8	56

Tech Sheet 6043



### Hose Tail

0487	To Suit Hose ID	Length mm
050CVHT04BNN	4mm	47
050CVHT06BNN	6mm (1/4")	47
050CVHT08BNN	8mm (5/16")	47
050CVHT09BNN	9mm	47
050CVHT10BNN	10mm (3/8")	47

Tech Sheet 6043



### Panel Mount, Standard Hose Tail

0487	To Suit Hose ID	Length mm
050CVBH04BNN	4mm	62
050CVBH05BNN	5mm	62
050CVBH06BNN	6mm (1/4")	62
050CVBH08BNN	8mm (5/16")	62
050CVBH10BNN	10mm (3/8")	62

Tech Sheet 6043





Working Temperature:  
-20°C to +100°C

Maximum Static Working Pressure:  
35 bar



**Plug body:**  
Brass (MS 58) nickel plated

**Application:**  
Industrial coupling for use in instrumentation and pneumatic systems.

**Interchangeability:**  
Interchangeable with Rectus 21 series, Rectus 90 series, Camozzi 5000.



Actual Size



## Plugs



### Male Thread, BSPP

0487	Thread	Length mm
050PNMP18BXN	1/8"	25
050PNMP14BXN	1/4"	28
050PNMP38BXN	3/8"	28

Tech Sheet 60437



### Quick Fit Tube Connection

0487	To Suit Tube mm	Length mm
050PNTC06BXN	4 x 6	32
050PNTC08BXN	6 x 8	32

Tech Sheet 60437



### Quick Fit Tube Connection, with Spring Guard

0487	To Suit Tube mm	Length mm
050PNST06BXN	4 x 6	115
050PNST08BXN	6 x 8	120

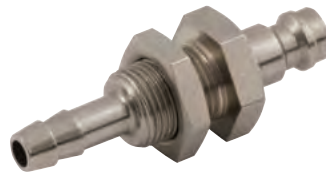
Tech Sheet 60437



### Female Thread, BSPP

0487	Thread	Length mm
050PNFP18BXN	1/8"	25
050PNFP14BXN	1/4"	27
050PNFP38BXN	3/8"	27

Tech Sheet 60437



### Panel Mount, Standard Hose Tail

0487	To Suit Hose ID	Length mm	Bulk Head mm
050PNBH04BXN	4mm	50	11
050PNBH05BXN	5mm	50	11
050PNBH06BXN	6mm (1/4")	50	11
050PNBH08BXN	8mm (5/16")	50	11
050PNBH10BXN	10mm (3/8")	50	11

Tech Sheet 60437



### Push-in

0487	OD mm	Length mm
050PNPS06BXN	6	36
050PNPS08BXN	8	43

Tech Sheet 60437



### Hose Tail

0487	To Suit Hose ID	Length mm
050PNHT04BXN	4mm	32
050PNHT06BXN	6mm (1/4")	32
050PNHT08BXN	8mm (5/16")	32
050PNHT09BXN	9mm	38
050PNHT10BXN	10mm (3/8")	32

Tech Sheet 60437

# 075 SERIES

**Working Temperature:**  
-20°C to +100°C  
EPDM and Viton available on request

**Maximum Static Working Pressure:**  
35 bar



**Back body:**  
Brass (MS 58) nickel plated  
**Valve body:**  
Brass (MS 58) nickel plated  
**Sleeve:** Steel nickel plated  
**Spring and locking ring:**  
Stainless steel 301  
**Locking balls:** Stainless steel 301  
**Seals:** Nitrile

**Plug body:** Steel nickel plated  
**Interchangeability:**  
Interchangeable with the Rectus 25 series and Cejn 320 NW 7.8.  
**Application:**  
075 series is specially suited to compressed air applications. Its compact dimensions and single-handed operation make it suitable for numerous applications.



Actual Size

## Couplings



### Male Thread, BSPT

0492	Thread	Length mm
075CVMT14SNN	1/4"	60
075CVMT38SNN	3/8"	60
075CVMT12SNN	1/2"	55

Tech Sheet 60437



### Female Thread, BSPT

0492	Thread	Length mm
075CVFP14SNN	1/4"	55
075CVFP38SNN	3/8"	55
075CVFP12SNN	1/2"	56

Tech Sheet 60437



### Hose Tail

0492	To Suit Hose ID	Length mm
075CVHT06SNN	6mm (1/4")	71
075CVHT08SNN	8mm (5/16")	71
075CVHT10SNN	10mm (3/8")	71
075CVHT13SNN	13mm (1/2")	71

Tech Sheet 60437

## Plugs



### Male Thread, BSPT

0492	Thread	Length mm
075PNMT14SXN	1/4"	37
075PNMT38SXN	3/8"	37
075PNMT12SXN	1/2"	42

Tech Sheet 60437



### Female Thread, BSPT

0492	Thread	Length mm
075PNFP14SXN	1/4"	37
075PNFP38SXN	3/8"	37
075PNFP12SXN	1/2"	37

Tech Sheet 60437



### Hose Tail

0492	To Suit Hose ID	Length mm
075PNHT06SXN	6mm (1/4")	46
075PNHT08SXN	8mm (5/16")	46
075PNHT10SXN	10mm (3/8")	48
075PNHT13SXN	13mm (1/2")	48

Tech Sheet 60437



## 19 Series SC Type P Couplings



Male Thread, BSPP

0550	Thread
20500434	1/4"
20500441	3/8"
20500442	1/2"



Female Thread, BSPP

0550	Thread
20500438	1/4"
20500439	3/8"
20500440	1/2"



Hose Tail

0550	To Suit Hose ID
20500443	1/4"
20500444	5/16"
20500445	3/8"



## 23 Series SC Type B1 Swing Couplings



Male Thread, BSPP

0551	Thread
20500314	1/4"
20500315	3/8"
20500316	1/2"



Female Thread, BSPP

0551	Thread
20500307	1/4"
20500308	3/8"
20500309	1/2"



Hose Tail

0551	To Suit Hose ID
20500320	1/4" (6mm)
20500321	5/16" (8mm)
20500322	3/8" (10mm)

## 25 &amp; 26 Series SC Type C Swing Couplings



Male Thread, BSPP

0552	Thread
20500351	1/4"
20500352	3/8"
20500353	1/2"



Female Thread, BSPP

0552	Thread
20500345	1/4"
20500346	3/8"
20500347	1/2"



Hose Tail

0552	To Suit Hose ID
20500356	5/16"
20500357	3/8"
20500358	1/2"

# SCHRADER COUPLINGS & PLUGS



**Features:**

- Twist-lock action
- Wide choice of adaptors
- Non-whip
- Rugged design

**Application:**

Twist-lock units are designed for single-handed connection and disconnection. A twist on the cap will release the adaptor and the air line will automatically reseal. When coupled, the check unit allows the adaptors to swivel, to eliminate kinking of the hose.

**Working Temperature:**  
-10°C to +80°C

**Working Pressure:**  
0 to 17 bar

## Standard-duty Couplings



**Male Thread, BSPT**

4801	Thread	Length mm
9793D-12	1/4"	55
9792D-12	3/8"	55

Tech Sheet 68771



**Female Thread, BSPP**

4801	Thread	Length mm
8952DL-12	1/4"	45

Tech Sheet 68771

## Heavy-duty Couplings



**Female Thread, BSPP**

4801	Thread	Length mm
1054EL-12	1/4"	58
1095EL-12	3/8"	58
1461EL-12	1/2"	58
1462EL-12	3/4"	63

Tech Sheet 68771

## Standard-duty Plugs



**Male Thread, BSPT**

4801	Thread	Length mm
8051B-11	1/8"	42
8050B-11	1/4"	44

Tech Sheet 68771



**Female Thread, BSPP**

4801	Thread	Length mm
2047B	1/8"	42
8278L-11	1/4"	46

Tech Sheet 68771

## Heavy-duty Plugs



**Male Thread, BSPT**

4801	Thread	Length mm
8624B-11	1/4"	48
9739-11	3/8"	48
8807-11	1/2"	54

Tech Sheet 68771



**Male Thread, BSPP**

4801	Thread	Length mm
1462B-11	3/4"	55

Tech Sheet 68771

## Hose Tail



4801	To Suit Hose ID	Length mm
8787-11	6mm (1/4")	57
9750-11	8mm (5/16")	57
8788-11	10mm (3/8")	57

Tech Sheet 68771



**Female Thread, BSPP, Non-whip**

4801	Thread	Length mm
9031	1/4"	55

Tech Sheet 68771

## Female Thread, BSPP



4801	Thread	Length mm
1261L-11	1/4"	43
1096B-11	3/8"	47

Tech Sheet 68771

## Hose Tail



4801	To Suit Hose ID	Length mm
1097-11	10mm (3/8")	71
1098-11	12mm (1/2")	71

Tech Sheet 68771

**Female Thread, BSPP, Non-whip**



4801	Thread	Length mm
9042	3/8"	57.5

Tech Sheet 68771

# FLEXIBLE JOINTS



## Flexible Connectors



**Male Thread, BSP x  
Female Thread, BSPP**

0560	Male Thread	Female Thread
FC04	1/4"	1/4"



**Male Thread, BSPT x  
Female Thread, BSPP**

0560	Male Thread	Female Thread
FE101	1/4"	1/4"

## Aluminium Swivel Connector



**Male Thread, BSPT x  
Female Thread, BSP**

0560	Male Thread	Female Thread
FS04	1/4"	1/4"



You might also need **Ring Main System**  
see **Section 5**

# QUICK COUPLINGS FOR PLASTIC INJECTION MOULDING



**Working Temperature:** -15°C to +110°C  
(when using identification collets 513 and 523)  
**Working Temperature:** 0°C to +200°C (when using  
without identification collets 513 and 523)

**Maximum Working Pressure:**  
15 bar (1.5Mpa).

These Couplings are designed to be connected with cooling systems of plastic injection mouldings. They have a particular structure that assures reduced Size and allows coupling using a single hand.

### Temperature and Pressures:

The working pressures and working temperatures depend on the type of tube used; therefore the values must be determined in accordance with the tubes features. The following values apply only to Aignep products.

- Parallel gas in conformity with ISO 228.
- Water, cooling water, oil.
- Flexible tubes in plastic and rubber.

## 410-510 DN8 Series



### 412 Straight Female Socket, BSPP

0220	Thread
412-1/4	1/4"
Tech Sheet 20602	



### 418 90° Female Socket

0220	To Suit Hose ID mm
418-08	8
418-10	10
418-12	12
Tech Sheet 20602	



### 415 Straight Female Socket with Hose Tail

0220	To Suit Hose ID mm
415-08	8
415-10	10
415-12	12
Tech Sheet 20602	



### 511 Female Plug, BSPP

0220	Thread
511-18	1/8"
511-14	1/4"
511-38	3/8"
Tech Sheet 20602	



### 416 135° Socket

0220	To Suit Hose ID mm
416-08	8
416-10	10
416-12	12
Tech Sheet 20602	



### 513 Collets to suit 511 Female Plugs

0220	Colour
513-RED	Red
513-BLUE	Blue
Tech Sheet 20602	

## 420-520 DN12 Series



### 422 Straight Female Socket, BSPP

0220	Thread
422-12	1/2"
Tech Sheet 20602	



### 425 Straight Female Socket with Hose Tail

0220	To Suit Hose ID mm
425-13	13
425-16	16
Tech Sheet 20602	



### 521 Female Plug, BSPP

0220	Thread
521-38	3/8"
521-12	1/2"
Tech Sheet 20602	



### 523 Collets, to suit 521 Female Plugs

0220	Colour
523-RED	Red
523-BLUE	Blue
Tech Sheet 20602	



# SERIES 10/11 MOLDTITE



**Working Temperature:**  
-15°C to +200°C  
Standard seal FKM

**Maximum Static Working Pressure:**  
PB 15 bar (217 PSI)  
Safety factor of 4 to 1



**Material:**  
Brass

**Application:**  
Mold coupling



Actual Size

## Couplings



### Straight Hose Tail, 9mm Profile, Valved

0194	To Suit Hose ID
2053-5613	9mm (3/8")

### Straight Hose Tail, 13mm Profile, Non-valved

0194	To Suit Hose ID
2053-5621	13mm (1/2")

### Straight Hose Tail, 13mm Profile, Valved

0194	To Suit Hose ID
2053-5639	13mm (1/2")



### 45° Hose Tail, 13mm Profile, Non-valved

0194	To Suit Hose ID
2053-5662	13mm (1/2")



### 90° Hose Tail, 9mm Profile, Valved

0194	To Suit Hose ID
2053-5696	9mm (3/8")

### 90° Hose Tail, 13mm Profile, Valved

0194	To Suit Hose ID
2053-5712	13mm (1/2")



## Non-valved, Straight Through Plugs

### Male Thread, BSPT, 9mm Profile

0194	Thread
2053-5746	1/8"
2053-5753	1/4"

### Male Thread, BSPT, 13mm Profile

0194	Thread
2053-5761	1/4"
2053-5779	3/8"

## Valved Shut-off Plug



### Male Thread, BSPT, 9mm Profile

0194	Thread
2053-5787	1/4"

### Male Thread, BSPT, 13mm Profile

0194	Thread
2053-5795	3/8"

**TYGRIS™**  
Cleaning Lubricating Protecting



For Engineering Lube Sprays  
see Section 15

# SERIES 'ST' STRAIGHT-THROUGH COUPLINGS



**Working Temperature:**  
-40°C to +100°C

**Working Pressure (PSI) Series 'ST'**

Size	Steel Plug	Brass Plug	All Stainless
1/8"	2,600	2,500	4,200
1/4"	5,500	5,200	6,700
3/8"	3,500	2,700	5,500
1/2"	2,700	2,200	-
3/4"	1,700	1,700	-

**Standard Seals:** Nitrile

Only couplings and plugs of the same size, will interchange.

**Interchangeability:** Hansen ST

## Couplings



### Brass, Male Thread, NPTF

8110	Thread	Length mm
TB1S-10	1/8"	27
TB2S-15	1/4"	44
TB3S-20	3/8"	45
TB4S-25	1/2"	52
TB6S-30	3/4"	57

Tech Sheet 535



### Stainless Steel, Male Thread, NPTF

8110	Thread	Length mm
T1S-10-303	1/8"	27
T2S-15-303	1/4"	44
T3S-20-303	3/8"	45

Tech Sheet 535



### Brass, Female Thread, NPTF

8110	Thread	Length mm
TB1S-11	1/8"	27
TB2S-16	1/4"	39
TB3S-21	3/8"	41
TB4S-26	1/2"	48
TB6S-31	3/4"	52

Tech Sheet 535



### Stainless Steel, Female Thread, NPTF

8110	Thread	Length mm
T1S-11-303	1/8"	27
T2S-16-303	1/4"	39

Tech Sheet 535

## Plugs



### Brass, Male Thread, NPTF

8110	Thread
TB1T-10	1/8"
TB2T-15	1/4"
TB3T-20	3/8"
TB4T-25	1/2"
TB6T-30	3/4"

Tech Sheet 535



### Steel, Male Thread, NPTF

8110	Thread
T1T-10	1/8"
T3T-20	3/8"
T4T-25	1/2"

Tech Sheet 535



### Stainless Steel, Male Thread, NPTF

8110	Thread
T1T-10-303	1/8"
T2T-15-303	1/4"

Tech Sheet 535



### Brass, Female Thread, NPTF

8110	Thread
TB1T-11	1/8"
TB2T-16	1/4"
TB3T-21	3/8"
TB4T-26	1/2"
TB6T-31	3/4"

Tech Sheet 535



### Steel, Female Thread, NPTF

8110	Thread
T2T-16	1/4"
T3T-21	3/8"
T6T-31	3/4"

Tech Sheet 535

# HYDRAULIC QUICK FIT COUPLINGS



## ISO A Couplings & Probes



### Couplings - Steel

0226	Size
HISO-A04	1/4"
HISO-A06	3/8"
HISO-A08	1/2"
HISO-A12	3/4"
HISO-A16	1"



### Probes - Steel

0226	Size
HISO-A04P	1/4"
HISO-A06P	3/8"
HISO-A08P	1/2"
HISO-A12P	3/4"
HISO-A16P	1"



### Coupling Seal Kit

0226	To Suit
IA12-F	1/2"
IA25-F	1"
IA32-F	1.1/4"

## ISO A Plugs & Caps



### Plugs to suit ISO A Couplings

0226	To Suit
TM12	1/2"
TMB34	3/4"



### Caps to suit ISO A Probes

0226	To Suit
TFB14	1/4"
TFB38	3/8"
TF12	1/2"
TFB34	3/4"

## ISO B Couplings & Probes



### Steel Female Carrier

0227	Size
HISO-B02	1/8"
HISO-B04	1/4"
HISO-B06	3/8"
HISO-B08	1/2"
HISO-B12	3/4"
HISO-B16	1"



### Steel Male Probe

0227	Size
HISO-B02P	1/8"
HISO-B04P	1/4"
HISO-B06P	3/8"
HISO-B08P	1/2"
HISO-B12P	3/4"
HISO-B16P	1"



### Brass Female Carrier

0227	Size
BHISO-B02	1/8"
BHISO-B04	1/4"
BHISO-B06	3/8"
BHISO-B08	1/2"
BHISO-B12	3/4"
BHISO-B16	1"



### Brass Male Probe

0227	Size
BHISO-B02P	1/8"
BHISO-B04P	1/4"
BHISO-B06P	3/8"
BHISO-B08P	1/2"
BHISO-B12P	3/4"
BHISO-B16P	1"

# HYDRAULIC QUICK FIT COUPLINGS



## ISO 16028 Flat Face Steel Couplings & Probes

 **Maximum Working Pressure:**  
350 bar



### HCP Connect Under Pressure - Flat Face Probes

0223	BSPP
HCP10-M-08G	G1/2



### ISO 16028 Flat Face Coupling - Steel

0223	Size
HISO16028FF04	1/4"
HISO16028FF06	3/8"
HISO16028FF08	1/2"
HISO16028FF12	3/4"
HISO16028FF16	1"



### ISO 16028 Flat Face Probes - Steel

0223	Size
HISO16028FF04P	1/4"
HISO16028FF06P	3/8"
HISO16028FF08P	1/2"
HISO16028FF12P	3/4"
HISO16028FF16P	1"



## ISO 16028 Flat Face Plugs & Caps



### Caps to suit Flat Face Couplings

0223	Cap For Coupling
FP7BCAP	1/4" & 3/8"
FP9DCAP	3/8" & 1/2"
FP13DCAP	1/2" A
FP13FCAP	3/4"
FP17GCAP	1"



### Caps to suit Flat Face Probes

0223	Cap For Plug
MD7BCAP	1/4" & 3/8"
MD9CCAP	3/8" & 1/2"
MD13DCAP	1/2" A
MD13FCAP	3/4"
MD17GCAP	1"



## ISO A Interchange

Other seals available on request



## 316 Stainless Steel ISO A Coupling with Viton Seals, BSPP

8111	Thread	Max Pressure Bar
HFSSFC7314-V	1/4"	250
HFSSFC7338-V	3/8"	200
HFSSFC7312-V	1/2"	200
HFSSFC7334-V	3/4"	160
HFSSFC7310-V	1"	125

Tech Sheet 10002

 Working Temperature: -25°C to +120°C Nitrile  
-25°C to +175°C Viton


## 316 Stainless Steel ISO A Plug with Viton Seals, BSPP

8111	Thread	Max Pressure Bar
HFSSFP7314-V	1/4"	250
HFSSFP7338-V	3/8"	200
HFSSFP7312-V	1/2"	200
HFSSFP7334-V	3/4"	160
HFSSFP7310-V	1"	125

Tech Sheet 10002

## 316 Stainless Steel ISO A Coupling with Nitrile Seals, NPT

8111	Thread	Max Pressure Bar
HKSA04SS-NPT	1/4"	250
HKSA06SS-NPT	3/8"	200
HKSA08SS-NPT	1/2"	200
HKSA12SS-NPT	3/4"	160
HKSA16SS-NPT	1"	125

Tech Sheet 10002

## 316 Stainless Steel ISO A Plug with Nitrile Seals, NPT

8111	Thread	Max Pressure Bar
HKPA04SS-NPT	1/4"	250
HKPA06SS-NPT	3/8"	200
HKPA08SS-NPT	1/2"	200
HKPA12SS-NPT	3/4"	160
HKPA16SS-NPT	1"	125

Tech Sheet 10002

## ISO B INTERCHANGE COUPLINGS &amp; PLUGS

## ISO B Interchange

Other seals available on request



## 316 Stainless Steel ISO B Coupling with Nitrile Seal, BSPP

0249	Thread	Max Pressure Bar
HKS02SS	1/8"	250
HKS04SS	1/4"	250
HKS06SS	3/8"	200
HKS08SS	1/2"	200
HKS12SS	3/4"	160
HKS16SS	1"	125

Tech Sheet 10003

 Working Temperature: -25°C to +120°C Nitrile  
-25°C to +175°C Viton


## 316 Stainless Steel ISO B Plug with Nitrile Seal, BSPP

0249	Thread	Max Pressure Bar
HKP02SS	1/8"	250
HKP04SS	1/4"	250
HKP06SS	3/8"	200
HKP08SS	1/2"	200
HKP12SS	3/4"	160
HKP16SS	1"	125

Tech Sheet 10003

## 316 Stainless Steel ISO B Coupling with Nitrile Seal, NPT

8111	Thread	Max Pressure Bar
HKS04SS-NPT	1/4"	250
HKS06SS-NPT	3/8"	200
HKS08SS-NPT	1/2"	200
HKS12SS-NPT	3/4"	160
HKS16SS-NPT	1"	125

Tech Sheet 10003

## 316 Stainless Steel ISO B Plug with Nitrile Seal, NPT

8111	Thread	Max Pressure Bar
HKP04SS-NPT	1/4"	250
HKP06SS-NPT	3/8"	200
HKP08SS-NPT	1/2"	200
HKP12SS-NPT	3/4"	160
HKP16SS-NPT	1"	125

Tech Sheet 10003

## 316 Stainless Steel ISO B Coupling with Viton Seal, BSPP

0249	Thread	Max Pressure Bar
HKS02SS-V	1/8"	250
HKS04SS-V	1/4"	250
HKS06SS-V	3/8"	200
HKS08SS-V	1/2"	200
HKS12SS-V	3/4"	160
HKS16SS-V	1"	125

Tech Sheet 10003

## 316 Stainless Steel ISO B Plug with Viton Seal, BSPP

0249	Thread	Max Pressure Bar
HKP02SS-V	1/8"	250
HKP04SS-V	1/4"	250
HKP06SS-V	3/8"	200
HKP08SS-V	1/2"	200
HKP12SS-V	3/4"	160
HKP16SS-V	1"	125

Tech Sheet 10003



# HYDRAULIC QUICK RELEASE COUPLINGS



## PAVX Series, ISO A Stainless Steel Couplings

Working Temperature:  
-25°C to +200°C Viton

Maximum Working Pressure:  
450 bar

Standard: ISO 7241-1 A  
Occlusion: Poppet  
Locking: Radial balls  
Material: Stainless steel AISI 316

Available Threads: BSP, NPT  
Standard Seals: Viton  
Optional Seals: FFKM, EPDM  
Connection Under Pressure: Not allowed



### Coupling, BSPP

0457	Thread	ISO	Max Pressure Bar
PAVX.0606.002	1/4"	6.3	450
PAVX.1010.002	3/8"	10	300
PAVX.1313.002	1/2"	12.5	300
PAVX.2019.002	3/4"	20	250
PAVX.2525.002	1"	25	200
PAVX.3031.002	1.1/4"	31.5	100
PAVX.3939.002	1.1/2"	40	80
PAVX.5051.002	2"	50	60

Tech Sheet 20474

### Plug, BSPP

0457	Thread	ISO	Max Pressure Bar
PAVX.0606.003	1/4"	6.3	450
PAVX.1010.003	3/8"	10	300
PAVX.1313.003	1/2"	12.5	300
PAVX.2019.003	3/4"	19	250
PAVX.2525.003	1"	25	200
PAVX.3031.003	1.1/4"	31.5	100
PAVX.3939.003	1.1/2"	40	80
PAVX.5051.003	2"	50	60

Tech Sheet 20474

# HYDRAULIC QUICK RELEASE COUPLINGS



## PBVX Series, ISO B Stainless Steel Couplings

Working Temperature:  
-25°C to +200°C

Maximum Working Pressure:  
400 bar

Standard: ISO 7241-1 B  
Occlusion: Poppet  
Locking: Radial balls  
Material: Stainless steel AISI 316

Available Threads: BSP, NPT  
Standard Seals: Viton  
Optional Seals: FFKM, EPDM  
Connection Under Pressure: Not allowed



### Coupling, BSPP

0457	Thread	ISO	Max Pressure Bar
PBVX.0404.002	1/8"	5	400
PBVX.0606.002	1/4"	6.3	350
PBVX.1010.002	3/8"	10	300
PBVX.1313.002	1/2"	12.5	300
PBVX.2019.002	3/4"	20	220
PBVX.2525.002	1"	25	200
PBVX.3931.002	1.1/4"	40	80
PBVX.3939.002	1.1/2"	40	80
PBVX.5051.002	2"	50	60

Tech Sheet 20478

### Plug, BSPP

0457	Thread	ISO	Max Pressure Bar
PBVX.0404.003	1/8"	5	400
PBVX.0606.003	1/4"	6.3	350
PBVX.1010.003	3/8"	10	300
PBVX.1313.003	1/2"	12.5	300
PBVX.2019.003	3/4"	20	220
PBVX.2525.003	1"	25	200
PBVX.3931.003	1.1/4"	40	80
PBVX.3939.003	1.1/2"	40	80
PBVX.5051.003	2"	50	60

Tech Sheet 20478



# HYDRAULIC QUICK RELEASE COUPLINGS

stainless  
steel



## PLTX Series, ISO 16028 Flat Face Couplings, Stainless Steel

**Standard:** ISO 16028  
**Occlusion:** Flat face  
**Locking:** Radial balls  
**Material:** Stainless steel AISI 316

**Available Threads:** BSP, NPT, SAE  
**Standard Seals:** Viton  
**Optional Seals:** EPDM, FFKM  
**Connection Under Pressure:** Not allowed

**Working Temperature:**  
-25°C to +100°C

**Maximum Working Pressure:** 350 bar



### Coupling, BSPP

0457	Thread	ISO	Max Pressure Bar
PLTX.0606.112	1/4"	6.3	400
PLTX.1310.112	3/8"	10	250
PLTX.1313.112	1/2"	10	250
PLTX.2013.112	1/2"	12.5	250
PLTX.2019.112	3/4"	12.5	250
PLTX.2519.112	3/4"	19	250
PLTX.2525.112	1"	19	250
PLTX.3031.112	1.1/4"	25	250
PLTX.3939.112	1.1/2"	40	150
PLTX.5051.112	2"	50	100

Tech Sheet 20483

### Plug, BSPP

0457	Thread	ISO	Max Pressure Bar
PLTX.0606.113	1/4"	6.3	400
PLTX.1310.113	3/8"	10	250
PLTX.1313.113	1/2"	10	250
PLTX.2013.113	1/2"	12.5	250
PLTX.2019.113	3/4"	12.5	250
PLTX.2519.113	3/4"	19	250
PLTX.2525.113	1"	19	250
PLTX.3031.113	1.1/4"	25	250
PLTX.3939.113	1.1/2"	40	150
PLTX.5051.113	2"	50	100

Tech Sheet 20483

## PLSX Series, Flat Face, Stainless Steel

**Interchange:** Snap-Tite 71  
**Occlusion:** Flat face  
**Locking:** Radial balls  
**Material:** Stainless steel AISI 316

**Available Threads:** BSP, NPT  
**Standard Seals:** Viton  
**Optional Seals:** FFKM, EPDM  
**Connection Under Pressure:** Not allowed

**Working Temperature:**  
-25°C to +100°C

**Maximum Working Pressure:** 350 bar



### Coupling, BSPP

0457	Thread	ISO	Max Pressure Bar
PLSX.0606.112	1/4"	6.3	350
PLSX.1010.112	3/8"	10	350
PLSX.1013.112	1/2"	10	350
PLSX.1313.112	1/2"	12.5	350
PLSX.2019.112	3/4"	19	350
PLSX.2525.112	1"	25	350
PLSX.2531.112	1.1/4"	25	350

Tech Sheet 20485

### Plug, BSPP

0457	Thread	ISO	Max Pressure Bar
PLSX.0606.113	1/4"	6.3	350
PLSX.1010.113	3/8"	10	350
PLSX.1013.113	1/2"	10	350
PLSX.1313.113	1/2"	12.5	350
PLSX.2019.113	3/4"	19	350
PLSX.2525.113	1"	25	350
PLSX.2531.113	1.1/4"	25	350

Tech Sheet 20485

## PLS1 Series, Flat Face

**Material:** Steel  
**Finishing:** Zn-Fe (Cr III)  
**Available Threads:** BSP, NPT, SAE

**Standard Seals:** Nitrile  
**Optional Seals:** Viton, EPDM  
**Connection Under Pressure:** Not allowed



### Coupling, BSPP

0457	Thread	ISO	Max Pressure Bar
PLS1.0606.112	1/4"	6.3	350
PLS1.1010.112	3/8"	10	350
PLS1.1013.112	1/2"	10	350
PLS1.1313.112	1/2"	12.5	350
PLS1.2019.112	3/4"	19	350
PLS1.2525.112	1"	25	350
PLS1.2531.112	1.1/4"	25	350

Tech Sheet 20484

### Plug, BSPP

0457	Thread	ISO	Max Pressure Bar
PLS1.0606.113	1/4"	6.3	350
PLS1.1010.113	3/8"	10	350
PLS1.1013.113	1/2"	10	350
PLS1.1313.113	1/2"	12.5	350
PLS1.2019.113	3/4"	19	350
PLS1.2525.113	1"	25	350
PLS1.2531.113	1.1/4"	25	350

Tech Sheet 20484

## ISO 16028 Flat Face Protection Caps & Plugs

### Plug for Coupling

### Cap for Plug



### Plug for Coupling

0457	To Suit	Material
SPLT.06002	ISO 6.3	Plastic
SPLT.13002	ISO 10	Plastic
SPLT.20002	ISO 12.5	Plastic
SPLT.25002	ISO 19	Plastic
SPLT.30002	ISO 25	Plastic
SPLT.39202	ISO 40	Aluminium

### Cap for Plug

0457	To Suit	Material
SPLT.06003	ISO 6.3	Plastic
SPLT.13003	ISO 10	Plastic
SPLT.20003	ISO 12.5	Plastic
SPLT.25003	ISO 19	Plastic
SPLT.30003	ISO 25	Plastic
SPLT.39203	ISO 40	Aluminium

## ISO 16028 Automatic Caps



### Cap for Coupling

0457	To Suit	Colour
SPLT.13302	ISO 10	Red
SPLT.13342	ISO 10	Black
SPPV.13302	ISO 12.5	Black
SPPV.13312	ISO 12.5	Black
SPPV.13322	ISO 12.5	Yellow
SPPV.13332	ISO 12.5	Green
SPPV.13342	ISO 12.5	Red

Tech Sheet 20483

# H SERIES

stainless steel



1



Couplings



## 316 Stainless Steel Couplings



### BSPP, Valved

0067	Thread	Max Pressure Bar
SVHC4-4RP	1/4"	345
SVHC6-6RP	3/8"	280
SVHC8-8RP	1/2"	260
SVHC12-12RP	3/4"	140
SVHC16-16RP	1"	140
SVHC24-24RP	1.1/2"	105
SVHC32-32RP	2"	35

Tech Sheet 1336

### BSPP, Unvalved

0067	Thread	Max Pressure Bar
SPHC4-4RP	1/4"	690
SPHC6-6RP	3/8"	555
SPHC8-8RP	1/2"	555
SPHC12-12RP	3/4"	485

Tech Sheet 1336

## 316 Stainless Steel Plugs



### BSPP, Valved

0067	Thread
SVHN4-4RP	1/4"
SVHN6-6RP	3/8"
SVHN8-8RP	1/2"
SVHN12-12RP	3/4"
SVHN16-16RP	1"
SVHN20-20RP	1.1/4"
SVHN24-24RP	1.1/2"
SVHN32-32RP	2"

Tech Sheet 1336

### BSPP, Unvalved

0067	Thread
SPHN4-4RP	1/4"
SPHN6-6RP	3/8"
SPHN8-8RP	1/2"
SPHN12-12RP	3/4"
SPHN16-16RP	1"
SPHN24-24RP	1.1/2"
SPHN32-32RP	2"

Tech Sheet 1336

# SERIES 71



The Series 71 has been designed to eliminate fluid loss and air inclusion. The dirt tolerant, heavy-duty construction withstands abusive treatment.



### Flush Face/Dry Break 316 Valved, BSPP

0067	Thread	Max Pressure Bar
S71-3C4-4RP	1/4"	345
S71-3C6-6RP	3/8"	345
S71-3C8-8RP	1/2"	345
S71-3C12-12RP	3/4"	345
S71-3C16-16RP	1"	280

Tech Sheet 612



### Flush Face/Dry Break 316 Valved, BSPP

0067	Thread
S71-3N4-4RP	1/4"
S71-3N6-6RP	3/8"
S71-3N8-8RP	1/2"
S71-3N12-12RP	3/4"
S71-3N16-16RP	1"

Tech Sheet 612

# 812 SERIES QUICK ACTION COUPLINGS

 **Working Temperature:**  
-20°C to +100°C

 **Maximum Working Pressure:**  
75 bar

**Back body:** Mild steel (zinc plated)  
**Valve body:** Mild steel (zinc plated)  
**Sleeve:** Mild steel (zinc plated)  
**Spring:** Stainless steel  
**Seals:** Nitrile

**Plug body:** Mild steel (zinc plated)  
**Interchangeability:**  
Dixon Europe  
Macdonald Couplings

**Applications:** Standard quick action couplings are bayonet style couplings which are used in pairs. A pair of couplings comprises a female and male coupling which are connected together by a push and quarter turn. Once connected, the spring-loaded sleeve of the male coupling prevents accidental disconnection. Used on compressed air, nitrogen and low pressure steam lines in oil refineries, chemical and industrial plants to ensure maximum safety of operation.



Actual Size

## Couplings



### OF Type, Male, BSPT

0509	Thread	Length mm
812CNMT38SNZ	3/8"	61
812CNMT12SNZ	1/2"	61
812CNMT34SNZ	3/4"	61
812CNMT01SNZ	1"	61

Tech Sheet 68000



### IF Type, Female, BSPT

0509	Thread	Length mm
812CNFP38SNZ	3/8"	48
812CNFP12SNZ	1/2"	48
812CNFP34SNZ	3/4"	50
812CNFP01SNZ	1"	57

Tech Sheet 68000



### HF Type, Hose Tail

0509	To Suit Hose ID	Length mm
812CNHT10SNZ	3/8"	81
812CNHT13SNZ	1/2"	81
812CNHT19SNZ	3/4"	88
812CNHT25SNZ	1"	95

Tech Sheet 68000

## Plugs



### OM Type, Male, BSPT

0509	Thread	Length mm
812PNMT38SNZ	3/8"	87
812PNMT12SNZ	1/2"	87
812PNMT34SNZ	3/4"	87
812PNMT01SNZ	1"	87

Tech Sheet 68000



### IM Type, Female, BSPT

0509	Thread	Length mm
812PNFP38SNZ	3/8"	74
812PNFP12SNZ	1/2"	74
812PNFP34SNZ	3/4"	76
812PNFP01SNZ	1"	83

Tech Sheet 68000



### HM Type, Hose Tail

0509	To Suit Hose ID	Length mm
812PNHT10SNZ	3/8"	106
812PNHT13SNZ	1/2"	106
812PNHT19SNZ	3/4"	114
812PNHT25SNZ	1"	120

Tech Sheet 68000

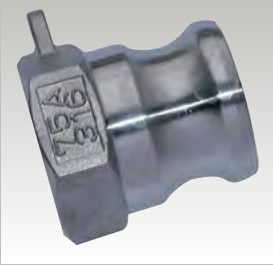
# Cam & Groove Quick Couplings



Aluminium



Stainless Steel



Brass



Polypropylene



## Aluminium Couplings

## A



## Female Threaded Plug, BSPP

0060	Thread
A12-AU	1/2"
A34-AU	3/4"
A1-AU	1"
A114-AU	1.1/4"
A112-AU	1.1/2"
A2-AU	2"
A212-AU	2.1/2"
A3-AU	3"
A4-AU	4"
A6-AU	6"

Tech Sheet 532

## Female Threaded Plug, NPT

0060	Thread
A12-AU-NPT	1/2"
A34-AU-NPT	3/4"
A1-AU-NPT	1"
A114-AU-NPT	1.1/4"
A112-AU-NPT	1.1/2"
A2-AU-NPT	2"
A212-AU-NPT	2.1/2"
A3-AU-NPT	3"
A4-AU-NPT	4"

Tech Sheet 532

## B



## Male Threaded Lever Coupling, BSPP

0060	Thread
B12-AU	1/2"
B34-AU	3/4"
B1-AU	1"
B114-AU	1.1/4"
B112-AU	1.1/2"
B2-AU	2"
B212-AU	2.1/2"
B3-AU	3"
B4-AU	4"

Tech Sheet 532

## Male Threaded Lever Coupling, NPT

0060	Thread
B34-AU-NPT	3/4"
B1-AU-NPT	1"
B114-AU-NPT	1.1/4"
B112-AU-NPT	1.1/2"
B2-AU-NPT	2"
B212-AU-NPT	2.1/2"
B3-AU-NPT	3"
B4-AU-NPT	4"

Tech Sheet 532

## C



## Hose Tail Lever Coupling

0060	Body
C12-AU	1/2"
C34-AU	3/4"
C1-AU	1"
C114-AU	1.1/4"
C112-AU	1.1/2"
C2-AU	2"
C212-AU	2.1/2"
C3-AU	3"
C4-AU	4"
C6-AU	6"

Tech Sheet 532

## D



## Female Lever Coupling, BSPP

0060	Thread
D12-AU	1/2"
D34-AU	3/4"
D1-AU	1"
D114-AU	1.1/4"
D112-AU	1.1/2"
D2-AU	2"
D212-AU	2.1/2"
D3-AU	3"
D4-AU	4"
D6-AU	6"

Tech Sheet 532

## Female Lever Coupling, NPT

0060	Thread
D12-AU-NPT	1/2"
D34-AU-NPT	3/4"
D1-AU-NPT	1"
D114-AU-NPT	1.1/4"
D112-AU-NPT	1.1/2"
D2-AU-NPT	2"
D212-AU-NPT	2.1/2"
D3-AU-NPT	3"
D4-AU-NPT	4"
D6-AU-NPT	6"

Tech Sheet 532

## Dust Plug



0060	Body
DP12-AU	1/2"
DP34-AU	3/4"
DP1-AU	1"
DP114-AU	1.1/4"
DP112-AU	1.1/2"
DP2-AU	2"
DP212-AU	2.1/2"
DP3-AU	3"
DP4-AU	4"
DP6-AU	6"

Tech Sheet 532

## Lever Stop



0060	Body
DC12-AU	1/2"
DC34-AU	3/4"
DC1-AU	1"
DC114-AU	1.1/4"
DC112-AU	1.1/2"
DC2-AU	2"
DC212-AU	2.1/2"
DC3-AU	3"
DC4-AU	4"
DC6-AU	6"

Tech Sheet 532

## E



## Hose Tail

0060	Body
E12-AU	1/2"
E34-AU	3/4"
E1-AU	1"
E114-AU	1.1/4"
E112-AU	1.1/2"
E2-AU	2"
E212-AU	2.1/2"
E3-AU	3"
E4-AU	4"
E6-AU	6"

Tech Sheet 532

## F



## Male Threaded Plug, BSPP

0060	Thread
F12-AU	1/2"
F34-AU	3/4"
F1-AU	1"
F114-AU	1.1/4"
F112-AU	1.1/2"
F2-AU	2"
F212-AU	2.1/2"
F3-AU	3"
F4-AU	4"
F6-AU	6"

Tech Sheet 532

## Male Threaded Plug, NPT

0060	Thread
F12-AU-NPT	1/2"
F34-AU-NPT	3/4"
F1-AU-NPT	1"
F114-AU-NPT	1.1/4"
F112-AU-NPT	1.1/2"
F2-AU-NPT	2"
F212-AU-NPT	2.1/2"
F3-AU-NPT	3"
F4-AU-NPT	4"
F6-AU-NPT	6"

Tech Sheet 532

# CAM & GROOVE QUICK COUPLINGS

stainless steel



1



## 316 Stainless Steel Couplings

See page 86 for spare seals.

### A



#### Female Threaded Plug, BSPP

0060	Thread
A12-SS	1/2"
A34-SS	3/4"
A1-SS	1"
A114-SS	1.1/4"
A112-SS	1.1/2"
A2-SS	2"
A212-SS	2.1/2"
A3-SS	3"
A4-SS	4"
A6-SS	6"

Tech Sheet 532

#### Female Threaded Plug, NPT

0060	Thread
A12-SS-NPT	1/2"
A34-SS-NPT	3/4"
A1-SS-NPT	1"
A114-SS-NPT	1.1/4"
A112-SS-NPT	1.1/2"
A2-SS-NPT	2"
A212-SS-NPT	2.1/2"
A3-SS-NPT	3"
A4-SS-NPT	4"

Tech Sheet 532

### B



#### Male Threaded Lever Coupling, BSPT

0060	Thread
B12-SS	1/2"
B34-SS	3/4"
B1-SS	1"
B114-SS	1.1/4"
B112-SS	1.1/2"
B2-SS	2"
B212-SS	2.1/2"
B3-SS	3"
B4-SS	4"

Tech Sheet 532

#### Male Threaded Lever Coupling, NPT

0060	Thread
B12-SS-NPT	1/2"
B34-SS-NPT	3/4"
B1-SS-NPT	1"
B114-SS-NPT	1.1/4"
B112-SS-NPT	1.1/2"
B2-SS-NPT	2"
B3-SS-NPT	3"
B4-SS-NPT	4"

Tech Sheet 532

### C



#### Hose Tail Lever Coupling

0060	Body
C12-SS	1/2"
C34-SS	3/4"
C1-SS	1"
C114-SS	1.1/4"
C112-SS	1.1/2"
C2-SS	2"
C212-SS	2.1/2"
C3-SS	3"
C4-SS	4"

Tech Sheet 532

### D



#### Female Lever Coupling, BSPP

0060	Thread
D12-SS	1/2"
D34-SS	3/4"
D1-SS	1"
D114-SS	1.1/4"
D112-SS	1.1/2"
D2-SS	2"
D212-SS	2.1/2"
D3-SS	3"
D4-SS	4"

Tech Sheet 532

#### Female Lever Coupling, NPT

0060	Thread
D12-SS-NPT	1/2"
D34-SS-NPT	3/4"
D1-SS-NPT	1"
D114-SS-NPT	1.1/4"
D112-SS-NPT	1.1/2"
D2-SS-NPT	2"
D212-SS-NPT	2.1/2"
D3-SS-NPT	3"
D4-SS-NPT	4"

Tech Sheet 532

#### Dust Plug



0060	Body
DP12-SS	1/2"
DP34-SS	3/4"
DP1-SS	1"
DP112-SS	1.1/2"
DP2-SS	2"
DP212-SS	2.1/2"
DP3-SS	3"

Tech Sheet 532

#### Lever Stop



0060	Body
DC34-SS	3/4"
DC1-SS	1"
DC114-SS	1.1/4"
DC112-SS	1.1/2"
DC2-SS	2"
DC3-SS	3"
DC4-SS	4"

Tech Sheet 532

### E



#### Hose Tail

0060	Thread
E12-SS	1/2"
E34-SS	3/4"
E1-SS	1"
E114-SS	1.1/4"
E112-SS	1.1/2"
E2-SS	2"
E212-SS	2.1/2"
E3-SS	3"
E4-SS	4"

Tech Sheet 532

### F



#### Male Threaded Plug, BSPT

0060	Thread
F12-SS	1/2"
F34-SS	3/4"
F1-SS	1"
F114-SS	1.1/4"
F112-SS	1.1/2"
F2-SS	2"
F212-SS	2.1/2"
F3-SS	3"
F4-SS	4"

Tech Sheet 532

#### Male Threaded Plug, NPT

0060	Body
F12-SS-NPT	1/2"
F34-SS-NPT	3/4"
F1-SS-NPT	1"
F114-SS-NPT	1.1/4"
F112-SS-NPT	1.1/2"
F2-SS-NPT	2"
F212-SS-NPT	2.1/2"
F3-SS-NPT	3"
F4-SS-NPT	4"

Tech Sheet 532

Couplings



Please note: 1/2" sizes are only supplied with one locking arm.



## Polypropylene Couplings



## A

### Female Threaded Plug, BSPP

0060	Thread
A12-PP	1/2"
A34-PP	3/4"
A1-PP	1"
A114-PP	1.1/4"
A112-PP	1.1/2"
A2-PP	2"
A3-PP	3"
A4-PP	4"
Tech Sheet 532	

### Female Threaded Plug, NPT

0060	Thread
A12/34-PP-NPT	1/2"
A34-PP-NPT	3/4"
A1-PP-NPT	1"
A114-PP-NPT	1.1/4"
A112-PP-NPT	1.1/2"
A2-PP-NPT	2"
A3-PP-NPT	3"
A4-PP-NPT	4"
Tech Sheet 532	



## B

### Male Threaded Lever Coupling, BSPP

0060	Thread
B12-PP	1/2"
B34-PP	3/4"
B1-PP	1"
B114-PP	1.1/4"
B112-PP	1.1/2"
B2-PP	2"
B3-PP	3"
Tech Sheet 532	

### Male Threaded Lever Coupling, NPT

0060	Thread
B12/34-PP-NPT	1/2"
B34-PP-NPT	3/4"
B1-PP-NPT	1"
B114-PP-NPT	1.1/4"
B112-PP-NPT	1.1/2"
B2-PP-NPT	2"
B3-PP-NPT	3"
B4-PP-NPT	4"
Tech Sheet 532	

## C

### Hose Tail Lever Coupling

0060	Body
C12-PP	1/2"
C34-PP	3/4"
C1-PP	1"
C114-PP	1.1/4"
C112-PP	1.1/2"
C2-PP	2"
C3-PP	3"
C4-PP	4"
Tech Sheet 532	



## D

### Female Lever Coupling, BSPP

0060	Thread
D12-PP	1/2"
D34-PP	3/4"
D1-PP	1"
D114-PP	1.1/4"
D112-PP	1.1/2"
D2-PP	2"
D3-PP	3"
D4-PP	4"
Tech Sheet 532	



### Female Lever Coupling, NPT

0060	Thread
D12/34-PP-NPT	1/2"
D34-PP-NPT	3/4"
D1-PP-NPT	1"
D114-PP-NPT	1.1/4"
D112-PP-NPT	1.1/2"
D2-PP-NPT	2"
D3-PP-NPT	3"
D4-PP-NPT	4"
Tech Sheet 532	

### Dust Plug

0060	Body
DP34-PP	3/4"
DP1-PP	1"
DP114-PP	1.1/4"
DP112-PP	1.1/2"
DP2-PP	2"
DP3-PP	3"
Tech Sheet 532	



### Lever Stop

0060	Body
DC34-PP	3/4"
DC1-PP	1"
DC114-PP	1.1/4"
DC112-PP	1.1/2"
DC2-PP	2"
DC3-PP	3"
Tech Sheet 532	

## E

### Hose Tail

0060	Body
E12-PP	1/2"
E34-PP	3/4"
E1-PP	1"
E114-PP	1.1/4"
E112-PP	1.1/2"
E2-PP	2"
E3-PP	3"
E4-PP	4"
Tech Sheet 532	



## F

### Male Threaded Plug, BSPP

0060	Thread
F12-PP	1/2"
F34-PP	3/4"
F1-PP	1"
F114-PP	1.1/4"
F112-PP	1.1/2"
F2-PP	2"
F3-PP	3"
F4-PP	4"
Tech Sheet 532	



### Male Threaded Plug, NPT

0060	Thread
F12/34-PP-NPT	1/2"
F34-PP-NPT	3/4"
F1-PP-NPT	1"
F112-PP-NPT	1.1/2"
F2-PP-NPT	2"
F3-PP-NPT	3"
F4-PP-NPT	4"
Tech Sheet 532	

# CAM & GROOVE QUICK COUPLINGS



## Brass Couplings

See page 86 for spare seals.

### A

#### Female Threaded Plug, BSPP



0060	Thread
A12-BR	1/2"
A34-BR	3/4"
A1-BR	1"
A114-BR	1.1/4"
A112-BR	1.1/2"
A2-BR	2"
A212-BR	2.1/2"
A3-BR	3"
A4-BR	4"
Tech Sheet 532	

#### Female Threaded Plug, NPT

0060	Thread
A12-BR-NPT	1/2"
A34-BR-NPT	3/4"
A1-BR-NPT	1"
A112-BR-NPT	1.1/2"
A2-BR-NPT	2"
A212-BR-NPT	2.1/2"
A3-BR-NPT	3"
A4-BR-NPT	4"
A5-BR-NPT	5"
A6-BR-NPT	6"
Tech Sheet 532	

### B

#### Male Threaded Lever Coupling, BSPT



0060	Thread
B12-BR	1/2"
B34-BR	3/4"
B1-BR	1"
B114-BR	1.1/4"
B112-BR	1.1/2"
B2-BR	2"
B212-BR	2.1/2"
B3-BR	3"
B4-BR	4"
Tech Sheet 532	

#### Male Threaded Lever Coupling, NPT

0060	Thread
B12-BR-NPT	1/2"
B34-BR-NPT	3/4"
B1-BR-NPT	1"
B114-BR-NPT	1.1/4"
B112-BR-NPT	1.1/2"
B2-BR-NPT	2"
B212-BR-NPT	2.1/2"
B3-BR-NPT	3"
B4-BR-NPT	4"
B6-BR-NPT	6"
Tech Sheet 532	

### C

#### Hose Tail Lever Coupling



0060	Body
C12-BR	1/2"
C34-BR	3/4"
C1-BR	1"
C114-BR	1.1/4"
C112-BR	1.1/2"
C2-BR	2"
C212-BR	2.1/2"
C3-BR	3"
C4-BR	4"
Tech Sheet 532	

### D

#### Female Lever Coupling, BSPP



0060	Thread
D12-BR	1/2"
D34-BR	3/4"
D1-BR	1"
D114-BR	1.1/4"
D112-BR	1.1/2"
D2-BR	2"
D212-BR	2.1/2"
D3-BR	3"
D4-BR	4"
Tech Sheet 532	

#### Female Lever Coupling, NPT

0060	Thread
D12-BR-NPT	1/2"
D34-BR-NPT	3/4"
D1-BR-NPT	1"
D114-BR-NPT	1.1/4"
D112-BR-NPT	1.1/2"
D2-BR-NPT	2"
D212-BR-NPT	2.1/2"
D3-BR-NPT	3"
D4-BR-NPT	4"
D5-BR-NPT	5"
D6-BR-NPT	6"
Tech Sheet 532	

#### Dust Plug



0060	Body
DP12-BR	1/2"
DP1-BR	1"
DP114-BR	1.1/4"
DP112-BR	1.1/2"
DP2-BR	2"
DP212-BR	2.1/2"
DP3-BR	3"
DP4-BR	4"
DP6-BR	6"
Tech Sheet 532	

#### Lever Stop



0060	Body
DC12-BR	1/2"
DC1-BR	1"
DC112-BR	1.1/2"
DC2-BR	2"
DC212-BR	2.1/2"
DC3-BR	3"
DC6-BR	6"
Tech Sheet 532	

### E

#### Hose Tail



0060	Body
E12-BR	1/2"
E34-BR	3/4"
E1-BR	1"
E114-BR	1.1/4"
E112-BR	1.1/2"
E2-BR	2"
E212-BR	2.1/2"
E3-BR	3"
E4-BR	4"
Tech Sheet 532	

### F

#### Male Threaded Plug, BSPT



0060	Thread
F12-BR	1/2"
F34-BR	3/4"
F1-BR	1"
F114-BR	1.1/4"
F112-BR	1.1/2"
F2-BR	2"
F212-BR	2.1/2"
F3-BR	3"
F4-BR	4"
F6-BR	6"
Tech Sheet 532	

#### Male Threaded Plug, NPT

0060	Thread
F12-BR-NPT	1/2"
F1-BR-NPT	1"
F114-BR-NPT	1.1/4"
F112-BR-NPT	1.1/2"
F2-BR-NPT	2"
F212-BR-NPT	2.1/2"
F3-BR-NPT	3"
F4-BR-NPT	4"
Tech Sheet 532	



Please note: 1/2" sizes are only supplied with one locking arm.

## Brass Couplings

Same as original C series, but with extended tail.



## Extended Hose Tail Lever Coupling

0060	Body	Length mm
CO-C2-BR	2"	138
CO-C3-BR	3"	164
CO-C4-BR	4"	175

Tech Sheet 532

Same as original E series, but with extended tail.



## Extended Hose Tail

0060	Body	Length mm
CO-E2-BR	2"	140
CO-E3-BR	3"	170
CO-E4-BR	4"	182

Tech Sheet 532

You might also need...



**10 bar Water Suction Hose**  
see **Section 7**

## Cam & Groove Seals

Seals suitable for cam and groove quick couplings.



### Viton Seals

0060	To Suit Coupling Size
VITON-12	1/2"
VITON-34	3/4"
VITON-1	1"
VITON-114	1.1/4"
VITON-112	1.1/2"
VITON-2	2"
VITON-212	2.1/2"
VITON-3	3"

### EPDM Seals

0060	To Suit Coupling Size
EPDM-12	1/2"
EPDM-34	3/4"
EPDM-1	1"
EPDM-114	1.1/4"
EPDM-112	1.1/2"
EPDM-2	2"
EPDM-212	2.1/2"
EPDM-3	3"
EPDM-4	4"

### Buna Seals

0060	To Suit Coupling Size
BUNA-12	1/2"
BUNA-34	3/4"
BUNA-1	1"
BUNA-114	1.1/4"
BUNA-112	1.1/2"
BUNA-2	2"
BUNA-212	2.1/2"
BUNA-3	3"
BUNA-4	4"
BUNA-6	6"

Tech Sheet 20356

## PTFE Seals



0060	To Suit Coupling Size
PTFE-12	1/2"
PTFE-34	3/4"
PTFE-1	1"
PTFE-114	1.1/4"
PTFE-112	1.1/2"
PTFE-2	2"
PTFE-212	2.1/2"
PTFE-3	3"

## Stainless Arm, Pin & Ring



## Spare Arm, Pin & Ring for Cam & Groove Couplings

0060	To Suit Coupling Size
CGS-12-34	1/2" & 3/4"
CGS-1	1"
CGS-114-212	1.1/4" & 2.1/2"
CGS-3-4	3" & 4"

## Chain & Ring for Cam Lock Caps



0060	Description
BRC6	6" Brass
SSC6	6" Stainless Steel
BRC12	12" Brass
SSC12	12" Stainless Steel

# STORZ DIN SUCTION COUPLINGS



## Adaptors



### Female, BSPP, Aluminium

0148	Storz Size	Thread	Ka
SZ-21-031050-10	25-D	1/2"	31
SZ-21-031075-10	25-D	3/4"	31
SZ-21-031100-10	25-D	1"	31
SZ-21-044100-10	32	1"	44
SZ-21-044125-10	32	1.1/4"	44
SZ-21-051150-10	38	1.1/2"	51
SZ-21-051200-10	38	2"	51
SZ-21-066100-15	52-C	1"	66
SZ-21-066150-15	52-C	1.1/2"	66
SZ-21-066200-15	52-C DIN 14 307	2"	66
SZ-21-066250-15	52-C	2.1/2"	66
SZ-21-081200-10	65	2"	81
SZ-21-081250-10	65	2.1/2"	81
SZ-21-089200-15	75-B	2"	89
SZ-21-089250-15	75-B DIN 14 308	2.1/2"	89
SZ-21-089300-15	75-B	3"	89
SZ-21-105300-10	90	3"	105
SZ-21-115400-10	100	4"	115
SZ-21-133400-10	110-A	4"	133
SZ-21-133450-10	110-A DIN 14 309	4.1/2"	133
SZ-21-220800-10	205	8"	220

Tech Sheet 60474



### Female, BSPP, Copper Alloy (Brass)

0148	Storz Size	Thread	Ka
SZ-21-031100-30	25-D	1"	31
SZ-21-051200-30	38	2"	51
SZ-21-066200-35	52-C DIN 86 204	2"	66
SZ-21-066250-30	52-C	2.1/2"	66
SZ-21-081200-30	65	2"	81

Tech Sheet 60474



### Female with Safety Latch, Aluminium

0148	Storz Size	Thread	Ka
SZ-27-066200-10	52-C	2"	66
SZ-27-089300-10	75-B	3"	89
SZ-27-133400-10	110-A	4"	133
SZ-27-148500-10	125	5"	148
SZ-27-160600-10	150	6"	160

Tech Sheet 60474



### Male, BSPP, Copper Alloy (Brass)

0148	Storz Size	Thread	Ka
SZ-22-066200-30	52-C	2"	66

Tech Sheet 60475



### Male, BSPP, Aluminium

0148	Storz Size	Thread	Ka
SZ-22-031100-10	25-D	1"	31
SZ-22-044100-10	32	1"	44
SZ-22-051150-10	38	1.1/2"	51
SZ-22-066125-15	52-C	1.1/4"	66
SZ-22-066150-15	52-C	1.1/2"	66
SZ-22-066200-15	52-C	2"	66
SZ-22-081250-10	65	2.1/2"	81
SZ-22-089250-15	75-B	2.1/2"	89
SZ-22-089300-15	75-B	3"	89
SZ-22-133400-10	110-A	4"	133

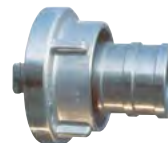
Tech Sheet 60475

## Hose Tails

### Aluminium

0148	Storz Size	To Suit Hose ID	Ka	Length mm
SZ-12-031025-10	25-D	25	31	53
SZ-12-044019-10	32	19	44	70
SZ-12-044025-10	32	25	44	70
SZ-12-044032-10	32	32	44	70
SZ-12-051038-10	38	38	51	90
SZ-12-066025-10	52-C	25	66	90
SZ-12-066032-10	52-C	32	66	90
SZ-12-066045-10	52-C	45	66	90
SZ-12-066052-10	52-C	52	66	90
SZ-12-066060-10	52-C	60	66	90
SZ-12-081065-10	65	65	81	95
SZ-12-089065-10	75-B	65	89	125
SZ-12-089070-10	75-B	70	89	125
SZ-12-089075-10	75-B	75	89	125
SZ-12-089080-10	75-B	80	89	125
SZ-12-105090-10	90	90	105	160
SZ-12-115100-10	100	100	115	150
SZ-12-133100-10	110-A	100	133	170
SZ-12-133110-10	110-A	110	133	170
SZ-12-160150-10	150	150	160	180
SZ-12-220205-10	205	205	220	375

Tech Sheet 60465



### Copper Alloy (Brass)

0148	Storz Size	To Suit Hose ID mm	Ka	Length mm
SZ-12-031025-30	25-D	25	31	25
SZ-12-066025-30	52-C	25	66	90
SZ-12-066045-30	52-C	45	66	90
SZ-12-066052-30	52-C	52	66	90

Tech Sheet 60473



### Aluminium, Smooth, DIN 2817

0148	Storz Size	To Suit Hose ID mm	Ka	Length mm
SZ-13-166050-10	52-C	50	66	95
SZ-13-089075-10	75-B	75	89	105

Tech Sheet 60473



## Couplings with Safety Latch

### Aluminium

0148	Storz Size	To Suit Hose ID mm	Ka	Length mm
SZ-12-066045-19	52-C	45	66	90
SZ-12-066052-19	52-C DIN 14 321	52	66	90
SZ-12-081065-19	65	65	81	95
SZ-12-089065-19	75-B	65	89	125
SZ-12-089075-19	75-B DIN 14 322	75	89	125
SZ-12-115100-19	100	100	115	150
SZ-12-160150-19	150	150	160	180

Tech Sheet 60466



## Safety Clamps DIN 2817



### Aluminium

0148	Size
SZ-13-800050-10	50 x 8
SZ-13-800075-10	75 x 8
SZ-13-800100-10	100 x 8
Tech Sheet 60467	

## Reducers



### Aluminium

0148	Storz Size	Ka	Ka
SZ-35-066044-10	52-C/32	66	44
SZ-35-081066-10	65/52-C	81	66
SZ-35-115089-10	100/75-B	115	89
SZ-35-160133-10	150/110-A	160	133
Tech Sheet 60468			

## Blank Caps



### With Chains, Aluminium

0148	Storz Size	Ka
SZ-31-031000-10	25-D DIN 14 310	31
SZ-31-044000-10	32	44
SZ-31-051000-10	38	51
SZ-31-066000-10	52-C DIN 14 311	66
SZ-31-081000-10	65	81
SZ-31-089000-10	75-B DIN 14 312	89
SZ-31-105000-10	90	105
SZ-31-115000-10	100	115
SZ-31-133000-10	110-A DIN 14 313	133
SZ-31-148000-10	125	148
SZ-31-160000-10	150	160
Tech Sheet 60469		

### With Chains, Copper Alloy (Brass)

0148	Storz Size	Ka
SZ-31-031000-30	25-D	31
SZ-31-066000-30	52-C	66
Tech Sheet 60469		



### With Lock, Aluminium

0148	Storz Size	Ka
SZ-31-500089-10	75-B	89
SZ-31-500133-10	110-A	133
Tech Sheet 60470		

## Seals



### Nitrile, Silicone & Viton

0148	Storz Size	Ka	Material
SZ-91-002031-00	25-D	31	Nitrile
SZ-91-002044-00	32	44	Nitrile
SZ-91-002051-00	38	51	Nitrile
SZ-91-002066-00	52-C	66	Nitrile
SZ-91-002081-00	65	81	Nitrile
SZ-91-002089-00	75-B	89	Nitrile
SZ-91-002133-00	110-A	133	Nitrile
SZ-91-002148-00	125	148	Nitrile
SZ-91-002160-00	150	160	Nitrile
SZ-91-002220-00	205	220	Nitrile
SZ-91-002031-02	25-D	31	Silicone
SZ-91-002044-02	32	44	Silicone
SZ-91-002051-02	38	51	Silicone
SZ-91-002066-02	52-C	66	Silicone
SZ-91-002081-02	65	81	Silicone
SZ-91-002089-02	75-B	89	Silicone
SZ-91-002115-02	100	115	Silicone
SZ-91-002133-02	110-A	133	Silicone
SZ-91-002066-03	52-C	66	Viton
Tech Sheet 60471			

## Storz Coupling Spanners

- Size D shown



0148	Description
SZ-71-031031-50	Steel Spanner Size D
SZ-71-081051-50	Steel Spanner Size 65/38
SZ-71-089066-20	Cast Iron Spanner Size B C
SZ-71-133066-20	Cast Iron Spanner Size A B C
Tech Sheet 60472	

# IBC OFF LOAD SYSTEM



## IBC Off Load System



### Cam Male Adaptor x Female Thread - Part A

0108	Size	Thread
IBCAS6062	2"	S60 x 6
IBCAS606112	1.1/2"	S60 x 6
IBCAS6061	1"	S60 x 6
IBCA2NPS	2"	NPSM
IBCAS10083	3"	S100 x 8



### Fixed Male Thread x Female Thread - Part HA

0108	Male Thread	Female Thread
IBCHAS6062BSP	2" BSPP	S60 x 6
IBCHAS606112BSP	1.1/2" BSPP	S60 x 6
IBCHAS6061BSP	1" BSPP	S60 x 6
IBCHAS60X34BSP	3/4" BSPP	S60 x 6
IBCHAS6062NPS	2" NPSM	S60 x 6
IBCHAS10083	3" BSPP	S100 x 8
IBCHAS606S1008	S60 x 6	S100 x 8
IBCHAS606NPSM2	S60 x 6	2" NPSM
IBCHAS6062BSPCWS	S60 x 6	2" BSPP with Seal



### Cam Female Coupler x Hose Tail - Part C

0108	Size	To Suit Hose ID
IBCC21	2"	1" (25mm)
IBCC2114	2"	1.1/4" (32mm)
IBCC2112	2"	1.1/2" (38mm)
IBCC22	2"	2" (50mm)
IBCC33	3"	3" (75mm)



### Female Coupler x Female Thread - Part D

0108	Size	Thread
IBCD112112BSP	1.1/2"	1.1/2" BSPP
IBCD22BSP	2"	2" BSPP
IBCD6062	2"	S60 x 6



### Swivel Hose Tail x Female Thread - Part HC

0108	To Suit Hose ID	Thread
IBCHCS6061	1" (25mm)	S60 x 6
IBCHCS606114	1.1/4" (32mm)	S60 x 6
IBCHCS606112	1.1/2" (38mm)	S60 x 6
IBCHCS6062	2" (50mm)	S60 x 6



### Female Thread x Female Thread - Part HD

0108	Size
IBCHDS6062BSP	2" BSPP x S60 x 6
IBCHDS606112BSP	1.1/2" BSPP x S60 x 6
IBCHDS6062NPS	2" NPSM x S60 x 6



### Dust Plug

0108	Size
IBCDP112	1.1/2"
IBCDP2	2"



### Dust Cap

0108	Size
IBDC112	1.1/2"
IBDC2	2"
IBDC3	3"



### EPDM, Seal to suit S60 x 6 Thread

0108
IBC-SEAL



# MORTAR HOSE COUPLINGS & PLUGS

## Lever Couplings



### Male Threaded, BSPP

0108	Size	Thread
MAG 10/25	25	1"
MAG 20/50	50	2"

Tech Sheet 20469



### Female Threaded, BSPP

0108	Size	Thread
MIG 10/25	25	1"
MIG 15/35	35	1.1/2"
MIG 20/50	50	2"

Tech Sheet 20469



### Hose Tail, BSPP

0108	Size	To Suit Hose ID mm
MST 38/35	35	38
MST 50	50	50

Tech Sheet 20469

## Plugs



### Male Threaded, BSPP

0108	Size	Thread
VAG 10/25	25	1"
VAG 20/50	50	2"

Tech Sheet 20469



### Female Threaded, BSPP

0108	Size	Thread
VIG 10/25	25	1"
VIG 15/35	35	1.1/2"
VIG 20/50	50	2"

Tech Sheet 20469



### Hose Tail

0108	Size	To Suit Hose ID mm
VST 38/35	35	38
VST 50	50	50

Tech Sheet 20469

# FLANGES

## Mild Steel Flanged Hose Tails

### Table E, Mild Steel

0108	To Suit Hose ID
FEHT2	2"
FEHT3	3"
FEHT4	4"

Tech Sheet 20469

### NP16, Mild Steel

0108	To Suit Hose ID
FNP16HT112	1.1/2"
FNP16HT2	2"
FNP16HT212	2.1/2"
FNP16HT3	3"
FNP16HT4	4"
FNP16HT6	6"
FNP16HT8	8"

Tech Sheet 20469



### Flanged Hose Tail Table D, Mild Steel

0108	To Suit Hose ID
FDHT2	2"
FDHT3	3"
FDHT4	4"
FDHT5	5"
FDHT6	6"

Tech Sheet 20469

### ASA150, Mild Steel

0108	To Suit Hose ID
FASA150HT2	2"

Tech Sheet 20469

## Stainless Steel Flanged Hose Tails

### Table E, Stainless Steel

0108	To Suit Hose ID
FHSESS2	2"

Tech Sheet 20469

### NP16, Stainless Steel

0108	To Suit Hose ID
FHNSNP16SS2	2"
FHNSNP16SS3	3"

Tech Sheet 20469

### ASA 150, Stainless Steel

0108	To Suit Hose ID
FHSASASS2	2"

Tech Sheet 20469

# TRENCH PUMP HOSE COUPLINGS - LUG TYPE



## Male BSPP



### Malleable Iron, BSPP

0108	Thread
MIMT112	1.1/2"
MIMT2	2"
MIMT212	2.1/2"
MIMT3	3"
MIMT4	4"

Tech Sheet 20399

## Male URT



### Alloy, URT

0108	Thread
AMT3URT	3"
AMT4URT	4"

Tech Sheet 20397



### Polypropylene, URT

0108	Thread
PMT3URT	3"
PMT4URT	4"

Tech Sheet 20397

## Female BSPP

- Leather washer included



### Alloy, BSPP

0108	Thread
AMT112	1.1/2"
AMT2	2"
AMT212	2.1/2"
AMT3BSP	3"
AMT4BSP	4"

Tech Sheet 20399



### Malleable Iron, BSPP

0108	Thread	To Suit Hose ID
MICT112	1.1/2"	1.1/2"
MICT2	2"	2"
MICT212	2.1/2"	2.1/2"
MICT3	3"	3"
MICT4	4"	4"

Tech Sheet 20398



stainless steel

### Stainless Steel, BSPP

0108	Thread	To Suit Hose ID
SSCT1	1"	1"
SSCT114	1.1/4"	1.1/4"
SSCT112	1.1/2"	1.1/2"
SSCT2	2"	2"
SSCT212	2.1/2"	2.1/2"

Tech Sheet 20398



### Polypropylene, BSPP

0108	Thread
PMT112	1.1/2"
PMT2	2"
PMT212	2.1/2"
PMT3BSP	3"
PMT4BSP	4"

Tech Sheet 20399



### Polypropylene, BSPP

0108	Thread	To Suit Hose ID
PCT112	1.1/2"	1.1/2"
PCT2	2"	2"
PCT212	2.1/2"	2.1/2"
PCT3BSP	3"	3"
PCT4BSP	4"	4"

Tech Sheet 20398



### Alloy, BSPP

0108	Thread	To Suit Hose ID
ACT112	1.1/2"	1.1/2"
ACT2	2"	2"
ACT212	2.1/2"	2.1/2"
ACT3BSP	3"	3"
ACT4BSP	4"	4"

Tech Sheet 20398

## Female URT

- Poly washer included



## Alloy, URT

0108	Thread	To Suit Hose ID
ACT3URT	3"	3"
ACT4URT	4"	4"
Tech Sheet 20400		

- Poly washer included



## Polypropylene, URT

0108	Thread	To Suit Hose ID
PCT3URT	3"	3"
PCT4URT	4"	4"

- Poly washer included



stainless steel

## Stainless Steel, URT

0108	Thread	To Suit Hose ID
SSCT3URT	3"	3"

- Poly washer included



## Gunmetal, URT

0108	Thread	To Suit Hose ID
GMCT3URT	3"	3"
GMCT4URT	4"	4"

## Key Spanners



## Aluminium

0108	To Suit	Description
KEY2	2"	Double Ended Spanner
KEY3	3"	Single Ended Spanner
KEY4	4"	Single Ended Spanner

## Brass, Lugged, Screw-together Couplings



## Brass Cap & Tail

0019	Thread	To Suit Hose ID
STCAS-12	1/2"	1/2"
STCAS-34	3/4"	3/4"
STCAS-1-12	1"	1/2"
STCAS-1-34	1"	3/4"
STCAS-1	1"	1"
STCAS-114-1	1.1/4"	1"
STCAS-114	1.1/4"	1.1/4"
STCAS-112-114	1.1/2"	1.1/4"
STCAS-112	1.1/2"	1.1/2"
STCAS-2	2"	2"
STCAS-3	3"	3"
STCAS-4	4"	4"



## Female Linings

0019	To Suit Hose ID	To Suit Collar
STCL-12	1/2"	1/2"
STCL-1-12	1/2"	1"
STCL-34	3/4"	3/4"
STCL-1-34	3/4"	1"
STCL-1	1"	1"
STCL-114-1	1"	1.1/4"
STCL-114	1.1/4"	1.1/4"
STCL-112-114	1.1/4"	1.1/2"
STCL-112	1.1/2"	1.1/2"
STCL-2	2"	2"
STCL-3	3"	3"
STCL-4	4"	4"

Tech Sheet 20334



## Male Threaded Half, BSPP

0019	Thread	To Suit Hose ID
STCM-12	1/2"	1/2"
STCM-34	3/4"	3/4"
STCM-1	1"	1"
STCM-114	1.1/4"	1.1/4"
STCM-112	1.1/2"	1.1/2"
STCM-2	2"	2"
STCM-3	3"	3"
STCM-4	4"	4"



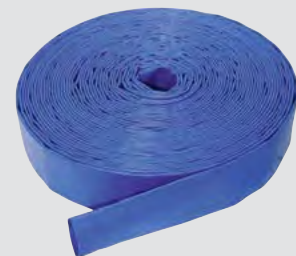
## Collar

0019	Thread
STCC-12	1/2"
STCC-34	3/4"
STCC-1	1"
STCC-114	1.1/4"
STCC-112	1.1/2"
STCC-2	2"
STCC-3	3"
STCC-4	4"

Customers who bought from this page also purchased...



Layflat Hose  
see Section 7



# TRENCH PUMP HOSE COUPLINGS - LUG TYPE



## Blanking Caps



### Alloy, BSPP/URT with Chain

0108	Thread
ABCC112	1.1/2" BSPP
ABCC2	2" BSPP
ABCC212	2.1/2" BSPP
ABCCBSP3	3" BSPP
ABCCURT3	3" URT
ABCCBSP4	4" BSPP
ABCCURT4	4" URT



### Polypropylene, BSPP/URT without Chain

0108	Thread
PBCWOC112	1.1/2" BSPP
PBCWOC2	2" BSPP
PBCWOC212	2.1/2" BSPP
PBCWOCBSP3	3" BSPP
PBCWOCURT3	3" URT
PBCWOCBSP4	4" BSPP
PBCWOCURT4	4" URT



### Polypropylene, URT with Chain

0108	Thread
PBCCURT3	3"
PBCCURT4	4"



### Gunmetal, BSPP/URT with Chain

0108	Thread
GBBCC112	1.1/2" BSPP
GBBCC2	2" BSPP
GBBCC212	2.1/2" BSPP
GBBCCBSP3	3" BSPP
GBBCCURT3	3" URT
GBBCCBSP4	4" BSPP

## Blanking Plugs



### Alloy, BSPP/URT with Chain

0108	Thread
ABPC2	2" BSPP
ABPC212	2.1/2" BSPP
ABPCBSP3	3" BSPP
ABPCURT3	3" URT



### Polypropylene, BSPP/URT without Chain

0108	Thread
PBPWOC112	1.1/2" BSPP
PBPWOC2	2" BSPP
PBPWOC212	2.1/2" BSPP
PBPWOCBSP3	3" BSPP
PBPWOCURT3	3" URT
PBPWOCURT4	4" URT

## Spare Chains



0108
CHAIN

## Washers

**Note:** To suit malleable iron, brass and poly trench pump couplings, steel flat face nuts and tail



### Leather

0108	Size
WL14	1/4"
WL38	3/8"
WL12	1/2"
WL34	3/4"
WL1	1"
WL114	1.1/4"
WL112	1.1/2"
WL2	2"
WL212	2.1/2"
WL3	3"
WL4	4"

**Note:** To suit malleable iron, brass and poly trench pump couplings, steel flat face nuts and tail



### Rubber

0108	Size
WR114	1.1/4"
WR112	1.1/2"
WR2	2"
WR212	2.1/2"
WR3	3"
WR4	4"



### Rubber URT

0108	Size
WR3URT	3"
WR4URT	4"

**Note:** To suit malleable iron, brass and poly trench pump couplings, steel flat face nuts and tail



### Poly URT

0108	Size
WP3URT	3"
WP4URT	4"

## Tanker Coupling Adaptors



### Alloy

0108	Size
AAMF112112	1.1/2" M x 1.1/2" F
AAMF1122	1.1/2" M x 2" F
AAMF1123	1.1/2" M x 3" F
AAMM22	2" M x 2" M
AAMF22	2" M x 2" F
AAMF2212	2" M x 2.1/2" F
AAMF23	2" M x 3" F
AAMF2122	2.1/2" M x 2" F
AAMF212212	2.1/2" M x 2.1/2" F
AAMF2123	2.1/2" M x 3" F
AAMF32	3" M x 2" F
AAMF3212	3" M x 2.1/2" F
AAMM33	3" M x 3" M
AAMF33	3" M x 3" F
AAMF34	3" M x 4" F
AAMF43	4" M x 3" F
AAMM43	4" M x 3" M



### Gunmetal

0108	Size
GMAMF1122	1.1/2" M x 2" F
GMAMF112212	1.1/2" M x 2.1/2" F
GMAMF1123	1.1/2" M x 3" F
GMAMF2112	2" M x 1.1/2" F
GMAMM22	2" M x 2" M
GMAMF2212	2" M x 2.1/2" F
GMAMF23	2" M x 3" F
GMAMF2122	2.1/2" M x 2" F
GMAMM212212	2.1/2" M x 2.1/2" M
GMAMF212212	2.1/2" M x 2.1/2" F
GMAMF2123	2.1/2" M x 3" F
GMAMF32	3" M x 2" F
GMAMF3212	3" M x 2.1/2" F
GMAMM33	3" M x 3" M
GMAMF33	3" M x 3" F
GMAMF34	3" M x 4" F
GMAMF43	4" M x 3" F

## Thread Adaptors



### Alloy, URT

0108	Size
AAMFURTURT34	3" URT M x 4" URT F (Lug)
AAMMBSPURT33	3" BSPP M x 3" URT M (Hex)



### Gunmetal, URT

0108	Size
GMAMFURTURT34	3" URT M x 4" URT F (Lug)
GMAMMBSPURT33	3" BSPP M x 3" URT M (Hex)



### Polypropylene, URT

0108	Size
PAMFURTURT34	3" URT M x 4" URT F (Lug)

## Threaded Alloy Flanged Adaptors

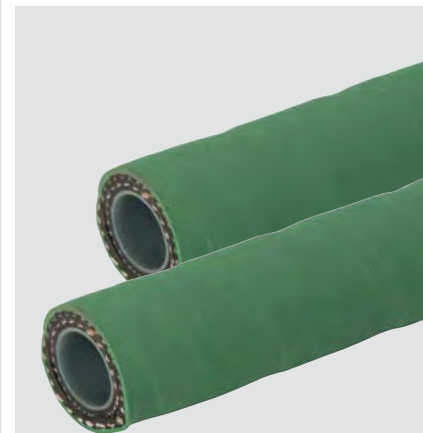


### Table D, URT

0108	Thread
AAFDURT3	3"
AAFDURT4	4"

### NP16, URT

0108	Thread
AAFNP16URT3	3"



For **XLPE Chemical Suction & Delivery** see **Section 7**

# COMBINATION STEEL NIPPLES & HOSE JOINERS



Couplings



## Combination Swaged Hose Nipples



### NPT Plated Steel

0121	Thread	To Suit Hose ID mm
NCSNPT12	1/2"	12
NCSNPT34	3/4"	19
NCSNPT1	1"	25
NCSNPT114	1.1/4"	32
NCSNPT112	1.1/2"	38
NCSNPT2	2"	50
NCSNPT212	2.1/2"	63
NCSNPT3	3"	75
NCSNPT4	4"	100
NCSNPT6	6"	150



### NPT Plated Steel, Long Tail

0121	Thread	To Suit Hose ID mm
NCLNPT6	6"	150

## Steel Hose Menders, Long Length



### Zinc Plated Steel

0108	To Suit Hose ID	Length mm
SV10R	3/8" (10mm)	75
SV13R	1/2" (13mm)	80
SV15R	5/8" (15mm)	105
SV19R	3/4" (19mm)	105
SV25R	1" (25mm)	160
SV32R	1.1/4" (32mm)	175
SV38R	1.1/2" (38mm)	215
SV50R	2" (50mm)	225

### BSPT Plated Steel



1011	Thread
CNS-12	1/2"
CNS-34	3/4"
CNS-1	1"
CNS-114	1.1/4"
CNS-112	1.1/2"
CNS-2	2"
CNS-212	2.1/2"
CNS-3	3"
CNS-4	4"
CNS-5	5"
CNS-6	6"

### stainless steel



### BSPT Stainless Steel

1011	Thread
SCN-12	1/2"
SCN-34	3/4"
SCN-1	1"
SCN-114	1.1/4"
SCN-112	1.1/2"
SCN-2	2"
SCN-3	2"

## Safety Steel Hose Menders, Long Length



### Zinc Plated Steel with Safety Collar

0108	To Suit Hose ID	Length mm
SV13R/S	1/2" (13mm)	80
SV15R/S	5/8" (15mm)	105
SV19R/S	3/4" (19mm)	105
SV25R/S	1" (25mm)	160
SV32R/S	1.1/4" (32mm)	175
SV38R/S	1.1/2" (38mm)	215
SV50R/S	2" (50mm)	225
SV75R/S	3" (75mm)	250

## Hose Joiners



### Alloy

0108	To Suit Hose ID
JALL114	1.1/4"
JALL112	1.1/2"
JALL2	2"
JALL212	2.1/2"
JALL3	3"
JALL4	4"

### stainless steel



### Stainless Steel

0108	To Suit Hose ID
JSS34	3/4"
JSS1	1"
JSS114	1.1/4"
JSS112	1.1/2"
JSS2	2"
JSS3	3"
JSS4	4"



### Plated Steel

1011	To Suit Hose ID
SHM-38	3/8"
SHM-12	1/2"
SHM-34	3/4"
SHM-1	1"
SHM-114	1.1/4"
SHM-112	1.1/2"
SHM-2	2"
SHM-212	2.1/2"
SHM-3	3"
SHM-4	4"
SHM-5	5"
SHM-6	6"
SHM-8	8"
SHM-10	10"

# HEXAGON NUTS & TAILS

## Hexagon Nuts & Tails



### 'A' Hex Nuts & Tails, BSPP Mild Steel

0108	Thread	To Suit Hose ID	Max Pressure PSI
NTA1	1"	1"	250
NTA114	1.1/4"	1.1/4"	150
NTA112	1.1/2"	1.1/2"	150
NTA2	2"	2"	150

### 'C' Plain Hex Nuts & Tails, BSPP Mild Steel



0108	Thread	To Suit Hose ID	Max Pressure PSI
NTC12	1/2"	1/2"	150
NTC34	3/4"	3/4"	150
NTC1	1"	1"	150
NTC114	1.1/4"	1.1/4"	150
NTC112	1.1/2"	1.1/2"	150
NTC2	2"	2"	150

### SWC Nuts & Tails, BSPP Mild Steel



0108	Thread	To Suit Hose ID	Max Pressure PSI
NTSWC112	1.1/2"	1.1/2"	150
NTSWC2	2"	2"	150



# FIRE HOSE & INSTANTANEOUS FIRE HOSE COUPLINGS

## Adaptors



### Aluminium Unpolished

0108	ID
FHAMIMI212212	2.1/2" M.I. x 2.1/2" M.I.
FHAFIFI212212	2.1/2" F.I. x 2.1/2" F.I.
FHAMIFBSP2122	2.1/2" M.I. x 2" F.BSP
FHAMIFBSP212212	2.1/2" M.I. x 2.1/2" F.BSP
FHAFIFBSP2122	2.1/2" F.I. x 2" M.BSP
FHAFIFBSP212212	2.1/2" F.I. x 2.1/2" M.BSP
FHAMIMBSP2122	2.1/2" M.I. x 2" M.BSP
FHAMIMBSP212212	2.1/2" M.I. x 2.1/2" M.BSP
FHAFIFBSP2122	2.1/2" F.I. x 2" F.BSP
FHAFIFBSP212212	2.1/2" F.I. x 2.1/2" F.BSP

Tech Sheet 20196

### Rubber Gasket



0108	Size
FHCG	2.1/2"

## Instantaneous Couplings



### Aluminium Unpolished

0108	Size
FHCC212112	2.1/2" inst x 1.1/2" DR Hose Tail
FHCC212134	2.1/2" inst x 1.3/4" DR Hose Tail
FHCC2122	2.1/2" inst x 2" DR Hose Tail
FHCC212212	2.1/2" inst x 2.1/2" DR Hose Tail
FHCC2123	2.1/2" inst x 3" MS Hose Tail

Tech Sheet 20197



### Male Half Instantaneous Couplings - Aluminium Unpolished

0108	Size
FHCC112MALE	2.1/2" inst x 1.1/2" DR Hose Tail
FHCC134MALE	2.1/2" inst x 1.3/4" DR Hose Tail
FHCC2MALE	2.1/2" inst x 2" DR Hose Tail
FHCC212MALE	2.1/2" inst x 2.1/2" DR Hose Tail
FHCC3MALE	2.1/2" inst x 3" MS Hose Tail

Tech Sheet 20201



### Female Half Instantaneous Couplings - Aluminium Unpolished

0108	Size
FHCC112FEMALE	2.1/2" inst x 1.1/2" DR Hose Tail
FHCC134FEMALE	2.1/2" inst x 1.3/4" DR Hose Tail
FHCC2FEMALE	2.1/2" inst x 2" DR Hose Tail
FHCC212FEMALE	2.1/2" inst x 2.1/2" DR Hose Tail
FHCC234FEMALE	2.1/2" inst x 2.3/4" DR Hose Tail
FHCC3FEMALE	2.1/2" inst x 3" MS Hose Tail

Tech Sheet 20199

## Blank Caps & Plugs



### Aluminium Unpolished Blank Cap complete with Chain

0108	Size
FHCC212	2.1/2" F.I.

Tech Sheet 20198



### Aluminium Unpolished Blank Plug complete with Chain

0108	Size
FHCC212	2.1/2" M.I.

Tech Sheet 20198

## Standard Collecting Breeching



### Unpolished

0108	Size
FHSCBMMF212	2.1/2" inst M x M x F

Tech Sheet 20202

## Standard Dividing Breeching



### Unpolished


0108	Size
FHSDBFM212	2.1/2" inst F x F x M

Tech Sheet 20202

# LEVER LOCK WATER PUMP COUPLINGS



## Complete Connection Set

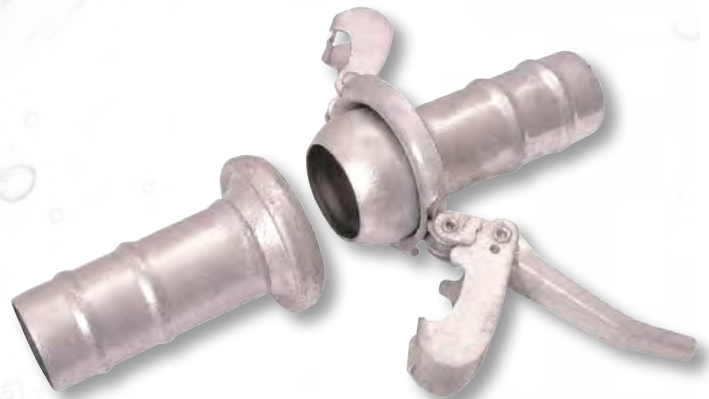
 **Maximum Working Pressure:**  
2" to 3.1/2" 20 bar  
4" to 8" 12 bar

### Galvanised with Standard Rubber Sealing Ring

0120	Coupling Size	To Suit Hose ID
LLC2	50	2"
LLC33	76	3 Tail x 3"
LLC3312	89	3 Tail x 3.1/2"
LLC4	108	4"
LLC5	133	5"
LLC6	159	6"
LLC8	194	8"


### Galvanised with Oil Resistant Rubber Sealing Ring


0120	Coupling Size	To Suit Hose ID
LLC2OROR	50	2"
LLC33OROR	76	3 Tail x 3"
LLC4OROR	108	4"
LLC8OROR	194	8"



Jaymac couplings provide a quick and easy way to join many lengths of hose together. They are commonly used for the pumping and transfer of water in the construction, road maintenance and general irrigation industries. They can also be used for loading and unloading road tankers.

**Interchangeable with:** BAUER

 **Maximum Working Temperature:**  
+80°C

 **Maximum Working Pressure:**  
2" to 3.1/2" 20 bar  
4" to 8" 12 bar

### Galvanised with Standard Rubber Sealing Ring

0372	Coupling Size	To Suit Hose ID
LLZDUTY-LLC2	50	2"
LLZDUTY-LLC3	76	3"
LLZDUTY-LLC3312	89	3" Tail x 3.1/2"
LLZDUTY-LLC4	108	4"
LLZDUTY-LLC6	159	6"
LLZDUTY-LLC8	194	8"

Tech Sheet 20540

# STAINLESS STEEL LEVER LOCK WATER PUMP COUPLINGS

stainless  
steel



## Male x Hose Connector



0120	Coupling Size	To Suit Hose ID
LLSSMT2	50	2"
LLSSMT33	76	3"
LLSSMT3312	89	3" Tail x 3.1/2"
LLSSMT4	108	4"
LLSSMT6	159	6"
LLSSMT8	194	8"

## Female x Hose Connector

Note: No O-Ring



0120	Coupling Size	To Suit Hose ID
LLSFT2	50	2"
LLSFT3312	89	3" Tail x 3.1/2"
LLSFT4	108	4"
LLSFT6	159	6"
LLSFT8	194	8"

## Oil Resistant Rubber Sealing Ring



0120	Coupling Size
LLSSOROR2	50
LLSSOROR33	76
LLSSOROR3312	89
LLSSOROR4	108
LLSSOROR6	159
LLSSOROR8	194

## Male Weld End

Other sizes available on request. Minimum quantity order may apply.



0120	Coupling Size
LLSSMWE2	50
LLSSMWE3312	89
LLSSMWE4	108
LLSSMWE6	159

## Female Weld End

Note: No O-Ring



0120	Coupling Size
LLSSFWE2	50
LLSSFWE33	76
LLSSFWE3312	89
LLSSFWE4	108
LLSSFWE6	159

## Male x Male BSPP Pipe Thread

Other sizes available on request. Minimum quantity order may apply.



## With Lever Closure Ring, BSPP

0120	Coupling Size	To Suit Hose ID
LLSSMBSP2	50	2"
LLSSMBSP33	76	3"
LLSSMBSP3312	89	3" BSPP x 3.1/2"
LLSSMBSP4	108	4"

## Female complete with BSPP Male Pipe Thread

Other sizes available on request. Minimum quantity order may apply.

Note: No O-Ring



0120	Coupling Size	Thread
LLSFBSP2	50	2"
LLSFBSP33	76	3"
LLSFBSP3312	89	3" BSPP x 3.1/2"
LLSFBSP4	108	4"
LLSFBSP5	133	5"
LLSFBSP6	159	6"

## Male End Cap



0120	Coupling Size
LLSSMEC2	50
LLSSMEC33	76
LLSSMEC3312	89
LLSSMEC4	108
LLSSMEC5	133
LLSSMEC6	159

## Female End Cap

Other sizes available on request. Minimum quantity order may apply.

Note: No O-Ring



0120	Coupling Size
LLSSFEC3312	89
LLSSFEC4	108
LLSSFEC6	159

Please note: all female connectors do not come complete with O-Ring



# LEVER LOCK WATER PUMP COUPLINGS

## Male x Hose Connector



### Galvanised

0120	Coupling Size	To Suit Hose ID
LLMT2	50	2"
LLMT33	76	3" Tail x 3"
LLMT3312	89	3" Tail x 3.1/2"
LLMT4	108	4"
LLMT5	133	5"
LLMT6	159	6"
LLMT8	194	8"

## Female x Hose Connector



### Galvanised

0120	Coupling Size	To Suit Hose ID
LLFT2	50	2"
LLFT33	76	3" Tail x 3"
LLFT3312	89	3" Tail x 3.1/2"
LLFT4	108	4"
LLFT5	133	5"
LLFT6	159	6"
LLFT8	194	8"

## Lever Closure Ring



### Galvanised

0120	Coupling Size	To Suit Hose ID
LLCR2	50	2"
LLCR33	76	3" Tail x 3"
LLCR3312	89	3" Tail x 3.1/2"
LLCR4	108	4"
LLCR5	133	5"
LLCR6	159	6"
LLCR8	194	8"

## Rubber Sealing Ring

Natural Rubber (NR)



0120	Coupling Size
LLOR2	50
LLOR33	76
LLOR3312	89
LLOR4	108
LLOR5	133
LLOR6	159
LLOR8	194

## Oil Resistant Rubber Sealing Ring

Nitrile Rubber (NBR)



0120	Coupling Size
LLOROR2	50
LLOROR33	76
LLOROR3312	89
LLOROR4	108
LLOROR5	133
LLOROR6	159
LLOROR8	194

## Male x Male BSPT Pipe Thread



### With Lever Closure Ring, Galvanised

0120	Coupling Size	Thread	To Suit Hose ID
LLMBSP112	50	-	1.1/2"
LLMBSP2	50	-	2"
LLMBSP212	76	-	2.1/2"
LLMBSP33	76	3" BSPP	3"
LLMBSP3312	89	3" BSPP	3.1/2"
LLMBSP4	108	-	4"
LLMBSP5	133	-	5"
LLMBSP6	159	-	6"
LLMBSP8	194	-	8"

## Male complete with URT Male/Female Thread



### With Lever Closure Ring, Ungalvanised, URT

0120	Coupling Size	Thread
LLM44URTM	4" Male	4" Male
LLM44URTF	4" Male	4" Female

Please note: all female connectors do not come complete with O-Ring



## Female complete with BSPP Male Pipe Thread



### Galvanized

0120	Coupling Size	Thread	To Suit Hose ID
LLFBSP112	50	-	1.1/2"
LLFBSP2	50	-	2"
LLFBSP212	76	-	2.1/2"
LLFBSP33	76	3" BSPP	3"
LLFBSP3312	89	3" BSPP	3.1/2"
LLFBSP4	108	-	4"
LLFBSP5	133	-	5"
LLFBSP6	159	-	6"
LLFBSP8	194	-	8"

## Female complete with URT Male/Female Thread



### Ungalvanized

0120	Coupling Size	Thread
LLF333URTF	3" Female	3" Female
LLF33123URTF	3.1/2" Female	3" Female
LLF44URTM	4" Female	4" Male
LLF44URTF	4" Female	4" Female

## Male Weld End



### Ungalvanized

0120	Coupling Size
LLMWE2	50
LLMWE33	76
LLMWE3312	89
LLMWE4	108
LLMWE5	133
LLMWE6	159
LLMWE8	194

## Female Weld End

Note: No O-Ring



### Ungalvanized

0120	Coupling Size
LLFWE2	50
LLFWE33	76
LLFWE3312	89
LLFWE4	108
LLFWE5	133
LLFWE6	159
LLFWE8	194

## Flanged Male, Table D



### Galvanized

0120	Coupling Size
LLMFD2	50
LLMFD33	76
LLMFD3312	89
LLMFD4	108
LLMFD46	108 x 6"
LLMFD5	133
LLMFD6	159
LLMFD8	194

## Flanged Female, Table D



### Galvanized

0120	Coupling Size
LLFFD2	50
LLFFD33	76
LLFFD3312	89
LLFFD4	108
LLFFD6	159
LLFFD8	194

## Flanged Male, Table E



### Galvanized

0120	Coupling Size
LLMFE162	50
LLMFE1633	76
LLMFE163312	89
LLMFE164	108
LLMFE1646	108 x 6"
LLMFE165	133
LLMFE166	159
LLMFE168	194

## Flanged Female, Table E

Note: No O-Ring



### Galvanized

0120	Coupling Size
LLFFE162	50
LLFFE1633	76
LLFFE163312	89
LLFFE164	108
LLFFE1646	108 x 6"
LLFFE165	133
LLFFE166	159
LLFFE168	194

## Lever Closure Ring



### Ungalvanized

0108	Coupling Size
LCRB2	50
LCRB33	76
LCRB3312	89
LCRB4	108
LCRB5	133
LCRB6	159
LCRB8	194

Please note: all female connectors do not come complete with O-Ring

# LEVER LOCK WATER PUMP COUPLINGS



## Y Unions



### Y Union with Female Outlet, Galvanised

0120	Coupling Size
LLYMMF2	50
LLYMMF33	76
LLYMMF3312	89
LLYMMF4	108
LLYMMF6	159



### Y Union with Male Outlet, Galvanised

0120	Coupling Size
LLYFFM2	50
LLYFFM33	76
LLYFFM3312	89
LLYFFM4	108
LLYFFM6	159

## Male End Cap



### With Lever Closure

0120	Coupling Size
LLMEC2	50
LLMEC33	76
LLMEC3312	89
LLMEC4	108
LLMEC5	133
LLMEC6	159
LLMEC8	194

## Female End Caps

Note: No O-Ring



### Galvanised

0120	Coupling Size
LLFEC2	50
LLFEC33	76
LLFEC3312	89
LLFEC4	108
LLFEC5	133
LLFEC6	159
LLFEC8	194

## Female x Male Reducer

Note: No O-Ring



### Galvanised

0120	Description
LLFM332	76 Female x 50 Male
LLFM33122	89 Female x 50 Male
LLFM331233	89 Female x 76 Male
LLFM433	108 Female x 76 Male
LLFM43312	108 Female x 89 Male
LLFM54	133 Female x 108 Male
LLFM64	159 Female x 108 Male
LLFM65	159 Female x 133 Male
LLFM86	194 Female x 159 Male

## T Unions

Note: No O-Ring



### T Union with Female Outlet, Galvanised

0120	Coupling Size
LLTMMF2	50
LLTMMF4	108
LLTMMF6	159

Note: No O-Ring



### T Union with Male Outlet, Galvanised

0120	Coupling Size
LLTMMF2	50
LLTMMF33	76
LLTMMF3312	89
LLTMMF4	108
LLTMMF5	133
LLTMMF6	159
LLTMMF8	194

Please note: all female connectors do not come complete with O-Ring





## Male x Female Riser

Note: No O-Ring



### Galvanised

0120	Description
LLFM233	50 Female x 76 Male
LLFM23312	50 Female x 89 Male
LLFM333312	76 Female x 89 Male
LLFM334	76 Female x 108 Male
LLFM33124	89 Female x 108 Male
LLFM45	108 Female x 133 Male
LLFM46	108 Female x 159 Male
LLFM56	133 Female x 159 Male
LLFM68	159 Female x 194 Male

## Safety Pins



### Galvanised Steel

0108	To Suit Coupling Size
LLMSSPIN50	50
LLMSSPIN76	76
LLMSSPIN89108	89 - 108
LLMSSPIN133	133
LLMSSPIN159194	159 - 194

## 45° Bends

Note: No O-Ring



### 45° Bend, Galvanised

0120	Coupling Size
LL45B2	50
LL45B33	76
LL45B3312	89
LL45B4	108
LL45B5	133
LL45B6	159
LL45B8	194



### Male Flanged 45° Bend - NP16, Galvanised

0120	Coupling Size
LL45MF4	108
LL45MF6	159

Note: No O-Ring



### Female Flanged 45° Bend - NP16, Galvanised

0120	Coupling Size
LL45FF4	108
LL45FF6	159

## 30° Bends

Note: No O-Ring



### 30° Bend, Galvanised

0120	Coupling Size
LL30B2	50
LL30B3	76
LL30B33	89
LL30B4	108
LL30B5	133
LL30B6	159
LL30B8	194

Please note: all female connectors do not come complete with O-Ring





# LEVER LOCK WATER PUMP COUPLINGS

## 90° Bends

Note: No O-Ring



### 90° Bend, Galvanised

0120	Coupling Size
LL90B2	50
LL90B33	76
LL90B3312	89
LL90B4	108
LL90B5	133
LL90B6	159
LL90B8	194

### Male Flanged 90° Bend - Table D, Galvanised

0120	Coupling Size
LL90MF3312TD	89
LL90MF4TD	108
LL90MF6TD	159

Note: No O-Ring



### Male Flanged 90° Bend - NP16, Galvanised

0120	Coupling Size
LL90MF33	76
LL90MF3312	89
LL90MF4	108
LL90MF6	159
LL90MF8	194

Note: No O-Ring



### Female Flanged 90° Bend, NP16 - Galvanised

0120	Coupling Size
LL90FF33	76
LL90FF3312	89
LL90FF4	108
LL90FF6	159
LL90FF8	194

Customers who bought from this page also purchased...



**Carbon Steel Flanges**  
see **Section 4**

## Strainers

### G.P. Strainers, Steel Galvanised



0120	Coupling Size
LLGP2	50
LLGP3312	89
LLGP4	108
LLGP6	159
LLGP8	194

### Sewage Strainers, Steel Galvanised



0120	Coupling Size
LLSS4	108
LLSS6	159

### Male Foot Valve Strainer, Galvanised



0120	Coupling Size
LLFVSM2	50
LLFVSM33	76
LLFVSM3312	89
LLFVSM4	108
LLFVSM5	133
LLFVSM6	159
LLFVSM8	194

### Hose Tail Foot Valve Strainer, Galvanised



0120	To Suit Hose ID
LLFVSHT2	2"
LLFVSHT3	3"
LLFVSHT4	4"
LLFVSHT5	5"
LLFVSHT6	6"
LLFVSHT8	8"
LLFVSHT12	12"

Please note: all female connectors do not come complete with O-Ring



## Large Bore Dallai Couplings



## Male Hose Tail

0120	Coupling Size
LLMT10	10"
LLMT12	12"

Note: No O-Ring



## Female Hose Tail

0120	Coupling Size
LLFT10	10"
LLFT12	12"



## O-Ring

0120	Coupling Size
LLOR10	10"
LLOR12	12"



## Flanged Male

0120	Coupling Size
LLMF10	10"
LLMF12	12"

Note: No O-Ring



## Flanged Female

0120	Coupling Size
LLFF10	10"
LLFF12	12"

Note: No O-Ring



## Male x Female 90° Bend

0120	Coupling Size
LL90B10	10"
LL90B12	12"

Note: No O-Ring



## Male x Female 45° Bend

0120	Coupling Size
LL45B10	10"
LL45B12	12"



## Male Blank Ends

0120	Coupling Size
LLMEC10	10"
LLMEC12	12"



## Male Weld Ends

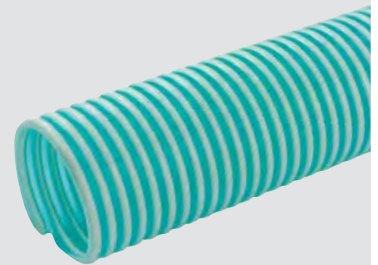
0120	Coupling Size
LLMWE12	12"

Note: No O-Ring



## Female Weld Ends

0120	Coupling Size
LLFWE10	10"
LLFWE12	12"

For Water Delivery Hose  
see Section 7


# LEVER LOCK WATER PUMP COUPLINGS


Jaymac four bolt hole MZ flange couplings are commonly used on a wide range of agricultural slurry tankers and spreaders.

Jaymac couplings provide a quick and easy way to join many lengths of hose together.

They are commonly used for the pumping and transfer of water in the construction, road maintenance and general irrigation industries. They can also be used for loading and unloading road tankers.

**Interchangeable with:** BAUER.

 **Maximum Working Temperature:** +80°C

 **Maximum Working Pressure:**  
2" to 3.1/2": 20 bar  
4" to 8": 12 bar



## Male Square MZ Flange



### With Closure Ring, Galvanised

0372	Coupling Size
LLZD-MZLLM89	89
LLZD-MZLLM108	108
LLZD-MZLLM133	133
LLZD-MZLLM159	159
LLZD-MZLLM194	194

Tech Sheet 68126

## Lever Closure Ring



### Galvanised

0372	Coupling Size
LLZD-LLCR2	50
LLZD-LLCR33	76
LLZD-LLCR3312	89
LLZD-LLC4	108
LLZD-LLCR5	133
LLZD-LLCR6	159
LLZD-LLCR8	194

## Female x Male BSPT Pipe Thread



### Galvanised

0372	Coupling Size	Thread
LLZD-LLFBSP2	50	2"
LLZD-LLFBSP212	76	2.5"
LLZD-LLFBSP33	76	3"
LLZD-LLFBSP4	108	4"
LLZD-LLFBSP5	133	5"
LLZD-LLFBSP6	159	6"
LLZD-LLFBSP8	194	8"

## Female Square MZ Flange



### With Sealing Ring

0372	Coupling Size
LLZD-MZFF89	89
LLZD-MZFF108	108
LLZD-MZFF133	133
LLZD-MZFF159	159
LLZD-MZFF194	194

Tech Sheet 68127

## Male x Male BSPT Pipe Thread



### With Closure Ring, Galvanised

0372	Coupling Size	Thread
LLZD-LLMBSP2	50	2"
LLZD-LLMBSP212	76	2.5"
LLZD-LLMBSP33	76	3"
LLZD-LLMBSP4	108	4"
LLZD-LLMBSP5	133	5"
LLZD-LLMBSP6	159	6"
LLZD-LLMBSP8	194	8"

## Male Weld End



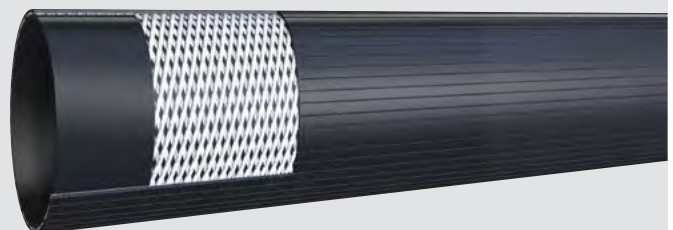
### Ungalvanised

0372	Coupling Size
LLZD-LLMWE33	76
LLZD-LLMWE3312	89
LLZD-LLMWE4	108
LLZD-LLMWE5	133
LLZD-LLMWE6	159
LLZD-LLMWE8	194

Customers who bought from this page also purchased...



**Layflat Hose**  
see **Section 7**




# LEVER LOCK WATER PUMP COUPLINGS


Jaymac four bolt hole MZ flange couplings are commonly used on a wide range of agricultural slurry tankers and spreaders.

Jaymac couplings provide a quick and easy way to join many lengths of hose together.

They are commonly used for the pumping and transfer of water in the construction, road maintenance and general irrigation industries. They can also be used for loading and unloading road tankers.

**Interchangeable with:** BAUER.

 **Maximum Working Temperature:** +80°C

 **Maximum Working Pressure:**  
 2" to 3.1/2": 20 bar  
 4" to 8": 12 bar

## Female Weld End



### Ungalvanised

0372	Coupling Size
LLZD-LLFWE2	50
LLZD-LLFWE33	76
LLZD-LLFWE3312	89
LLZD-LLFWE4	108
LLZD-LLFWE5	133
LLZD-LLFWE6	159
LLZD-LLFWE8	194

## Female End Caps



### Galvanised

0372	Coupling Size
LLZD-LLFEC2	50
LLZD-LLFEC33	76
LLZD-LLFEC3312	89
LLZD-LLFEC4	108
LLZD-LLFEC5	133
LLZD-LLFEC6	159
LLZD-LLFEC8	194

## Strainers



### G.P. Strainers, Steel Galvanised

0372	Coupling Size
LLZD-LLGP2	50
LLZD-LLGP3312	89
LLZD-LLGP4	108
LLZD-LLGP5	133
LLZD-LLGP6	159
LLZD-LLGP8	194

## Male End Cap



### Galvanised

0372	Coupling Size
LLZD-LLMEC2	50
LLZD-LLMEC33	76
LLZD-LLMEC3312	89
LLZD-LLMEC4	108
LLZD-LLMEC5	133
LLZD-LLMEC6	159
LLZD-LLMEC8	194

## 90° Bends

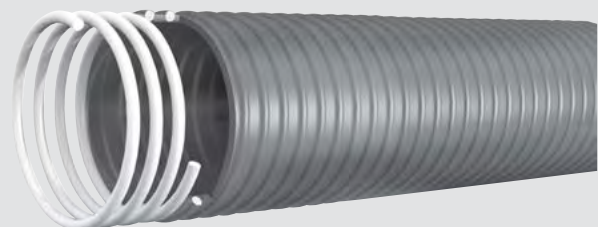


### Galvanised

0372	Coupling Size
LLZD-LL90B2	50
LLZD-LL90B33	76
LLZD-LL90B3312	89
LLZD-LL90B4	108
LLZD-LL90B5	133
LLZD-LL90B6	159
LLZD-LL90B8	194

Customers who bought from this page also purchased...

**Heavy-duty Suction Hose**  
 see **Section 7**



# CLAW COUPLINGS



## Claw Couplings DIN 3489

**Working Temperature:**  
-40°C to +95°C

**Maximum Working Pressure:** 10 bar

Universal system for compressed air in construction and industry.

**Material:** Malleable iron/steel  
**Seal:** Nitrile

**Media:** Compressed air  
**Claw Distance:** 42 mm



### Hose Tail (formerly DIN 3483)

6295	To Suit Hose ID mm
SKG6	6
SKG10	10
SKG13	13
SKG15	15
SKG19	19
SKG25	25
SKG32	32

### Female Thread, BSPP (formerly DIN 3482)

6295	Thread
KIG14	1/4"
KIG38	3/8"
KIG12	1/2"
KIG34	3/4"
KIG10	1"
KIG54	1.1/4"

### Blank End (formerly DIN 3483)

6295	Description
VKO	Blank End
VKM	Blank End with Chain
VKM-K	Spare Chain 200mm



### Hose Tail with Safety Collar

6295	To Suit Hose ID mm
SKB13	13
SKB19	19
SKB25	25

### Male Thread, BSPP (formerly DIN 3481)

6295	Thread
KAG14	1/4"
KAG38	3/8"
KAG12	1/2"
KAG34	3/4"
KAG1	1"
KAG54	1.1/4"

### Original DIN 3489 Seals

6295	Medium	Colour	Material	Max Temp °C
GOER	Compressed Air	Black	Nitrile	95°C
GPOR	Food	Natural	EPDM	130°C
GVOR	Chemicals	Green	FKM	200°C
GDOR	Steam	Red	TFEP	200°C

## MODY Safety-Screwing Claw Couplings DIN 3238

**Working Temperature:**  
-40°C to +95°C

**Maximum Working Pressure:** 16 bar

Secured by locking nut to prevent unintentional opening, for safe air lines in construction and industry.

**Material:** Malleable iron/steel, brass locking nut  
**Seal:** Nitrile

**Media:** Compressed air  
**Claw Distance:** 42 mm



### Hose Tail

6295	To Suit Hose ID mm
SSG10	10
SSG13	13
SSG15	15
SSG19	19
SSG25	25
SSG32	32

### Hose Tail, Hydraulic Crimping

6295	To Suit Hose ID mm
SSG19PH	19

### Male Thread, BSPP with LÜDSY Sealing

6295	Thread
SSGA38	3/8"
SSGA12	1/2"
SSGA34	3/4"
SSGA10	1"



### Hose Tail with Safety Collar

6295	To Suit Hose ID mm
SSG10S	10
SSG13S	13
SSG15S	15
SSG19S	19
SSG25S	25

### Female Thread, BSPP


6295	Thread
SSG138	3/8"
SSG12	1/2"
SSG134	3/4"
SSG110	1"


### Original MODY Seal

6295	Medium	Colour	Material	Max Temp °C
SGOR-N	Compressed Air	Black	Nitrile	95°C



## Safety Claw Couplings with Bore

 **Working Temperature:**  
-40°C to +95°C

 **Maximum Working Pressure:** 10 bar

Universal system, mainly used in mining and tunneling. Additional security by using the safety-clips DIN 11024 to prevent unintentional opening.

**Material:** Malleable iron/steel

**Seal:** Nitrile

**Media:** Compressed air

**Claw Distance:** 42 mm



## Hose Tail with Safety Collar

6295	To Suit Hose ID mm
SKSS13	13
SKSS19	19
SKSS25	25



## Hose Clamps DIN 20039 B, to suit Couplings with Hose Tail &amp; Safety Collar

6295	To Suit Hose ID mm	Hose OD Range mm
SK29	13	22-29
SK34	19	28-32
SK39	25	35-42
SK60	42	55-60
SK44	28	42-45
SK51	35	45-53
SK73	50	60-73



## Female Thread, BSPP

6295	Thread
KISS12	1/2"
KISS34	3/4"
KISS10	1"



## Universal Safety Clip DIN 11024


6295
USC-1




## Male Thread, BSPP

6295	Thread
KASS12	1/2"
KASS34	3/4"
KASS10	1"

## ACK Claw Couplings, Forged Steel

 **Working Temperature:**  
-40°C to +95°C

 **Maximum Working Pressure:** 16 bar

High quality coupling for compressed air in construction and industry, equivalent to Atlas Copco.

**Material:** Forged steel, hardened

**Seal:** Nitrile

**Media:** Compressed air

**Claw Distance:** 42 mm



## Hose Tail

6295	To Suit Hose ID mm
ACK38T	10
ACK12T	12.5
ACK34T	20
ACK10T	25



## Female Thread, BSPP

6295	Thread
ACK38I	3/8"
ACK12I	1/2"
ACK34I	3/4"
ACK10I	1"



## Male Thread, BSPP

6295	Thread
ACK38A	3/8"
ACK12A	1/2"
ACK34A	3/4"
ACK10A	1"

# CLAW COUPLINGS



## Claw Couplings DIN 3489, Stainless Steel

Working Temperature:  
-30°C to +200°C

Maximum Working Pressure: 16 bar

Universal system for aggressive fluids in chemical or petrochemical industry, as well as food or drinking water applications.  
Use original DIN 3489 Seal GPOR (EPDM) food or drinking water applications.

**Material:** Stainless steel 1.4401/1.4404  
**Seal:** FKM  
**Media:** Chemical substances  
**Claw Distance:** 42 mm



stainless steel



### Hose Tail

6295	To Suit Hose ID mm
EKT10V	10
EKT13V	13
EKT19V	19
EKT25V	25

stainless steel



### Female Thread, BSPP

6295	Thread
EKI38V	3/8"
EKI12V	1/2"
EKI34V	3/4"
EKI10V	1"

stainless steel



### Male Thread, BSPP

6295	Thread
EKA12V	1/2"
EKA34V	3/4"
EKA10V	1"

stainless steel



### Blank End

6295	Description
EKOV	Blank End
EKMV	Blank End with Chain
EKMV-K	Spare Chain 200mm

## WaterProfi Claw Couplings

Working Temperature:  
+95°C

Maximum Working Pressure: 25 bar

Universal coupling of forged brass for water lines in industry, construction, agriculture or civil installations.

**Material:** Forged brass CW617N  
**Seal:** EPDM

**Media:** Water  
**Claw Distance:** 40 mm



### Hose Tail

6295	To Suit Hose ID mm
GSK10	10
GSK13	13
GSK16	16
GSK19	19
GSK25	25
GSK32	32
GSK38	38



### Female Thread, BSPP with O-Ring

6295	Thread
GKI14	1/4"
GKI38	3/8"
GKI12	1/2"
GKI34	3/4"
GKI10	1"
GKI54	1.1/4"
GKI15	1.1/2"



### Male Thread, BSPP

6295	Thread
GKA14	1/4"
GKA38	3/8"
GKA12	1/2"
GKA34	3/4"
GKA10	1"
GKA54	1.1/4"
GKA15	1.1/2"



### Blank End

6295
GKO



### Original WaterProfi Seal

6295	Medium	Colour	Material	Max Temp °C
GKOR	Water	Black	EPDM	95°C



## European Execution Double Lock Claw Couplings

**Maximum Working Pressure:** 10 bar



### Q1 Hose Tails, Plated

0108	To Suit Hose ID
Q1DLP14	1/4"
Q1DLP38	3/8"
Q1DLP12	1/2"
Q1DLP58	5/8"
Q19SDLP34	3/4" (Q19S)
Q1DLP1	1"
Q1DLP114	1.1/4"

Tech Sheet 20303

**Maximum Working Pressure:** 7 bar



### Q2 Female Thread, Plated, BSPP

0108	Thread
Q2DLP14	1/4"
Q2DLP38	3/8"
Q2DLP12	1/2"
Q2DLP34	3/4"
Q2DLP1	1"
Q2DLP114	1.1/4"

Tech Sheet 20304

**Maximum Working Pressure:** 7 bar



### Q4 Blanking Off End

0108	Q4
Tech Sheet 20306	

**Maximum Working Pressure:** 7 bar



### Q3 Male Thread, Plated, BSPP

0108	Thread
Q3DLP14	1/4"
Q3DLP38	3/8"
Q3DLP12	1/2"
Q3DLP34	3/4"
Q3DLP1	1"
Q3DLP114	1.1/4"

Tech Sheet 20305

### Q Rubbers

0108	Material
QRNIT	Nitrile
QR	Neoprene

Tech Sheet 20307

- 33mm diameter



### Gauze, Stainless Steel

0108	GAUZE

## Double Lock QC Claw Couplings

**Maximum Working Pressure:** 7 bar



### QC1 Hose Tails, Plated

0108	To Suit Hose ID
QC112	1/2"
QC134	3/4"
QC11	1"

**Maximum Working Pressure:** 7 bar



### QC3 Male Thread, Plated, BSPP

0108	Thread
QC312	1/2"
QC334	3/4"
QC31	1"

### QC Rubber

0108	QCR



### QC2 Female Thread, Plated, BSPP

0108	Thread
QC212	1/2"
QC234	3/4"
QC21	1"



### QC2 Female Thread, Gunmetal, BSPP

0108	Thread
QC2GM34	3/4"



# QUICK RELEASE PNEUMATIC HOSE COUPLINGS



## QAY US Execution Claw Couplings

- US execution with bore for safety clip

**Maximum Working Pressure:**  
12 bar



### QAY 1 Hose Tails

0108	To Suit Hose ID
QAY138	3/8"
QAY112	1/2"
QAY134	3/4"
QAY11	1"



### QAY 2 Female Thread, NPT

0108	Thread
QAY238	3/8"
QAY212	1/2"
QAY234	3/4"
QAY21	1"



### QAY 3 Male Thread, NPT

0108	Thread
QAY338	3/8"
QAY312	1/2"
QAY334	3/4"
QAY31	1"



### QAY 4, Hose Tail with Ferrule

0108	To Suit Hose ID
QAY412	1/2"
QAY434	3/4"
QAY41	1"



### QAY Blank End

0108
QAYBE



### Safety Locking Pins

0108
PINS

Tech Sheet 20179



### QAY Spare Rubber

0108
QAYR

## QAC Claw Couplings

**Maximum Working Pressure:** 9.5 bar



### QAC 1 Hose Tail, Forged Steel

0108	To Suit Hose ID
QAC138	3/8"
QAC112	1/2"
QAC134	3/4"
QAC11	1"

Tech Sheet 20308



### QAC 2 Female Thread, Forged Steel, BSPP

0108	Thread
QAC212	1/2"
QAC234	3/4"
QAC21	1"

Tech Sheet 20309



### QAC 3 Male Thread, Forged Steel, BSPP

0108	Thread
QAC312	1/2"
QAC334	3/4"
QAC31	1"

Tech Sheet 20310



### QAC 4 Hose Tail, Forged Steel

0108	To Suit Hose ID
QAC412	1/2"
QAC434	3/4"

Tech Sheet 20311

## SS Claw Couplings

**Maximum Working Pressure:** 9.5 bar



### SS1 Hose Tail

0108	To Suit Hose ID
SS112	1/2"
SS134	3/4"
SS11	1"

Tech Sheet 20316



### SS2 Female Thread, BSPP

0108	Thread
SS212	1/2"
SS234	3/4"
SS21	1"

Tech Sheet 20317



### SS3 Male Thread, BSPP

0108	Thread
SS312	1/2"
SS334	3/4"
SS31	1"

Tech Sheet 20318

Due to the change of finishes used by our supplier, the product you receive may be different to that illustrated.

# QUICK RELEASE WATER HOSE COUPLINGS

## Series GK, Brass Water Couplings



### Hose Tail

0108	To Suit Hose ID
GT38	3/8"
GT58	5/8"
GK-TF13	1/2"
GK-TF19	3/4"
GK-TF25	1"
GK-TF31	1.1/4"
GK-TF38	1.1/2"

Tech Sheet 20333



### Female Thread, BSPP

0101	Thread
GK-IW21	1/2"
GK-IW26	3/4"
GK-IW33	1"
GK-IW42	1.1/4"
GK-IW50	1.1/2"

Tech Sheet 20333



### Male Thread, BSPP

0108	Thread
GM38	3/8"
GK-AW21	1/2"
GK-AW26	3/4"
GK-AW33	1"
GK-AW42	1.1/4"
GK-AW50	1.1/2"

Tech Sheet 20333

## Metal Soft Rain Lance



0108	Length mm
KA-15-20-00	600
KA-15-20-09	900
KA-15-20-12	1200

## Safety Couplings



0108	To Suit Hose ID
GTLC12	1/2"
GTLC34	3/4"
GTLC1	1"

## Spray Nozzles



0101	Thread
GK-SP34	3/4"

## Blanking Cap



0101  
GK-BC

## Triple Outlet Connector



0101  
GK-3Y



## Replacement Seal

0101	Description
GK-GASKET	Suits All Sizes

# CLAMPS, NUTS & BOLTS



Couplings



## Clamps

Note: All sizes are for guidance only. Nuts and bolts included.



### Golden Range Clamps, Zinc & Gold Passivated

0108	Min Size mm	Max Size mm
HD.000	17	22
HD.001	20	29
HD.002	28	35
HD.003	32	40
HD.004	39	49
HD.005	48	60
HD.006	60	76
HD.007	77	94
HD.1	89	101
HD.2	101	113
HD.3	113	127
HD.5	140	154
HD.6	154	175
HD.7	175	194
HD.9	210	225



### SK Clamps, Zinc & Gold Passivated

0108	ID	Min Size mm	Max Size mm
SK34	3/4"	29	34
SK39	1"	33	40
SK44	1.1/4"	41	49
SK51	1.1/2"	47	60
SK73	2"	60	77



### IL Clamps, Zinc & Gold Passivated

0108	ID	Min Size mm	Max Size mm
CILP12	1/2"	17	22
CILP34	3/4"	27	32

Tech Sheet 20393

Note: To suit Staysafe couplings



### Staysafe Clamps, Zinc & Gold Passivated

0108	ID	Min Size mm	Max Size mm
JA2	1/2"	21	25
JA3	3/4"	29	33
JA4	3/4"	31	35

Tech Sheet 20395



### Clamps - Type A /Q19S/SWC, Unplated

0108	ID	OD mm	To Suit Hose OD
CA12	1/2"	19	-
CA34	3/4"	28	-
CA34Q19S/DL	3/4"	29-33	3/4" Q19S DL Coupling
CA1	1"	35	-
CA112	1.1/2"	49-56	1.1/2" A Nut & Tail
CSWC112	1.1/2"	52-55	1.1/2" SWC Nut & Tail
CSWC2	2"	64-71	2" SWC Nut & Tail
CA234	2.3/4"	65-70	2" Nut & Tail

Tech Sheet 20392



### T-Bar Clamps

0108	ID
TBAR2	2"
TBAR3	3"
TBAR4	4"

Tech Sheet 2155



### Plain Type Clamps, Zinc & Gold Passivated

0108	ID	OD mm
CP78	7/8"	-
CP112	1.1/2"	-
CP218	2.1/8"	51
CP234	2.3/4"	70

Tech Sheet 20394

## Nuts & Bolts



0108	Description
NBM840	M8 x 40mm Long
NBM1050	M10 x 50mm Long
NBM1060	M10 x 60mm Long

## Malleable Iron Air & Steam Clamp



0108	ID	OD mm	Bolts
SA1	1/4"	14-17	2 Bolt
SA2	3/8"	17-21	2 Bolt
SA4	1/2"	24-27	2 Bolt
SA5	1/2"	27-30	2 Bolt
SA6	3/4"	30-33	2 Bolt
SA7	3/4"	33-38	2 Bolt
SA8	3/4"	38-43	2 Bolt
SA9	1"	38-43	2 Bolt
SA10	1"	39-44	4 Bolt
SA14	1.1/4"	52-57	4 Bolt
SA15	1.1/2"	52-57	4 Bolt
SA18	1.1/2"	63-69	4 Bolt
SA19	2"	63-69	4 Bolt
SA20	2"	64-71	4 Bolt



## Standpipes



### Unpolished

0108	Description
STANDW	Anti Siphon Double Check Valve (Water Board)
STANDB	Single Swivel Head with HRT Base (Brigade)
STANDC	Contractors Standpipe 3/4"
STANDDS	Double Swivel Head with HRT Base
STANDSP	Single Plug-in Head with HRT Base
STANDS	Contractors Standpipe 3/4" Steel Tap BS10 c/w Doublecheck Valve to BS6282
STANDBG	Spare Standpipe Bottom Gasket

Customers who bought from this page also purchased...

**Water Flex Flexible PVC Water Hose**  
see **Section 7**

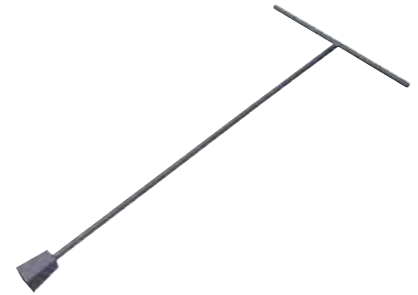


## Manhole Lifting Keys



0108	Size
MAN6	6"
MAN12	12"
MAN20	20"
MAN24	24"

## Drain Key & Bar T Handle



### Unpolished

0108	DKBT
------	------

## Hydrant Keys & Bars



### Unpolished

0108	Description
HYDKB	Aluminium Key & Aluminium Bar
HYDK	Key Only
HYDB	Bar Only



## Shot Blast Couplings



### Malleable Iron

0108	To Suit Hose OD mm
SHOT3101	39
SHOT3102	48
SHOT3103	56
SHOT3104	60

These couplings are designed for use on sandblast and cement placing hose. Supplied with screws.

**Maximum Working Pressure:** 150 psi



### Brass

6000	ID	OD mm
SBO-34	3/4"	39



### Nylon

0108	OD mm
SHOTCQP1	39
SHOTCQP2	48
SHOTCQP4	60

## Threaded Couplings



### Female Thread, Malleable Iron, BSPP

0108	Thread
SHOT3111	1.1/4"
SHOT3110	1.1/2"



### Female Thread, Nylon, BSPP

0108	Thread
SHOTCFP	1.1/4"

## Nozzle Holders



### Alloy

0108	Thread
SD50-32A	48mm Coarse Thread
SD32-32A	48mm x 1.1/4" BSPP



### Nylon

0108	Thread
NHP-34	33mm Coarse Thread
NHP-1	39mm Coarse Thread
HEP-1	39mm x 1.1/4" BSPP

## Shot Blast Screws



0108  
SHOTS

## Safety Clips



0019	Description
LUE-USC-1	3mm Wire Clip

## Rubber Rings



0108	Size
SHOTRSDKD	SKD Standard Seals
SHOTRSDR2	SDR2 for CQP-1
SHOTRSDR3	SDR-3 for CQP-2/3/4, CFP/CFP-50

## Spare Rubber Seal



### Suits All Sizes

0019
LUE-SKD-SEAL



## Thread Stem Adaptors

Thread stem adaptors – to adapt your standard threaded stainless steel camlocks to plain stem types, for use with KSA range of clamps.



Part Code	Clamp Size
LUE-GT1 20-50 SS	KSA-63-67
LUE-GT1 30-75 SS	KSA-89-93

### Female

0019	To Suit Hose ID	Thread
LUE-GT1 20-50 SS	50 x 8 (2")	2"
LUE-GT1 30-75 SS	75 x 8 (3")	3"

## KSA Safety Clamps

Forged aluminium safety clamps, high quality and robust, easy to install and re-usable.



0019	To Suit Hose OD mm
LUE-KSA 36-39	36-39
LUE-KSA 63-67	63-67

## Shot Blast Hose

**Reinforcement:** Textile wrapped.

**Tube:** NR/SBR/BR, Black smooth, antistatic abrasion resistant.

**Cover:** SBR, black, smooth, anti-static cloth impression. Suitable for blasting sand and other media such as quartz sand, steel shot, corundum, glass, etc. The hose has added security against electrical shocks by electrically-conductive lining.

**Working Temperature:**  
-35°C to +80°C  
(ambient temperature)



### 40 Metre Coils, 12 bar Hose

0101	ID mm	OD mm
SBH12-39	25	39
SBH12-48	32	48

# GENUINE UNICONE FITTINGS

## Genuine Unicone Fittings



### Instantaneous Joints with Drab Rubbers

0108	ID mm
UIJ3	80
UIJ4	100
UIJ6	150

Tech Sheet 1936



### Serrated Hose Adaptors

0108	ID mm
USHT3	80
USHT4	100

Tech Sheet 1936



### Neoprene Rings

0108	ID mm
UNR3	80
UNR4	100

Tech Sheet 1936



### Plain Hose Tails

0108	ID mm
UPT3	80
UPT4	100
UPT6	150

Tech Sheet 1936

### Flange Adaptors D/E NP10/16

0108	ID mm
UFA4	100

Tech Sheet 1936



### Blank Ends

0108	ID mm
UBE3	80
UBE4	100

Tech Sheet 1936

### Drab Rubber Rings

0108	ID mm
UDR4	100
UDR5	125
UDR6	150

Tech Sheet 1936

### Weld On Pieces

0108	ID mm
UW4	100

Tech Sheet 1936

### Screwed Male Adaptors x 3 Long

0108	ID mm
USMT4	100

Tech Sheet 1936



# STEEL AIR & STEAM COUPLINGS & CLAMPS



## Male Stem Only



0019	Thread	To Suit Hose ID
GMS-12	1/2"	1/2"
GMS-34	3/4"	3/4"
GMS-1	1"	1"
GMS-114	1.1/4"	1.1/4"
GMS-112	1.1/2"	1.1/2"
GMS-2	2"	2"

## Ground Joint Couplings Complete



0019	Thread	To Suit Hose ID
GJS-12	1/2"	1/2"
GJS-34	3/4"	3/4"
GJS-1	1"	1"
GJS-114	1.1/4"	1.1/4"
GJS-112	1.1/2"	1.1/2"
GJS-2	2"	2"

## Female Spud Only

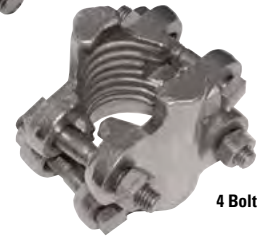


0019	Thread
GSP-34	3/4"
GSP-1	1"
GSP-114	1.1/4"
GSP-112	1.1/2"
GSP-2	2"

## Heavy-duty, 2 & 4 Bolt Clamps



2 Bolt



4 Bolt

0019	Bolts	To Suit Hose OD mm
SBC-12	2 Bolt	24-27
2052-9228	2 Bolt	27-30
SBC-34	2 Bolt	30-33
2052-9236	2 Bolt	33-38
2052-9244	2 Bolt	38-43
SBC-1	4 Bolt	39-43.5
2052-9251	4 Bolt	41-47
2052-9269	4 Bolt	48-52
2052-9277	4 Bolt	52-57
2052-9285	4 Bolt	53-58
SBC-2	4 Bolt	63.5-71
2052-9293	4 Bolt	89-100

Tech Sheet 20396



## Steam Couplings

Heavy robust female and male thread screwings of zinc plated or brass, incl forged safety clamps of brass for steam hoses. Female thread screwing two parts, swivelling. Connecting nut flat sealing with thread sealing ring.

Working Temperature:  
up to 210°C

Maximum Working  
Pressure: 18 bar



### Male Steel Zinc Plated

0108	Thread	To Suit Hose ID mm	Wall Thickness mm
DAK12-13ST	1/2"	13	6
DAK34-19ST	3/4"	19	7
DAK10-25ST	1"	25	7.5
DAK15-38ST	1.1/2"	38	8



### Male Brass

0108	Thread	To Suit Hose ID mm	Wall Thickness mm
DAK12-13MS	1/2"	13	6
DAK34-19MS	3/4"	19	7
DAK10-25MS	1"	25	7.5



### Female Sealing Ring

0108	Size
DGI12	1/2"
DGI34	3/4"
DGI10	1"
DGI15	1.1/2"
DGI20	2"



### Female Steel Zinc Plated

0108	Thread	To Suit Hose ID mm	Wall Thickness mm
DIK12-13ST	1/2"	13	6
DIK34-19ST	3/4"	19	7
DIK10-25ST	1"	25	7.5
DIK15-38ST	1.1/2"	38	8



### Female Brass

0108	Thread	To Suit Hose ID mm	Wall Thickness mm
DIK12-13MS	1/2"	13	6
DIK34-19MS	3/4"	19	7
DIK15-38MS	1.1/2"	38	8

# STEAM HOSE & ASSEMBLIES

## Black Nylon Ply Steam Hose & Assemblies

- Manufactured to BS5122 Type A2 and ISO 6134



### 7 bar Hose, 20 Metre Coils

1370	ID mm	OD mm
BSH-3/4	19	31
BSH-1	25	39

Maximum Working Temperature with Steam:  
+170°C



### 7 bar Assemblies, 20 Metre Coils

1370	ID mm	OD mm
BSHA-3/4	19	31

## Red Steel Reinforced Steam Hose & Assemblies

- Manufactured to BS5342 Type 2A

Maximum Working Temperature with Steam:  
+232°C



### 17 bar Hose, 20 Metre Coils

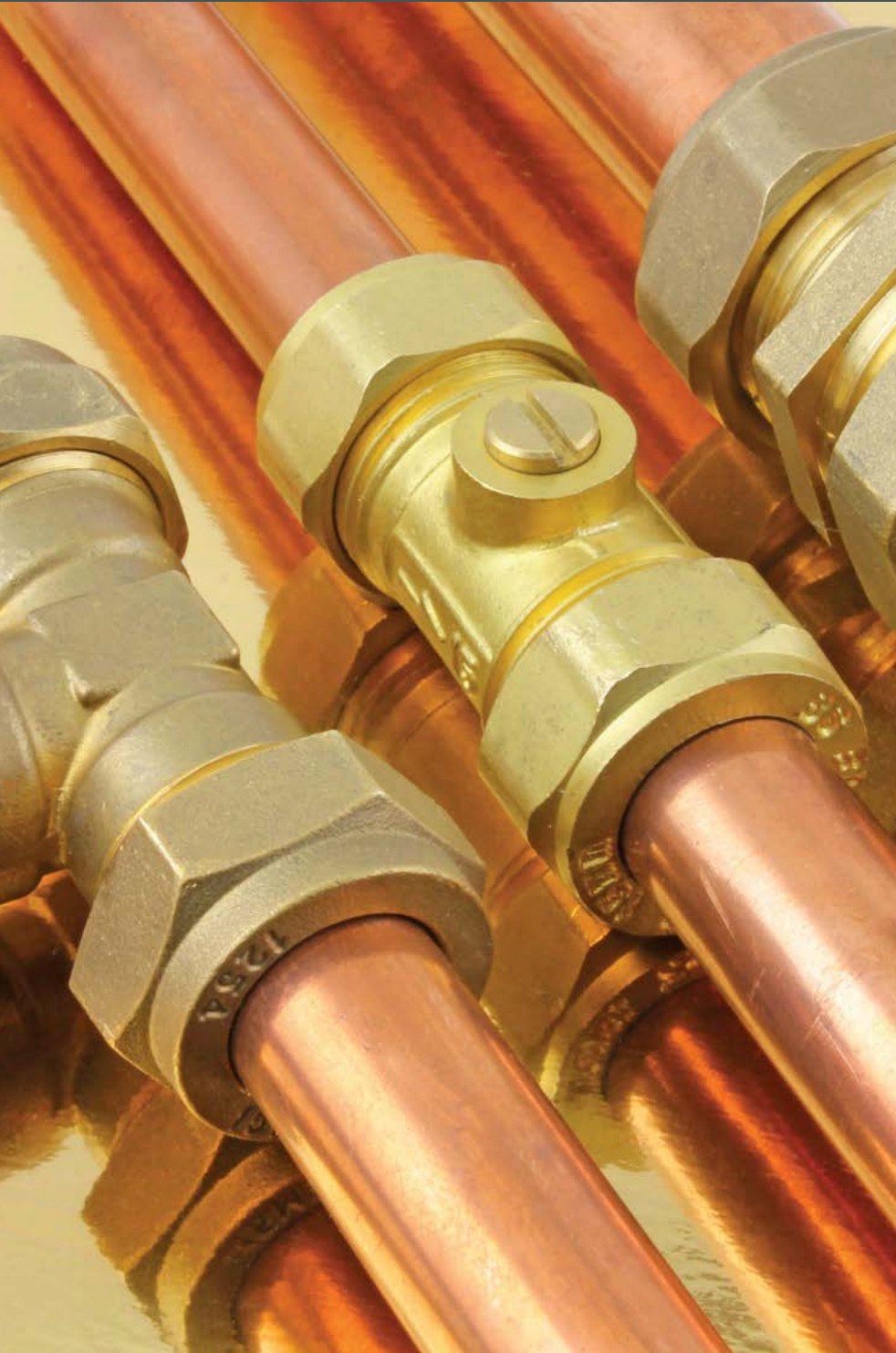
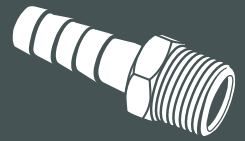
1370	ID mm	OD mm
RSH-3/4	19	32
RSH-1	25	38





# SECTION 2

## Hose Tails, Adaptors & Compression



- **Hose Tails & Adaptors**
- **Manifolds**
- **Rotating & Swivel Joints**
- **ITM Brass Compression**
- **Quick Fit Compression**
- **Air-Pro Brass Compression**
- **Aignep Brass Compression**
- **Wade Brass Compression**
- **Brass Plumbing Compression**
- **Copper & Bundy Tubing**
- **Polypropylene Hose Adaptors**
- **Polypropylene Threaded Adaptors**
- **Tefen Nylon Hose Tails**
- **Tefen Nylon Adaptors**
- **Polypropylene Quick Fit Fittings**
- **Tefen Dosing Pumps**
- **Tefen PVDF Hose Tails**
- **Tefen PVDF Adaptors**
- **Norma Plastic Hose Tails**



Aignep Metric Brass Compression	168-169	Manifolds	146-149
Aignep Nickel Plated Brass Compression	170-171	Minifolds	149
Air-Pro Imperial Brass Compression	164-167	Nickel Plated Brass, Adaptors	131-136
Air-Pro Nickel Plated Hose Tails	128	Nickel Plated Brass, Compression	170-171
Aluminium Hose Tails	121	Nickel Plated Brass, Hose Tails	123
Aluminium Manifolds	146-147	Nickel Plated Brass, Quickfit Compression	159-163
Brass Adaptors	131-143	Norma Plastic Hose Connectors	195-196
Brass Compression	151-183	Plumbing Copper Tube	184
Brass Manifolds	148	Polypropylene Fittings	186-187
Brass Plugs	144-145	Polypropylene Hose Adaptors	186
Brass Plumbing Compression	182-183	Polypropylene Quick Fit Fittings	191
Bundy Tube	185	Polypropylene Threaded Fittings	187
Copper Tubing	184-185	PVDF Adaptors	194
Dosing Pump	192	Quick Fit Compression	159-163
Hose Tails	121-130	Rotating Joints	150
Hose Tails Elbow	126	Swivel Joints	150
Hose Tails Joiner	127	Tefen Dosing Pump	192
Hose Tails Nylon	188-189	Tefen Fittings	188-194
Hose Tails Oxy-Acetylene	130	Tefen Nylon Adaptors	190
Hose Tails Plastic	195-196	Tefen Nylon Fittings	188-190
Hose Tails PVDF	193	Tefen Nylon Hose Tails	188-189
Hose Tails Straight	122-125	Tefen PVDF Fittings	192-194
Hose Tails Tee	126	Wade Imperial Brass Compression	172-177
ITM Interchange Brass Compression	151-158	Wade Metric Brass Compression	178-181

# Hose Tails

## Technical Information:

These lightweight hose tails are manufactured to the highest specification.

## Threads:

Tapered in conformity with ISO 7.1, BS 21, DIN 2999.

## Media:

Compressed air, water, oils and fluids in general for the pneumatic fields

- These lightweight hose tails are manufactured to a high strength specification with a lower cost in comparison to its brass alternative.
- Tapered in conformity with ISO 7.1, BS 21, DIN 2999.
- Has the appearance of brass.
- Lightweight.
- Compressed air, water, oils and fluids in general for the pneumatic fields.

**N.B. Safe pressures and temperatures depend entirely on the hose being used, for this reason the values must be determined in accordance with the hose features.**



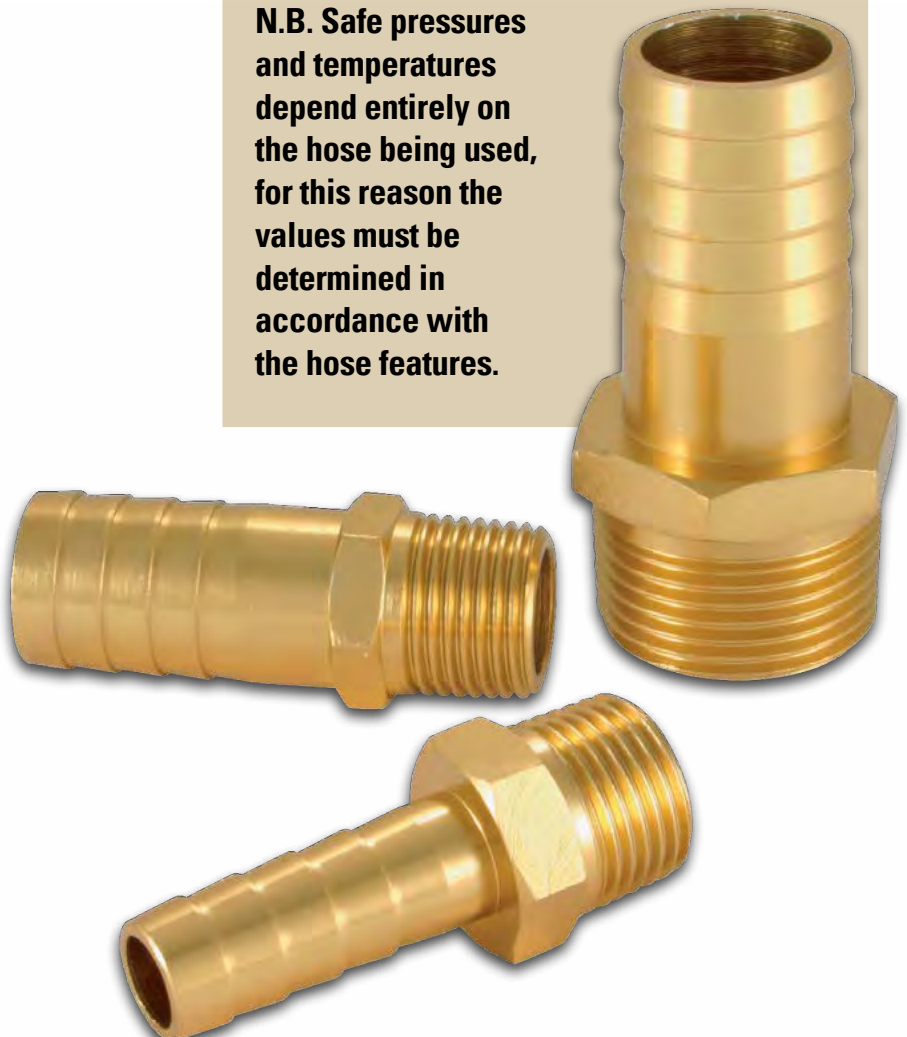
## Straight Hose Tails, Aluminium

 **Working Temperature:**  
0°C to +80°C

 **Maximum Working Pressure:**  
10 bar

### Male Thread, BSPT

0383	Thread	To Suit Hose ID
AGT13/06K	1/4"	1/4"
AGT13/08K	1/4"	5/16"
AGT13/09K	1/4"	3/8"
AGT13/13K	1/4"	1/2"
AGT17/09K	3/8"	3/8"
AGT17/13K	3/8"	1/2"
AGT21/13K	1/2"	1/2"
AGT21/19K	1/2"	3/4"
AGT26/19K	3/4"	3/4"
AGT33/25K	1"	1"





## Nickel Plated Brass & Brass Hose Tails

**This technical data is applicable to the full range of hose tail fittings and Airline fittings including tees, elbows, reducers and silencers etc.**

### **Threads:**

Tapered in conformity with ISO 7.1, BS 21, DIN 2999. Parallel in conformity with ISO 228 class A. Metric in conformity with ISO R/262.

### **Media:**

Compressed air, water, oils and fluids in general for the hydraulic and pneumatic fields.

### **N.B.:**

Safe pressures and temperatures depend entirely on the tubes being used, for this reason the values must be determined in accordance with the tube features.

# HOSE TAILS



## Straight Hose Tails, Brass

### Male Thread, BSPT

1010	Thread	To Suit Hose ID	To Suit Hose ID mm
GT10/04K	1/8"	1/8"	4
GT10/05K	1/8"	3/16"	5
GT10/06K	1/8"	1/4"	6
GT10/08K	1/8"	5/16"	8
GT10/09K	1/8"	3/8"	9
GT10/13K	1/8"	1/2"	13
GT13/04K	1/4"	1/8"	4
GT13/05K	1/4"	3/16"	5
GT13/06K	1/4"	1/4"	6
GT13/08K	1/4"	5/16"	8
GT13/09K	1/4"	3/8"	9
GT13/13K	1/4"	1/2"	13
GT13/16K	1/4"	5/8"	16
GT13/19K	1/4"	3/4"	19
GT17/05K	3/8"	3/16"	5
GT17/06K	3/8"	1/4"	6
GT17/08K	3/8"	5/16"	8
GT17/09K	3/8"	3/8"	9
GT17/13K	3/8"	1/2"	13
GT17/16K	3/8"	5/8"	16
GT17/19K	3/8"	3/4"	19
GT21/05K	1/2"	3/16"	5
GT21/06K	1/2"	1/4"	6
GT21/08K	1/2"	5/16"	8
GT21/09K	1/2"	3/8"	9
GT21/13K	1/2"	1/2"	13
GT21/16K	1/2"	5/8"	16
GT21/19K	1/2"	3/4"	19
GT21/25K	1/2"	1"	25
GT23/16K	5/8"	5/8"	16
GT26/06K	3/4"	1/4"	6
GT26/08K	3/4"	5/16"	8
GT26/09K	3/4"	3/8"	9
GT26/13K	3/4"	1/2"	13
GT26/16K	3/4"	5/8"	16
GT26/19K	3/4"	3/4"	19
GT26/25K	3/4"	1"	25
GT26/31K	3/4"	1.1/4"	31
GT33/13K	1"	1/2"	13
GT33/16K	1"	5/8"	16
GT33/19K	1"	3/4"	19
GT33/25K	1"	1"	25
GT33/31K	1"	1.1/4"	31
GT33/38K	1"	1.1/2"	38
GT42/19K	1.1/4"	3/4"	19
GT42/25K	1.1/4"	1"	25
GT42/31K	1.1/4"	1.1/4"	31
GT48/31K	1.1/2"	1.1/4"	31
GT48/38K	1.1/2"	1.1/2"	38
GT48/50K	1.1/2"	2"	50
GT52/38K	2"	1.1/2"	38
GT52/50K	2"	2"	50
GT56/53K	2.1/2"	2.1/2"	53
GT60/58K	3"	3"	58

Tech Sheet 20089

## Straight Hose Tails, Nickel Plated Brass

### Male Thread, BSPT

1010	Thread	To Suit Hose ID	To Suit Hose ID mm
GT10/04KNP	1/8"	1/8"	4
GT10/05KNP	1/8"	3/16"	5
GT10/06KNP	1/8"	1/4"	6
GT10/08KNP	1/8"	5/16"	8
GT10/09KNP	1/8"	3/8"	9
GT13/04KNP	1/4"	1/8"	4
GT13/05KNP	1/4"	3/16"	5
GT13/06KNP	1/4"	1/4"	6
GT13/08KNP	1/4"	5/16"	8
GT13/09KNP	1/4"	3/8"	9
GT13/13KNP	1/4"	1/2"	13
GT13/16KNP	1/4"	5/8"	16
GT13/19KNP	1/4"	3/4"	19
GT17/05KNP	3/8"	3/16"	5
GT17/06KNP	3/8"	1/4"	6
GT17/08KNP	3/8"	5/16"	8
GT17/09KNP	3/8"	3/8"	9
GT17/13KNP	3/8"	1/2"	13
GT17/16KNP	3/8"	5/8"	16
GT17/19KNP	3/8"	3/4"	19
GT21/06KNP	1/2"	1/4"	6
GT21/08KNP	1/2"	5/16"	8
GT21/09KNP	1/2"	3/8"	9
GT21/13KNP	1/2"	1/2"	13
GT21/16KNP	1/2"	5/8"	16
GT21/19KNP	1/2"	3/4"	19
GT21/25KNP	1/2"	1"	25
GT26/09KNP	3/4"	3/8"	9
GT26/13KNP	3/4"	1/2"	13
GT26/16KNP	3/4"	5/8"	16
GT26/19KNP	3/4"	3/4"	19
GT26/25KNP	3/4"	1"	25
GT33/13KNP	1"	1/2"	13
GT33/19KNP	1"	3/4"	19
GT33/25KNP	1"	1"	25
GT33/38KNP	1"	1.1/2"	38
GT33/31KNP	1"	1.1/4"	31
GT42/19KNP	1.1/4"	3/4"	19
GT42/25KNP	1.1/4"	1"	25
GT42/31KNP	1.1/4"	1.1/4"	31
GT48/38KNP	1.1/2"	1.1/2"	38
GT48/50KNP	1.1/2"	2"	50
GT52/38KNP	2"	1.1/2"	38
GT52/50KNP	2"	2"	50

Tech Sheet 20089



You might also need  
**Braided PVC Hose**  
see **Section 7**

## Straight Hose Tails, Brass



### Male Thread, BSPP

1010	Thread	To Suit Hose ID mm
GBP-14	1/4"	6
GBP-38	3/8"	10
GBP-12	1/2"	13
GBP-34	3/4"	20
GBP-1	1"	25
GBP-114	1.1/4"	32
GBP-112	1.1/2"	38
GBP-2	2"	50
GBP-212	2.1/2"	63
GBP-4	4"	102



### Male Thread, Metric

1010	Thread	To Suit Hose ID mm
MHM5/03	M5 x 0.8	3
MHM5/04	M5 x 0.8	4
MHM6/04	M6 x 1.0	4
MHM8/04	M8 x 1.0	6
MHM10/04	M10 x 1.0	6
MHM10/05	M10 x 1.0	8
MHM10/06	M10 x 1.0	10
MHM12/04	M12 x 1.5	6
MHM12/05	M12 x 1.5	8
MHM12/06	M12 x 1.5	10
MHM14/06	M14 x 1.5	10
MHM16/06	M16 x 1.5	10
MHM16/08	M16 x 1.5	12
MHM18/06	M18 x 1.5	10
MHM18/08	M18 x 1.5	12
MHM22/08	M22 x 1.5	12
MHM22/12	M22 x 1.5	19



### Male Thread, Metric (Aignep)

1010	Thread	To Suit Hose ID mm
15000-M5-4	M5	4
15000-M5-6	M5	6



### Male Thread, 60° Coned Seat, BSPP

1010	Thread	To Suit Hose ID
GT05/03	M5	3mm
GT05/04	M5	4mm
GT06/04	M6	4mm
GT10/04	1/8"	1/8"
GT10/05	1/8"	3/16"
GT10/06	1/8"	1/4"
GT10/08	1/8"	5/16"
GT10/09	1/8"	3/8"
GT13/05	1/4"	3/16"
GT13/04	1/4"	1/8"
GT13/06	1/4"	1/4"
GT13/08	1/4"	5/16"
GT13/09	1/4"	3/8"
GT13/13	1/4"	1/2"
GT17/06	3/8"	1/4"
GT17/08	3/8"	5/16"
GT17/09	3/8"	3/8"
GT17/13	3/8"	1/2"
GT17/16	3/8"	5/8"
GT17/19	3/8"	3/4"
GT21/06	1/2"	1/4"
GT21/08	1/2"	5/16"
GT21/09	1/2"	3/8"
GT21/13	1/2"	1/2"
GT21/16	1/2"	5/8"
GT21/19	1/2"	3/4"
GT21/25	1/2"	1"
GT26/06	3/4"	1/4"
GT26/08	3/4"	5/16"
GT26/10	3/4"	3/8"
GT26/13	3/4"	1/2"
GT26/16	3/4"	5/8"
GT26/19	3/4"	3/4"
GT26/25	3/4"	1"
GT33/13	1"	1/2"
GT33/19	1"	3/4"
GT33/25	1"	1"
GT33/32	1"	1.1/4"
GT42/25	1.1/4"	1"
GT42/32	1.1/4"	1.1/4"
GT42/38	1.1/4"	1.1/2"
GT48/38	1.1/2"	1.1/2"
GT52/38	2"	1.1/2"
GT52/50	2"	2"



### Male Thread, NPT

1010	Thread	To Suit Hose ID mm
650-1003	1/8"	3
650-1004	1/8"	4
650-1005	1/8"	5
650-1006	1/8"	6
650-1008	1/8"	8
650-1010	1/8"	10
650-1305	1/4"	5
650-1306	1/4"	6
650-1308	1/4"	8
650-1310	1/4"	10
650-1312	1/4"	12
650-1706	3/8"	6
650-1708	3/8"	8
650-1710	3/8"	10
650-1712	3/8"	12
650-1713	3/8"	13
650-1716	3/8"	16
650-1719	3/8"	19
650-2106	1/2"	6
650-2108	1/2"	8
650-2110	1/2"	10
650-2113	1/2"	13
650-2116	1/2"	16
650-2119	1/2"	19
650-2125	1/2"	25
650-2612	3/4"	12
650-2616	3/4"	16
650-2625	3/4"	25
650-2625	3/4"	25
650-2632	3/4"	32
650-3312	1"	12
650-3316	1"	16
650-3319	1"	19
650-3325	1"	25
650-3332	1"	32
650-4219	1.1/4"	19
650-4225	1.1/4"	25
650-4232	1.1/4"	32
650-4238	1.1/4"	38
650-4832	1.1/2"	32
650-4838	1.1/2"	38
650-4850	1.1/2"	50
650-5238	2"	38
650-5250	2"	50

# HOSE TAILS

## Straight Hose Tails, Brass



### Male Thread, NPT, Ball Swivel Joints

1010	Thread	To Suit Hose ID
BSJ-IW13	1/4" x 1/4"	-
BSJ-TF06	1/4"	1/4"
BSJ-TF08	1/4"	5/16"
BSJ-TF10	1/4"	3/8"



### Female Thread, BSPP

1010	Thread	To Suit Hose ID
FFH02/03	1/8"	3/16"
FFH02/04	1/8"	1/4"
FFH02/05	1/8"	5/16"
FFH02/06	1/8"	3/8"
FFH04/03	1/4"	3/16"
FFH04/04	1/4"	1/4"
FFH04/05	1/4"	5/16"
FFH04/06	1/4"	3/8"
FFH04/08	1/4"	1/2"
FFH06/04	3/8"	1/4"
FFH06/05	3/8"	5/16"
FFH06/06	3/8"	3/8"
FFH06/08	3/8"	1/2"
FFH08/04	1/2"	1/4"
FFH08/05	1/2"	5/16"
FFH08/06	1/2"	3/8"
FFH08/08	1/2"	1/2"
FFH08/10	1/2"	5/8"
FFH08/12	1/2"	3/4"
FFH08/16	1/2"	1"

## Straight Swivel Hose Tails, Brass



### Swivel Female Thread, 60° Coned Seat, BSPP

1010	Thread	To Suit Hose ID
FH10/18	1/8"	1/8"
FH10/316	1/8"	3/16"
FH10/14	1/8"	1/4"
FH13/18	1/4"	1/8"
FH13/316	1/4"	3/16"
FH13/14	1/4"	1/4"
FH13/516	1/4"	5/16"
FH13/38	1/4"	3/8"
FH17/14	3/8"	1/4"
FH17/516	3/8"	5/16"
FH17/38	3/8"	3/8"
FH17/12	3/8"	1/2"
FH21/14	1/2"	1/4"
FH21/516	1/2"	5/16"
FH21/38	1/2"	3/8"
FH21/12	1/2"	1/2"
FH21/58	1/2"	5/8"
FH26/12	3/4"	1/2"
FH26/58	3/4"	5/8"
FH26/34	3/4"	3/4"
FH33/12	1"	1/2"
FH33/58	1"	5/8"
FH33/34	1"	3/4"
FH33/1	1"	1"
FH42/114	1.1/4"	1"
FH42/114	1.1/4"	1.1/4"
FH48/114	1.1/2"	1.1/4"
FH48/112	1.1/2"	1.1/2"
FH52/112	2"	1.1/2"
FH52/2	2"	2"



### Swivel Female Thread, Flat Faced Seat with Washer, BSPP

1010	Thread	To Suit Hose ID
FH10/18FF	1/8"	1/8"
FH10/316FF	1/8"	3/16"
FH10/14FF	1/8"	1/4"
FH13/316FF	1/4"	3/16"
FH13/14FF	1/4"	1/4"
FH13/516FF	1/4"	5/16"
FH13/38FF	1/4"	3/8"
FH17/14FF	3/8"	1/4"
FH17/516FF	3/8"	5/16"
FH17/38FF	3/8"	3/8"
FH17/12FF	3/8"	1/2"
FH21/14FF	1/2"	1/4" (6)
FH21/516FF	1/2"	5/16"
FH21/38FF	1/2"	3/8"
FH21/12FF	1/2"	1/2"
FH21/58FF	1/2"	5/8"
FH26/12FF	3/4"	3/8" (10)
FH26/12FF	3/4"	1/2"
FH26/58FF	3/4"	5/8"
FH26/34FF	3/4"	3/4"
FH33/12FF	1"	1/2" (12)
FH33/58FF	1"	5/8" (16)
FH33/34FF	1"	3/4" (19)
FH33/1FF	1"	1"
FH42/114FF	1.1/4"	1.1/4"
FH48/112FF	1.1/2"	1.1/2"
FH52/2FF	2"	2"





## Elbow Hose Tails, Brass



## Male Thread, BSPT

1010	Thread	To Suit Hose ID mm
600-1008	1/8"	8
600-1306	1/4"	6
600-1308	1/4"	8
600-1310	1/4"	10
600-1708	3/8"	8
600-1710	3/8"	10



## Swivel Female Thread, Coned Seat, BSPP

1010	Thread	To Suit Hose ID mm
628-1006	1/8"	6
628-1305	1/4"	5
628-1306	1/4"	6
628-1308	1/4"	8
628-1310	1/4"	10
628-1706	3/8"	6
628-1708	3/8"	8
628-1710	3/8"	10
628-2110	1/2"	10
628-2112	1/2"	12



## Female Thread, BSPP

1010	Thread	To Suit Hose ID	To Suit Hose ID mm
FET14-516	1/4"	5/16"	8
FET14-38	1/4"	3/8"	10
FET38-38	3/8"	3/8"	10
FET38-12	3/8"	1/2"	13

Tech Sheet 20182



## Male Thread, BSPT

1010	Thread	To Suit Hose ID	To Suit Hose ID mm
EHT-18-6	1/8"	1/4"	6
EHT-18-8	1/8"	5/16"	8
EHT-18-10	1/8"	3/8"	10
EHT-14-6	1/4"	1/4"	6
EHT-14-8	1/4"	5/16"	8
EHT-14-10	1/4"	3/8"	10
EHT-14-13	1/4"	1/2"	13
EHT-38-6	3/8"	1/4"	6
EHT-38-8	3/8"	5/16"	8
EHT-38-10	3/8"	3/8"	10
EHT-38-13	3/8"	1/2"	13
EHT-12-8	1/2"	5/16"	8
EHT-12-10	1/2"	3/8"	10
EHT-12-13	1/2"	1/2"	13

Tech Sheet 20349



## Female Thread, BSPT

1010	Thread	To Suit Hose ID	To Suit Hose ID mm
FHW06/0690NP	3/8"	3/8"	10
FHW08/0690NP	1/2"	3/8"	10
FHW08/0890NP	1/2"	1/2"	12
FHW12/0690NP	3/4"	3/8"	10
FHW12/0890NP	3/4"	1/2"	12
FHW12/1090NP	3/4"	5/8"	16
FHW12/1290NP	3/4"	3/4"	19
FHW16/1690NP	1"	1"	25

## Y Hose Tails, Brass



1010	To Suit Hose ID	To Suit Hose ID mm
2020-1940	3/16"	5
2020-1943	1/4"	6
2020-1950	5/16"	8
2020-1968	3/8"	10
2020-1976	1/2"	12

## Cross Hose Tails, Brass



1010	To Suit Hose ID	To Suit Hose ID mm
2020-1901	1/4"	6
2020-1919	5/16"	8
2020-1927	3/8"	10
2020-1935	1/2"	12

Tech Sheet 20349

## Tee Hose Tails, Brass



## Single Barbed

1010	To Suit Hose ID	To Suit Hose ID mm
620-2106	1/4"	6
620-2108	5/16"	8
620-2110	3/8"	10
620-2112	1/2"	12



## Multi Barbed

1010	To Suit Hose ID	To Suit Hose ID mm
THT-5	3/16"	5
THT-6	1/4"	6
THT-8	5/16"	8
THT-10	3/8"	10
THT-13	1/2"	13
HRCT12	3/4"	19

Tech Sheet 20348



# HOSE TAILS

## Hose Joiners, Brass



### Equal

0422	To Suit Hose ID
DS04/04	1/8"
DS05/05	3/16"
DS06/06	1/4"
DS08/08	5/16"
DS09/09	3/8"
DS13/13	1/2"
DS16/16	5/8"
DS19/19	3/4"
DS25/25	1"
DS31/31	1.1/4"
DS38/38	1.1/2"
DS50/50	2"

### Unequal

0422	To Suit Hose ID	To Suit Hose ID
DS09/06	3/8"	1/4"
DS13/06	1/2"	1/4"
DS13/08	1/2"	5/16"
DS13/09	1/2"	3/8"
DS16/09	5/8"	3/8"
DS16/13	5/8"	1/2"
DS19/09	3/4"	3/8"
DS19/13	3/4"	1/2"
DS19/16	3/4"	5/8"
DS25/19	1"	3/4"

## Metric Stand Pipe



0422	Stand Pipe mm	To Suit Hose ID mm
CL15-10	15	10
CL15-13	15	13

## Lugged Fittings



### Male Thread, BSPP

0422	Thread	To Suit Hose ID
LM16	1"	1"
LM32	2"	2"
LM48	3"	3"



## Hose Repair Connector

0422	To Suit Hose ID	To Suit Hose ID mm
LFHRC12/12	3/4"	19



### Female Thread, BSPP

0422	Thread	To Suit Hose ID
LF08	1/2"	1/2"
LF12/08	3/4"	1/2"
LF12	3/4"	3/4"
LF16/12	1"	3/4"
LF16	1"	1"
LF20	1.1/4"	1.1/4"
LF24	1.1/2"	1.1/2"
LF32	2"	2"
LF48	3"	3"
LF64	4"	4"

## Bulkhead Adaptor



### Bulkhead Straight Hose Adaptor

0422	To Suit Hose ID mm	To Suit Hose ID mm
15040-4-3	4	3
15040-6-4	6	4



### Bulkhead Elbow Hose Adaptor

0422	To Suit Hose ID mm
15130-4	4

## Soldering Nut & Nipple



### Female Thread, BSPP

0422	Thread	To Suit Hose ID
SN02/03	1/8"	3/16"
SN04/04	1/4"	1/4"
SN04/05	1/4"	5/16"
SN06/06	3/8"	3/8"
SN08/08	1/2"	1/2"
SN12/12	3/4"	3/4"

## Straight Hose Tails, Nickel Plated Brass



## Male Thread, BSPT

1010	Thread	To Suit Hose ID mm
3040-4-1/8	1/8"	4
3040-6-1/8	1/8"	6
3040-7-1/8	1/8"	7
3040-8-1/8	1/8"	8
3040-9-1/8	1/8"	9
3040-10-1/8	1/8"	10
3040-6-1/4	1/4"	6
3040-7-1/4	1/4"	7
3040-8-1/4	1/4"	8
3040-9-1/4	1/4"	9
3040-10-1/4	1/4"	10
3040-12-1/4	1/4"	12
3040-8-3/8	3/8"	8
3040-9-3/8	3/8"	9
3040-10-3/8	3/8"	10
3040-12-3/8	3/8"	12
3040-14-3/8	3/8"	14
3040-16-3/8	3/8"	16
3040-17-3/8	3/8"	17
3040-18-3/8	3/8"	18
3040-20-3/8	3/8"	20
3040-9-1/2	1/2"	9
3040-10-1/2	1/2"	10
3040-12-1/2	1/2"	12
3040-14-1/2	1/2"	14
3040-15-1/2	1/2"	15
3040-16-1/2	1/2"	16
3040-17-1/2	1/2"	17
3040-18-1/2	1/2"	18
3040-20-1/2	1/2"	20
3040-16-3/4	3/4"	16
3040-18-3/4	3/4"	18
3040-20-3/4	3/4"	20
3040-25-3/4	3/4"	25
3040-25-1	1"	25

Tech Sheet 10700



## Male Thread, BSPP

1010	Thread	To Suit Hose ID mm
3045-4.5-M5	M5	4.5
3045-4-1/8	1/8"	4
3045-6-1/8	1/8"	6
3045-7-1/8	1/8"	7
3045-8-1/8	1/8"	8
3045-9-1/8	1/8"	9
3045-6-1/4	1/4"	6
3045-7-1/4	1/4"	7
3045-8-1/4	1/4"	8
3045-9-1/4	1/4"	9
3045-12-1/4	1/4"	12
3045-9-3/8	3/8"	9
3045-12-3/8	3/8"	12
3045-17-3/8	3/8"	17
3045-9-1/2	1/2"	9
3045-12-1/2	1/2"	12
3045-15-1/2	1/2"	15
3045-17-1/2	1/2"	17

Tech Sheet 10701



## Male Thread, BSPT

1010	Thread	To Suit Hose ID mm
MC3/4-19	3/4"	19
MC1-25	1"	25



## Female Thread, BSPP

0422	Thread	To Suit Hose ID mm
FHT6/10	1/8"	6
FHT6/13	1/4"	6
FHT7/10	1/8"	7
FHT7/13	1/4"	7
FHT8/13	1/4"	8
FHT9/13	1/4"	9
FHT9/17	3/8"	9
FHT10/13	1/4"	10
FHT10/17	3/8"	10
FHT12/17	3/8"	12
FHT12/21	1/2"	12

Tech Sheet 10702

## Elbow Hose Tails, Nickel Plated Brass



## Male Thread, BSPT

1020	Thread	To Suit Hose ID	To Suit Hose ID mm
3055-6-1/8	1/8"	1/4"	6
3055-6-1/4	1/4"	1/4"	6
3055-9-1/4	1/4"	3/8"	9

Tech Sheet 10702



# HOSE TAILS

## Straight Hose Tails, Steel Zinc Plated



### Male Thread, BSPP

1011	Thread	To Suit Hose ID
2049-1445	1/4"	1/4"
2049-1460	3/8"	3/8"
2049-1478	1/2"	1/2"
2049-1502	3/4"	3/4"
2049-1528	1"	1"



### Male Thread, BSPT, Safety Locking Collar

1011	Thread	To Suit Hose ID
SMH18-14	1/8"	1/4"
SMH14-38	1/4"	3/8"
SMH14-12	1/4"	1/2"
SMH38-14	3/8"	1/4"
SMH12-38	1/2"	3/8"
SMH12-12	1/2"	1/2"
SMH12-34	1/2"	3/4"
SMH34-12	3/4"	1/2"
SMH34-34	3/4"	3/4"
SMH01-01	1"	1"



### Male Thread, BSPT

1011	Thread	To Suit Hose ID
2049-1536	1/4"	1/4"
2049-1537	1/4"	5/16"
2052-8998	1/4"	3/8"
2049-1538	1/4"	1/2"
2049-1539	3/8"	1/4"
2049-1540	3/8"	5/16"
2049-1544	3/8"	3/8"
2052-9020	3/8"	1/2"
2052-9038	1/2"	3/8"
2049-1551	1/2"	1/2"
2052-9046	3/4"	1/2"
2052-9053	3/4"	1"
2049-1577	1"	1"



### Swivel Female Thread, Flat Faced Seat with Washer, BSPP

1011	Thread	To Suit Hose ID
2049-1585	1/2"	1/2"
2049-1593	3/4"	3/4"
2049-1601	1"	1"
2049-1619	1.1/4"	1.1/4"



### Swivel Female Thread, Coned Seat, BSPP

1011	Thread	To Suit Hose ID
2049-1630	1/4"	1/4"
2049-1633	1/4"	5/16"
2049-1638	1/4"	3/8"
2049-1640	3/8"	3/8"
2049-1643	1/2"	1/2"
2049-1668	3/4"	3/4"
2049-1684	1"	1"

## Combination Nipple, Steel Zinc Plated



### Male Thread, BSPT

1011	Thread	To Suit Hose ID
CMH08/08	1/2"	1/2"
CMH12/12	3/4"	3/4"
CMH16/16	1"	1"
CMH20/20	1.1/4"	1.1/4"
CMH24/24	1.1/2"	1.1/2"
CMH32/32	2"	2"
CMH40/40	2.1/2"	2.1/2"
CMH48/48	3"	3"
CMH64/64	4"	4"
CMH64/64	4"	4"

## Straight Hose Tail, Steel Plated



### Swivel Male Thread, BSPT

1011	Thread	To Suit Hose ID
MH04/04S	1/4"	1/4"
MH06/06S	3/8"	3/8"

## Hose Joiners, Steel



### Equal

1011	To Suit Hose ID
SHRC04/04	1/4"
SHRC05/05	5/16"
SHRC06/06	3/8"
SHRC08/08	1/2"



### Equal

1011	To Suit Hose ID
SHRC12/12	3/4"
SHRC16/16	1"
SHRC20/20	1.1/4"
SHRC24/24	1.1/2"
SHRC32/32	2"
SHRC40/40	2.1/2"
SHRC48/48	3"
SHRC64/64	4"

## Emergency Hose Connector Set



7000  
HCKIT01

## OXY-ACETYLENE FITTINGS



## Hose Tails



## Acetylene Hose Tail LH Thread, BSPP

0121	Thread	Hosetail
GA04/04	1/4"	1/4"
GA06/04	3/8"	1/4"
GA06/05	3/8"	5/16"
GA06/06	3/8"	3/8"



## Oxygen Hose Tail RH Thread, BSPP

0121	Thread	Hosetail
G004/04	1/4"	1/4"
G006/04	3/8"	1/4"
G006/05	3/8"	5/16"
G006/06	3/8"	3/8"



## Acetylene Hose Tail with Safety Check Valve LH Thread, BSPP

0121	Thread	Hosetail
GAV06/04	3/8"	1/4"
GAV06/05	3/8"	5/16"
GAV06/06	3/8"	3/8"



## Oxygen Hose Tail with Safety Check Valve RH Thread, BSPP

0121	Thread	Hosetail
GOV04/04	1/4"	1/4"
GOV06/04	3/8"	1/4"
GOV06/05	3/8"	5/16"
GOV06/06	3/8"	3/8"

# NICKEL PLATED BRASS ADAPTORS

Temperature:  
+300 °C

Maximum Working Pressure  
1/8" - 150 bar   1/4" - 100 bar   3/8" - 75 bar   1/2" - 50 bar   3/4" - 85 bar   1" - 80 bar

## Equal Male Adaptors



### Male Thread, BSPT

0422	Thread
DN10/10K	1/8"
DN13/13K	1/4"
DN17/17K	3/8"
DN21/21K	1/2"
DN26/26K	3/4"
DN33/33K	1"
DN42/42K	1.1/4"
DN50/50K	1.1/2"
DN55/55K	2"

Tech Sheet 1620



### Male Thread, Metric & BSPP

0422	Thread
DN05/05	M5
DN10/10	1/8"
DN13/13	1/4"
DN17/17	3/8"
DN21/21	1/2"
DN26/26	3/4"
DN33/33	1"
DN42/42	1.1/4"
DN50/50	1.1/2"
DN55/55	2"

Tech Sheet 1620

## Unequal Male Adaptors



### Male Thread, BSPT

0422	Thread	Thread
DN10/13K	1/8"	1/4"
DN10/17K	1/8"	3/8"
DN10/21K	1/8"	1/2"
DN13/17K	1/4"	3/8"
DN13/21K	1/4"	1/2"
DN17/21K	3/8"	1/2"
DN21/26K	1/2"	3/4"
DN26/33K	3/4"	1"
DN33/42K	1"	1.1/4"
DN42/50K	1.1/4"	1.1/2"
DN50/55K	1.1/2"	2"

Tech Sheet 1622



### Male Thread, Metric & BSPP

0422	Thread	Thread
DN05/10	M5	1/8"
DN10/13	1/8"	1/4"
DN10/17	1/8"	3/8"
DN13/10	1/4"	1/8"
DN13/17	1/4"	3/8"
DN13/21	1/4"	1/2"
DN17/13	3/8"	1/4"
DN17/21	3/8"	1/2"
DN21/13	1/2"	1/4"
DN21/17	1/2"	3/8"
DN21/26	1/2"	3/4"
DN26/21	3/4"	1/2"
DN26/33	3/4"	1"
DN33/42	1"	1.1/4"
DN42/50	1.1/4"	1.1/2"
DN50/55	1.1/2"	2"

Tech Sheet 1622

## Male x Female Adaptors



### Male Thread, BSPT x Female Thread, BSPP

0422	Male Thread	Female Thread
RL10/10K	1/8"	1/8"
RL10/13K	1/8"	1/4"
RL10/17K	1/8"	3/8"
RL13/13K	1/4"	1/4"
RL13/17K	1/4"	3/8"
RL13/21K	1/4"	1/2"
RL17/17K	3/8"	3/8"
RL17/21K	3/8"	1/2"
RL17/26K	3/8"	3/4"
RL21/21K	1/2"	1/2"
RL21/26K	1/2"	3/4"
RL21/33K	1/2"	1"
RL26/26K	3/4"	3/4"
RL26/33K	3/4"	1"
RL33/33K	1"	1"

Tech Sheet 10704

### Male Thread, BSPP x Female Thread, Metric & BSPP

0422	Male Thread	Female Thread
RL05/05	M5	M5
RL05/10	M5	1/8"
RL10/10	1/8"	1/8"
RL10/13	1/8"	1/4"
RL10/17	1/8"	3/8"
RL13/13	1/4"	1/4"
RL13/17	1/4"	3/8"
RL13/21	1/4"	1/2"
RL17/17	3/8"	3/8"
RL17/21	3/8"	1/2"
RL17/26	3/8"	3/4"
RL21/21	1/2"	1/2"
RL21/26	1/2"	3/4"
RL21/33	1/2"	1"
RL26/26	3/4"	3/4"
RL26/33	3/4"	1"
RL33/33	1"	1"

Tech Sheet 10704



### Extension, Male Thread, BSPP x Female Thread, BSPP

0422	Thread	Length mm
RL05/05X	M5	18.5
RL10/10X	1/8"	22
RL10/10Y	1/8"	42
RL13/13X	1/4"	35
RL13/13Y	1/4"	51
RL17/17X	3/8"	41
RL21/21X	1/2"	35
RL26/26X	3/4"	50
RL33/33X	1"	50

Tech Sheet 10704

X = Standard Length (as photo), Y = Extended Length

### Male Thread, NPTF x Female Thread, BSPP

0422	Thread
RL10/10KN	1/8"
RL13/13KN	1/4"
RL17/17KN	3/8"

Tech Sheet 10704

### Male Thread, BSPP x Female Thread, NPTF

0422	Thread
RL10/10N	1/8"
RL13/13N	1/4"
RL17/17N	3/8"
RL21/21N	1/2"

Tech Sheet 10704



You might also need  
**Hose & Tubing**  
see **Section 7**





## Equal Swivel Connectors



### Male Thread, BSPT x Female Thread, BSPP

0422	Thread
2110-18	1/8"
2110-14	1/4"
2110-38	3/8"

Tech Sheet 10704



### Male Thread, BSPP x Female Thread, BSPP

0422	Thread
2115-18	1/8"
2115-14	1/4"
2115-38	3/8"

Tech Sheet 10704

**Note:**

Un-plated only.



### Male Thread, BSPT x Female Thread, BSPP

0422	Thread
SF10	1/8"
SF13	1/4"
SF17	3/8"
SF21	1/2"

Tech Sheet 10704

## Equal Bulkhead Connectors



### Female Thread, Metric & BSPP x Male Thread, Metric

0422	Female Thread	Male Thread
3060-M5	M5	M10 x 1
3060-1/8	1/8"	M16 x 1.5
3060-1/4	1/4"	M20 x 1.5
3060-3/8	3/8"	M26 x 1.5
3060-1/2	1/2"	M28 x 1.5
3060-3/4	3/4"	M33 x 1.5
3060-1	1"	M42 x 1.5

Tech Sheet 10702

## Equal Sockets



### Female Thread, Metric & BSPP

0422	Thread
MU05	M5
MU10	1/8"
MU13	1/4"
MU17	3/8"
MU21	1/2"
MU26	3/4"
MU33	1"

Tech Sheet 1621

## Unequal Sockets



### Female Thread, Metric & BSPP

0422	Thread	Thread
MU05/10	M5	1/8"
MU10/13	1/8"	1/4"
MU10/17	1/8"	3/8"
MU10/21	1/8"	1/2"
MU13/17	1/4"	3/8"
MU13/21	1/4"	1/2"
MU17/21	3/8"	1/2"
MU17/26	3/8"	3/4"
MU21/26	1/2"	3/4"
MU21/33	1/2"	1"
MU26/33	3/4"	1"

Tech Sheet 1621

## Reducing Bushes



### Male Thread, BSPP x Female Thread, Metric & BSPP

0422	Male Thread	Female Thread
RK05/10	1/8"	M5
RK05/13	1/4"	M5
RK10/13	1/4"	1/8"
RK10/17	3/8"	1/8"
RK10/21	1/2"	1/8"
RK13/17	3/8"	1/4"
RK13/21	1/2"	1/4"
RK13/26	3/4"	1/4"
RK17/21	1/2"	3/8"
RK17/26	3/4"	3/8"
RK17/33	1"	3/8"
RK21/26	3/4"	1/2"
RK21/33	1"	1/2"
RK26/33	1"	3/4"
RK33/42	1.1/4"	1"
RK42/50	1.1/2"	1.1/4"
RK42/55	2"	1.1/4"
RK50/55	2"	1.1/2"

Tech Sheet 1623



### Male Thread, BSPT x Female Thread, BSPP

0422	Male Thread	Female Thread
RK05/10K	1/8"	M5x0.8
RK10/13K	1/4"	1/8"
RK10/17K	3/8"	1/8"
RK13/17K	3/8"	1/4"
RK10/21K	1/2"	1/8"
RK13/21K	1/2"	1/4"
RK17/21K	1/2"	3/8"
RK10/26K	3/4"	1/8"
RK13/26K	3/4"	1/4"
RK17/26K	3/4"	3/8"
RK21/26K	3/4"	1/2"
RK13/33K	1"	1/4"
RK17/33K	1"	3/8"
RK21/33K	1"	1/2"
RK26/33K	1"	3/4"
RK21/42K	1.1/4"	1/2"
RK26/42K	1.1/4"	3/4"
RK33/42K	1.1/4"	1"
RK33/50K	1.1/2"	1"
RK33/55K	2"	1"
RK42/55K	2"	1.1/4"
RK50/55K	2"	1.1/2"

Tech Sheet 1623

**Note:**

\*Un-plated only.



### Male Thread, BSPP x Female Thread, Metric & BSPP

0422	Male Thread	Female Thread
2095-10/M5	1/8"	M5
2095-13/10	1/4"	1/8"
2095-17/10	3/8"	1/8"
2095-17/13	3/8"	1/4"
2095-21/13	1/2"	1/4"
2095-21/17*	1/2"	3/8"
2095-26/17	3/4"	3/8"
2095-26/21*	3/4"	1/2"
2095-33/21	1"	1/2"
2095-33/26*	1"	3/4"

Tech Sheet 1623

# NICKEL PLATED BRASS ADAPTORS



## Equal Elbows



### Female Thread, Metric & BSPP

0422	Thread
WIM5	M5
WI10	1/8"
WI13	1/4"
WI17	3/8"
WI21	1/2"
WI26	3/4"
WI33	1"

Tech Sheet 1093



### Male Thread, Metric & BSPT x Female Thread, Metric & BSPP

0422	Thread
WSLM5	M5
WSL10	1/8"
WSL13	1/4"
WSL17	3/8"
WSL21	1/2"
WSL26	3/4"
WSL33	1"

Tech Sheet 1093



### Male Thread, Metric & BSPT

0422	Thread
WAM5	M5
WA10	1/8"
WA13	1/4"
WA17	3/8"
WA21	1/2"
WA26	3/4"
WA33	1"

Tech Sheet 1093

## Equal Tees



### Offset Male Thread, BSPT x Female Thread, BSPP

0422	Thread
TD10	1/8"
TD13	1/4"
TD17	3/8"
TD21	1/2"
TD26	3/4"
TD33	1"

Tech Sheet 1094



### Branch Female Thread, Metric & BSPP x Male Thread, Metric & BSPT

0422	Thread
TCM5	M5
TC10	1/8"
TC13	1/4"
TC17	3/8"
TC21	1/2"
TC26	3/4"
TC33	1"

Tech Sheet 1094



### Male Thread, BSPT

0422	Thread
TA10	1/8"
TA13	1/4"
TA17	3/8"
TA21	1/2"
TA26	3/4"
TA33	1"

Tech Sheet 1094



### Female Thread, Metric & BSPP

0422	Thread
TIM5	M5
TI10	1/8"
TI13	1/4"
TI17	3/8"
TI21	1/2"
TI26	3/4"
TI33	1"

Tech Sheet 1094



### Branch Male Thread, Metric & BSPT x Female Thread, Metric & BSPP

0422	Thread
TKL05	M5
TKL10	1/8"
TKL13	1/4"
TKL17	3/8"
TKL21	1/2"
TKL26	3/4"
TKL33	1"

Tech Sheet 1094



### Offset Female Thread, Metric & BSPP x Male Thread, Metric & BSPT

0422	Thread
TB05	M5
TB10	1/8"
TB13	1/4"
TB17	3/8"
TB21	1/2"
TB26	3/4"
TB33	1"

Tech Sheet 1094

### Equal Block Elbows



#### Male Thread, BSPP x Female Thread, BSPP

0422	Thread
6070-1/8	1/8"
6070-1/4	1/4"

### Equal Block Tees



#### Male Thread, BSPP x Female Thread, BSPP

0422	Thread
6080-1/8	1/8"
6080-1/4	1/4"

### 90° Wall Bracket Fitting



#### Female Thread, BSPP

0422	Thread
5050-1/2	1/2"

Tech Sheet 10703

### Equal Crosses



#### Male Thread BSPT x Female Thread, BSPP

0422	Thread
FD10	1/8"
FD13	1/4"
FD17	3/8"
FD21	1/2"

Tech Sheet 1095



#### Male Thread, BSPT

0422	Thread
FE10	1/8"
FE13	1/4"
FE17	3/8"
FE21	1/2"

Tech Sheet 1095



#### Female Thread, BSPP

0422	Thread
FC10	1/8"
FC13	1/4"
FC17	3/8"
FC21	1/2"

Tech Sheet 1095

### Equal Y Connectors



#### Female Thread, BSPP

0422	Thread
ZO-10	1/8"
ZO-13	1/4"
ZO-17	3/8"
ZO-21	1/2"

Tech Sheet 1096



#### Male Thread, BSPT x Female Thread, BSPP

0422	Male Thread
XO-10	1/8"
XO-13	1/4"
XO-17	3/8"
XO-21	1/2"

Tech Sheet 1096

### Triple Outlet



#### Female Thread, BSPP

0422	Thread
TO06NP	3/8"

# NICKEL PLATED BRASS ADAPTORS

## Blanking Plugs



### Male Thread, BSPT

0422	Thread
VZ10K	1/8"
VZ13K	1/4"
VZ17K	3/8"
VZ21K	1/2"
VZ26K	3/4"
VZ33K	1"
VZ42K	1.1/4"



### Male Thread, Metric & BSPP

0422	Thread
VZ05	M5
VZ10	1/8"
VZ13	1/4"
VZ17	3/8"
VZ21	1/2"
VZ26	3/4"
VZ33	1"

Tech Sheet 10704

## Blanking Caps



### Female Thread, BSPP

0422	Thread
VK10	1/8"
VK13	1/4"
VK17	3/8"
VK21	1/2"
VK26	3/4"
VK33	1"

Tech Sheet 10700



### Nitrile O-Ring Seal & Hexagon Recess, Male Thread, Metric & BSPP

0422	Thread
ZV-05	M5
ZV-10	1/8"
ZV-13	1/4"
ZV-17	3/8"
ZV-21	1/2"
ZV-26	3/4"
ZV-33	1"

Tech Sheet 10704



### FKM O-Ring Seal & Hexagon Recess, Male Thread, Metric & BSPP

0422	Thread
ZV-05FKM	M5
ZV-10FKM	1/8"
ZV-13FKM	1/4"
ZV-17FKM	3/8"
ZV-21FKM	1/2"

## Lock Nuts



### Female Thread, BSPP

0422	Thread
KM10WN	1/8"
KM13WN	1/4"
KM17WN	3/8"
KM21WN	1/2"
KM26WN	3/4"

Tech Sheet 10702

## Allen Key Plugs



### Male Thread, BSPT

0422	Thread
3025-1/8	1/8"
3025-1/4	1/4"
3025-3/8	3/8"
3025-1/2	1/2"
3025-3/4	3/4"
3025-1	1"

Tech Sheet 10700



### Male Thread, BSPP

0422	Thread
3026-1/8	1/8"
3026-1/4	1/4"
3026-3/8	3/8"
3026-1/2	1/2"
3026-3/4	3/4"

Tech Sheet 10700

## Equal Socket



### Female Thread, BSPP

0422	Thread
FFA02/02NP	1/8"
FFA04/04NP	1/4"
FFA06/06NP	3/8"
FFA08/08NP	1/2"
FFA12/12NP	3/4"
FFA16/16NP	1"



## Unequal Reducing Sockets



### Female Thread, BSPP

0422	Thread	Thread
FFR04/02NP	1/4"	1/8"
FFR06/02NP	3/8"	1/8"
FFR06/04NP	3/8"	1/4"
FFR08/04NP	1/2"	1/4"
FFR08/06NP	1/2"	3/8"
FFR12/04NP	3/4"	1/4"
FFR12/06NP	3/4"	3/8"
FFR12/08NP	3/4"	1/2"
FFR16/08NP	1"	1/2"
FFR16/12NP	1"	3/4"

## Caps



### Female Thread, Metric

0422	Thread
CAP04NP	1/4"
CAP06NP	3/8"
CAP08NP	1/2"
CAP16NP	1"

## Hexagonal Plugs



### Male Thread, BSPT

0422	Thread
PBT02SNP	1/8"
PBT04SNP	1/4"
PBT06SNP	3/8"



### Male Thread, BSPP

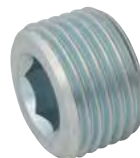
0422	Thread
PBP02SNP	1/8"
PBP06SNP	3/8"
PBP08SNP	1/2"

## Allen Key Plugs



### Male Thread, NPT

0422	Thread
AKN02NP	1/8"
AKN04NP	1/4"
AKN06NP	3/8"
AKN08NP	1/2"



### Steel, Male Thread, BSPT

0422	Thread
SAK02	1/8"
SAK04	1/4"
SAK06	3/8"
SAK08	1/2"

## Lock Nuts



### Female Thread, Metric

0422	Thread
LNM15NP	M15 x 1.0
LNM20NP	M20 x 1.5
LNM24NP	M24 x 1.5
LNM26NP	M26 x 1.5
LNM28NP	M28 x 1.5



### Female Thread, BSPP

0422	Thread
LN02NP	1/8"
LN04NP	1/4"
LN06NP	3/8"
LN08NP	1/2"
LN12NP	3/4"
LN16NP	1"

## Air Vents, Manually Operated



### Male Thread, BSPP

0422	Thread
AV08NP	1/2"

# BRASS ADAPTORS



## Male Adaptors - Equal



### Male Thread, BSPT

1000	Thread
UP1-18	1/8"
UP1-14	1/4"
UP1-38	3/8"
UP1-12	1/2"
UP1-34	3/4"
UP1-1	1"
UP1-114	1.1/4"
UP1-112	1.1/2"
UP1-2	2"
UP1-212	2.1/2"
UP1-3	3"



### Male Thread, Metric

1000	Thread
2018-MM05	M5 x 0.8
2018-MM06	M6 x 1.0
2018-MM08	M8 x 1.0
2018-MM10	M10 x 1.0
2018-MM12	M12 x 1.5
2018-MM14	M14 x 1.5
2018-MM16	M16 x 1.5
2018-MM18	M18 x 1.5
2018-MM20	M20 x 1.5
2018-MM22	M22 x 1.5
2018-MM24	M24 x 1.5
2018-MM26	M26 x 1.5
2018-MM28	M28 x 1.5



### Male Thread, NPT x BSPT

1000	Thread
660-1010	1/8"
660-1313	1/4"
660-1717	3/8"
660-2121	1/2"
660-2626	3/4"
660-3333	1"



### Flat Faced, Male Thread, BSPP

1000	Thread
PM18-18FF	1/8"
PM14-14FF	1/4"
PM38-38FF	3/8"
PM12-12FF	1/2"
PM34-34FF	3/4"
PM1-1FF	1"



### Male Thread, NPT x NPT

1000	Thread
ECN02/02	1/8"
ECN04/04	1/4"
ECN06/06	3/8"
ECN08/08	1/2"
ECN12/12	3/4"
ECN16/16	1"

## Male Adaptors - Unequal



### Male Thread, BSPT x BSPT

1000	Thread	Thread
UP2-18-14	1/8"	1/4"
UP2-18-38	1/8"	3/8"
UP2-18-12	1/8"	1/2"
UP2-14-38	1/4"	3/8"
UP2-14-12	1/4"	1/2"
UP2-38-12	3/8"	1/2"
UP2-14-34	1/4"	3/4"
UP2-38-34	3/8"	3/4"
UP2-12-34	1/2"	3/4"
UP2-12-1	1/2"	1"
UP2-34-1	3/4"	1"



### Male Thread, BSPP x BSPT

1000	BSPP Thread	BSPT Thread
UP2-14-18P	1/4"	1/8"
UP2-18-14P	1/8"	1/4"
UP2-38-14P	3/8"	1/4"
UP2-12-14P	1/2"	1/4"
UP2-14-38P	1/4"	3/8"
UP2-12-38P	1/2"	3/8"
UP2-14-12P	1/4"	1/2"
UP2-38-12P	3/8"	1/2"
UP2-34-12P	3/4"	1/2"
UP2-38-34P	3/8"	3/4"
UP2-12-34P	1/2"	3/4"
UP2-12-1P	1/2"	1"
UP2-34-1P	3/4"	1"



### Male Thread, NPT x NPT

1000	Thread	Thread
2018-2473	1/8"	1/8"
2018-2481	1/8"	1/4"
2018-2499	1/4"	1/4"
2018-2515	3/8"	1/4"
2018-2523	3/8"	3/8"
2018-2531	1/4"	1/2"
2018-2549	1/2"	3/8"
2018-2556	1/2"	1/2"
2018-2564	1/4"	3/4"
2018-2572	3/8"	3/4"
2018-2580	1/2"	3/4"
2018-2598	3/4"	3/4"
2018-2606	1/2"	1"
2018-2614	3/4"	1"
2018-2622	1"	1"





## 60° Male Adaptors



## Coned, Male Thread, BSPP

1000	Thread	Thread
PM18-18	1/8"	1/8"
PM14-18	1/4"	1/8"
PM14-14	1/4"	1/4"
PM38-18	3/8"	1/8"
PM38-14	3/8"	1/4"
PM38-38	3/8"	3/8"
PM12-14	1/2"	1/4"
PM12-38	1/2"	3/8"
PM12-12	1/2"	1/2"
PM34-38	3/4"	3/8"
PM34-12	3/4"	1/2"
PM34-34	3/4"	3/4"
PM1-38	1"	3/8"
PM1-12	1"	1/2"
PM1-34	1"	3/4"
PM1-1	1"	1"
PM114-1	1.1/4"	1"
PM114-114	1.1/4"	1.1/4"
PM112-114	1.1/2"	1.1/4"
PM112-112	1.1/2"	1.1/2"
PM2-112	2"	1.1/2"
PM2-2	2"	2"



## Male Thread, BSPP x BSPT

1000	Thread
PT18	1/8"
PT14	1/4"
PT38	3/8"
PT12	1/2"
PT34	3/4"
PT1	1"
PT114	1.1/4"
PT112	1.1/2"
PT2	2"

## Reducing Bush

Male Thread,  
BSPT x Female Thread, BSPP

1000	Female Thread	Male Thread
UP3-18-14	1/8"	1/4"
UP3-18-38	1/8"	3/8"
UP3-18-12	1/8"	1/2"
UP3-14-38	1/4"	3/8"
UP3-14-12	1/4"	1/2"
UP3-38-12	3/8"	1/2"
UP3-18-34	1/8"	3/4"
UP3-14-34	3/4"	1/4"
UP3-38-34	3/4"	3/8"
UP3-12-34	3/4"	1/2"
UP3-18-1	1"	1/8"
UP3-14-1	1/4"	1"
UP3-38-1	1"	3/8"
UP3-12-1	1"	1/2"
UP3-34-1	1"	3/4"
UP3-34-114	1.1/4"	3/4"
UP3-1-114	1.1/4"	1"
UP3-114-112	1.1/2"	1.1/4"
UP3-114-2	2"	1.1/4"
UP3-112-2	2"	1.1/2"
UP3-112-2	2"	1.1/2"



## Male Thread x Female Thread, BSPP

1000	Male Thread	Female Thread
UP3-18-14P	1/4"	1/8"
UP3-18-38P	3/8"	1/8"
UP3-14-38P	3/8"	1/4"
UP3-18-12P	1/2"	1/8"
UP3-14-12P	1/2"	1/4"
UP3-38-12P	1/2"	3/8"
UP3-18-34P	3/4"	1/8"
UP3-14-34P	3/4"	1/4"
UP3-38-34P	3/4"	3/8"
UP3-12-34P	3/4"	1/2"
UP3-14-1P	1"	1/4"
UP3-38-1P	1"	3/8"
UP3-12-1P	1"	1/2"
UP3-34-1P	1"	3/4"

Male Thread,  
BSPT x Female Thread, Metric

1000	Male Thread	Female Thread
UP3-M5-18	1/8"	M5 x 0.8



## Male Thread x Female Thread, Metric

1000	Male Thread	Female Thread
UP3-M12-M16	M16 x 1.5	M12 x 1.5
UP3-M16-M20	M20 x 1.5	M16 x 1.5
UP3-M16-M22	M22 x 1.5	M16 x 1.5



## Male Thread, NPT x Female Thread, NPS

1000	Male Thread	Female Thread
UP3-18-14N	1/4"	1/8"
UP3-18-38N	3/8"	1/8"
UP3-14-38N	3/8"	1/4"
UP3-18-12N	1/2"	1/8"
UP3-14-12N	1/2"	1/4"
UP3-38-12N	1/2"	3/8"
UP3-38-34N	3/4"	3/8"
UP3-12-34N	3/4"	1/2"
UP3-14-34N	3/4"	1/4"
UP3-14-1N	1"	1/4"
UP3-38-1N	1"	3/8"
UP3-12-1N	1"	1/2"
UP3-34-1N	1"	3/4"

## Bushes

Male Thread, Metric x  
Female Thread, Metric & BSPP

1000	Male Thread	Female Thread
UP3-14-M16	M16 x 1.5	1/4"
UP3-14-M18	M18 x 1.5	1/4"
UP3-14-M20	M20 x 1.5	1/4"
UP3-M16-M20	M20 x 1.5	M16 x 1.5
UP3-M16-M22	M22 x 1.5	M16 x 1.5
UP3-14-M22	M22 x 1.5	1/4"
UP3-38-M22	M22 x 1.5	3/8"



# BRASS ADAPTORS

## Female Equal Socket



### Female Thread, BSPP

1000	Thread
UP4-18P	1/8"
UP4-14P	1/4"
UP4-38P	3/8"
UP4-12P	1/2"
UP4-34P	3/4"
UP4-1P	1"
UP4-114P	1.1/4"
UP4-112P	1.1/2"
UP4-2P	2"
UP4-212P	2.1/2"
UP4-3P	3"
UP4-4P	4"



### Female Thread, Metric

1000	Thread
UP4-MM05	M5 x 0.8
UP4-MM06	M6 x 1.0
UP4-MM08	M8 x 1.0
UP4-MM10	M10 x 1.0
UP4-MM12	M12 x 1.5
UP4-MM14	M14 x 1.5
UP4-MM16	M16 x 1.5
UP4-MM18	M18 x 1.5
UP4-MM20	M20 x 1.5
UP4-MM22	M22 x 1.5
UP4-MM24	M24 x 1.5
UP4-MM26	M26 x 1.5
UP4-MM28	M28 x 1.5
UP4-MM30	M30 x 1.5



### Female Thread, NPS

1000	Thread
UP4-18N	1/8"
UP4-14N	1/4"
UP4-38N	3/8"
UP4-12N	1/2"
UP4-34N	3/4"
UP4-1N	1"

## Female Unequal Socket



### Female Thread, BSPP

1000	Thread	Thread
UP4-18-14P	1/8"	1/4"
UP4-38-18P	3/8"	1/8"
UP4-38-14P	3/8"	1/4"
UP4-12-14P	1/2"	1/4"
UP4-12-38P	1/2"	3/8"
UP4-34-14P	3/4"	1/4"
UP4-34-38P	3/4"	3/8"
UP4-1-34P	1/2"	3/4"
UP4-1-34P	1"	3/4"
UP4-1-38P	1"	3/8"
UP4-1-12P	1"	1/2"

## Male x Female Unequal Socket



### Male Thread, BSPT x Female Thread, BSPP

1000	Male Thread	Female Thread
UP13-18-14P	1/8"	1/4"
UP13-18-38P	1/8"	3/8"
UP13-14-38P	1/4"	3/8"
UP13-14-12P	1/4"	1/2"
UP13-38-12P	3/8"	1/2"
UP13-12-34P	1/2"	3/4"
UP13-34-1P	3/4"	1"

## Bulkhead Connector



### Male Thread, BSPP

1000	Thread
MB18	1/8"
MB14	1/4"
MB38	3/8"
MB12	1/2"
MB34	3/4"
MB1	1"
MB114	1.1/4"
MB112	1.1/2"
MB2	2"



### Male Thread, Metric x Female Thread, BSPP

1000	Thread	Thread
MBM18	M16 x 1.5	1/8"
MBM14	M20 x 1.5	1/4"
MBM38	M26 x 1.5	3/8"
MBM12	M28 x 1.5	1/2"
MBM34	M34 x 1.5	3/4"
MBM1	M42 x 1.5	1"



### Male Thread x Female Thread, Metric

1000	Thread	Thread
MBMM5	M10 x 1.0	M5 x 0.8

## Connectors

Male Thread,  
BSPT x Female Thread, BSPP

1000	Thread
UP13-18	1/8"
UP13-14	1/4"
UP13-38	3/8"
UP13-12	1/2"
UP13-34	3/4"
UP13-1	1"

Male Thread,  
Metric x Female Thread, BSPP

1000	Thread	Thread
UP13-M5-18	M5 x 0.8	1/8"
UP13-M5-14	M5 x 0.8	1/4"
UP13-M6-18	M6 x 1.0	1/8"
UP13-M6-14	M6 x 1.0	1/4"



## Male x Female Thread, Metric

1000	Thread	Thread
UP13-M5-M5	M5 x 0.8	M5 x 0.8



## Male Thread, NPT x Female Thread, NPS

1000	Thread
UP13-18N	1/8"
UP13-14N	1/4"
UP13-38N	3/8"
UP13-12N	1/2"
UP13-34N	3/4"
UP13-1N	1"

## Reducing Connector



## Male, NPT x Female Thread, NPS

1000	Thread	Thread
UP13-18-14N	1/8"	1/4"
UP13-18-38N	1/8"	3/8"
UP13-14-38N	1/4"	3/8"
UP13-14-12N	1/4"	1/2"
UP13-38-12N	3/8"	1/2"
UP13-12-34N	1/2"	3/4"
UP13-34-1N	3/4"	1"



## Male Thread, UNF x Female Thread, BSPP

1000	Male Thread	Female Thread
UP13-18-14U	1/4"	1/8"

## Equal Elbows



## Male Thread, BSPT

1000	Thread
UP5-18	1/8"
UP5-14	1/4"
UP5-38	3/8"
UP5-12	1/2"
MML12	3/4"
MML16	1"

Tech Sheet 20183



## Male Thread x Female Thread, NPT

1000	Thread
UP5-18N	1/8"
UP5-14N	1/4"
UP5-38N	3/8"
UP5-12N	1/2"
UP5-34N	3/4"
UP5-1N	1"



## Female Thread, BSPT

1000	Thread
UP6-18	1/8"
UP6-14	1/4"
UP6-38	3/8"
UP6-12	1/2"
UP6-34	3/4"
UP6-1	1"
UP6-114	1.1/4"
UP6-112	1.1/2"
UP6-2	2"
UP6-3	3"
UP6-4	4"

Tech Sheet 20183

# BRASS ADAPTORS

## Equal Elbows



### Female Thread, NPT

1000	Thread
UP6-18N	1/8"
UP6-14N	1/4"
UP6-38N	3/8"
UP6-12N	1/2"
UP6-34N	3/4"
UP6-1N	1"



### Female Thread, Metric

1000	Thread
UP6-M5	M5 x 0.8



### Male Thread x Female Thread, BSPT

1000	Thread
UP7-18	1/8"
UP7-14	1/4"
UP7-38	3/8"
UP7-12	1/2"
UP7-34	3/4"
UP7-1	1"
UP7-114	1.1/4"
UP7-112	1.1/2"
UP7-2	2"

Tech Sheet 20183



### Male Thread x Female Thread, Metric

1000	Thread
UP7-MM05	M5 x 0.8



### Male Thread, BSPT x Female Thread, BSPP

1000	Thread
MFL02	1/8"
MFL04	1/4"
MFL06	3/8"
MFL08	1/2"
MFL12	3/4"
MFL16	1"
MFL20	1.1/4"
MFL24	1.1/2"
MFL32	2"



### Male Thread, NPT x Female Thread, NPT

1000	Thread
MFLN02	1/8"
MFLN04	1/4"
MFLN06	3/8"
MFLN08	1/2"
MFLN12	3/4"
MFLN16	1"

## Compact 90° Elbows



### Male Thread, BSPT x Female Thread, BSPP

1000	Thread
UP7-18C	1/8"
UP7-14C	1/4"
UP7-38C	3/8"
UP7-12C	1/2"

## 45° Elbows



### Female Thread, BSPP

1000	Thread
UP11-12F	1/2"
UP11-34F	3/4"
UP11-114F	1.1/4"
UP11-112F	1.1/2"
UP11-2F	2"

## Equal Tees



### Female Thread, BSPT

1000	Thread
UP8-18	1/8"
UP8-14	1/4"
UP8-38	3/8"
UP8-12	1/2"
UP8-34	3/4"
UP8-1	1"
UP8-114	1.1/4"
UP8-112	1.1/2"
UP8-2	2"
UP8-212	2.1/2"
UP8-3	3"

Tech Sheet 20184



### Female Thread, NPT

1000	Thread
UP8-18N	1/8"
UP8-14N	1/4"
UP8-12N	1/2"
UP8-34N	3/4"
UP8-1N	1"



### Female Thread, Metric

1000	Thread
UP8-MM05	M5 x 0.8



### Male Thread, BSPT

1000	Thread
UP9-18	1/8"
UP9-14	1/4"
UP9-38	3/8"
UP9-12	1/2"
UP9-34	3/4"
UP9-1	1"

Tech Sheet 20184

## Equal Tees



**Female Thread,  
BSPP x Male Thread,  
BSPT x Female Thread, BSPP**

1000	Thread
UP22-18	1/8"
UP22-14	1/4"
UP22-38	3/8"
UP22-12	1/2"
UP22-34	3/4"
UP22-1	1"



**Male Thread,  
BSPT x Male Thread,  
BSPT x Female Thread, BSPP**

1000	Thread
UP14-18	1/8"
UP14-14	1/4"
UP14-38	3/8"
UP14-12	1/2"
UP14-34	3/4"
UP14-1	1"



**Male Thread,  
BSPT x Female Thread,  
BSPP x Male Thread, BSPT**

1000	Thread
UP15-18	1/8"
UP15-14	1/4"
UP15-38	3/8"
UP15-12	1/2"



**Female Thread,  
BSPP x Female Thread,  
BSPP x Male Thread, BSPT**

1000	Thread
UP16-18	1/8"
UP16-14	1/4"
UP16-38	3/8"
UP16-12	1/2"
UP16-34	3/4"
UP16-1	1"

## Female Block Equal Tee



**Female Thread, BSPT**

1000	Thread
UP10-18	1/8"
UP10-14	1/4"
UP10-38	3/8"

Tech Sheet 20185

## Male x Female 45° Equal Elbow



**Male Thread, BSPT x Female Thread, BSPP**

1000	Thread
UP11-18	1/8"
UP11-14	1/4"

Tech Sheet 20186

## Cross Adaptors



**Male Thread, BSPT**

1000	Thread
UP19-18	1/8"
UP19-14	1/4"
UP19-38	3/8"
UP19-12	1/2"
UP19-34	3/4"
UP19-1	1"



**Male Thread,  
BSPT x Female Thread, BSPP**

1000	Thread
UP20-18	1/8"
UP20-14	1/4"
UP20-38	3/8"
UP20-12	1/2"
UP20-34	3/4"
UP20-1	1"



**Female Thread, BSPP**

1000	Thread
UP21-18	1/8"
UP21-14	1/4"
UP21-38	3/8"
UP21-12	1/2"
UP21-1	1"



# BRASS ADAPTORS

## Barrel Nipple



### Male Thread, BSPT

1000	Thread
TT18	1/8"
TT14	1/4"
TT38	3/8"
TT12	1/2"
TT34	3/4"
TT1	1"

## Swivel Union



### Male Thread, BSPT

1000	Thread	Thread
LD10/10K	1/8"	1/8"
LD13/13K	1/4"	1/4"
LD13/17K	1/4"	3/8"
LD17/17K	3/8"	3/8"
LD21/21K	1/2"	1/2"
LD26/26K	3/4"	3/4"
LD33/33K	1"	1"

Tech Sheet 20775



### Female Thread, BSPP

1000	Thread
LDF21/21K	1/2"
LDF26/26K	3/4"
LDF33/33K	1"
LDF42/42K	1.1/4"
LDF48/48K	1.1/2"
LDF52/52K	2"

## Equal Y Branch Outlet



### Female Thread, BSPP

1000	Thread
UP17-18	1/8"
UP17-14	1/4"
UP17-38	3/8"
UP17-12	1/2"



### Female Thread, BSPP x Female Thread, BSPP x Male Thread, BSPT

1000	Thread
UP18-18	1/8"
UP18-14	1/4"
UP18-38	3/8"
UP18-12	1/2"

## Triple Outlet



### Female Thread, BSPP

1000	Thread
DO-17	3/8"
DO-21	1/2"

Tech Sheet 20776

## Locknuts



### Female Thread, BSPP

1000	Thread
UP12-18	1/8"
UP12-14	1/4"
UP12-38	3/8"
UP12-12	1/2"
UP12-58	5/8"
UP12-34	3/4"
UP12-78	7/8"
UP12-1	1"
UP12-114	1.1/4"
UP12-112	1.1/2"
UP12-32	2"

## Flanged Locknuts



### Female Thread, BSPP

1000	Thread
UP12-38F	3/8"
UP12-12F	1/2"
UP12-34F	3/4"
UP12-1F	1"
UP12-114F	1.1/4"
UP12-112F	1.1/2"



### Female Thread, Metric

1000	Thread
UP12-MM10	M10 x 1.0
UP12-MM12	M12 x 1.0
UP12-MM14.1	M14 x 1.0
UP12-MM14	M14 x 1.5
UP12-MM15	M15 x 1.0
UP12-MM16	M16 x 1.5
UP12-MM18	M18 x 1.5
UP12-MM20	M20 x 1.5
UP12-MM22	M22 x 1.5
UP12-MM24	M24 x 1.5
UP12-MM26	M26 x 1.5
UP12-MM28	M28 x 1.5
UP12-MM30	M30 x 1.5
UP12-MM34	M34 x 1.5
UP12-MM38	M38 x 1.5
UP12-MM42	M42 x 1.5
UP12-MM45	M45 x 1.5



## Hollow Plugs



## Male Thread, BSPT

1000	Thread
VHP18	1/8"
VHP14	1/4"
VHP38	3/8"
VHP12	1/2"
VHP58	5/8"
VHP34	3/4"
VHP78	7/8"
VHP1	1"
VHP114	1.1/4"
VHP112	1.1/2"
VHP2	2"



## Male Thread, NPT

1000	Thread
VHP18N	1/8"
VHP14N	1/4"
VHP38N	3/8"
VHP12N	1/2"
VHP34N	3/4"
VHP1N	1"
VHP114N	1.1/4"
VHP112N	1.1/2"
VHP2N	2"



## Male Thread, BSPP

1000	Thread
VHP18P	1/8"
VHP14P	1/4"
VHP38P	3/8"
VHP12P	1/2"
VHP58P	5/8"
VHP34P	3/4"
VHP1P	1"
VHP114P	1.1/4"
VHP112P	1.1/2"
VHP2P	2"



## Male Thread, Metric

1000	Thread
VHPM05	M5 x 0.8
VHPM06	M6 x 1.0
VHPM08	M8 x 1.0
VHPM10	M10 x 1.0
VHPM12	M12 x 1.5
VHPM14	M14 x 1.5
VHPM16	M16 x 1.5
VHPM18	M18 x 1.5
VHPM20	M20 x 1.5
VHPM22	M22 x 1.5
VHPM24	M24 x 1.5
VHPM26	M26 x 1.5
VHPM28	M28 x 1.5
VHPM30	M30 x 1.5

## Solid Plugs



## Male Thread, BSPT

1000	Thread
VPS18	1/8"
VPS14	1/4"
VPS38	3/8"
VPS12	1/2"
VPS58	5/8"
VPS34	3/4"
VPS78	7/8"
VPS1	1"
VPS114	1.1/4"
VPS112	1.1/2"
VPS2	2"



## Male Thread, BSPP

1000	Thread
VPS18P	1/8"
VPS14P	1/4"
VPS38P	3/8"
VPS12P	1/2"
VPS58P	5/8"
VPS34P	3/4"
VPS1P	1"
VPS114P	1.1/4"
VPS112P	1.1/2"
VPS2P	2"



## Male Thread, NPT

1000	Thread
VPS18N	1/8"
VPS14N	1/4"
VPS38N	3/8"
VPS12N	1/2"
VPS34N	3/4"
VPS1N	1"
VPS114N	1.1/4"
VPS112N	1.1/2"
VPS2N	2"



# BRASS PLUGS

## Flanged Plugs



### Male Thread, BSPP

1000	Thread
VFP10	1/8"
VFP13	1/4"
VFP17	3/8"
VFP21	1/2"
VFP26	3/4"
VFP33	1"
VFP42	1.1/4"
VFP48	1.1/2"
VFP52	2"

## Square Head Plugs



### Male Thread, BSPP

1000	Thread
VPQ14	1/4"
VPQ38	3/8"
VPQ12	1/2"
VPQ34	3/4"
VPQ1	1"
VPQ114	1.1/4"
VPQ112	1.1/2"
VPQ2	2"

## Allen Key Plugs



### Male Thread, BSPT

1000	Thread
AK-TT18	1/8"
AK-TT14	1/4"
AK-TT38	3/8"
AK-TT12	1/2"
AK-TT34	3/4"
AK-TT1	1"



### Male Thread, BSPP

1000	Thread
AK-PP18	1/8"
AK-PP14	1/4"
AK-PP38	3/8"
AK-PP12	1/2"



### Male Thread, Metric

1000	Thread
AK-MM08	M8 x 1.0
AK-MM10	M10 x 1.0
AK-MM12	M12 x 1.5
AK-MM14	M14 x 1.5
AK-MM16	M16 x 1.5
AK-MM18	M18 x 1.5
AK-MM20	M20 x 1.5
AK-MM22	M22 x 1.5
AK-MM24	M24 x 1.5
AK-MM26	M26 x 1.5



### Male Thread, NPT

1000	Thread
AK-NN18	1/8"
AK-NN14	1/4"
AK-NN38	3/8"
AK-NN12	1/2"

## Caps



### Female Thread, BSPP

1000	Thread
VCAP10	1/8"
VCAP13	1/4"
VCAP17	3/8"
VCAP21	1/2"
VCAP26	3/4"
VCAP33	1"
VCAP42	1/4"
VCAP48	1/2"
VCAP52	2"

## Air Vents



### Male Thread, BSPP

1000	Thread
AK-VV18	1/8"
AK-VV14	1/4"
AK-VV12	1/2"

# ALUMINIUM MANIFOLDS



## Single Distribution Manifold

Working Temperature: 0°C to +80°C

Maximum Working Pressure: 12 bar



### 1/4" BSPT Inlet x 1/4" BSPT Outlet

1000	No. of Inlets	No. of Outlets
MD-2	2	2
MD-3	2	3
MD-4	2	4
MD-5	2	5

## Single Distribution Manifold



### 1/4" BSPP Inlet x 1/8" BSPP Outlet

1000	No. of Inlets	No. of Outlets
DM13/3	2	3
DM13/4	2	4
DM13/5	2	5
DM13/6	2	6

## Round Manifolds

Working Temperature: 0°C to +80°C

Maximum Working Pressure: 10 bar



### 1/4" BSPT Inlet x 1/4" BSPT Outlet

1000	No. of Inlets	No. of Outlets
M2-14	1	2

## Round Manifolds

Working Temperature: 0°C to +80°C

Maximum Working Pressure: 10 bar



### 1/4" BSPT Inlet x 1/4" BSPT Outlet

1000	No. of Inlets	No. of Outlets
M3-14	1	3



# ALUMINIUM MANIFOLDS

## Single Distribution Manifolds



### 1/8" BSPP Inlet x M5 Outlet

0012	No. of Inlets	No. of Outlets
MAN-155.02	2	2
MAN-155.06	2	6

Tech Sheet 12

### 1/4" BSPP Inlet x 1/8" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-151.02	2	2
MAN-151.03	2	3
MAN-151.04	2	4
MAN-151.05	2	5
MAN-151.06	2	6

Tech Sheet 12

### 3/8" BSPP Inlet x 1/8" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-153.03	2	3
MAN-153.04	2	4
MAN-153.05	2	5
MAN-153.06	2	6

Tech Sheet 12

### 3/8" BSPP Inlet x 1/4" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-152.02	2	2
MAN-152.03	2	3
MAN-152.04	2	4
MAN-152.05	2	5
MAN-152.06	2	6

Tech Sheet 12

### 1/2" BSPP Inlet x 3/8" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-156.02	2	2
MAN-156.03	2	3
MAN-156.04	2	4
MAN-156.05	2	5
MAN-156.06	2	6

Tech Sheet 12

### 1/2" BSPP Inlet x 1/2" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-157.02	2	2
MAN-157.03	2	3
MAN-157.04	2	4
MAN-157.05	2	5

Tech Sheet 12

## Double Distribution Manifolds



### 1/8" BSPP Inlet x M5 Outlet

0012	No. of Inlets	No. of Outlets
MAN-155.22	2	5mm x 2 + 2

Tech Sheet 12

### 1/4" BSPP Inlet x 1/8" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-151.22	2	2 + 2
MAN-151.33	2	3 + 3
MAN-151.44	2	4 + 4
MAN-151.55	2	5 + 5

Tech Sheet 12

### 3/8" BSPP Inlet x 1/8" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-153.33	2	3 + 3
MAN-153.44	2	4 + 4
MAN-153.55	2	5 + 5

Tech Sheet 12

### 3/8" BSPP Inlet x 1/4" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-152.22	2	2 + 2
MAN-152.33	2	3 + 3
MAN-152.44	2	4 + 4
MAN-152.55	2	5 + 5

Tech Sheet 12

### 1/2" BSPP Inlet x 1/4" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-154.22	2	2 + 2
MAN-154.33	2	3 + 3
MAN-154.44	2	4 + 4
MAN-154.55	2	5 + 5

Tech Sheet 12

### 1/2" BSPP Inlet x 3/8" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-156.44	2	4 + 4
MAN-156.55	2	5 + 5

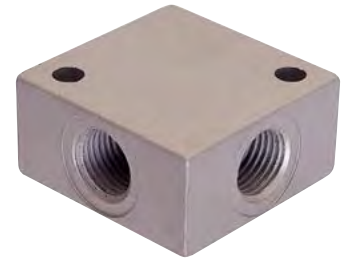
Tech Sheet 12

### 1/2" BSPP Inlet x 1/2" BSPP Outlet

0012	No. of Inlets	No. of Outlets
MAN-157.22	2	2 + 2
MAN-157.33	2	3 + 3
MAN-157.44	2	4 + 4
MAN-157.55	2	5 + 5

Tech Sheet 12

## Equal Cross Manifolds



### Female, BSPP

0012	Thread
MAN-145.8	1/8"
MAN-145.4	1/4"
MAN-145.3	3/8"
MAN-145.2	1/2"

Tech Sheet 12

A wide range of aluminium manifolds, ideal for multi-feeds and supplies in systems and for grouping valves.

# BRASS MANIFOLDS

## Single Sided Manifold Block, Brass



### 1/8" BSPP Inlet x 1/8" BSPP Outlet

1420	No. of Outlets
MB02/02	2
MB02/04	4
MB02/06	6
MB02/08	8

### 1/4" BSPP Inlet x 1/4" BSPP Outlet

1420	No. of Outlets
MB04/02	2
MB04/04	4
MB04/06	6
MB04/08	8
MB04/10	10
MB04/12	12

### 3/8" BSPP Inlet x 3/8" BSPP Outlet

1420	No. of Outlets
MB06/02	2
MB06/04	4
MB06/06	6
MB06/08	8

### 1/2" BSPP Inlet x 1/2" BSPP Outlet

1420	No. of Outlets
MB08/04	4
MB08/06	6
MB08/08	8

### 3/4" BSPP Inlet x 3/4" BSPP Outlet

1420	No. of Outlets
MB12/04	4
MB12/06	6

## Unequal Manifold Block, Brass



### 1/4" BSPP Inlet x 1/8" BSPP Outlet

1420	No. of Outlets
MB04/02/06	6
MB04/02/08	8

### 3/4" BSPP Inlet x 1/2" BSPP Outlet

1420	No. of Outlets
MB12/08/04	4

### 3/8" BSPP Inlet x 1/4" BSPP Outlet

1420	No. of Outlets
MB06/04/04	4
MB06/04/06	6
MB06/04/08	8

### 1/2" BSPP Inlet x 3/8" BSPP Outlet

1420	No. of Outlets
MB08/06/04	4
MB08/06/06	6



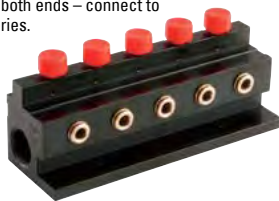
# MINIFOLDS

## Aluminium 5 & 10 Way Manifolds

Replace complex assemblies of valves and fittings with anodised aluminium Minifolds. Each Minifold comprises of a number of valved outlets on a common header. Minifold blocks have tapped inlet connections at both ends – connect to one and plug the other or connect Minifolds in series.

**Working Temperature:**  
-20°C to +90°C

**Maximum Working Pressure:**  
Vacuum to 10 bar



### 1/2" BSPP Inlet x 1/4" BSPP Outlet

0202	No. of Inlets	No. of Outlets
971-05-251	2	5
971-10-251	2	10
Tech Sheet 10556		

### 1/2" BSPP Inlet x 6mm Outlet

0202	No. of Inlets	No. of Outlets
971-05-256	2	5
971-10-256	2	10
Tech Sheet 10556		

### 3/4" BSPP Inlet x 3/8" BSPP Outlet

0202	No. of Inlets	No. of Outlets
975-05-272	2	5
975-10-272	2	10
Tech Sheet 10556		

### Specifications:

**Series 971:** Nominal Bore 18mm  
1/2" BSP Female or  
1/2" NPT Female inlets  
1/4" BSP Female or  
1/4" NPT Female or 6mm  
push-in outlets

**Series 975:** Nominal Bore 25mm  
3/4" BSP Female or  
3/4" NPT Female inlets  
3/8" BSP Female or  
3/8" NPT Female outlets

### Materials:

**Blocks:** Anodised aluminium  
**Valve Spindles:** Thermoplastic (red for BSP, grey for NPT)  
**Seals:** Nitrile  
**Push-in Fittings:** Plated brass



### 1/2" NPT Inlet x 1/4" NPT Outlet

0202	No. of Inlets	No. of Outlets
971-10-263	2	10
Tech Sheet 10556		

### 1/2" NPT Inlet x 6mm Outlet

0202	No. of Inlets	No. of Outlets
971-10-266	2	10
Tech Sheet 10556		

## Stainless Steel 4, 6 & 10 Way Manifolds

**Working Temperature:**  
60 bar @ 40°C  
40 bar @ 100°C  
25 bar @ 150°C

Replace complex assemblies of valves and fittings with stainless steel manifolds. Each Minifold comprises of a number of ball valves on a common header.

Minifold blocks have tapped inlet connections at both ends – connect to one and plug the other or connect Minifold in series.

### Specifications:

**Series 910:** Nominal Bore 18mm  
1/2" or 3/4" BSP Taper or NPT inlets  
1/4" or 1/2" BSP Taper or NPT outlet

Supplied with two mounting brackets

### Materials:

**Blocks:** 316 Stainless steel  
**Valve Body/Ball:** 316 Stainless steel  
**Valve Handle:** 304 Stainless steel (Red for BSP, black for NPT)  
**Valve Seals:** PTFE

stainless steel

### 1/2" BSPT Inlet x 1/4" BSPT Outlet



0202	No. of Inlets	No. of Outlets
910.04.SDP011414	2	4
910.06.SDP011414	2	6
910.10.SDP011414	2	10

### 3/4" BSPT Inlet x 1/2" BSPT Outlet



0202	No. of Inlets	No. of Outlets
910.04.SDP142828	2	4
910.06.SDP142828	2	6

### 3/4" NPT Inlet x 1/4" NPT Outlet



0202	No. of Inlets	No. of Outlets
910.04.SDP032727	2	4

### 3/4" BSPT Inlet x 1/4" BSPT Outlet



0202	No. of Inlets	No. of Outlets
910.04.SDP012828	2	4
910.10.SDP012828	2	10

### 1/2" NPT Inlet x 1/4" NPT Outlet



0202	No. of Inlets	No. of Outlets
910.04.SDP030606	2	4
910.06.SDP030606	2	6

### 3/4" NPT Inlet x 1/2" NPT Outlet



0202	No. of Inlets	No. of Outlets
910.04.SDP062727	2	4
910.06.SDP062727	2	6



## Rotating Joints

- Viton seals as standard
- Suitable for fluids and air
- Units suitable for vacuum and non standard pressures available on request

**° Working Temperature:**  
-10°C to +85°C

**Maximum Working Pressure:**  
12 bar



### 1 Inlet x 6 Outlets

0064	No. of Inlets	No. of Outlets	Rotation	RPM
<b>300/V</b>	1 x 3/8"	6 x 1/8"	Right/Left	300
Tech Sheet 29				

**° Working Temperature:**  
-10°C to +85°C

**Maximum Working Pressure:**  
12 bar



### 1 Inlet x 1 Outlet

0064	No. of Inlets	No. of Outlets	Rotation	RPM
<b>303/V</b>	1 x 1/8"	1 x 1/8"	Right/Left	550
<b>304/V</b>	1 x 1/4"	1 x 1/4"	Right/Left	550
<b>305/V</b>	1 x 3/8"	1 x 3/8"	Right/Left	300
<b>306/V</b>	1 x 1/2"	1 x 1/2"	Right/Left	200
<b>307/V</b>	1 x 3/4"	1 x 3/4"	Right/Left	160
Tech Sheet 30				

**° Working Temperature:**  
-10°C to +85°C

**Maximum Working Pressure:**  
12 bar



### 1 Inlet x 3 Outlets

0064	No. of Inlets	No. of Outlets	Rotation	RPM
<b>302/V</b>	1 x 3/8"	3 x 1/4"	Right/Left	300
Tech Sheet 29				

**° Working Temperature:**  
-10°C to +85°C

**Maximum Working Pressure:**  
12 bar



### 2 Independent Inlets & Outlets

0064	No. of Inlets	No. of Outlets	Rotation	RPM
<b>312/V</b>	2 x 1/4"	2 x 1/4"	Right/Left	200
Tech Sheet 31				

## Swivel Joints - Aluminium

**° Working Temperature:**  
0°C to +70°C

**Maximum Working Pressure:**  
12 bar



### Male x Female Thread, without Regulator

1000	Thread
<b>RJ-14</b>	1/4"

**° Working Temperature:**  
0°C to +70°C

**Maximum Working Pressure:**  
12 bar



### Male x Female Thread, with Regulator

1000	Thread
<b>RJR-14</b>	1/4"

# BRASS COMPRESSION FITTINGS



## Tubing Nuts



### Tubing Nut, Metric

1315	Tube OD mm	Equivalent
TNM04	4	36050002
TNM05	5	36050003
TNM06	6	36050004
TNM08	8	36050005
TNM10	10	36050006
TNM12	12	36050007
TNM15	15	36050015
TNM16	16	36050008
TNM22	22	36050010
TNM28	28	-



### Tubing Nut, Imperial

1315	Tube OD	Equivalent
TNI02	1/8"	34027902
TNI03	3/16"	34027903
TNI04	1/4"	34027904
TNI05	5/16"	34027905
TNI06	3/8"	34027906
TNI08	1/2"	34027907
TNI10	5/8"	34027908
TNI12	3/4"	34027909

## Tubing Plugs



### Tubing Plug, Metric

1315	Tube OD mm	Equivalent
CMP04	4	36050902
CMP05	5	36050903
CMP06	6	36050904
CMP08	8	36050905
CMP10	10	36050906
CMP12	12	36050907
CMP22	22	36050910



### Tubing Plug, Imperial

1315	Tube OD	Equivalent
CIP04	1/4"	34003604
CIP05	5/16"	34003605
CIP06	3/8"	34003606
CIP08	1/2"	34003607

## Tubing Sleeves



### Tubing Sleeve, Metric

1315	Tube OD mm	Equivalent
OMB04	4	36050202
OMB05	5	36050203
OMB06	6	36050204
OMB08	8	36050205
OMB10	10	36050206
OMB12	12	36050207
OMB15	15	36050215
OMB16	16	36050208



### Tubing Sleeve, Imperial

1315	Tube OD	Equivalent
OIB02	1/8"	34000302
OIB03	3/16"	34000303
OIB04	1/4"	34000304
OIB05	5/16"	34000305
OIB06	3/8"	34000306
OIB08	1/2"	34000307



### Universal Tubing Sleeve, Metric

1315	Tube OD mm	Equivalent
OM04	4	36050102
OM05	5	36050103
OM06	6	36050104
OM08	8	36050105
OM10	10	36050106
OM12	12	36050107
OM15	15	36050115
OM16	16	36050108
OM18	18	36050118
OM22	22	36050110
OM28	28	-



### Universal Tubing Sleeve, Imperial

1315	Tube OD	Equivalent
OI02	1/8"	34027802
OI03	3/16"	34027803
OI04	1/4"	34027804
OI05	5/16"	34027805
OI06	3/8"	34027806
OI08	1/2"	34027807
OI10	5/8"	34027808
OI12	3/4"	34027809

## Male Adaptors



Straight Male Adaptor, Metric, BSPT

1315	Tube OD mm	Thread	Equivalent
CM04/02	4	1/8"	36053002
CM04/04	4	1/4"	36053008
CM05/02	5	1/8"	36053003
CM05/04	5	1/4"	36053009
CM06/02	6	1/8"	36053004
CM06/04	6	1/4"	36053010
CM06/06	6	3/8"	36053018
CM08/02	8	1/8"	36053005
CM08/04	8	1/4"	36053011
CM08/06	8	3/8"	36053019
CM08/08	8	1/2"	36053028
CM10/02	10	1/8"	36053006
CM10/04	10	1/4"	36053012
CM10/06	10	3/8"	36053020
CM10/08	10	1/2"	36053029
CM12/04	12	1/4"	36053013
CM12/06	12	3/8"	36053021
CM12/08	12	1/2"	36053030
CM12/12	12	3/4"	36053044
CM15/08	15	1/2"	36053057
CM16/06	16	3/8"	36053022
CM16/08	16	1/2"	36053031
CM16/12	16	3/4"	36053045
CM22/08	22	1/2"	-
CM22/12	22	3/4"	-



Straight Male Adaptor, Metric, BSPP

1315	Tube OD mm	Thread	Equivalent
CMP04/02	4	1/8"	36050402
CMP04/04	4	1/4"	36050408
CMP05/02	5	1/8"	36050403
CMP05/04	5	1/4"	36050409
CMP06/02	6	1/8"	36050404
CMP06/04	6	1/4"	36050410
CMP06/06	6	3/8"	36050418
CMP08/02	8	1/8"	36050405
CMP08/04	8	1/4"	36050411
CMP08/06	8	3/8"	36050419
CMP08/08	8	1/2"	36050428
CMP10/04	10	1/4"	36050412
CMP10/06	10	3/8"	36050420
CMP10/08	10	1/2"	36050429
CMP12/06	12	3/8"	36050421
CMP12/08	12	1/2"	36050430
CMP16/06	16	3/8"	36050422
CMP16/08	16	1/2"	36050431



Straight Male Adaptor, Imperial, BSPT

1315	Tube OD	Thread	Equivalent
CI02/02	1/8"	1/8"	34034607
CI03/02	3/16"	1/8"	34034608
CI03/04	3/16"	1/4"	34034615
CI04/02	1/4"	1/8"	34034609
CI04/04	1/4"	1/4"	34034616
CI05/02	5/16"	1/8"	34034610
CI05/04	5/16"	1/4"	34034617
CI05/06	5/16"	3/8"	34034625
CI05/08	5/16"	1/2"	34034634
CI06/02	3/8"	1/8"	34034611
CI06/04	3/8"	1/4"	34034618
CI06/06	3/8"	3/8"	34034626
CI06/08	3/8"	1/2"	34034635
CI08/04	1/2"	1/4"	34034619
CI08/06	1/2"	3/8"	34034627
CI08/08	1/2"	1/2"	34034636
CI08/12	1/2"	3/4"	34034653
CI10/06	5/8"	3/8"	34034628
CI10/08	5/8"	1/2"	34034637
CI12/08	3/4"	1/2"	34034638
CI12/12	3/4"	3/4"	34034655



Straight Male Adaptor, Imperial, BSPP

1315	Tube OD	Thread	Equivalent
CIP03/02	3/16"	1/8"	34034808
CIP04/02	1/4"	1/8"	34034809
CIP04/04	1/4"	1/4"	34034816
CIP06/04	3/8"	1/4"	34034818
CIP06/06	3/8"	3/8"	34034826
CIP06/08	3/8"	1/2"	34034835
CIP08/06	1/2"	3/8"	34034827

## Female Adaptors



Straight Female Adaptor, Metric, BSPP

1315	Tube OD mm	Thread	Equivalent
CMF04/02	4	1/8"	36050502
CMF05/02	5	1/8"	36050503
CMF05/04	5	1/4"	36050509
CMF06/02	6	1/8"	36050504
CMF06/04	6	1/4"	36050510
CMF08/02	8	1/8"	36050505
CMF08/04	8	1/4"	36050511
CMF08/06	8	3/8"	36050519
CMF10/04	10	1/4"	36050512
CMF10/06	10	3/8"	36050520
CMF12/06	12	3/8"	36050521
CMF12/08	12	1/2"	36050530
CMF16/08	16	1/2"	36050531



Straight Female Adaptor, Imperial, BSPP

1315	Tube OD	Thread	Equivalent
CIF03/02	3/16"	1/8"	34034408
CIF03/04	3/16"	1/4"	34034415
CIF04/02	1/4"	1/8"	34034409
CIF04/04	1/4"	1/4"	34034416
CIF05/04	5/16"	1/4"	34034417
CIF06/04	3/8"	1/4"	34034418
CIF06/06	3/8"	3/8"	34034426
CIF08/06	1/2"	3/8"	34034427
CIF08/08	1/2"	1/2"	34034436
CIF10/06	5/8"	3/8"	34034428
CIF10/08	5/8"	1/2"	34034437

# BRASS COMPRESSION FITTINGS



Hose Tails, Adaptors & Compression



## Nipple Adaptors



**Nipple Adaptor Tube Male, BSPT x Male, Metric**

1315	Tube OD mm	Thread	Equivalent
CMA05/02	5	1/8"	36055603
CMA05/04	5	1/4"	36055609
CMA06/02	6	1/8"	36055604
CMA06/04	6	1/4"	36055610
CMA08/04	8	1/4"	36055611
CMA08/06	8	3/8"	36055619
CMA12/08	12	1/2"	36055630



**Nipple Adaptor Tube Male, BSP x Female, Metric**

1315	Tube OD mm	Female Thread	Equivalent
CMNF04/02	4	1/8"	36055702
CMNF05/02	5	1/8"	36055703
CMNF06/02	6	1/8"	36055704
CMNF06/04	6	1/4"	36055710
CMNF08/04	8	1/4"	36055711
CMNF10/04	10	1/4"	36055712
CMNF12/06	12	3/8"	36055721
CMNF12/08	12	1/2"	36055730



**Nipple Adaptor Tube Male, BSPT x Male, Imperial**

1315	Tube OD	Thread	Equivalent
CIA03/02	3/16"	1/8"	34035008
CIA04/02	1/4"	1/8"	34035009
CIA05/04	5/16"	1/4"	34035017
CIA05/06	5/16"	3/8"	34035025
CIA06/04	3/8"	1/4"	34035018
CIA06/06	3/8"	3/8"	34035026
CIA08/04	1/2"	1/4"	34035019
CIA08/08	1/2"	1/2"	34035036



**Nipple Adaptor Tube Male, BSP x Female, Imperial**

1315	Tube OD	Female Thread	Equivalent
CINF03/02	3/16"	1/8"	34035108
CINF05/04	5/16"	1/4"	34035117
CINF06/06	3/8"	3/8"	34035126
CINF08/06	1/2"	3/8"	34035127
CINF08/08	1/2"	1/2"	34035136

## Nipple Connectors



**Nipple Connector, Metric**

1315	Tube OD mm	Equivalent
CMNC04	4	36063202
CMNC05	5	36063203
CMNC06	6	36063204
CMNC08	8	36063205



**Nipple Connector, Imperial**

1315	Tube OD	Equivalent
CINC04	1/4"	34029104
CINC06	3/8"	34029106
CINC08	1/2"	34029107

## Reducing Connectors



**Reducing Connector, Metric**

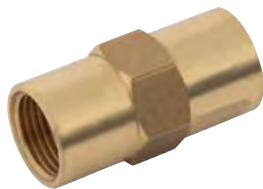
1315	Tube OD mm Male	Tube OD mm Female	Equivalent
CMMFB05/04	5	4	36051726
CMMFB06/04	6	4	36051727
CMMFB06/05	6	5	36051737
CMMFB08/04	8	4	36051728
CMMFB08/06	8	6	36051747
CMMFB10/06	10	6	36051748
CMMFB10/08	10	8	36051756
CMMFB12/06	12	6	36051749
CMMFB12/08	12	8	36051757
CMMFB12/10	12	10	36051764
CMMFB16/08	16	8	36051758
CMMFB16/12	16	12	36051771



**Reducing Connector, Imperial**

1315	Tube OD Male	Tube OD Female	Equivalent
CIMFB04/03	1/4"	3/16"	34035231
CIMFB05/04	5/16"	1/4"	34035239
CIMFB06/04	3/8"	1/4"	34035240
CIMFB06/05	3/8"	5/16"	34035246
CIMFB08/05	1/2"	5/16"	34035247
CIMFB08/06	1/2"	3/8"	34035252

## Straight Connectors



### Straight Connector, Metric

1315	Tube OD mm	Equivalent
CMS04	4	36050302
CMS05	5	36050303
CMS06	6	36050304
CMS08	8	36050305
CMS10	10	36050306
CMS12	12	36050307
CMS16	16	36050308
CMS18	18	36050318
CMS22	22	36050310



### Straight Connector, Imperial

1315	Tube OD	Equivalent
CIS03	3/16"	34000703
CIS04	1/4"	34000704
CIS05	5/16"	34000705
CIS06	3/8"	34000706
CIS08	1/2"	34000707
CIS12	3/4"	34000709

## Bulkhead Connectors



### Bulkhead Connector, Metric

1315	Tube OD mm	Male Thread	Equivalent
CMBH04	4	M12 x 1	36050802
CMBH05	5	M15 x 1	36050803
CMBH06	6	M15 x 1	36050804
CMBH08	8	M18 x 1.5	36050805
CMBH10	10	M20 x 1.5	36050806
CMBH12	12	M24 x 1.5	36050807
CMBH16	16	M30 x 1.5	36050808



### Bulkhead Connector, Imperial

1315	Tube OD	Male Thread	Equivalent
CIBH03	3/16"	1/4"	34002103
CIBH04	1/4"	3/8"	34002104
CIBH05	5/16"	3/8"	34002105
CIBH06	3/8"	1/2"	34002106
CIBH08	1/2"	3/4"	34002107

## Locknuts



### Locknut, Metric

1315	Thread	Equivalent
LNM12	M12 x 1.0	36052001
LNM14	M14 x 1.0	-
LNM15	M15 x 1.0	36052003
LNM16	M16 x 1.5	-
LNM18	M18 x 1.5	36052005
LNM20	M20 x 1.5	36052006
LNM24	M24 x 1.5	36052007
LNM28	M28 x 1.5	-
LNM30	M30 x 1.5	36052008
LNM34	M34 x 1.5	-
LNM45	M45 x 1.5	-



### Locknut, BSPP

1315	Thread	Equivalent
LN02	1/8"	34022301
LN04	1/4"	34022302
LN06	3/8"	34022303
LN08	1/2"	34022304
LN10	5/8"	-
LN12	3/4"	34022306
LN16	1"	34022308
LN20	1.1/4"	-
LN24	1.1/2"	-
LN32	2"	-



### Locknut NP, Metric

1315	Thread
LNM15NP	M15 x 1.0
LNM20NP	M20 x 1.5
LNM24NP	M24 x 1.5
LNM26NP	M26 x 1.5
LNM28NP	M28 x 1.5



### Locknut NP, BSPP

1315	Thread
LN02NP	1/8"
LN04NP	1/4"
LN06NP	3/8"
LN08NP	1/2"
LN12NP	3/4"
LN16NP	1"



## Elbows



**Male Elbow Adaptor, Metric, BSPT**

1315	Tube OD mm	Male Thread	Equivalent
CMLM04/02	4	1/8"	36000502
CMLM04/04	4	1/4"	36000508
CMLM05/02	5	1/8"	36000503
CMLM05/04	5	1/4"	36000509
CMLM06/02	6	1/8"	36000504
CMLM06/04	6	1/4"	36000510
CMLM06/06	6	3/8"	36000518
CMLM08/02	8	1/8"	36000505
CMLM08/04	8	1/4"	36000511
CMLM08/06	8	3/8"	36000519
CMLM08/08	8	1/2"	36000528
CMLM10/04	10	1/4"	36000512
CMLM10/06	10	3/8"	36000520
CMLM10/08	10	1/2"	36000529
CMLM12/04	12	1/4"	36000513
CMLM12/06	12	3/8"	36000521
CMLM12/08	12	1/2"	36000530
CMLM16/06	16	3/8"	36000522
CMLM16/08	16	1/2"	36000531
CMLM16/12	16	3/4"	36000545



**Male Elbow Adaptor, Imperial, BSPT**

1315	Tube OD	Male Thread	Equivalent
CILM03/02	3/16"	1/8"	34033008
CILM03/04	3/16"	1/4"	34033015
CILM04/02	1/4"	1/8"	34033009
CILM04/04	1/4"	1/4"	34033016
CILM05/02	5/16"	1/8"	34033010
CILM05/04	5/16"	1/4"	34033017
CILM05/06	5/16"	3/8"	34033025
CILM06/04	3/8"	1/4"	34033018
CILM06/06	3/8"	3/8"	34033026
CILM08/06	1/2"	3/8"	34033027
CILM08/08	1/2"	1/2"	34033036
CILM12/12	3/4"	3/4"	34033055



**Female Elbow Adaptor, Metric, BSPP**

1315	Tube OD mm	Male Thread	Equivalent
CMLF06/04	6	1/4"	36055510
CMLF08/04	8	1/4"	36055511
CMLF10/04	10	1/4"	36055512
CMLF10/06	10	3/8"	36055520



**Female Elbow Adaptor, Imperial, BSPP**

1315	Tube OD	Male Thread	Equivalent
CILF04/02	1/4"	1/8"	34032809
CILF06/06	3/8"	3/8"	34032826
CILF08/04	1/2"	1/4"	34032819
CILF08/06	1/2"	3/8"	34032827
CILF08/08	1/2"	1/2"	34032836



**Bracketed Elbow, Metric**

1315	Tube OD mm	Equivalent
CMBL06	6	36054804
CMBL10	10	36054806
CMBL12	12	36054807



**Bracketed Elbow, Imperial**

1315	Tube OD	Equivalent
CIBL08	1/2"	34006407



**Elbow Connector, Metric**

1315	Tube OD mm	Equivalent
CML04	4	36051102
CML05	5	36051103
CML06	6	36051104
CML08	8	36051105
CML10	10	36051106
CML12	12	36051107
CML16	16	36051108



**Elbow Connector, Imperial**

1315	Tube OD	Equivalent
CIL03	3/16"	34006003
CIL04	1/4"	34006004
CIL05	5/16"	34006005
CIL06	3/8"	34006006
CIL08	1/2"	34006007
CIL10	5/8"	34006008



## Elbow Connectors



### Stem Elbow Connector, Metric

1315	Tube OD mm	Stem OD mm	Equivalent
CMLS06	6	6	36055104
CMLS08	8	8	36055105
CMLS10	10	10	36055106
CMLS12	12	12	36055107
CMLS16	16	16	36055108



### Stem Elbow Connector, Imperial

1315	Tube OD	Stem OD	Equivalent
CILS03	3/16"	3/16"	34005703
CILS04	1/4"	1/4"	34005704
CILS05	5/16"	5/16"	34005705
CILS06	3/8"	3/8"	34005706
CILS08	1/2"	1/2"	34005707
CILS12	3/4"	3/4"	34005709



### Universal Stem Elbow, Imperial

1315	Stem OD	Equivalent
CIUSL04	1/4"	34029204
CIUSL05	5/16"	34029205
CIUSL06	3/8"	34029206
CIUSL08	1/2"	34029207

## Tees



### Male Tee Adaptor, Metric, BSPT

1315	Tube OD mm	Male Thread	Equivalent
CMTM04/02	4	1/8"	36062702
CMTM06/02	6	1/8"	36062704
CMTM08/04	8	1/4"	36062711
CMTM10/04	10	1/4"	36062712



### Male Tee Adaptor, Imperial, BSPT

1315	Tube OD	Male Thread	Equivalent
CITM03/02	3/16"	1/8"	34033408
CITM04/02	1/4"	1/8"	34033409
CITM06/04	3/8"	1/4"	34033418
CITM10/08	5/8"	1/2"	34033436



### Male Tee Adaptor, Metric, BSPT

1315	Tube OD mm	Male Thread	Equivalent
CMTR06/02	6	1/8"	36062804
CMTR12/06	12	3/8"	36062821



### Male Tee Adaptor, Imperial, BSPT

1315	Tube OD	Male Thread	Equivalent
CITR06/04	3/8"	1/4"	34033618



### Tee Connector, Metric

1315	Tube OD mm	Equivalent
CMT04	4	36051402
CMT05	5	36051403
CMT06	6	36051404
CMT08	8	36051405
CMT10	10	36051406
CMT12	12	36051407
CMT15	15	36051415
CMT16	16	36051408



### Tee Connector, Imperial

1315	Tube OD	Equivalent
CIT03	3/16"	34029003
CIT04	1/4"	34029004
CIT05	5/16"	34029005
CIT06	3/8"	34029006
CIT08	1/2"	34029007
CIT10	5/8"	34029008
CIT12	3/4"	34029009



### Bracketed Tee, Metric

1315	Tube OD mm	Equivalent
CMBT04	4	36054902
CMBT06	6	36054904
CMBT08	8	36054905
CMBT10	10	36054906
CMBT12	12	36054907



### Bracketed Tee, Imperial

1315	Tube OD	Equivalent
CIBT03	3/16"	34029303
CIBT04	1/4"	34029304
CIBT05	5/16"	34029305



## Tee Connectors



**Stem Tee Connector, Metric**

1315	Tube OD mm	Stem OD mm	Equivalent
<b>CMTS06</b>	6	6	36055004
<b>CMTS08</b>	8	8	36055005
<b>CMTS10</b>	10	10	36055006
<b>CMTS12</b>	12	12	36055007
<b>CMTS16</b>	16	16	36055008



**Stem Run Tee Connector, Metric**

1315	Tube OD mm	Stem OD mm	Equivalent
<b>CMTRS05</b>	5	5	36062603
<b>CMTRS06</b>	6	6	36062604
<b>CMTRS10</b>	10	10	36062606
<b>CMTRS12</b>	12	12	36062607



**Universal Stem Tee, Imperial**

1315	Stem OD	Equivalent
<b>CIUST04</b>	1/4"	34034204
<b>CIUST05</b>	5/16"	34034205
<b>CIUST06</b>	3/8"	34034206



**Stem Tee Connector, Imperial**

1315	Tube OD	Stem OD	Equivalent
<b>CITS03</b>	3/16"	3/16"	34033903
<b>CITS04</b>	1/4"	1/4"	34033904
<b>CITS05</b>	5/16"	5/16"	34033905
<b>CITS06</b>	3/8"	3/8"	34033906



**Stem Run Tee Connector, Imperial**

1315	Tube OD	Stem OD	Equivalent
<b>CITRS04</b>	1/4"	1/4"	34034104
<b>CITRS06</b>	3/8"	3/8"	34034106
<b>CITRS08</b>	1/2"	1/2"	34034107

## Y Connectors



**Y Connector, Metric**

1315	Tube OD mm	Equivalent
<b>CMY04</b>	4	36055802



**Y Connector, Imperial**

1315	Tube OD	Equivalent
<b>CIY06</b>	3/8"	34012706
<b>CIY08</b>	1/2"	34012707

## Crosses



**Four Way Connector, Metric**

1315	Tube OD mm	Equivalent
<b>CMX06</b>	6	36051604
<b>CMX10</b>	10	36051606
<b>CMX12</b>	12	36051607



**Four Way Connector, Imperial**

1315	Tube OD	Equivalent
<b>CIX06</b>	3/8"	34013106

## Stem Adaptors



### Nippled Stem Connector, Metric

1315	Tube OD mm	Stem OD mm	Equivalent
CMSPN06/06	6	6	36062504
CMSPN12/12	12	12	36062507



### Nippled Stem Connector, Imperial

1315	Tube OD	Stem OD	Equivalent
CISPN03/03	3/16"	3/16"	34001303
CISPN04/04	1/4"	1/4"	34001304
CISPN05/05	5/16"	5/16"	34001305
CISPN06/06	3/8"	3/8"	34001306



### Straight Stem Adaptor, Metric

1315	Thread	Standpipe mm	Equivalent
CMSPO2/08	1/8"	8	36053105
CMSPO4/06	1/4"	6	36053110
CMSPO4/08	1/4"	8	36053111
CMSPO4/10	1/4"	10	36053112
CMSPO6/10	3/8"	10	36053120
CMSPO6/12	3/8"	12	36053121
CMSPO8/12	1/2"	12	-



### Straight Stem Adaptor, Imperial, BSPT

1315	Thread	Standpipe	Equivalent
CISP02/03	1/8"	3/16"	34034308
CISP04/04	1/4"	1/4"	-
CISP04/05	1/4"	5/16"	34034317



### Stem (Stand Pipe) x Hosetail Adaptor, Metric

1315	Standpipe mm	Hosetail	Equivalent
CMSPH04/03	4	3/16"	36052415
CMSPH05/03	5	3/16"	36052416
CMSPH06/04	6	1/4"	36052424
CMSPH08/04	8	1/4"	36052425
CMSPH12/06	12	3/8"	36052443
CMSPH16/08	16	1/2"	36052453



### Stem (Stand Pipe) x Hosetail Adaptor, Imperial

1315	Standpipe	Hosetail	Equivalent
CISPH03/03	3/16"	3/16"	34005603
CISPH04/04	1/4"	1/4"	34005604
CISPH05/05	5/16"	5/16"	34005605
CISPH06/06	3/8"	3/8"	34005606
CISPH08/08	1/2"	1/2"	34005607

## Manifolds



### Single Side 4 Output Manifold, Metric

1315	Inlet Tube OD mm	Outlet Tube OD mm	No. of Outlets	Equivalent
CMMB08/05	8	5	4	36030438
CMMB12/08	12	8	4	36030457
CMMB16/10	16	10	4	36030465



### Single Side 4 Output Manifold, Imperial

1315	Inlet Tube OD	Outlet Tube OD	No. of Outlets	Equivalent
CIMB08/04	1/2"	1/4"	4	34030441



### Connector Block, Metric

1315	Tube OD mm	Inlets/Outlets	Equivalent
CMCMB04/02	4	2	36020202





### Connector Block, Imperial

1315	Tube OD	Inlets/Outlets	Equivalent
CICMB03/02	3/16"	2	34001503

# BRASS QUICK-FIT FITTINGS

The working pressures and working temperatures depend on which type of tube is used; for this reason, the values must be determined in accordance with the tubes features. For the "swivel" fittings, the values are:

 **Working Temperature:**  
-18°C to +70°C

 **Maximum Working Pressure:**  
15 bar (220 psi)

## Male Studs



### BSPT

1030	ID mm	OD mm	Thread
C1-4/2.7-1/8	2.7	4	1/8"
C1-5/3-1/8	3	5	1/8"
C1-6/4-1/8	4	6	1/8"
C1-6/4-1/4	4	6	1/4"
C1-6/4-3/8	4	6	3/8"
C1-8/6-1/8	6	8	1/8"
C1-8/6-1/4	6	8	1/4"
C1-8/6-3/8	6	8	3/8"
C1-8/6-1/2	6	8	1/2"
C1-10/8-1/8	8	10	1/8"
C1-10/8-1/4	8	10	1/4"
C1-10/8-3/8	8	10	3/8"
C1-10/8-1/2	8	10	1/2"
C1-12/10-3/8	10	12	3/8"
C1-12/10-1/2	10	12	1/2"
C1-15/12.5-1/2	12.5	15	1/2"

Tech Sheet 10705



### BSPP & Metric

1030	ID mm	OD mm	Thread
C1Z-4/2.7-5M	2.7	4	M5
C1Z-4/2.7-6M	2.7	4	M6
C1Z-4/2.7-1/8	2.7	4	1/8"
C1Z-5/3-5M	3	5	M5
C1Z-5/3-6M	3	5	M6
C1Z-5/3-1/8	3	5	1/8"
C1Z-6/4-5M	4	6	M5
C1Z-6/4-6M	4	6	M6
C1Z-6/4-1/8	4	6	1/8"
C1Z-6/4-1/4	4	6	1/4"
C1Z-6/4-3/8	4	6	3/8"
C1Z-6/4-1/2	4	6	1/2"
C1Z-8/6-1/8	6	8	1/8"
C1Z-8/6-1/4	6	8	1/4"
C1Z-8/6-3/8	6	8	3/8"
C1Z-10/8-1/8	8	10	1/8"
C1Z-10/8-1/4	8	10	1/4"
C1Z-10/8-3/8	8	10	3/8"
C1Z-10/8-1/2	8	10	1/2"
C1Z-12/10-3/8	10	12	3/8"
C1Z-12/10-1/2	10	12	1/2"

Tech Sheet 10705

## Swivel Male Studs



### BSPT

1030	ID mm	OD mm	Thread
C1X-6/4-1/4	4	6	1/4"
C1X-8/6-1/8	6	8	1/8"
C1X-8/6-1/4	6	8	1/4"
C1X-10/8-1/4	8	10	1/4"
C1X-12/8-3/8	8	12	3/8"
C1X-12/10-3/8	10	12	3/8"

Tech Sheet 10705



### BSPP

1030	ID mm	OD mm	Thread
C1Y-6/4-1/8	4	6	1/8"
C1Y-6/4-1/4	4	6	1/4"
C1Y-8/6-1/8	6	8	1/8"
C1Y-8/6-1/4	6	8	1/4"
C1Y-10/6.5-1/4	6.5	10	1/4"
C1Y-10/8-1/4	8	10	1/4"
C1Y-12/8-3/8	8	12	3/8"
C1Y-12/10-3/8	10	12	3/8"

Tech Sheet 10705

## Female Studs



### BSPP

1030	ID mm	OD mm	Thread
C2-6/4-1/8	4	6	1/8"
C2-6/4-1/4	4	6	1/4"
C2-6/4-3/8	4	6	3/8"
C2-8/6-1/8	6	8	1/8"
C2-8/6-1/4	6	8	1/4"
C2-8/6-3/8	6	8	3/8"
C2-8/6-1/2	6	8	1/2"
C2-10/8-1/4	8	10	1/4"
C2-10/8-3/8	8	10	3/8"
C2-10/8-1/2	8	10	1/2"
C2-12/10-3/8	10	12	3/8"

Tech Sheet 10705

## Straight Connectors



### Equal Tube x Tube

1030	ID mm	OD mm
C3-4/2.7	2.7	4
C3-5/3	3	5
C3-6/4	4	6
C3-8/6	6	8
C3-10/8	8	10
C3-12/10	10	12
C3-15/12.5	12.5	15

Tech Sheet 10705

### Unequal Tube x Tube

1030	ID A mm	OD A mm	ID B mm	OD B mm
C3-6/4-5/3	4	6	3	5
C3-8/6-6/4	6	8	4	6
C3-10/8-8/6	8	10	6	8

Tech Sheet 10705

## Bulkhead Connectors



### Equal Tube x Tube

1030	ID mm	OD mm
C4-4/2.7	2.7	4
C4-5/3	3	5
C4-6/4	4	6
C4-8/6	6	8
C4-10/8	8	10
C4-12/10	10	12

Tech Sheet 10705

### Unequal Tube x Tube

1030	ID A mm	OD A mm	ID B mm	OD B mm
C4-6/4-5/3	4	6	3	5
C4-8/6-6/4	6	8	4	6


Tech Sheet 10705

Hose Tails, Adaptors & Compression



The working pressures and working temperatures depend on which type of tube is used; for this reason, the values must be determined in accordance with the tubes features. For the "swivel" fittings, the values are:

 Working Temperature:  
-18°C to +70°C

 Maximum Working Pressure:  
15 bar (220 psi)

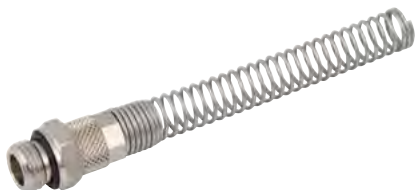
## Male Studs, Spring Guard



### BSPT

1030	ID mm	OD mm	Thread
E1-6/4-1/8	4	6	1/8"
E1-6/4-1/4	4	6	1/4"
E1-8/6-1/4	6	8	1/4"
E1-8/6-3/8	6	8	3/8"
E1-8/6-1/2	6	8	1/2"
E1-10/8-1/8	8	10	1/8"
E1-10/8-1/4	8	10	1/4"
E1-10/8-3/8	8	10	3/8"
E1-10/8-1/2	8	10	1/2"

Tech Sheet 10705



### BSPP

1030	ID mm	OD mm	Thread
E1Z-6/4-1/8	4	6	1/8"
E1Z-6/4-1/4	4	6	1/4"
E1Z-6/4-1/2	4	6	1/2"
E1Z-8/6-1/4	6	8	1/4"
E1Z-10/8-3/8	8	10	3/8"
E1Z-12/10-3/8	10	12	3/8"

Tech Sheet 10705

## Swivel Male Studs, Spring Guard



### BSPT

1030	ID mm	OD mm	Thread
E1X-6/4-1/8	4	6	1/8"
E1X-6/4-1/4	4	6	1/4"
E1X-8/6-1/4	6	8	1/4"
E1X-10/6.5-1/4	6.5	10	1/4"
E1X-10/8-1/4	8	10	1/4"
E1X-12/8-3/8	8	12	3/8"

Tech Sheet 10705



### BSPP

1030	ID mm	OD mm	Thread
E1Y-6/4-1/8	4	6	1/8"
E1Y-6/4-1/4	4	6	1/4"
E1Y-8/6-1/8	6	8	1/8"
E1Y-8/6-1/4	6	8	1/4"
E1Y-10/6.5-1/4	6.5	10	1/4"
E1Y-10/8-1/4	8	10	1/4"
E1Y-12/8-3/8	8	12	3/8"
E1Y-12/10-3/8	10	12	3/8"

Tech Sheet 10705

## Female Studs, Spring Guard



### BSPP

1030	ID mm	OD mm	Thread
C2X-6/4-1/8	4	6	1/8"
C2X-6/4-1/4	4	6	1/4"
C2X-6/4-3/8	4	6	3/8"
C2X-8/6-1/8	6	8	1/8"
C2X-8/6-1/4	6	8	1/4"
C2X-8/6-3/8	6	8	3/8"
C2X-8/6-1/2	6	8	1/2"
C2X-10/8-1/4	8	10	1/4"
C2X-10/8-3/8	8	10	3/8"
C2X-10/8-1/2	8	10	1/2"
C2X-12/10-3/8	10	12	3/8"

Tech Sheet 10705

## Locking Nuts



### Metric

1030	ID mm	OD mm	Thread
C10-4/2.7-M6	2.7	4	M6 x 0.5
C10-5/3-M7	3	5	M7 x 0.75
C10-6/4-M8	4	6	M8 x 0.75
C10-6/4-M10	4	6	M10 x 1
C10-8/6-M12	6	8	M12 x 1
C10-10/8-M14	8	10	M14 x 1
C10-15/12.5-M20	12.5	15	M20 x 1

Tech Sheet 10705

## Locking Nuts, Spring Guard



### Metric


1030	ID mm	OD mm	Thread
C10X-6/4	4	6	M10 x 1
C10X-8/6	6	8	M12 x 1
C10X-10/8	8	10	M14 x 1
C10X-12/10	10	12	M16 x 1


Tech Sheet 10705



# BRASS QUICK-FIT FITTINGS

The working pressures and working temperatures depend on which type of tube is used; for this reason, the values must be determined in accordance with the tubes features. For the "swivel" fittings, the values are:

 **Working Temperature:**  
-18°C to +70°C

 **Maximum Working Pressure:**  
15 bar (220 psi)

## Male Stud Elbows



### BSPT

1030	ID mm	OD mm	Thread
C5-4/2.7-1/8	2.7	4	1/8"
C5-5/3-1/8	3	5	1/8"
C5-6/4-1/8	4	6	1/8"
C5-6/4-1/4	4	6	1/4"
C5-6/4-3/8	4	6	3/8"
C5-8/6-1/8	6	8	1/8"
C5-8/6-1/4	6	8	1/4"
C5-8/6-3/8	6	8	3/8"
C5-8/6-1/2	6	8	1/2"
C5-10/8-1/8	8	10	1/8"
C5-10/8-1/4	8	10	1/4"
C5-10/8-3/8	8	10	3/8"
C5-10/8-1/2	8	10	1/2"
C5-12/10-3/8	10	12	3/8"
C5-12/10-1/2	10	12	1/2"
C5-15/12.5-1/2	12.5	15	1/2"

Tech Sheet 10705

## Swivel Male Stud Elbows



### BSPT

1030	ID mm	OD mm	Thread
C5X-4/2.7-1/8	2.7	4	1/8"
C5X-6/4-1/8	4	6	1/8"
C5X-6/4-1/4	4	6	1/4"
C5X-8/6-1/8	6	8	1/8"
C5X-8/6-1/4	6	8	1/4"
C5X-10/8-1/4	8	10	1/4"

Tech Sheet 10705



### BSPP

1030	ID mm	OD mm	Thread
C5Y-4/2.7-1/8	2.7	4	1/8"
C5Y-6/4-M5	4	6	M5
C5Y-6/4-1/8	4	6	1/8"
C5Y-6/4-1/4	4	6	1/4"
C5Y-8/6-1/8	6	8	1/8"
C5Y-8/6-1/4	6	8	1/4"
C5Y-10/8-1/4	8	10	1/4"

Tech Sheet 10705

## Female Stud Elbows



### BSPP

1030	ID mm	OD mm	Thread
C5F-5/3-1/8	3	5	1/8"
C5F-6/4-1/8	4	6	1/8"
C5F-6/4-1/4	4	6	1/4"
C5F-8/6-1/8	6	8	1/8"
C5F-8/6-1/4	6	8	1/4"
C5F-10/8-1/4	8	10	1/4"
C5F-10/8-3/8	8	10	3/8"

Tech Sheet 10705

## Elbow Connectors



### Equal Tube x Tube

1030	ID mm	OD mm
C6-4/2.7	2.7	4
C6-5/3	3	5
C6-6/4	4	6
C6-8/6	6	8
C6-10/8	8	10
C6-12/10	10	12

Tech Sheet 10705

### Unequal Tube x Tube

1030	ID A mm	OD A mm	ID B mm	OD B mm
C6-8/6-6/4	6	8	4	6

Tech Sheet 30099





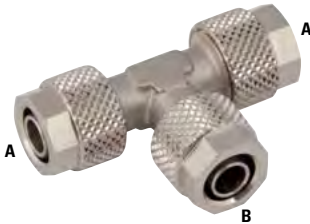
# 2 BRASS QUICK-FIT FITTINGS

The working pressures and working temperatures depend on which type of tube is used; for this reason, the values must be determined in accordance with the tubes features. For the "swivel" fittings, the values are:

**Working Temperature:**  
-18°C to +70°C

**Maximum Working Pressure:**  
15 bar (220 psi)

## Tee Connectors



### Equal Tube x Tube

1030	ID mm	OD mm
C9-4/2.7	2.7	4
C9-5/3	3	5
C9-6/4	4	6
C9-8/6	6	8
C9-10/8	8	10
C9-12/10	10	12
C9-15/12.5	12.5	15

Tech Sheet 10705

### Unequal Tube x Tube

1030	ID A mm	OD A mm	ID B mm	OD B mm
C9-8/6-6/4	6	8	4	6
C9-10/8-8/6	8	10	6	8

Tech Sheet 10705

## Male Stud Tees



### BSPT, Branch

1030	ID mm	OD mm	Thread
C7-4/2.7-1/8	2.7	4	1/8"
C7-6/4-1/8	4	6	1/8"
C7-6/4-1/4	4	6	1/4"
C7-8/6-1/8	6	8	1/8"
C7-8/6-1/4	6	8	1/4"
C7-10/8-1/4	8	10	1/4"
C7-12/10-3/8	10	12	3/8"
C7-15/12.5-1/2	12.5	15	1/2"

Tech Sheet 10705



### BSPT, Run

1030	ID mm	OD mm	Thread
C8-6/4-1/8	4	6	1/8"
C8-6/4-1/4	4	6	1/4"
C8-8/6-1/8	6	8	1/8"
C8-8/6-1/4	6	8	1/4"
C8-10/8-1/4	8	10	1/4"

Tech Sheet 10705

## Male Stud Swivel Tees



### BSPT, Branch

1030	ID mm	OD mm	Thread
C7X-6/4-1/8	4	6	1/8"
C7X-6/4-1/4	4	6	1/4"
C7X-8/6-1/8	6	8	1/8"
C7X-8/6-1/4	6	8	1/4"
C7X-10/8-1/4	8	10	1/4"

Tech Sheet 10705



### BSPP, Branch

1030	ID mm	OD mm	Thread
C7Y-6/4-1/8	4	6	1/8"
C7Y-8/6-1/8	6	8	1/8"
C7Y-8/6-1/4	6	8	1/4"

Tech Sheet 10705

# BRASS QUICK-FIT FITTINGS

## Cross Connectors



### Tube x Tube

1030	ID mm	OD mm
C11-6/4	4	6
C11-8/6	6	8
C11-12/10	10	12
C11-15/12.5	12.5	15

Tech Sheet 10705

## Female Single Banjo Body



### Female Thread, BSPP

1030	Thread
6090-1/8	1/8"
6090-1/4	1/4"

Tech Sheet 10705

## Single Banjo Body - Quick-Fit



### BSPP & Metric

1030	ID mm	OD mm	Thread
D5-4/2.7-5M	2.7	4	M5
D5-4/2.7-1/8	2.7	4	1/8"
D5-4/2.7-6M	2.7	4	M6
D5-5/3-5M	3	5	M5
D5-6/4-5M	4	6	M5
D5-6/4-1/8	4	6	1/8"
D5-6/4-1/4	4	6	1/4"
D5-6/4-3/8	4	6	3/8"
D5-8/6-1/8	6	8	1/8"
D5-8/6-1/4	6	8	1/4"
D5-8/6-3/8	6	8	3/8"
D5-8/6-1/2	6	8	1/2"
D5-10/8-1/4	8	10	1/4"
D5-10/8-3/8	8	10	3/8"
D5-10/8-1/2	8	10	1/2"
D5-12/10-3/8	10	12	3/8"
D5-12/10-1/2	10	12	1/2"
D5-15/12.5-1/2	12.5	15	1/2"

Tech Sheet 10705

## Double Banjo Body - Quick-Fit



### BSPP & Metric

1030	ID mm	OD mm	Thread
D6-4/2.7-1/8	2.7	4	1/8"
D6-5/3-5M	3	5	M5
D6-8/6-1/8	6	8	1/8"
D6-8/6-1/4	6	8	1/4"
D6-8/6-3/8	6	8	3/8"
D6-8/6-1/2	6	8	1/2"
D6-10/8-1/8	8	10	1/8"
D6-10/8-1/2	8	10	1/2"
D6-15/12.5-1/2	12.5	15	1/2"

Tech Sheet 10705

## Washers



### Nylon, Notched

1030	Thread
D11X-5M	M5
D11X-6M	M6
D11X-1/8	1/8"
D11X-1/4	1/4"
D11X-3/8	3/8"
D11X-1/2	1/2"
D11X-3/4	3/4"

Tech Sheet 10705



### Aluminium

1030	Thread
D11-5M	M5
D11-1/8	1/8"
D11-1/4	1/4"
D11-3/8	3/8"
D11-1/2	1/2"
D11-3/4	3/4"
D11-1	1"
D11-11/2	1.1/2"
D11-2	2"

Tech Sheet 10705

## Short Banjo Bolts



### Single Stem, BSPP & Metric

1030	Thread
D7-5M-L	M5
D7-6M	M6
D7-1/8	1/8"
D7-1/4	1/4"
D7-3/8	3/8"
D7-1/2	1/2"
D7-M12X1.5	M12 x 1.5

Tech Sheet 10705



### Double Stem, BSPP

1030	Thread
D8-1/8	1/8"
D8-1/4	1/4"
D8-3/8	3/8"
D8-1/2	1/2"

Tech Sheet 10705



### Triple Stem, BSPP

1030	Thread
D13-1/4	1/4"
D13-1/2	1/2"

Tech Sheet 10705



### Washer 10mm

1030	Thread
D11Z-1/4	1/4"

Tech Sheet 10705

# IMPERIAL BRASS COMPRESSION FITTINGS



**Please note:** Safe pressures and temperatures depend entirely on the tubes being used, for this reason the values must be determined in accordance with the tube features.

**Media:** Water, oils, compressed air

Use universal barrel olive for copper and nylon tube.

## Male Studs



### BSPT

0062	OD	Thread
APMS-14-18	1/4"	1/8"
APMS-14-14	1/4"	1/4"
APMS-14-38	1/4"	3/8"
APMS-14-12	1/4"	1/2"
APMS-516-18	5/16"	1/8"
APMS-516-14	5/16"	1/4"
APMS-516-38	5/16"	3/8"
APMS-516-12	5/16"	1/2"
APMS-38-18	3/8"	1/8"
APMS-38-14	3/8"	1/4"
APMS-38-38	3/8"	3/8"
APMS-38-12	3/8"	1/2"
APMS-12-14	1/2"	1/4"
APMS-12-38	1/2"	3/8"
APMS-12-12	1/2"	1/2"

Tech Sheet 20193

## Male Stud Elbows



### BSPT

0062	OD	Thread
APSE-14-18	1/4"	1/8"
APSE-14-14	1/4"	1/4"
APSE-14-38	1/4"	3/8"
APSE-14-12	1/4"	1/2"
APSE-516-18	5/16"	1/8"
APSE-516-14	5/16"	1/4"
APSE-516-38	5/16"	3/8"
APSE-38-18	3/8"	1/8"
APSE-38-14	3/8"	1/4"
APSE-38-38	3/8"	3/8"
APSE-38-12	3/8"	1/2"
APSE-12-14	1/2"	1/4"
APSE-12-38	1/2"	3/8"
APSE-12-12	1/2"	1/2"

Tech Sheet 20194

## Female Studs



### BSPP

0062	OD	Thread
APFS-14-18	1/4"	1/8"
APFS-14-14	1/4"	1/4"
APFS-14-38	1/4"	3/8"
APFS-14-12	1/4"	1/2"
APFS-516-14	5/16"	1/4"
APFS-516-38	5/16"	3/8"
APFS-516-12	5/16"	1/2"
APFS-38-14	3/8"	1/4"
APFS-38-38	3/8"	3/8"
APFS-38-12	3/8"	1/2"
APFS-12-14	1/2"	1/4"
APFS-12-38	1/2"	3/8"
APFS-12-12	1/2"	1/2"

Tech Sheet 20192

## Brass Barrel Olives



0062	OD
APBO-14	1/4"
APBO-516	5/16"
APBO-38	3/8"
APBO-12	1/2"

## Female Stud Elbows



### BSPP

0062	OD	Thread
APFE-14-14	1/4"	1/4"
APFE-516-14	5/16"	1/4"
APFE-38-14	3/8"	1/4"
APFE-38-38	3/8"	3/8"

Tech Sheet 20191

## Brass Nuts



0062	OD
APBN-14	1/4"
APBN-516	5/16"
APBN-38	3/8"
APBN-12	1/2"

Tech Sheet 20189

## Tees, Male Stud Branch



### BSPT

0062	OD	Thread
APST-14-18	1/4"	1/8"
APST-14-14	1/4"	1/4"
APST-516-14	5/16"	1/4"
APST-38-14	3/8"	1/4"
APST-12-14	1/2"	1/4"
APST-12-12	1/2"	1/2"

Tech Sheet 20195

## Equal Connectors



### Tube x Tube

0062	OD
APEC-14	1/4"
APEC-516	5/16"
APEC-38	3/8"
APEC-12	1/2"

Tech Sheet 20187

## Equal Tees



### Tube x Tube

0062	OD
APET-14	1/4"
APET-516	5/16"
APET-38	3/8"
APET-12	1/2"

Tech Sheet 20190

## Equal Elbows



### Tube x Tube

0062	OD
APEE-14	1/4"
APEE-516	5/16"
APEE-38	3/8"
APEE-12	1/2"

Tech Sheet 20188



# IMPERIAL BRASS COMPRESSION FITTINGS

**Please note:** Safe pressures and temperatures depend entirely on the tubes being used, for this reason the values must be determined in accordance with the tube features.

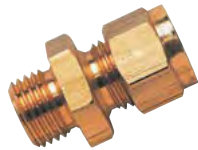
**Media:** Water, oils, compressed air

## Male Studs



### BSPT

1300	OD	Thread
MST18-18	1/8"	1/8"
MST18-14	1/8"	1/4"
MST316-18	3/16"	1/8"
MST316-14	3/16"	1/4"
MST14-18	1/4"	1/8"
MST14-14	1/4"	1/4"
MST14-38	1/4"	3/8"
MST14-12	1/4"	1/2"
MST516-18	5/16"	1/8"
MST516-14	5/16"	1/4"
MST516-38	5/16"	3/8"
MST516-12	5/16"	1/2"
MST38-18	3/8"	1/8"
MST38-14	3/8"	1/4"
MST38-38	3/8"	3/8"
MST38-12	3/8"	1/2"
MST12-14	1/2"	1/4"
MST12-38	1/2"	3/8"
MST12-12	1/2"	1/2"
MST34-12	3/4"	1/2"
MST34-34	3/4"	3/4"



### BSPP

1300	OD	Thread
MSP18-18	1/8"	1/8"
MSP18-14	1/8"	1/4"
MSP316-18	3/16"	1/8"
MSP316-14	3/16"	1/4"
MSP316-38	3/16"	3/8"
MSP14-18	1/4"	1/8"
MSP14-14	1/4"	1/4"
MSP14-38	1/4"	3/8"
MSP14-12	1/4"	1/2"
MSP516-18	5/16"	1/8"
MSP516-14	5/16"	1/4"
MSP516-38	5/16"	3/8"
MSP516-12	5/16"	1/2"
MSP38-18	3/8"	1/8"
MSP38-14	3/8"	1/4"
MSP38-38	3/8"	3/8"
MSP38-12	3/8"	1/2"
MSP12-14	1/2"	1/4"
MSP12-38	1/2"	3/8"
MSP12-12	1/2"	1/2"
MSP12-34	1/2"	3/4"
MSP34-12	3/4"	1/2"
MSP34-34	3/4"	3/4"
MSP1-1	1"	1"

## Female Studs



### BSPP

1300	OD	Thread
FSC18-18	1/8"	1/8"
FSC18-14	1/8"	1/4"
FSC316-18	3/16"	1/8"
FSC316-14	3/16"	1/4"
FSC316-38	3/16"	3/8"
FSC14-18	1/4"	1/8"
FSC14-14	1/4"	1/4"
FSC14-38	1/4"	3/8"
FSC14-12	1/4"	1/2"
FSC516-18	5/16"	1/8"
FSC516-14	5/16"	1/4"
FSC516-38	5/16"	3/8"
FSC516-12	5/16"	1/2"
FSC38-18	3/8"	1/8"
FSC38-14	3/8"	1/4"
FSC38-38	3/8"	3/8"
FSC38-12	3/8"	1/2"
FSC12-14	1/2"	1/4"
FSC12-38	1/2"	3/8"
FSC12-12	1/2"	1/2"
FSC34-12	3/4"	1/2"
FSC34-34	3/4"	3/4"
FSC1-1	1"	1"

## Equal Ended



### Tube x Tube

1300	Thread
EEC18	1/8"
EEC316	3/16"
EEC14	1/4"
EEC516	5/16"
EEC38	3/8"
EEC12	1/2"
EEC34	3/4"
EEC1	1"

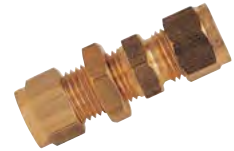
## Imperial to Metric Couplings



### Tube x Tube

1300	OD	OD mm
IMC14-6	1/4"	6
IMC38-10	3/8"	10

## Equal Ended Bulkheads



### Tube x Tube

1300	OD	Thread
EB18	1/8"	1/8"
EB316	3/16"	1/8"
EB14	1/4"	1/4"
EB14/2	1/4"	3/8"
EB516	5/16"	1/8"
EB38	3/8"	3/8"
EB12	1/2"	1/2"

## Female Pressure Gauge Connectors



### BSPP

1300	OD	Thread
PGC14-14	1/4"	1/4"
PGC14-38	1/4"	3/8"
PGC14-12	1/4"	1/2"
PGC38-38	3/8"	3/8"

## Reducing Couplings



### Tube x Tube

1300	OD	OD
RDC316-18	3/16"	1/8"
RDC14-18	1/4"	1/8"
RDC14-316	1/4"	3/16"
RDC516-316	5/16"	3/16"
RDC516-14	5/16"	1/4"
RDC38-14	3/8"	1/4"
RDC38-516	3/8"	5/16"
RDC12-14	1/2"	1/4"
RDC12-516	1/2"	5/16"
RDC12-38	1/2"	3/8"

## Tees, Male Stud Branch



### BSPT

1300	OD	Thread
MSB14-18	1/4"	1/8"
MSB14-14	1/4"	1/4"
MSB516-14	5/16"	1/4"
MSB38-14	3/8"	1/4"
MSB38-38	3/8"	3/8"
MSB12-12	1/2"	1/2"

## Equal Tees



### Tube x Tube

1300	OD
TE18	1/8"
TE316	3/16"
TE14	1/4"
TE516	5/16"
TE38	3/8"
TE12	1/2"
TE34	3/4"

## Tees, Male Stud Run



### BSPT

1300	OD	Thread
MSR316-18	3/16"	1/8"
MSR14-18	1/4"	1/8"
MSR14-14	1/4"	1/4"
MSR516-14	5/16"	1/4"
MSR38-38	3/8"	3/8"

## Reducing Branch Tees



### Tube x Tube

1300	OD	Branch OD
RT14-316	1/4"	3/16"
RT516-316	5/16"	3/16"
RT516-14	5/16"	1/4"
RT38-14	3/8"	1/4"
RT38-516	3/8"	5/16"
RT12-14	1/2"	1/4"
RT12-38	1/2"	3/8"

## Equal Ended Crosses



### Tube x Tube

1300	OD
EX14	1/4"
EX516	5/16"
EX38	3/8"
EX12	1/2"

## Plug Cocks, Equal



### Tube x Tube

1300	OD
EPC14	1/4"
EPC38	3/8"

## Flanged Blanking Plugs



### BSPP

1300	Thread
FBP18	1/8"
FBP14	1/4"
FBP38	3/8"
FBP12	1/2"
FBP34	3/4"
FBP1	1"

## End Stops



### Tube

1300	OD
ES316	3/16"
ES14	1/4"
ES516	5/16"
ES38	3/8"
ES12	1/2"
ES34	3/4"

## Standpipe Elbows



### Tube x Stem

1300	Stem OD	OD
SPE516	5/16"	5/16"
SPE38	3/8"	3/8"
SPE12	1/2"	1/2"

## Female Stud Elbows



### BSPP

1300	OD	Thread
FSE316-18	3/16"	1/8"
FSE18-18	1/8"	1/8"
FSE14-18	1/4"	1/8"
FSE14-14	1/4"	1/4"
FSE516-14	5/16"	1/4"
FSE38-14	3/8"	1/4"
FSE38-38	3/8"	3/8"
FSE38-12	3/8"	1/2"
FSE12-12	1/2"	1/2"

## Equal Elbows



### Tube x Tube

1300	OD
EL18	1/8"
EL316	3/16"
EL14	1/4"
EL516	5/16"
EL38	3/8"
EL12	1/2"
EL34	3/4"



# IMPERIAL BRASS COMPRESSION FITTINGS

## Male Stud Elbows



### BSPT

1300	OD	Thread
MSE18-18	1/8"	1/8"
MSE316-18	3/16"	1/8"
MSE316-14	3/16"	1/4"
MSE14-18	1/4"	1/8"
MSE14-14	1/4"	1/4"
MSE14-38	1/4"	3/8"
MSE516-18	5/16"	1/8"
MSE516-14	5/16"	1/4"
MSE38-18	3/8"	1/8"
MSE38-14	3/8"	1/4"
MSE38-38	3/8"	3/8"
MSE12-14	1/2"	1/4"
MSE12-38	1/2"	3/8"
MSE12-12	1/2"	1/2"
MSE34-34	3/4"	3/4"

## Brass Compression Rings



1300	OD
CR18	1/8"
CR316	3/16"
CR14	1/4"
CR516	5/16"
CR38	3/8"
CR12	1/2"
CR34	3/4"
CR1	1"

## Fulham Nozzles



### Female Thread, BSPP

1300	To Suit Hose ID	Thread
FNF18	3/8"	1/8"
FNF14	3/8"	1/4"
FNF38	3/8"	3/8"



### Male Thread, BSPT

1300	To Suit Hose ID	Thread
FN18	3/8"	1/8"
FN14	3/8"	1/4"
FN38	3/8"	3/8"



### Male Thread, BSPP

1300	To Suit Hose ID	Thread
FNP18	3/8"	1/8"
FNP14	3/8"	1/4"
FNP38	3/8"	3/8"



### Tube x Hose Tail

1300	To Suit Hose ID	OD
FNT14	3/8"	1/4"
FNT516	3/8"	5/16"
FNT38	3/8"	3/8"

## Compression Nuts



### BSPP

1300	OD	Thread
UN18	1/8"	1/8"
UN316	3/16"	1/8"
UN14	1/4"	1/4"
UN516	5/16"	1/4"
UN38	3/8"	3/8"
UN12	1/2"	1/2"
UN34	3/4"	3/4"

## Copper Washers for BSPP Stud Ends



### To suit BSPP

1300	Male Thread	Female Thread
CW18	1/8"	3/8"
CW14	1/4"	1/2"
CW38	3/8"	3/4"
CW12	1/2"	7/8"
CW34	3/4"	-
CW1	1"	-
CW114	1.1/4"	-
CW112	1.1/2"	-
CW2	2"	-

Tech Sheet 20358



**Please note:** Safe pressures and temperatures depend entirely on the tubes being used, for this reason the values must be determined in accordance with the tube features.

**Media:** Water, oils, compressed air

## Male Studs



### BSPT

1040	OD mm	Thread
13480-4-18	4	1/8"
13480-4-14	4	1/4"
13480-6-18	6	1/8"
13480-6-14	6	1/4"
13480-6-38	6	3/8"
13480-8-18	8	1/8"
13480-8-14	8	1/4"
13480-8-38	8	3/8"
13480-10-14	10	1/4"
13480-10-38	10	3/8"
13480-10-12	10	1/2"
13480-12-14	12	1/4"
13480-12-38	12	3/8"
13480-12-12	12	1/2"
13480-14-12	14	1/2"
13480-15-12	15	1/2"
13480-22-12	22	1/2"
13480-22-34	22	3/4"

Tech Sheet 68743



### BSPP

1040	OD mm	Thread
13485-4-18	4	1/8"
13485-6-18	6	1/8"
13485-6-14	6	1/4"
13485-8-18	8	1/8"
13485-8-14	8	1/4"
13485-8-38	8	3/8"
13485-10-14	10	1/4"
13485-10-38	10	3/8"
13485-22-34	22	3/4"
13485-22-1	22	1"

Tech Sheet 68743

## Standpipe Adaptors



### BSPP

1040	OD mm	Thread
13530-6-18	6	1/8"
13530-6-14	6	1/4"
13530-8-18	8	1/8"
13530-8-14	8	1/4"
13530-8-38	8	3/8"
13530-10-14	10	1/4"
13530-10-38	10	3/8"

Tech Sheet 68743

## Female Studs



### BSPP

1040	OD mm	Thread
13500-4-18	4	1/8"
13500-4-14	4	1/4"
13500-6-18	6	1/8"
13500-6-14	6	1/4"
13500-8-18	8	1/8"
13500-8-14	8	1/4"
13500-8-38	8	3/8"
13500-10-14	10	1/4"
13500-10-38	10	3/8"
13500-10-12	10	1/2"
13500-12-14	12	1/4"
13500-12-38	12	3/8"
13500-12-12	12	1/2"
13500-14-12	14	1/2"
13500-15-12	15	1/2"
13500-22-34	22	3/4"

Tech Sheet 68743

## Male Stud Elbows



### BSPT

1040	OD mm	Thread
13280-4-18	4	1/8"
13280-6-18	6	1/8"
13280-6-14	6	1/4"
13280-8-18	8	1/8"
13280-8-14	8	1/4"
13280-8-38	8	3/8"
13280-10-14	10	1/4"
13280-10-38	10	3/8"
13280-10-12	10	1/2"
13280-12-14	12	1/4"
13280-12-38	12	3/8"
13280-12-12	12	1/2"
13280-14-12	14	1/2"
13280-15-12	15	1/2"
13280-22-34	22	3/4"

Tech Sheet 68743

## Equal Elbows



### Tube x Tube

1040	OD mm
13260-4	4
13260-6	6
13260-8	8
13260-10	10
13260-12	12
13260-14	14
13260-15	15
13260-22	22

Tech Sheet 68743

## Bulkhead Connectors



### Tube x Tube

1040	OD mm
13465-4	4
13465-6	6
13465-8	8
13465-10	10
13465-12	12
13465-14	14

Tech Sheet 68743

## Straight Connectors



### Tube x Tube

1040	OD mm
13460-4	4
13460-6	6
13460-8	8
13460-10	10
13460-12	12
13460-14	14
13460-15	15
13460-22	22

Tech Sheet 68743

## Internal Tube Supports

- This internal tube support, will prevent the tube from crushing caused by over tightening of compression type fittings or clamps.



### Tube

1000	To Suit Hose ID mm
877-0027	2.7
877-0004	4
877-0006	6
877-0008	8
877-0009	9
877-0010	10
877-0012	12
877-0125	12.5
877-0013	13
877-0015	15
877-0016	16
877-0018	18

# METRIC BRASS COMPRESSION FITTINGS



Hose Tails, Adaptors & Compression



## Equal Crosses

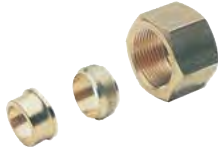


### Tube x Tube

1040	OD mm
13510-4	4
13510-6	6
13510-8	8
13510-10	10
13510-12	12
13510-14	14

Tech Sheet 68743

## Reducers



### Tube

1040	ID mm	OD mm
13600-4-6	4	6
13600-6-8	6	8
13600-8-10	8	10
13600-10-12	10	12

Tech Sheet 68743

## Male Stud Tees



### BSPT

1040	OD mm	Thread
13220-4-18	4	1/8"
13220-6-18	6	1/8"
13220-6-14	6	1/4"
13220-8-18	8	1/8"
13220-8-14	8	1/4"
13220-8-38	8	3/8"
13220-10-14	10	1/4"
13220-10-38	10	3/8"
13220-10-12	10	1/2"
13220-12-14	12	1/4"
13220-12-38	12	3/8"
13220-12-12	12	1/2"
13220-14-12	14	1/2"
13220-15-12	15	1/2"
13220-22-34	22	3/4"

Tech Sheet 68743

## Equal Tees



### Tube x Tube

1040	OD mm
13200-4	4
13200-6	6
13200-8	8
13200-10	10
13200-12	12
13200-14	14
13200-15	15
13200-22	22

Tech Sheet 68743

## Hose Tail Stem Adaptors



### Stem x Hose Tail

1040	Stem OD mm	To Suit Hose ID mm
13540-6-7	6	7
13540-8-7	8	7
13540-8-10	8	10
13540-10-7	10	7
13540-10-10	10	10
13540-12-10	12	10
13540-12-13	12	13

Tech Sheet 68743

## Nuts



### Tube

1040	OD mm	Thread
13680-4	4	M8 x 1
13680-6	6	M10 x 1
13680-8	8	M12 x 1
13680-10	10	M16 x 1.5
13680-12	12	M18 x 1.5
13680-14	14	M20 x 1.5
13680-15	15	M20 x 1.5
13680-22	22	M30 x 1.5

Tech Sheet 68743

## Brass Olives



### Tube

1040	OD mm
13740-4	4
13740-6	6
13740-8	8
13740-10	10
13740-12	12
13740-14	14
13740-15	15
13740-22	22

Tech Sheet 68743

## Single Banjo Body with Stem



### BSPP

1040	OD mm	Thread
13550-4-18	4	1/8"
13550-6-18	6	1/8"
13550-6-14	6	1/4"
13550-8-18	8	1/8"
13550-8-14	8	1/4"
13550-8-38	8	3/8"
13550-10-14	10	1/4"
13550-10-38	10	3/8"

Tech Sheet 68743

## Blanking Plugs



### Tube

1040	OD mm
13780-4	4
13780-6	6
13780-8	8
13780-10	10
13780-12	12
13780-14	14
13780-15	15
13780-22	22

Tech Sheet 68743

**Please note:** Safe pressures and temperatures depend entirely on the tubes being used. For this reason, the values must be determined in accordance with the tube features.

**Media:** Water, oils and compressed air.

## Male Studs



### BSPT

1040	OD mm	Thread
2018-5336	4	1/8"
2018-5344	6	1/8"
2018-5351	6	1/4"
2018-5369	8	1/8"
2018-5377	8	1/4"
2018-5385	8	3/8"
2018-5393	10	1/4"
2018-5401	10	3/8"
2018-5419	12	3/8"
2018-5435	12	1/2"
2018-5436	14	1/2"
2018-5914	15	1/2"
2018-5915	16	1/2"
2018-5916	18	1/2"

Tech Sheet 68742

## Female Studs



### BSPP

1040	OD mm	Thread
2018-5468	4	1/8"
2018-5476	6	1/8"
2018-5484	6	1/4"
2018-5492	8	1/8"
2018-5500	8	1/4"
2018-5518	8	3/8"
2018-5526	10	1/4"
2018-5534	10	3/8"
2018-5542	12	3/8"
2018-5559	12	1/2"
2018-5567	15	1/2"

Tech Sheet 68742

## Straight Connectors



### Tube x Tube

1040	OD mm
2018-5773	4
2018-5880	6
2018-5922	8
2018-5930	10
2018-5948	12
2018-5950	15
2018-5951	16

Tech Sheet 68742

## Male Stud Elbows



### BSPT

1040	OD mm	Thread
2018-5666	4	1/8"
2018-5674	6	1/8"
2018-5682	6	1/4"
2018-5690	8	1/8"
2018-5708	8	1/4"
2018-5716	8	3/8"
2018-5724	10	1/4"
2018-5732	10	3/8"
2018-5740	12	3/8"
2018-5757	12	1/2"
2018-5766	14	1/2"
2018-5765	15	1/2"
2018-5767	16	1/2"

Tech Sheet 68742

## Equal Elbows



### Tube x Tube

1040	OD mm
2018-5575	4
2018-5583	6
2018-5591	8
2018-5609	10
2018-5617	12
2018-5626	14
2018-5625	15

Tech Sheet 68742

## Equal Tees



### Tube x Tube

1040	OD mm
2018-5963	4
2018-5971	6
2018-5989	8
2018-5997	10
2018-6003	12
2018-6013	15

Tech Sheet 68742

## Male Stud Branch Tees



### BSPT

1040	OD mm	Thread
2018-6029	4	1/8"
2018-6045	6	1/4"
2018-6060	8	1/8"
2018-6094	8	1/4"
2018-6128	10	1/4"
2018-6151	12	3/8"
2018-6169	12	1/2"
2018-6177	15	1/2"

Tech Sheet 68742

**Please note:** Safe pressures and temperatures depend entirely on the tubes being used. For this reason, the values must be determined in accordance with the tube features.

**Media:** Water, oils and compressed air.

## Male Stud Run Tees



### BSPT

1040	OD mm	Thread
92304-1/8	4	1/8"
92306-1/8	6	1/8"
92306-1/4	6	1/4"
92308-1/8	8	1/8"
92308-1/4	8	1/4"
92308-3/8	8	3/8"
923010-1/4	10	1/4"
923010-3/8	10	3/8"
923012-3/8	12	3/8"
923012-1/2	12	1/2"
923014-1/2	14	1/2"
923015-1/2	15	1/2"
923016-1/2	16	1/2"
923018-1/2	18	1/2"

## Single Banjos



### BSPP

1040	OD mm	Thread
2018-3041	6	1/8"
2018-3042	6	1/4"
2018-3043	8	1/8"
2018-3044	8	1/4"

Tech Sheet 68742

## Olives



### Brass

1040	OD mm
2018-6243	4
2018-6250	6
2018-6268	8
2018-6276	10
2018-6284	12
2018-6292	15
2018-6296	18

Tech Sheet 68742

## Nuts



### BSPP

1040	OD mm	Thread
2018-6185	4	M8 x 1
2018-6193	6	M10 x 1
2018-6201	8	M12 x 1
2018-6219	10	M16 x 1.5

Tech Sheet 68742



### Brass, Universal

1040	OD mm
2018-3001	4
2018-3002	6
2018-3003	8
2018-3004	10
2018-3005	12
2018-3009	18

Tech Sheet 68742



### PTFE

1040	OD mm
2018-3022	4
2018-3023	6
2018-3024	8
2018-3025	10
2018-3026	12
2018-3029	16
2018-3031	22

Tech Sheet 30104



Wade couplings consistently produce cost effective, reliable, leak-tight joints.

They can be found in general use throughout the following industries: hydraulic, pneumatic, automotive, locomotive, LPG, oil and gas, power generation, air conditioning, heating and ventilation, and also for applications where there is a need for the added safety provided by an engineering fitting.

All Wade compression fittings are manufactured to BS 2051 Part 2 and from materials to all of the following standards:

**BAR Parts:** BS 2874 CZ121  
**Stampings:** BS 2872 CZ122  
**Castings:** BS 1400 LG2  
**Copper Rings:** BS 2871 Part 2 C106

Wade compression fittings are suitable for use with copper, brass, Bundy, nylon, polythene and PVC-coated copper tube.

The following fittings are only part of the Wade range; the full range consists of metric, 4-28mm, and imperial, 1/8"-1.1/4", with thread options in API/NPT, BSPT, BSPP and metric forms.

**NOTE:** For details of fittings not listed, please speak to our technical department.

## Male Stud Couplings



### BSPT

0130	OD	Thread
WADE-7060	1/8"	1/8"
WADE-7060/3	1/8"	1/4"
WADE-7061	3/16"	1/8"
WADE-7061/3	3/16"	1/4"
WADE-7063	1/4"	1/4"
WADE-7063/1	1/4"	1/8"
WADE-7063/8	1/4"	3/8"
WADE-7063/11	1/4"	1/2"
WADE-7065/1	5/16"	1/8"
WADE-7065	5/16"	1/4"
WADE-7065/8	5/16"	3/8"
WADE-7065/11	5/16"	1/2"
WADE-7068/1	3/8"	1/8"
WADE-7068/3	3/8"	1/4"
WADE-7068	3/8"	3/8"
WADE-7068/11	3/8"	1/2"
WADE-7071/3	1/2"	1/4"
WADE-7071/8	1/2"	3/8"
WADE-7071	1/2"	1/2"
WADE-7073/11	5/8"	1/2"
WADE-7074/11	3/4"	1/2"
WADE-7074	3/4"	3/4"

Tech Sheet 60260

### BSPP

0130	OD	Thread
WADE-1060	1/8"	1/8"
WADE-4060/3	1/8"	1/4"
WADE-1061	3/16"	1/8"
WADE-4061/8	3/16"	3/8"
WADE-4061/3	3/16"	1/4"
WADE-4063/1	1/4"	1/8"
WADE-1063	1/4"	1/4"
WADE-4063/8	1/4"	3/8"
WADE-4063/11	1/4"	1/2"
WADE-4065/1	5/16"	1/8"
WADE-1065	5/16"	1/4"
WADE-4065/8	5/16"	3/8"
WADE-4065/11	5/16"	1/2"
WADE-4068/3	3/8"	1/4"
WADE-1068	3/8"	3/8"
WADE-4068/11	3/8"	1/2"
WADE-4071/3	1/2"	1/4"
WADE-4071/8	1/2"	3/8"
WADE-1071	1/2"	1/2"
WADE-4071/14	1/2"	3/4"
WADE-4073/11	5/8"	1/2"
WADE-4074/11	3/4"	1/2"
WADE-1076	7/8"	3/4"

Tech Sheet 60258

### NPT, API (American Petroleum Institution)

0130	OD	Thread
WADE-4061/3API	3/16"	1/4"
WADE-4063/1API	1/4"	1/8"
WADE-1063/API	1/4"	1/4"
WADE-4063/8API	1/4"	3/8"
WADE-4063/11API	1/4"	1/2"
WADE-1065/API	5/16"	1/4"
WADE-4068/1API	3/8"	1/8"
WADE-4068/3-API	3/8"	1/4"
WADE-1068/API	3/8"	3/8"
WADE-4068/11API	3/8"	1/2"
WADE-4071/3API	1/2"	1/4"
WADE-4071-8API	1/2"	3/8"
WADE-1071-API	1/2"	1/2"

Tech Sheet 60259

You might also need **Copper Tubing**  
 see pages **184-185**





## Female Stud Couplings



### BSPP

0130	OD	Thread
WADE-1080	1/8"	1/8"
WADE-4080/3	1/8"	1/4"
WADE-1081	3/16"	1/8"
WADE-4081/3	3/16"	1/4"
WADE-4083/1	1/4"	1/8"
WADE-1083	1/4"	1/4"
WADE-4083/8	1/4"	3/8"
WADE-4085/1	5/16"	1/8"
WADE-1085	5/16"	1/4"
WADE-4085/8	5/16"	3/8"
WADE-4085/11	5/16"	1/2"
WADE-4088/3	3/8"	1/4"
WADE-1088	3/8"	3/8"
WADE-4088/11	3/8"	1/2"
WADE-4091/8	1/2"	3/8"
WADE-1091	1/2"	1/2"
WADE-1097	1"	1"

Tech Sheet 60264



### BSPT

0130	OD	Thread
WADE-7083/1	1/4"	1/8"
WADE-7083	1/4"	1/4"
WADE-7083/8	1/4"	3/8"
WADE-7083/11	1/4"	1/2"
WADE-7085	5/16"	1/4"
WADE-7085/8	5/16"	3/8"
WADE-7088/3	3/8"	1/4"
WADE-7088	3/8"	3/8"
WADE-7088/11	3/8"	1/2"
WADE-7091	1/2"	1/2"

Tech Sheet 60266



### NPT, API

#### (American Petroleum Institution)

0130	OD	Thread
WADE-1080/API	1/8"	1/8"
WADE-1081/API	3/16"	1/8"
WADE-4081/3API	3/16"	1/4"
WADE-4083/1API	1/4"	1/8"
WADE-1083/API	1/4"	1/4"
WADE-4083/11API	1/4"	1/2"
WADE-4088/3API	3/8"	1/4"
WADE-1088/API	3/8"	3/8"
WADE-4088/11API	3/8"	1/2"
WADE-1091/API	1/2"	1/2"

Tech Sheet 60263

## Equal Ended Couplings



### Tube x Tube

0130	OD
WADE-1040	1/8"
WADE-1041	3/16"
WADE-1043	1/4"
WADE-1045	5/16"
WADE-1048	3/8"
WADE-1051	1/2"
WADE-1053	5/8"
WADE-1054	3/4"

Tech Sheet 60261

## Equal Ended Bulkhead Couplings



### Tube x Tube

0130	OD	Bulkhead
WADE-1040/L4	1/8"	1/4"
WADE-1041/L6	3/16"	3/8"
WADE-1043/L3	1/4"	3/16"
WADE-1043/L6	1/4"	3/8"
WADE-1043/L10	1/4"	5/8"
WADE-1045/L3	5/16"	3/16"
WADE-1045/L6	5/16"	3/8"
WADE-1048/L6	3/8"	3/8"
WADE-1048/L12	3/8"	3/4"
WADE-1051/L8	1/2"	1/2"
WADE-1051/L12	1/2"	3/4"

Tech Sheet 60262

## Reducing Bulkhead Couplings



### Tube x Tube

0130	OD	OD	Bulkhead
WADE-4043/0/L6	1/4"	1/8"	3/8"
WADE-4045/3/L3	5/16"	1/4"	3/16"

Tech Sheet 60334

## Equal Elbows



### Tube x Tube

0130	OD
WADE-2000	1/8"
WADE-2001	3/16"
WADE-2003	1/4"
WADE-2005	5/16"
WADE-2008	3/8"
WADE-2011	1/2"

Tech Sheet 60265



## Test Point Union Fittings



## Tube x Tube

0130	OD
WADE-TP2043B	1/4"
WADE-TP2045B	5/16"
WADE-TP2048B	3/8"
WADE-TP2051B	1/2"

Tech Sheet 60297



## Elbows, Tube x Tube

0130	OD
WADE-TP2043E	1/4"
WADE-TP2045E	5/16"
WADE-TP2048E	3/8"
WADE-TP2051E	1/2"

Tech Sheet 60298



## Nipple

0130	OD
WADE-SK4157COMP	1/8"

Tech Sheet 60296

## Standpipe Adaptors



## BSPT

0130	OD	Thread
WADE-SA03/083	1/4"	1/8"

Tech Sheet 60295

## Nozzle Adaptors Rubber Hose



## Male, BSPP

0130	To Suit Hose ID	Thread
WADE-F100	3/8"	1/8"
WADE-F101	3/8"	1/4"
WADE-F105	3/8"	3/8"

Tech Sheet 60289



## Male, BSPT

0130	To Suit Hose ID	Thread
WADE-F700	3/8"	1/8"
WADE-F701	3/8"	1/4"
WADE-F705	3/8"	3/8"

Tech Sheet 60293



## Female, BSPT

0130	To Suit Hose ID	Thread
WADE-F102	3/8"	1/8"
WADE-F103	3/8"	1/4"
WADE-F104	3/8"	3/8"

Tech Sheet 60292



## Tube x Hose Tail

0130	To Suit Hose ID	OD
WADE-F101A	3/8"	1/4"
WADE-F101A/5/16	3/8"	5/16"
WADE-F105A	3/8"	3/8"

Tech Sheet 60290



## Tube x Hose Tail, Bulkhead

0130	To Suit Hose ID	OD
WADE-F101/L4	3/8"	1/4"
WADE-F101/L45/16	3/8"	5/16"

Tech Sheet 60291

## Compression Nut for PVC Covered Copper Tube



## Tube

0130	OD
WADE-PC1008	1/2"
WADE-PC1011	5/8"

Tech Sheet 60294

## Single Banjo Coupling



## BSPP

0130	OD	Thread
WADE-3503	1/4"	1/4"
WADE-6505/1	5/16"	1/8"
WADE-3505	5/16"	1/4"

Tech Sheet 60288

## Screwed Plugs



## NPT

0130	OD
WADE-587/3	3/8"
WADE-587/4	1/2"

Tech Sheet 60287



## Reducing Elbows



### Tube x Tube

0130	OD	OD
WADE-5005/3	5/16"	1/4"

## Standpipe Elbows



### Tube x Stem

0130	OD
WADE-2103	1/4"
WADE-2105	5/16"

Tech Sheet 60270

## Female Stud Elbows



### BSPP

0130	OD	Thread
WADE-1983	1/4"	1/4"
WADE-1985	5/16"	1/4"

Tech Sheet 60268

## Female Branch Tee



### BSPP

0130	OD	Thread
WADE-3083/B	1/4"	1/4"

Tech Sheet 60271

## Male Stud Elbows



### BSPT

0130	OD	Thread
WADE-8020	1/8"	1/8"
WADE-8021	3/16"	1/8"
WADE-8021/3	3/16"	1/4"
WADE-8023/1	1/4"	1/8"
WADE-8023	1/4"	1/4"
WADE-8023/8	1/4"	3/8"
WADE-8025/1	5/16"	1/8"
WADE-8025	5/16"	1/4"
WADE-8025/8	5/16"	3/8"
WADE-8028/1	3/8"	1/8"
WADE-8028/3	3/8"	1/4"
WADE-8028	3/8"	3/8"
WADE-8028/11	3/8"	1/2"
WADE-8031	1/2"	1/2"

Tech Sheet 60275



### BSPP

0130	OD	Thread
WADE-5023/1	1/4"	1/8"
WADE-2023	1/4"	1/4"
WADE-5023/8	1/4"	3/8"
WADE-2025	5/16"	1/4"
WADE-2028	3/8"	3/8"
WADE-2031	1/2"	1/2"

Tech Sheet 60272



## NPT, API (American Petroleum Institution)

0130	OD	Thread
WADE-5023/API	1/4"	1/8"
WADE-2023/API	1/4"	1/4"
WADE-2025/API	5/16"	1/4"
WADE-5028/3API	3/8"	1/4"
WADE-2028/API	3/8"	3/8"
WADE-2031/API	1/2"	1/2"

Tech Sheet 60273

## Tees, Male Stud Branch



### BSPT

0130	OD	Thread
WADE-9063/1B	1/4"	1/8"
WADE-9063/B	1/4"	1/4"
WADE-9068/3B	3/8"	1/4"
WADE-9068/B	3/8"	3/8"

Tech Sheet 60276

## Equal Ended Cross



### Tube x Tube

0130	OD
WADE-2085	5/16"

## Female Pressure Connectors



### BSPP

0130	OD	Thread
WADE-1083/A	1/4"	1/4"
WADE-4083/8A	1/4"	3/8"
WADE-4083/11A	1/4"	1/2"
WADE-1088/A	3/8"	3/8"
WADE-4088/11A	3/8"	1/2"

Tech Sheet 60267

## Equal Tees



### Tube x Tube

0130	OD
WADE-2040	1/8"
WADE-2041	3/16"
WADE-2043	1/4"
WADE-2045	5/16"
WADE-2048	3/8"
WADE-2051	1/2"
WADE-2054	3/4"

Tech Sheet 60269

## Tees, Male Stud Run



## BSPT

0130	OD	Thread
WADE-9061/E	3/16"	1/8"
Tech Sheet 60279		

## Plug Cocks



## Tube x Tube

0130	OD
WADE-3003	1/4"
WADE-3005	5/16"
Tech Sheet 60277	

## Foot Mount Needle Valves



## Tube x Tube

0130	OD
WADE-WVA4/B/16	1/4"
Tech Sheet 60283	



## Tube x Hose Tail

0130	OD	Thread
WADE-WVA4/B16F1	1/4"	3/8"
Tech Sheet 60284		

## Needle Valves



## Brass Spindle, Tube x Tube

0130	OD
WADE-WVA1/B/16	1/4"
WADE-WVA1/B/20	5/16"
Tech Sheet 60285	

## Panel Mount Needle Valves



## Brass Spindle, Tube x Tube

0130	OD
WADE-WVA2/B/16	1/4"
WADE-WVA2/B/20	5/16"
Tech Sheet 60286	



## Angled Brass Spindle, Tube x Tube

0130	OD
WADE-WVA3/B/16	1/4"
WADE-WVA3/B/20	5/16"
Tech Sheet 60282	

## Imperial to Metric Couplings



## Tube x Tube

0130	OD	OD mm
WADE-MC106/3	1/4"	6
WADE-MC110/8	3/8"	10
WADE-MC115/8	3/8"	15
Tech Sheet 60280		

## Compression Nuts



## Tube

0130	OD
WADE-WUN1000	1/8"
WADE-WUN1001	3/16"
WADE-WUN1003	1/4"
WADE-WUN1005	5/16"
WADE-WUN1008	3/8"
WADE-WUN1011	1/2"
Tech Sheet 60281	

## Reducing Couplings



## Tube x Tube

0130	OD	OD
WADE-4043/0	1/4"	1/8"
WADE-4043/1	1/4"	3/16"
WADE-4045/1	5/16"	3/16"
WADE-4045/3	5/16"	1/4"
WADE-4048/3	3/8"	1/4"
WADE-4048/5	3/8"	5/16"
WADE-4051/3	1/2"	1/4"
WADE-4051/5	1/2"	5/16"
WADE-4051/8	1/2"	3/8"
Tech Sheet 60278		

# BRASS COMPRESSION FITTINGS, IMPERIAL



Hose Tails, Adaptors & Compression



## Stem Nozzle Adaptors



### Tube

0130	OD
WADE-SP1006/3	1/4"
WADE-SP1008/5	5/16"

## Blanking Nuts



### Tube

0130	OD
WADE-1001/BL	1/8" & 3/16"
WADE-1003/BL	1/4" & 5/16"
WADE-1008/BL	3/8"
WADE-1011/BL	1/2"

Tech Sheet 60300

## Copper Compression Rings



### Tube

0130	OD
WADE-1020	1/8"
WADE-1021	3/16"
WADE-1023	1/4"
WADE-1026	5/16"
WADE-1028	3/8"
WADE-1031	1/2"
WADE-1033	5/8"
WADE-1034	3/4"
WADE-1036	7/8"
WADE-1037	1"

Tech Sheet 60301

## Ferrules



### Light Gauge

0130	OD	OD
WADE-N1023B/A	1/4"	0.19
WADE-N1025B/A	5/16"	0.242

Tech Sheet 60302

### Medium Gauge

0130	OD	OD
WADE-N1021B/C	3/16"	0.117
WADE-N1023B/C	1/4"	0.17
WADE-N1025B/C	5/16"	0.212
WADE-N1028B/C	3/8"	0.265
WADE-N1028B/D	3/8"	0.25
WADE-N1031B/C	1/2"	0.35

Tech Sheet 60302

### Heavy Gauge

0130	OD	OD
WADE-N1020B/B	1/8"	0.075
WADE-N1021B/B	3/16"	0.107
WADE-N1023B/B	1/4"	0.15

Tech Sheet 60302

## Brass Compression Rings



### Standard

0130	To Suit Hose OD
WADE-499/1	3/16"
WADE-499/3	1/4"
WADE-499/5	5/16"
WADE-499/8	3/8"
WADE-499/11	1/2"

Tech Sheet 60299



### Universal

0130	To Suit Hose OD
WADE-WUR1020	1/8"
WADE-WUR1021	3/16"
WADE-WUR1023	1/4"
WADE-WUR1026	5/16"
WADE-WUR1028	3/8"
WADE-WUR1031	1/2"

Tech Sheet 60303

Customers who bought from this page also purchased...



**Imperial Flexible Nylon Tubing**  
...see **Section 7**

## Male Stud Couplings



## BSPT

0130	OD mm	Thread
WADE-MC104/083	4	1/8"
WADE-MC104/163	4	1/4"
WADE-MC105/083	5	1/8"
WADE-MC105/163	5	1/4"
WADE-MC106/083	6	1/8"
WADE-MC106/163	6	1/4"
WADE-MC106/243	6	3/8"
WADE-MC108/083	8	1/8"
WADE-MC108/163	8	1/4"
WADE-MC108/243	8	3/8"
WADE-MC110/083	10	1/8"
WADE-MC110/163	10	1/4"
WADE-MC110/243	10	3/8"
WADE-MC110/323	10	1/2"
WADE-MC112/163	12	1/4"
WADE-MC112/243	12	3/8"
WADE-MC112/323	12	1/2"
WADE-MC115/243	15	3/8"
WADE-MC115/323	15	1/2"
WADE-MC116/243	16	3/8"
WADE-MC116/323	16	1/2"
WADE-MC120/483	20	3/4"
WADE-MC122/483	22	3/4"

Tech Sheet 60305



## BSPP

0130	OD mm	Thread
WADE-MC104/161	4	1/4"
WADE-MC106/081	6	1/8"
WADE-MC106/161	6	1/4"
WADE-MC106/241	6	3/8"
WADE-MC108/081	8	1/8"
WADE-MC108/161	8	1/4"
WADE-MC108/241	8	3/8"
WADE-MC110/161	10	1/4"
WADE-MC110/241	10	3/8"
WADE-MC110/321	10	1/2"
WADE-MC112/161	12	1/4"
WADE-MC112/241	12	3/8"
WADE-MC112/321	12	1/2"
WADE-MC115/241	15	3/8"
WADE-MC115/321	15	1/2"
WADE-MC116/321	16	1/2"
WADE-MC118/321	18	1/2"
WADE-MC118/481	18	3/4"
WADE-MC120/481	20	3/4"
WADE-MC122/481	22	3/4"
WADE-MC122/641	22	1"
WADE-MC125/481	25	3/4"
WADE-MC125/641	25	1"

Tech Sheet 60306



## NPT

0130	OD mm	Thread
WADE-MC106/085	6	1/8"
WADE-MC106/165	6	1/4"
WADE-MC106/245	6	3/8"
WADE-MC106/325	6	1/2"
WADE-MC108/165	8	1/4"
WADE-MC110/165	10	1/4"
WADE-MC110/245	10	3/8"
WADE-MC110/325	10	1/2"
WADE-MC112/165	12	1/4"

Tech Sheet 60307



## Metric Parallel

0130	OD mm	Thread
WADE-MC110/14M15	10	14 x 1.5

Tech Sheet 60309

## Female Stud Couplings



## BSPT

0130	OD mm	Thread
WADE-MC108/164	8	1/4"

Tech Sheet 60308



## BSPP

0130	OD mm	Thread
WADE-MC104/082	4	1/8"
WADE-MC104/162	4	1/4"
WADE-MC105/082	5	1/8"
WADE-MC106/082	6	1/8"
WADE-MC106/162	6	1/4"
WADE-MC108/082	8	1/8"
WADE-MC108/162	8	1/4"
WADE-MC108/242	8	3/8"
WADE-MC110/162	10	1/4"
WADE-MC110/242	10	3/8"
WADE-MC110/322	10	1/2"
WADE-MC112/242	12	3/8"
WADE-MC112/322	12	1/2"
WADE-MC115/242	15	3/8"
WADE-MC115/322	15	1/2"
WADE-MC122/482	22	3/4"

Tech Sheet 60304

## Female Pressure Gauge Connector



## BSPP

0130	OD mm	Thread
WADE-MGA104/162	4	1/4"
WADE-MGA106/162	6	1/4"
WADE-MGA106/322	6	1/2"

Tech Sheet 60310

# BRASS COMPRESSION FITTINGS, METRIC



## Equal Ended Couplings



### Tube x Tube

0130	OD mm
WADE-MC104	4
WADE-MC105	5
WADE-MC106	6
WADE-MC108	8
WADE-MC110	10
WADE-MC112	12
WADE-MC115	15
WADE-MC116	16
WADE-MC120	20

Tech Sheet 60312

## Reducing Couplings



### Tube x Tube

0130	OD mm	OD mm
WADE-MC106/104	6	4
WADE-MC108/106	8	6
WADE-MC110/106	10	6

Tech Sheet 60313

## Equal Ended Bulkhead Couplings



### Tube x Tube

0130	OD mm	Bulkhead
WADE-MB106/L10	6	10
WADE-MB108/L10	8	10
WADE-MB110/L10	10	10
WADE-MB112/L10	12	10
WADE-MB115/L10	15	10
WADE-MB122/L12	22	12

Tech Sheet 60311

## Equal Elbows



### Tube x Tube

0130	OD mm
WADE-ME106	6
WADE-ME108	8
WADE-ME110	10
WADE-ME112	12
WADE-ME115	15
WADE-ME116	16
WADE-ME122	22

Tech Sheet 60317

## Equal Tees



### Tube x Tube

0130	OD mm
WADE-MT104	4
WADE-MT106	6
WADE-MT108	8
WADE-MT110	10
WADE-MT112	12
WADE-MT115	15
WADE-MT116	16
WADE-MT122	22

Tech Sheet 60318

## Metric Test Points



### Straight

0130	OD mm
WADE-MTP1208B	8
WADE-MTP1210B	10
WADE-MTP1212B	12
WADE-MTP1215B	15

Tech Sheet 60319

## Test Point Elbows



### 90°

0130	OD mm
WADE-MTP1208E	8

## Male Stud Elbows



### BSPT

0130	OD mm	Thread
WADE-ME104/083	4	1/8"
WADE-ME106/083	6	1/8"
WADE-ME106/163	6	1/4"
WADE-ME108/083	8	1/8"
WADE-ME108/163	8	1/4"
WADE-ME108/243	8	3/8"
WADE-ME110/163	10	1/4"
WADE-ME110/243	10	3/8"
WADE-ME110/323	10	1/2"
WADE-ME112/163	12	1/4"
WADE-ME112/243	12	3/8"
WADE-ME112/323	12	1/2"
WADE-ME115/243	15	3/8"
WADE-ME115/323	15	1/2"
WADE-ME116/323	16	1/2"
WADE-ME122/483	22	3/4"
WADE-ME125/483	25	3/4"
WADE-ME125/643	25	1"

Tech Sheet 60314



### BSPP

0130	OD mm	Thread
WADE-ME106/081	6	1/8"
WADE-ME106/161	6	1/4"
WADE-ME108/081	8	1/8"
WADE-ME110/161	10	1/4"
WADE-ME110/241	10	3/8"

Tech Sheet 60315



### NPT

0130	OD mm	Thread
WADE-ME106/085	6	1/8"
WADE-ME106/165	6	1/4"
WADE-ME108/165	8	1/4"
WADE-ME110/165	10	1/4"

Tech Sheet 60316



## BRASS COMPRESSION FITTINGS, METRIC

# Wade

### Single Banjo Coupling with Steel Bolt



#### BSPP

0130	OD mm	Thread
WADE-MJ108/081	8	1/8"
WADE-MJ108/161	8	1/4"
WADE-MJ110/161	10	1/4"
WADE-MJ112/321	12	1/2"

Tech Sheet 60325

### Compression Nut for PVC Covered Copper Tube



#### Metric

0130	OD mm
WADE-MN406	6
WADE-MN408	8
WADE-MN410	10
WADE-MN412	12

### Blanking End



#### Imperial

0130	OD
WADE-1103	1/4"
WADE-1105	5/16"
WADE-1108	3/8"

Tech Sheet 60322

### Male Run Tee



#### BSPP

0130	OD mm	Thread
WADE-MT163/108	8	1/4"

Tech Sheet 60328

### Female Stud Elbow



#### BSPP

0130	OD mm	Thread
WADE-ME106/082	6	1/8"
WADE-ME106/162	6	1/4"
WADE-ME108/082	8	1/8"
WADE-ME108/162	8	1/4"
WADE-ME110/162	10	1/4"
WADE-ME112/322	12	1/2"
WADE-ME115/322	15	1/2"
WADE-ME116/322	16	1/2"

Tech Sheet 60324

### Blanking Plug



#### Metric

0130	OD mm
WADE-MCP06	6
WADE-MCP08	8
WADE-MCP10	10
WADE-MCP12	12

Tech Sheet 60323

#### Metric

0130	OD mm
WADE-MSE106	6
WADE-MSE108	8
WADE-MSE110	10
WADE-MSE112	12

Tech Sheet 60327

### Copper Compression Rings



#### Metric

0130	To Suit Tube OD mm
WADE-MR206	6
WADE-MR208	8
WADE-MR210	10
WADE-MR212	12
WADE-MR215	15

Tech Sheet 60326

# BRASS COMPRESSION FITTINGS, METRIC



## Compression Rings



### Metric, Type A

0130	To Suit Tube OD mm
WADE-MUR104	4
WADE-MUR105	5
WADE-MUR106	6
WADE-MUR108	8
WADE-MUR110	10
WADE-MUR112	12
WADE-MUR114	14
WADE-MUR115	15
WADE-MUR116	16
WADE-MUR118	18
WADE-MUR120	20
WADE-MUR122	22
WADE-MUR125	25

Tech Sheet 60331



### Metric, Type B

0130	To Suit Tube OD mm
WADE-MFR106/N	6
WADE-MFR108/N	8

Tech Sheet 60329

## Compression Nuts



### Tube

0130	OD mm
WADE-WMUN104	4
WADE-WMUN105	5
WADE-WMUN106	6
WADE-WMUN108	8
WADE-WMUN110	10
WADE-WMUN112	12

Tech Sheet 60332

## Ferrules



### Light Gauge

0130	OD mm	ID mm
WADE-MNF706	6	4.5
WADE-MNF708	8	6

Tech Sheet 60330



### Medium Gauge

0130	OD mm	ID mm
WADE-MNF806	6	4
WADE-MNF808	8	5.5
WADE-MNF810	10	7
WADE-MNF812	12	8.5
WADE-MNF816	16	12

Tech Sheet 60330

## Universal Brass Compression Rings



### Tube

0130	To Suit Tube OD mm
WADE-WMURM4	4
WADE-WMURM5	5
WADE-WMURM6	6
WADE-WMURM8	8
WADE-WMURM10	10
WADE-WMURM12	12

Tech Sheet 60333

Customers who bought from this page also purchased...



**KELM™ Metric Nylon Tubing**  
...see Section 7

# BRASS PLUMBING COMPRESSION FITTINGS, METRIC

## Couplings



### Straight

0242	OD mm
EPS-CFS-6	6
EPS-CFS-8	8
EPS-CFS-10	10
EPS-CFS-12	12
EPS-CFS-15	15
EPS-CFS-22	22
EPS-CFS-28	28
EPS-CFS-35	35
EPS-CFS-42	42
EPS-CFS-54	54



### Reducing Straight

0242	OD mm	OD mm
EPS-CFR-10-8	10	8
EPS-CFR-12-8	12	8
EPS-CFR-12-10	12	10
EPS-CFR-15-8	15	8
EPS-CFR-15-10	15	10
EPS-CFR-15-12	15	12
EPS-CFR-22-15	22	15
EPS-CFR-28-15	28	15
EPS-CFR-28-22	28	22



### BSPT Male x Metric Straight

0242	OD mm	Thread
EPS-CFM-6-14	6	1/4"
EPS-CFM-8-14	8	1/4"
EPS-CFM-8-12	8	1/2"
EPS-CFM-10-14	10	1/4"
EPS-CFM-10-38	10	3/8"
EPS-CFM-12-14	12	1/4"
EPS-CFM-12-38	12	3/8"
EPS-CFM-15-14	15	1/4"
EPS-CFM-15-38	15	3/8"

### BSPP Male x Metric Straight

0242	OD mm	Thread
EPS-CFM-8-38	8	3/8"
EPS-CFM-10-12	10	1/2"
EPS-CFM-15-12	15	1/2"
EPS-CFM-15-34	15	3/4"
EPS-CFM-22-12	22	1/2"
EPS-CFM-22-34	22	3/4"
EPS-CFM-22-1	22	1"
EPS-CFM-28-34	28	3/4"
EPS-CFM-28-1	28	1"
EPS-CFM-35-114	35	1.1/4"
EPS-CFM-42-112	42	1.1/2"
EPS-CFM-54-2	54	2"



### BSPP Female x Metric Straight

0242	OD mm	Thread
EPS-CFF-6-14	6	1/4"
EPS-CFF-8-14	8	1/4"
EPS-CFF-8-38	8	3/8"
EPS-CFF-10-14	10	1/4"
EPS-CFF-10-38	10	3/8"
EPS-CFF-10-12	10	1/2"
EPS-CFF-15-14	15	1/4"
EPS-CFF-15-38	15	3/8"
EPS-CFF-15-12	15	1/2"
EPS-CFF-15-34	15	3/4"
EPS-CFF-22-12	22	1/2"
EPS-CFF-22-34	22	3/4"
EPS-CFF-22-1	22	1"
EPS-CFF-28-34	28	3/4"
EPS-CFF-28-1	28	1"
EPS-CFF-35-114	35	1.1/4"
EPS-CFF-42-112	42	1.1/2"
EPS-CFF-54-2	54	2"

## Elbows



### BSPT Male x Metric

0242	OD mm	Thread
EPS-CFME-8-14	8	1/4"
EPS-CFME-8-38	8	3/8"
EPS-CFME-10-14	10	1/4"
EPS-CFME-10-38	10	3/8"
EPS-CFME-10-12	10	1/2"
EPS-CFME-15-14	15	1/4"
EPS-CFME-22-12	22	1/2"

### BSPP Male x Metric

0242	OD mm	Thread
EPS-CFME-15-12	15	1/2"
EPS-CFME-15-34	15	3/4"
EPS-CFME-22-34	22	3/4"
EPS-CFME-22-1	22	1"
EPS-CFME-28-1	28	1"
EPS-CFME-35-114	35	1.1/4"
EPS-CFME-42-112	42	1.1/2"
EPS-CFME-54-2	54	2"



### 90°

0242	OD mm
EPS-CFE-6	6
EPS-CFE-8	8
EPS-CFE-10	10
EPS-CFE-12	12
EPS-CFE-15	15
EPS-CFE-22	22
EPS-CFE-28	28
EPS-CFE-35	35
EPS-CFE-42	42
EPS-CFE-54	54



### Reducing 90°

0242	OD mm	OD mm
EPS-CFE-22-15	22	15



### BSPP Female x Metric

0242	OD mm	Thread
EPS-CFFE-8-14	8	1/4"
EPS-CFFE-10-14	10	1/4"
EPS-CFFE-10-38	10	3/8"
EPS-CFFE-10-12	10	1/2"
EPS-CFFE-15-14	15	1/4"
EPS-CFFE-15-12	15	1/2"
EPS-CFFE-15-34	15	3/4"
EPS-CFFE-22-12	22	1/2"
EPS-CFFE-22-34	22	3/4"
EPS-CFFE-22-1	22	1"
EPS-CFFE-28-1	28	1"
EPS-CFFE-35-114	35	1.1/4"
EPS-CFFE-42-112	42	1.1/2"
EPS-CFFE-54-2	54	2"



### Wall Plate, BSPP

0242	OD mm	Thread
EPS-CFWE-15-12	15	1/2"
EPS-CFWE-22-12	22	1/2"
EPS-CFWE-22-34	22	3/4"

# BRASS PLUMBING COMPRESSION FITTINGS, METRIC



## Tees



### Equal

0242	OD mm
EPS-CFET-6	6
EPS-CFET-8	8
EPS-CFET-10	10
EPS-CFET-12	12
EPS-CFET-15	15
EPS-CFET-22	22
EPS-CFET-28	28
EPS-CFET-35	35
EPS-CFET-42	42
EPS-CFET-54	54



### Reducing

0242	OD A mm	OD B mm	OD C mm
CFRT-15-15-22	15	15	22
CFRT-22-22-15	22	22	15
CFRT-22-15-15	22	15	15
CFRT-22-15-22	22	15	22
CFRT-22-22-28	22	22	28
CFRT-28-28-15	28	28	15
CFRT-28-28-22	28	28	22
CFRT-28-15-28	28	15	28
CFRT-28-22-22	28	22	22
CFRT-35-35-15	35	35	15
CFRT-35-35-22	35	35	22
CFRT-35-35-28	35	35	28
CFRT-42-42-35	42	42	35



### Reducing Female

0242	OD mm	Thread
CFFRT-15-15-12	15	1/2"
CFFRT-22-22-12	22	1/2"
CFFRT-22-22-34	22	3/4"

## Tank Connectors



### Tank Connectors & Washers

0242	OD mm
EPS-CFTC-15	15
EPS-CFTC-22	22
EPS-CFTC-28	28
EPS-CFTC-35	35
EPS-CFTC-42	42
EPS-CFTC-54	54

## Tap Connectors



### Straight, BSPP

0242	OD mm	Thread
EPS-CFSTC-15-12	15	1/2"
EPS-CFSTC-15-34	15	3/4"
EPS-CFSTC-22-34	22	3/4"



### 90°, BSPP

0242	OD mm	Thread
EPS-CFBTC-15-12	15	1/2"
EPS-CFBTC-22-34	22	1/2"

## Internal Reducing Sets



### 3 Piece

0242	Reducing From-To mm
EPS-CFR3-10-6	10-6
EPS-CFR3-10-8	10-8
EPS-CFR3-15-8	15-8
EPS-CFR3-15-10	15-10
EPS-CFR3-15-12	15-12
EPS-CFR3-22-15	22-15
EPS-CFR3-28-15	28-15
EPS-CFR3-28-22	28-22
EPS-CFR3-35-15	35-15
EPS-CFR3-35-22	35-22
EPS-CFR3-35-28	35-28
EPS-CFR3-42-15	42-15
EPS-CFR3-42-28	42-28
EPS-CFR3-42-35	42-35
EPS-CFR3-54-15	54-15
EPS-CFR3-54-28	54-28
EPS-CFR3-54-35	54-35
EPS-CFR3-54-42	54-42

## Olives



### Brass

0242	OD mm
EPS-CFBO-8	8
EPS-CFBO-10	10
EPS-CFBO-12	12
EPS-CFBO-15	15
EPS-CFBO-20	20
EPS-CFBO-22	22
EPS-CFBO-25	25
EPS-CFBO-28	28
EPS-CFBO-35	35
EPS-CFBO-42	42
EPS-CFBO-54	54
EPS-CFBO-3/4	3/4"

### Copper

0242	OD mm
EPS-CFCO-8	8
EPS-CFCO-10	10
EPS-CFCO-12	12
EPS-CFCO-15	15
EPS-CFCO-20	20
EPS-CFCO-22	22
EPS-CFCO-25	25
EPS-CFCO-28	28
EPS-CFCO-35	35
EPS-CFCO-42	42
EPS-CFCO-54	54
EPS-CFCO-3/4	3/4"

## Compression Nuts



0242	OD mm
EPS-CFN-8	8
EPS-CFN-10	10
EPS-CFN-15	15
EPS-CFN-22	22
EPS-CFN-28	28

## Stop Ends



0242	OD mm
EPS-CFSE-8	8
EPS-CFSE-10	10
EPS-CFSE-12	12
EPS-CFSE-15	15
EPS-CFSE-22	22
EPS-CFSE-28	28
EPS-CFSE-35	35
EPS-CFSE-42	42
EPS-CFSE-54	54

# COPPER TUBING

## Copper Tubing - Annealed to BS EN12449/C106 (Soft)



### Metric, 10 Metre Lengths

5070	OD mm	ID mm	Max Pressure PSI	Max Pressure Bar
<b>MCT-4</b>	4	2.8	1,993	137
<b>MCT-5</b>	5	3.4	2,124	146
<b>MCT-6</b>	6	4.4	1,760	121
<b>MCT-8</b>	8	6.4	1,324	91
<b>MCT-10</b>	10	8.4	1,047	72
<b>MCT-12</b>	12	10.4	1,000	69

Tech Sheet 820

### Metric, 30 Metre Lengths

5070	OD mm	ID mm	Max Pressure PSI	Max Pressure Bar
<b>MCT-4/30</b>	4	2.8	1,993	137
<b>MCT-6/30</b>	6	4.4	1,760	121
<b>MCT-6-4/30</b>	6	4	2,669	184
<b>MCT-8/30</b>	8	6.4	1,324	91
<b>MCT-10/30</b>	10	8.4	1,047	72
<b>MCT-12/30</b>	12	10.4	1,000	69
<b>MCT-15/30</b>	15	13	1,091	75

Tech Sheet 820

### Imperial, 10 Metre Lengths

5070	OD	ID	SWG	Max Pressure PSI	Max Pressure Bar
<b>ICT-18</b>	1/8"	0.069"	22	3,026	209
<b>ICT-316</b>	3/16"	0.131"	22	1,978	136
<b>ICT-14</b>	1/4"	0.194"	22	1,484	102
<b>ICT-516</b>	5/16"	0.256"	22	1,178	81
<b>ICT-38</b>	3/8"	0.319"	22	974	67
<b>ICT-12</b>	1/2"	0.428"	20	945	65
<b>ICT-58</b>	5/8"	0.553"	20	742	51
<b>ICT-34</b>	3/4"	0.678"	20	625	43

Tech Sheet 820

### Imperial, 30 Metre Lengths

5070	OD	ID	SWG	Max Pressure PSI	Max Pressure Bar
<b>ICT-18/30</b>	1/8"	0.069"	22	3,026	209
<b>ICT-316/30</b>	3/16"	0.131"	22	1,978	136
<b>ICT-14/30</b>	1/4"	0.194"	22	1,484	102
<b>ICT-14/30-20SWG</b>	1/4"	0.178"	20	2,244	155
<b>ICT-516/30</b>	5/16"	0.256"	22	1,178	81
<b>ICT-38/30</b>	3/8"	0.319"	22	974	67
<b>ICT-38/30-18SWG</b>	3/8"	0.279"	18	1,958	135
<b>ICT-12/30</b>	1/2"	0.428"	20	945	65
<b>ICT-12/30-18SWG</b>	1/2"	0.404"	18	1,417	98
<b>ICT-58/30</b>	5/8"	0.553"	18	742	51

Tech Sheet 820

## Plumbing Copper Tube

Please note: Due to the nature of this product we can only supply it in bundles of 10 lengths.



### Type: BS EN1057 R250, 3 Metre Lengths

5070	OD mm	ID mm	Max Pressure PSI	Max Pressure Bar
<b>PCU15</b>	15	13.6	843	59
<b>PCU22</b>	22	20.2	752	51
<b>PCU28</b>	28	26.2	582	40
<b>PCU35</b>	35	32.6	618	43
<b>PCU42</b>	42	39.6	512	35
<b>PCU54</b>	54	51.6	396	27
<b>PCU67</b>	67	64.6	317	22

## Copper Tubing - Half Hard to EN12449



### Metric, 3 Metre Lengths

5070	OD mm	ID mm	Max Pressure PSI	Max Pressure Bar
<b>MTS-4</b>	4	2.8	2,604	180
<b>MTS-6</b>	6	4	2,885	199
<b>MTS-8</b>	8	6	2,167	149
<b>MTS-10</b>	10	8	1,731	119
<b>MTS-12</b>	12	10	1,440	99
<b>MTS-15</b>	15	13	1,149	79
<b>MTS-16</b>	16	13.6	1,280	88
<b>MTS-18</b>	18	15.6	1,193	82
<b>MTS-22</b>	22	20	931	64
<b>MTS-28</b>	28	25	902	62

### Imperial, 3 Metre Lengths

5070	OD	ID	SWG	Max Pressure PSI	Max Pressure Bar
<b>ITS-18</b>	1/8"	0.069"	22	3,928	271
<b>ITS-316</b>	3/16"	0.131"	22	2,589	179
<b>ITS-14</b>	1/4"	0.178"	20	2,488	172
<b>ITS-516</b>	5/16"	0.241"	20	1,978	136
<b>ITS-38</b>	3/8"	0.303"	20	1,644	113
<b>ITS-12</b>	1/2"	0.428"	20	1,236	85
<b>ITS-12-18SWG</b>	1/2"	0.404"	18	1,848	127
<b>ITS-12-16SWG</b>	1/2"	0.372"	16	2,556	176
<b>ITS-12-10SWG</b>	1/2"	0.244"	10	5,988	413
<b>ITS-58</b>	5/8"	0.529"	18	974	67
<b>ITS-34-18SWG</b>	3/4"	0.654"	18	1,190	82
<b>ITS-34</b>	3/4"	0.622"	16	1,484	102
<b>ITS-78-16SWG</b>	7/8"	0.747"	16	1,374	95
<b>ITS-1-18SWG</b>	1"	0.904"	18	877	60
<b>ITS-1-16SWG</b>	1"	0.872"	16	1,190	82
<b>ITS-118-18SWG</b>	1.1/8"	1.029"	18	776	54
<b>ITS-118-16SWG</b>	1.1/8"	0.997"	16	1,050	72

Please note: Delivery may take up to 48 hours.

# COPPER & BUNDY TUBING

## Bundy Tube



### Metric, 3.2 Metre Lengths

5070	OD mm	Wall Thickness	Burst Pressure PSI
<b>BTM06</b>	6	0.075"	13500
<b>BTM08</b>	8	0.075"	10875
<b>BTM10</b>	10	0.075"	7500

### Imperial, 3.2 Metre Lengths

5070	OD	Wall Thickness	Burst Pressure PSI
<b>BTI03</b>	3/16"	0.028"	16500
<b>BTI04</b>	1/4"	0.028"	12000
<b>BTI05</b>	5/16"	0.028"	10875
<b>BTI06</b>	3/8"	0.028"	8200
<b>BTI08</b>	1/2"	0.028"	5000

## PVC Covered Copper Tube

Annealed, soft copper tube to BS2871/2/C106 with a black PVC outer cover.  
**Please note:** OD measurement is for copper tube, excluding cover.



### Metric, 30 Metre Coils

5070	OD mm	ID mm	Max Pressure PSI	Max Pressure Bar
<b>MSCT-6</b>	6	4	2,053	142
<b>MSCT-8</b>	8	6	1,906	131
<b>MSCT-10</b>	10	8	1,483	102
<b>MSCT-12</b>	12	10	1,091	75

Annealed, soft copper tube to BS2871/2/C106 with a 1/16" black PVC outer cover.

### Imperial, 30 Metre Coils

5070	OD	ID	SWG	Max Pressure PSI	Max Pressure Bar
<b>ISCT-14</b>	1/4"	0.194"	22	1,682	116
<b>ISCT-38-22SWG</b>	3/8"	0.319"	22	1,076	74
<b>ISCT-38</b>	3/8"	0.303"	20	1,416	98
<b>ISCT-12</b>	1/2"	0.444"	20	945	65





# POLYPROPYLENE HOSE ADAPTORS

° Maximum Working Temperature:  
-80°C

Maximum Working Pressure:  
8 bar

## Threaded Studs

### Male BSPP x Barb OD



0679	OD mm	Thread
28PHA01	6	1/4"
28PHA03	12	1/4"
28PHA04	10	3/8"
28PHA05	12	3/8"
28PHA06	16	3/8"
28PHA08	13	1/2"
28PHA09	16	1/2"
28PHA10	20	1/2"
28PHA11	10	3/4"
28PHA12	13	3/4"
28PHA13	16	3/4"
28PHA14	20	3/4"
28PHA15	25	3/4"
28PHA16	20	1"
28PHA17	25	1"
28PHA18	32	1"
28PHA18A	20	1.1/4"
28PHA19	25	1.1/4"
28PHA20	32	1.1/4"
28PHA21	40	1.1/4"
28PHA22	38	1.1/2"
28PHA22A	40	1.1/2"
28PHA23	50	1.1/2"
28PHA24	50	2"

Tech Sheet 68762

### Fixed Female BSPP x Barb OD



0679	OD mm	Thread
28PHA48	10	3/4"
28PHA49	13	3/4"
28PHA50	16	3/4"
28PHA51	20	3/4"

Tech Sheet 68762

### Female BSPP, Nut Liner & Seal x Barb OD



0679	OD mm	Thread
28PHA38	10	3/8"
28PHA39	13	1/2"
28PHA40	10	3/4"
28PHA40A	13	3/4"
28PHA40B	16	3/4"
28PHA40C	20	3/4"
28PHA41A	20	1"
28PHA41B	25	1"
28PHA42	20	1.1/4"
28PHA42A	25	1.1/4"
28PHA42B	32	1.1/4"
28PHA43	40	1.1/2"
28PHA43A	38	1.1/2"
28PHA44	50	2"

Tech Sheet 68762

### Stepped Male BSPP x Barb OD



0679	OD mm	Thread
28PHA25B1	10/13/20	1/2"
28PHA25C	13/20/25	3/4"
28PHA25D	20/25/32	1"
28PHA25E	25/32/38	1.1/4"
28PHA25F	13/20/25/32/38	1.1/2"

Tech Sheet 68762

### 90° Male BSPP Elbow x Barb OD



0679	OD mm	Thread
29PHA26	12	3/8"
29PHA27	13	1/2"
29PHA28	16	1/2"
29PHA29	20	1/2"
29PHA30	12	3/4"
29PHA31	20	3/4"
29PHA32A	25	3/4"
29PHA32B	20	1"
29PHA33	25	1"
29PHA34	32	1"
29PHA35	32	1.1/4"
29PHA36	40	1.1/2"
29PHA37	51	2"

Tech Sheet 68762

### Male BSPP Y Piece, Twin Barb OD



0679	OD mm	Thread
28PHA52	10	3/4"
28PHA53	13	3/4"
28PHA53B	20	3/4"
28PHA53C	25	1"

Tech Sheet 68762

### Male BSPP Y Piece, Triple Barb OD



0679	OD mm	Thread
28PHA54	10	3/4"
28PHA55	13	3/4"

Tech Sheet 68762

### 90° Female BSPP Elbow, Nut Liner & Seal x Barb OD



0679	OD mm	Thread
28PHA45A	12	1/2"
28PHA45B	12	3/4"
28PHA45C	16	3/4"
28PHA46	20	3/4"
28PHA47A	25	1"
28PHA47BC	25	1.1/4"
28PHA47B	32	1.1/4"
28PHA47C	40	1.1/2"
28PHA47D	50	2"

Tech Sheet 68762

## OD Barb x OD Barb Adaptors



### Equal Hose Menders

0679	OD mm
28PHM01A	6
28PHM03	13
28PHM04B	16
28PHM05	20
28PHM06	25
28PHM07	32
28PHM08	40
28PHM09A	50

Tech Sheet 68762

### Unequal Hose Menders



0679	OD A mm	OD B mm
28PHMR04B	13	20
28PHMR04C	13	26
28PHMR05	20	25
28PHMR07A	20	32
28PHMR06	26	32
28PHMR09	25	38
28PHMR08	32	38
28PHMR10	38.5	50

Tech Sheet 68762

### 90° Equal Elbow Hose Menders



0679	OD mm
28PHLA01	6
28PHLA02	10
28PHLB03	13
28PHLB05	20
28PHLB06	25
28PHLB07	32
28PHLB08	40
28PHLB09A	50

Tech Sheet 68762

# POLYPROPYLENE THREADED FITTINGS



## Reducing Bush



### Male x Female, BSPP

1050	Male Thread	Female Thread
PRB34-12	3/4"	1/2"
PRB1-12	1"	1/2"
PRB1-34	1"	3/4"
PRB114-12	1.1/4"	1/2"
PRB114-34	1.1/4"	3/4"
PRB114-1	1.1/4"	1"
PRB112-34	1.1/2"	3/4"
PRB112-1	1.1/2"	1"
PRB112-114	1.1/2"	1.1/4"
PRB2-34	2"	3/4"
PRB2-1	2"	1"
PRB2-114	2"	1.1/4"
PRB2-112	2"	1.1/2"
PRB212-2	2.1/2"	2"
PRB3-2	3"	2"
PRB3-212	3"	2.1/2"

Tech Sheet 10640

## Male x Female Reducer



### Male x Female, BSPP

1050	Male Thread	Female Thread
PRE12-38	1/2"	3/8"
PRE34-12	3/4"	1/2"
PRE1-12	1"	1/2"
PRE1-34	1"	3/4"
PRE114-1	1.1/4"	1"
PRE112-114	1.1/2"	1.1/4"
PRE2-112	2"	1.1/2"

Tech Sheet 10640

## Reducing Nipple



### Male, BSPP

1050	Thread	Thread
PRN34-12	3/4"	1/2"
PRN1-34	1"	3/4"
PRN114-1	1.1/4"	1"
PRN112-114	1.1/2"	1.1/4"
PRN2-112	2"	1.1/2"
PRN212-2	2.1/2"	2"

Tech Sheet 10640

## Nipple



### Male, BSPP

1050	Thread
PEN12-12	1/2"
PEN34-34	3/4"
PEN1-1	1"
PEN114-114	1.1/4"
PEN112-112	1.1/2"
PEN2-2	2"
PEN3-3	3"

Tech Sheet 10640

## Plug



### Male, BSPP

1050	Thread
PTP12	1/2"
PTP34	3/4"
PTP1	1"
PTP114	1.1/4"
PTP112	1.1/2"
PTP2	2"
PTP212	2.1/2"
PTP3	3"

Tech Sheet 10640

## Reducing Socket



### Female, BSPP

1050	Thread	Thread
PRS34-12	3/4"	1/2"
PRS1-34	1"	3/4"
PRS114-1	1.1/4"	1"
PRS112-114	1.1/2"	1.1/4"
PRS2-112	2"	1.1/2"

Tech Sheet 10640

## Socket



### Female, BSPP

1050	Thread
PES12-12	1/2"
PES34-34	3/4"
PES1-1	1"
PES114-114	1.1/4"
PES112-112	1.1/2"
PES2-2	2"
PES212-212	2.1/2"
PES3-3	3"

Tech Sheet 10640

## Cap



### Female, BSPP

1050	Thread
PTC12	1/2"
PTC34	3/4"
PTC1	1"
PTC114	1.1/4"
PTC112	1.1/2"
PTC2	2"

Tech Sheet 10640

## Female Swivel Nut x Hose Tail



### BSPT

0497	To Suit Hose ID	To Suit Hose ID mm	Thread
PN14-4-18	1/8"	4	1/8"
PN14-5-18	3/16"	5	1/8"
PN14-4-14	1/8"	4	1/4"
PN14-5-14	3/16"	5	1/4"
PN14-6-14	1/4"	6	1/4"
PN14-8-14	5/16"	8	1/4"
PN14-5-38	3/16"	5	3/8"
PN14-6-38	1/4"	6	3/8"
PN14-8-38	5/16"	8	3/8"
PN14-10-38	3/8"	10	3/8"
PN14-6-12	1/4"	6	1/2"
PN14-8-12	5/16"	8	1/2"
PN14-10-12	3/8"	10	1/2"
PN14-12-12	1/2"	12	1/2"
PN14-14-12	-	14	1/2"
PN14-10-34	3/8"	10	3/4"
PN14-12-34	1/2"	12	3/4"
PN14-14-34	-	14	3/4"
PN14-16-34	5/8"	16	3/4"
PN14-19-34	3/4"	19	3/4"

## Female x Hose Tail



### BSPT

0497	To Suit Hose ID	To Suit Hose ID mm	Thread
PN25-5-18	3/16"	5	1/8"
PN25-6-18	1/4"	6	1/8"
PN25-8-12	5/16"	8	1/2"
PN25-10-12	3/8"	10	1/2"
PN25-12-12	1/2"	12	1/2"
PN25-14-12	-	14	1/2"
PN25-19-12	3/4"	19	1/2"

## Male x Hose Tail



### BSPT

0497	To Suit Hose ID	To Suit Hose ID mm	Thread
PN15-4-18	1/8"	4	1/8"
PN15-4-14	1/8"	4	1/4"
PN15-5-18	3/16"	5	1/8"
PN15-5-14	3/16"	5	1/4"
PN15-6-18	1/4"	6	1/8"
PN15-6-14	1/4"	6	1/4"
PN15-6-38	1/4"	6	3/8"
PN15-6-12	1/4"	6	1/2"
PN15-6-34	1/4"	6	3/4"
PN15-8-18	5/16"	8	1/8"
PN15-8-14	5/16"	8	1/4"
PN15-8-38	5/16"	8	3/8"
PN15-8-12	5/16"	8	1/2"
PN15-10-14	3/8"	10	1/4"
PN15-10-38	3/8"	10	3/8"
PN15-10-12	3/8"	10	1/2"
PN15-10-34	3/8"	10	3/4"
PN15-12-14	1/2"	12	1/4"
PN15-12-38	1/2"	12	3/8"
PN15-12-12	1/2"	12	1/2"
PN15-12-34	1/2"	12	3/4"
PN15-14-38	-	14	3/8"
PN15-14-12	-	14	1/2"
PN15-14-34	-	14	3/4"
PN15-16-12	5/8"	16	1/2"
PN15-16-34	5/8"	16	3/4"
PN15-19-12	3/4"	19	1/2"
PN15-19-34	3/4"	19	3/4"
PN15-19-1	3/4"	19	1"
PN15-25-34	1"	25	3/4"

## Hose Repairer



### Tube x Tube

0497	To Suit Hose ID	To Suit, Hose ID mm
PN20-4	1/8"	4
PN20-5	3/16"	5
PN20-6	1/4"	6
PN20-8	5/16"	8
PN20-10	3/8"	10
PN20-12	1/2"	12
PN20-14	-	14
PN20-16	5/8"	16
PN20-19	3/4"	19

## Reducing Hose Repairer



### Tube x Tube

0497	To Suit Hose ID	To Suit Hose ID mm	To Suit Hose ID	To Suit Hose ID mm
PN19-5-4	3/16"	5	1/8"	4
PN19-6-4	1/4"	6	1/8"	4
PN19-6-5	1/4"	6	3/16"	5
PN19-8-5	5/16"	8	3/16"	5
PN19-8-6	5/16"	8	1/4"	6
PN19-10-6	3/8"	10	1/4"	6
PN19-10-8	3/8"	10	5/16"	8
PN19-12-8	1/2"	12	5/16"	8
PN19-12-10	1/2"	12	3/8"	10
PN19-14-10	3/8"	10	3/8"	10
PN19-14-12	-	14	1/2"	12
PN19-16-12	5/8"	16	1/2"	12
PN19-16-14	5/8"	16	-	14
PN19-19-14	3/4"	19	-	14
PN19-19-16	3/4"	19	5/8"	16

## Blanking Plug



### BSPT

0497	Thread
PN12-18	1/8"
PN12-14	1/4"
PN12-38	3/8"
PN12-12	1/2"
PN12-34	3/4"

## Blanking Cap



### BSPT

0497	Thread
PN13-18	1/8"
PN13-14	1/4"
PN13-38	3/8"
PN13-12	1/2"
PN13-34	3/4"

# NYLON HOSE TAILS



Hose Tails, Adaptors  
& Compression



## Male Elbow Hose Connector



### BSPT

0497	To Suit Hose ID	To Suit Hose ID mm	Thread
PN16-4-18	1/8"	4	1/8"
PN16-4-14	1/8"	4	1/4"
PN16-5-18	3/16"	5	1/8"
PN16-5-14	3/16"	5	1/4"
PN16-5-12	3/16"	5	1/2"
PN16-6-18	1/4"	6	1/8"
PN16-6-14	1/4"	6	1/4"
PN16-6-38	1/4"	6	3/8"
PN16-6-12	1/4"	6	1/2"
PN16-8-18	5/16"	8	1/8"
PN16-8-14	5/16"	8	1/4"
PN16-8-38	5/16"	8	3/8"
PN16-8-12	5/16"	8	1/2"
PN16-10-14	3/8"	10	1/4"
PN16-10-38	3/8"	10	3/8"
PN16-10-12	3/8"	10	1/2"
PN16-10-34	3/8"	10	3/4"
PN16-12-14	1/2"	12	1/4"
PN16-12-38	1/2"	12	3/8"
PN16-12-12	1/2"	12	1/2"
PN16-12-34	1/2"	12	3/4"
PN16-14-38	14mm	14	3/8"
PN16-14-12	14mm	14	1/2"
PN16-14-34	14mm	14	3/4"
PN16-16-12	5/8"	16	1/2"
PN16-16-34	5/8"	16	3/4"
PN16-19-12	3/4"	19	1/2"
PN16-19-34	3/4"	19	3/4"

## Elbow Hose Connector



### Tube x Tube

0497	To Suit Hose ID	To Suit Hose ID mm
PN18-4	1/8"	4
PN18-5	3/16"	5
PN18-6	1/4"	6
PN18-8	5/16"	8
PN18-10	3/8"	10
PN18-12	1/2"	12
PN18-14	14mm	14
PN18-16	5/8"	16
PN18-19	3/4"	19

## Male Branch Tee Hose Connector



### BSPT

0497	To Suit Hose ID	To Suit Hose ID mm	Thread
PN22-4-18	1/8"	4	1/8"
PN22-4-14	1/8"	4	1/4"
PN22-5-18	3/16"	5	1/8"
PN22-5-14	3/16"	5	1/4"
PN22-6-18	1/4"	6	1/8"
PN22-6-14	1/4"	6	1/4"
PN22-6-38	1/4"	6	3/8"
PN22-6-12	1/4"	6	1/2"
PN22-8-18	5/16"	8	1/8"
PN22-8-14	5/16"	8	1/4"
PN22-8-38	5/16"	8	3/8"
PN22-10-14	3/8"	10	1/4"
PN22-10-38	3/8"	10	3/8"
PN22-10-12	3/8"	10	1/2"
PN22-12-14	1/2"	12	1/4"
PN22-12-38	1/2"	12	3/8"
PN22-12-12	1/2"	12	1/2"
PN22-12-34	1/2"	12	3/4"
PN22-14-38	-	14	3/8"
PN22-16-12	5/8"	16	1/2"
PN22-16-34	5/8"	16	3/4"
PN22-19-12	3/4"	19	1/2"
PN22-19-34	3/4"	19	3/4"

## Reducing Elbow Hose Connector



### Tube x Tube

0497	To Suit Hose ID	To Suit Hose ID	To Suit Hose ID mm
PN17-5-4	3/16"	1/8"	4
PN17-6-5	1/4"	3/16"	5
PN17-8-6	5/16"	1/4"	6
PN17-10-6	3/8"	1/4"	6
PN17-10-8	3/8"	5/16"	8
PN17-12-10	1/2"	3/8"	10
PN17-16-14	5/8"	14mm	14
PN17-19-16	3/4"	5/8"	16

## Tee Hose Connector



### Tube x Tube

0497	To Suit Hose ID	To Suit Hose ID mm
PN23-4	1/8"	4
PN23-5	3/16"	5
PN23-6	1/4"	6
PN23-8	5/16"	8
PN23-10	3/8"	10
PN23-12	1/2"	12
PN23-14	14mm	14
PN23-16	5/8"	16
PN23-19	3/4"	19

## Reducing Tee Hose Connector



### Tube x Tube

0497	To Suit Hose ID	To Suit Hose ID	To Suit Hose ID mm
PN24-5-4	3/16"	1/8"	4
PN24-6-5	1/4"	3/16"	5
PN24-8-6	5/16"	1/4"	6
PN24-10-8	3/8"	5/16"	8
PN24-12-10	1/2"	3/8"	10
PN24-16-14	5/8"	14mm	14
PN24-19-16	3/4"	5/8"	16

## Hose Connector



### Tube x Tube

0497	To Suit Hose ID	To Suit Hose ID mm
PN21-4	1/8"	4
PN21-6	1/4"	6
PN21-8	5/16"	8
PN21-10	3/8"	10

# NYLON ADAPTORS

° Maximum Working Temperature:  
+100°C

Maximum Working Pressure:  
14 bar at 20°C

## Unequal Nipple



### BSPT

0497	Thread	Thread
PN1-14-18	1/4"	1/8"
PN1-38-14	3/8"	1/4"
PN1-12-14	1/2"	1/4"
PN1-12-38	1/2"	3/8"

## Equal Nipple



### BSPT

0497	Thread
PN2-18	1/8"
PN2-14	1/4"
PN2-38	3/8"
PN2-12	1/2"

## Reducing Socket



### BSPT

0497	Thread A	Thread B
PN6-14-18	1/8"	1/4"
PN6-38-18	1/8"	3/8"
PN6-38-14	1/4"	3/8"
PN6-12-14	1/4"	1/2"
PN6-34-14	1/4"	3/4"
PN6-12-38	3/8"	1/2"

## Female Socket



### BSPT

0497	Thread
PN5-18	1/8"
PN5-14	1/4"
PN5-38	3/8"
PN5-12	1/2"

## Bush



### BSPT

0497	Male Thread	Female Thread
PN3-18-18	1/8"	1/8"
PN3-18-14	1/4"	1/8"
PN3-18-38	3/8"	1/8"
PN3-18-12	1/2"	1/8"
PN3-14-18	1/8"	1/4"
PN3-14-14	1/4"	1/4"
PN3-14-38	3/8"	1/4"
PN3-38-18	1/8"	3/8"
PN3-38-14	1/4"	3/8"
PN3-38-38	3/8"	3/8"
PN3-38-12	1/2"	3/8"
PN3-12-14	1/4"	1/2"
PN3-12-38	3/8"	1/2"
PN3-12-12	1/2"	1/2"

## Reducing Bush



### BSPT

0497	Male Thread	Female Thread
PN4-14-18	1/4"	1/8"
PN4-38-18	3/8"	1/8"
PN4-38-14	3/8"	1/4"
PN4-12-14	1/2"	1/4"
PN4-12-38	1/2"	3/8"
PN4-34-14	3/4"	1/4"
PN4-34-38	3/4"	3/8"
PN4-34-12	3/4"	1/2"

## Equal Elbow



### BSPT

0497	Thread
PN10-18	1/8"
PN10-14	1/4"
PN10-38	3/8"
PN10-12	1/2"

## Reducing Elbow



### BSPT

0497	Thread	Thread
PN11-14-18	1/4"	1/8"
PN11-38-14	3/8"	1/4"

## Equal Tee



### BSPT

0497	Thread
PN7-14	1/4"
PN7-38	3/8"
PN7-12	1/2"



# POLYPROPYLENE QUICK-FIT FITTINGS

## 3 Way Valve

EPDM O-rings

Working Temperature:  
-5°C to +60°C

Maximum Working  
Pressure:  
10 bar



### 1/4" BSPT Inlet

0497	Outlet
3WAY-18	1/8" BSPT
3WAY-14	1/4" BSPT
3WAY-8MM	8mm Barb

Tech Sheet 10488

## Female Connector



### BSPT

0497	ID mm	OD mm	Thread
PP2-6-18	4	6	1/8"
PP2-6-14	4	6	1/4"
PP2-8-14	6	8	1/4"

## Male Run Tee



### BSPT

0497	ID mm	OD mm	Thread
PP8-6-14	4	6	1/4"
PP8-12-14	10	12	1/4"
PP8-12-12	10	12	1/2"

## Male Branch Tee



### BSPT

0497	ID mm	OD mm	Thread
PP7-6-14	4	6	1/4"
PP7-8-14	6	8	1/4"
PP7-12-14	10	12	1/4"
PP7-12-38	10	12	3/8"
PP7-12-12	10	12	1/2"

## Equal Tee



### Tube x Tube

0497	ID mm	OD mm
PP9-6	4	6
PP9-8	6	8
PP9-12	10	12

## Reducing Connector



### Tube x Tube

0497	ID A mm	OD A mm	ID B mm	OD B mm
PP4-8-6	6	8	4	6

## Equal Connector



### Tube x Tube

0497	ID mm	OD mm
PP3-6	4	6
PP3-8	6	8
PP3-12	10	12

## Equal Elbow



### Tube x Tube

0497	ID mm	OD mm
PP5-6	4	6
PP5-8	6	8
PP5-12	10	12

## Male Elbow



### BSPT

0497	ID mm	OD mm	Thread
PP6-6-18	4	6	1/8"
PP6-6-14	4	6	1/4"
PP6-8-18	6	8	1/8"
PP6-8-14	6	8	1/4"
PP6-8-38	6	8	3/8"
PP6-12-14	10	12	1/4"
PP6-12-38	10	12	3/8"
PP6-12-12	10	12	1/2"

## 1 Body Type Banjo Bolt



### Type PP13, BSPP

0497	Thread
PP13-14	1/4"

## Double Banjo Body



### BSPP

0497	ID mm	OD mm
PP10-6-6-18	4	6
PP10-8-8-18	6	8

## Male Connector



### BSPT

0497	ID mm	OD mm	Thread
PP1-6-18	4	6	1/8"
PP1-6-14	4	6	1/4"
PP1-8-18	6	8	1/8"
PP1-8-14	6	8	1/4"
PP1-12-14	10	12	1/4"
PP1-12-38	10	12	3/8"
PP1-12-12	10	12	1/2"



## MixRite 3.5 Series

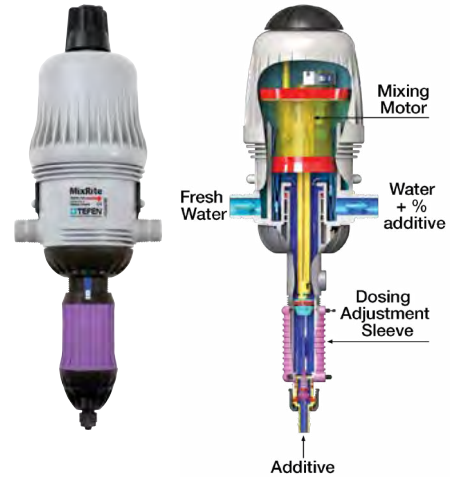
Tefen's MixRite line of water driven proportional dosing pumps, are used to ensure precise additive injection directly into the water or fluid line under various flow rates, feed ratios and different ranges of pressure.

### Features

- Mixes additive and water precisely
- The dosage can be adjusted easily and quickly
- Repair is simple and inexpensive
- Key internal parts are from the highest quality material available (Hastelloy spring, Viton Rubber seal)

**Working Temperature:**  
4°C to +40°C

**Maximum Working Pressure:**  
8 bar



### 3/4" BSPT Male

0471	LPH	Max Pressure Bar	Dosage Rate
MRDP-1	10-3500	0.2-8	1:333 - 1:500
MRDP-2	10-3500	0.2-8	1:1000 - 1:111
MRDP-3	10-3500	0.2-8	1:333 - 1:50
MRDP-4	10-3500	0.2-8	1:200 - 1:20
MRDP-5	50-3500	0.2-8	1:100 - 1:10

Tech Sheet 60239

## PVDF QUICK-FIT FITTINGS

Fittings made of PVDF function better than nylon when exposed to a wide range of temperatures and high corrosive chemicals.

This enables them to be used in industries such as chemical processing due to their excellent chemical resistance properties.

**Working Temperature:**  
-20°C to +120°C

**Maximum Working Pressure:**  
14 bar at 20°C

### Male Connector



#### BSPT

0472	ID mm	OD mm	Thread
PPV1-6-18	4	6	1/8"
PPV1-8-14	6	8	1/4"
PPV1-12-38	10	12	3/8"

Tech Sheet 60237

### Equal Connector



#### Tube x Tube

0472	ID mm	OD mm
PPV3-6	4	6
PPV3-8	6	8
PPV3-12	10	12

Tech Sheet 60237

### Equal Tee



#### Tube x Tube

0472	ID mm	OD mm
PPV9-6	4	6
PPV9-8	6	8
PPV9-12	10	12

Tech Sheet 60237

### Female Connector



#### BSPT

0472	ID mm	OD mm	Thread
PPV2-6-18	4	6	1/8"
PPV2-6-14	4	6	1/4"
PPV2-8-14	6	8	1/4"

Tech Sheet 60237

### Equal Elbow



#### Tube x Tube

0472	ID mm	OD mm
PPV5-6	4	6
PPV5-8	6	8
PPV5-12	10	12

Tech Sheet 60237

### Male Elbow



#### BSPT

0472	ID mm	OD mm	Thread
PPV6-6-18	4	6	1/8"
PPV6-8-14	6	8	1/4"
PPV6-12-38	10	12	3/8"

Tech Sheet 60237

# PVDF HOSE TAILS

Fittings made of PVDF function better than nylon when exposed to a wide range of temperatures and high corrosive chemicals.

This enables them to be used in industries such as chemical processing due to their excellent chemical resistance properties.

Working Temperature: -20°C to +120°C

Maximum Working Pressure: 14 bar at 20°C



Hose Tails, Adaptors & Compression



## Male x Hose Connector



### BSPT

0472	To Suit Hose ID	Thread
PPV15-4-18	1/8"	1/8"
PPV15-4-14	1/8"	1/4"
PPV15-5-18	3/16"	1/8"
PPV15-5-14	3/16"	1/4"
PPV15-6-18	1/4"	1/8"
PPV15-6-14	1/4"	1/4"
PPV15-6-38	1/4"	3/8"
PPV15-6-12	1/4"	1/2"
PPV15-8-18	5/16"	1/8"
PPV15-8-14	5/16"	1/4"
PPV15-8-38	5/16"	3/8"
PPV15-8-12	5/16"	1/2"
PPV15-10-14	3/8"	1/4"
PPV15-10-38	3/8"	3/8"
PPV15-10-12	3/8"	1/2"
PPV15-10-34	3/8"	3/4"
PPV15-12-14	1/2"	1/4"
PPV15-12-38	1/2"	3/8"
PPV15-12-12	1/2"	1/2"
PPV15-12-34	1/2"	3/4"
PPV15-16-12	5/8"	1/2"
PPV15-16-34	5/8"	3/4"
PPV15-19-12	3/4"	1/2"
PPV15-19-34	3/4"	3/4"

Tech Sheet 60237

## Female x Hose Connector



### BSPT

0472	To Suit Hose ID	Thread
PPV14-5-18	3/16"	1/8"
PPV14-5-14	3/16"	1/4"
PPV14-5-38	3/16"	3/8"
PPV14-6-14	1/4"	1/4"
PPV14-6-38	1/4"	3/8"
PPV14-6-12	1/4"	1/2"
PPV14-8-14	5/16"	1/4"
PPV14-8-38	5/16"	3/8"
PPV14-8-12	5/16"	1/2"
PPV14-10-12	3/8"	1/2"
PPV14-12-12	1/2"	1/2"

Tech Sheet 60237

## Straight Hose Connector



### Tube x Tube

0472	To Suit Hose ID
PV20-5	3/16"
PV20-6	1/4"
PV20-8	5/16"
PV20-10	3/8"
PV20-12	1/2"

Tech Sheet 60237

## Male Elbow Hose Connector



### BSPT

0472	To Suit Hose ID	Thread
PPV16-4-18	1/8"	1/8"
PPV16-4-14	1/8"	1/4"
PPV16-5-18	3/16"	1/8"
PPV16-5-14	3/16"	1/4"
PPV16-6-18	1/4"	1/8"
PPV16-6-14	1/4"	1/4"
PPV16-6-38	1/4"	3/8"
PPV16-6-12	1/4"	1/2"
PPV16-8-18	5/16"	1/8"
PPV16-8-14	5/16"	1/4"
PPV16-8-38	5/16"	3/8"
PPV16-8-12	5/16"	1/2"
PPV16-10-14	3/8"	1/4"
PPV16-10-38	3/8"	3/8"
PPV16-10-12	3/8"	1/2"
PPV16-10-34	3/8"	3/4"
PPV16-12-14	1/2"	1/4"
PPV16-12-38	1/2"	3/8"
PPV16-12-12	1/2"	1/2"
PPV16-12-34	1/2"	3/4"
PPV16-16-12	5/8"	1/2"
PPV16-16-34	5/8"	3/4"
PPV16-19-12	3/4"	1/2"
PPV16-19-34	3/4"	3/4"

Tech Sheet 60237

## Elbow Hose Connector



### Tube x Tube

0472	To Suit Hose ID
PV18-5	3/16"
PV18-6	1/4"
PV18-8	5/16"
PV18-10	3/8"
PV18-12	1/2"

Tech Sheet 60237

## Reducing Elbow Hose Connector



### Tube x Tube

0472	To Suit Hose ID	To Suit Hose ID
PV17-6-5	1/4"	3/16"
PV17-8-6	5/16"	1/4"
PV17-10-8	3/8"	5/16"
PV17-12-10	1/2"	3/8"

Tech Sheet 60237

## Tee Hose Connector



### Tube x Tube

0472	To Suit Hose ID
PV23-5	3/16"
PV23-6	1/4"
PV23-8	5/16"
PV23-10	3/8"
PV23-12	1/2"

Tech Sheet 60237

## Male Branch Tee Hose Connector




### BSPT

0472	To Suit Hose ID	Thread
PPV22-6-18	1/4"	1/8"
PPV22-6-14	1/4"	1/4"
PPV22-8-14	5/16"	1/4"
PPV22-10-14	3/8"	1/4"
PPV22-12-14	1/2"	1/4"
PPV22-12-12	1/2"	1/2"
PPV22-12-38	1/2"	3/8"
PPV22-16-34	5/8"	3/4"
PPV22-19-34	3/4"	3/4"

Tech Sheet 60237

Fittings made of PVDF function better than nylon when exposed to a wide range of temperatures and high corrosive chemicals.

This enables them to be used in industries such as chemical processing due to their excellent chemical resistance properties.

 **Working Temperature:**  
-20°C to +120°C

 **Maximum Working Pressure:**  
14 bar at 20°C

## Equal Nipple



### BSPT

0472	Thread
PV2-18	1/8"
PV2-14	1/4"
PV2-38	3/8"
PV2-12	1/2"

Tech Sheet 60237

## Unequal Nipple



### BSPT

0472	Thread	Thread
PV1-14-18	1/4"	1/8"
PV1-38-18	3/8"	1/8"
PV1-38-14	3/8"	1/4"
PV1-12-14	1/2"	1/4"
PV1-12-38	1/2"	3/8"

Tech Sheet 60237

## Female Socket



### BSPT

0472	Thread
PV5-18	1/8"
PV5-14	1/4"
PV5-38	3/8"
PV5-12	1/2"

Tech Sheet 60237

## Reducing Socket



### BSPT

0472	Thread	Thread
PV6-14-18	1/4"	1/8"
PV6-38-18	3/8"	1/8"
PV6-38-14	3/8"	1/4"
PV6-12-14	1/2"	1/4"
PV6-12-38	1/2"	3/8"

Tech Sheet 60237

## Reducing Bush



### BSPT

0472	Male Thread	Female Thread
PV4-14-18	1/4"	1/8"
PV4-38-18	3/8"	1/8"
PV4-38-14	3/8"	1/4"
PV4-12-18	1/2"	1/8"
PV4-12-14	1/2"	1/4"
PV4-12-38	1/2"	3/8"

Tech Sheet 60237

## Bush



### BSPT

0472	Male Thread	Female Thread
PV3-18-38	1/8"	3/8"
PV3-14-18	1/4"	1/8"
PV3-14-14	1/4"	1/4"
PV3-14-38	1/4"	3/8"
PV3-38-18	3/8"	1/8"
PV3-38-14	3/8"	1/4"
PV3-38-38	3/8"	3/8"
PV3-38-12	3/8"	1/2"
PV3-12-14	1/2"	1/4"
PV3-12-38	1/2"	3/8"
PV3-12-12	1/2"	1/2"

Tech Sheet 60237

## Equal Elbow



### BSPT

0472	Thread
PV10-18	1/8"
PV10-14	1/4"
PV10-38	3/8"
PV10-12	1/2"

Tech Sheet 60237

## Equal Tee



### BSPT

0472	Thread
PV7-18	1/8"
PV7-14	1/4"
PV7-38	3/8"

Tech Sheet 60237

## Blanking Plug



### BSPT

0472	Thread
PV12-18	1/8"
PV12-14	1/4"
PV12-38	3/8"
PV12-12	1/2"

Tech Sheet 60237

## Blanking Cap



### BSPT

0472	Thread
PV13-18	1/8"
PV13-14	1/4"
PV13-38	3/8"
PV13-12	1/2"

Tech Sheet 60237

# PLASTIC HOSE CONNECTORS



OUR SUPERIOR DESIGN AND MANUFACTURING PROCESS ENSURES HIGHLY ACCURATE CONNECTOR DIMENSIONS FOR A PERFECT SEAL.

- High performance products specified by the world's leading manufacturers for all their hose, tube and pipe applications
- Quality assured engineering and manufacture to ISO 9002, QS 9000 and ISO 14001
- Nylon polyamide 6 material

## NORMA® Plastic Hose Connectors

- Nylon polyamide 6 material



### Straight Taper Thread, BSPT Male

7777	To Suit Hose ID mm	Thread
NOR-GES4R18	4	1/8"
NOR-GES4R14	4	1/4"
NOR-GES5R14	5	1/4"
NOR-GES6R18	6	1/8"
NOR-GES6R14	6	1/4"
NOR-GES6R38	6	3/8"
NOR-GES8R14	8	1/4"
NOR-GES8R38	8	3/8"
NOR-GES8R12	8	1/2"
NOR-GES10R14	10	1/4"
NOR-GES10R38	10	3/8"
NOR-GES12R38	12	3/8"
NOR-GES12R12	12	1/2"
NOR-GES14R12	14	1/2"
NOR-GES16R12	16	1/2"
NOR-GES16R34	16	3/4"
NOR-GES19R34	19	3/4"
NOR-GES25R1	25	1"

- Nylon polyamide 6 material



### Blanking Plugs with Screw-in Thread, BSPT Male

7777	Thread
NOR-BSTR18	1/8"
NOR-BSTR38	3/8"

- Nylon polyamide 6 material



### Elbow Taper Thread, BSPT Male

7777	To Suit Hose ID mm	Thread
NOR-WES4R18	4	1/8"
NOR-WES4R14	4	1/4"
NOR-WES6R18	6	1/8"
NOR-WES6R14	6	1/4"
NOR-WES6R38	6	3/8"
NOR-WES8R18	8	1/8"
NOR-WES8R14	8	1/4"
NOR-WES8R12	8	1/2"
NOR-WES10R14	10	1/4"
NOR-WES10R38	10	3/8"
NOR-WES12R38	12	3/8"
NOR-WES12R12	12	1/2"
NOR-WES19R34	19	3/4"
NOR-WES25R1	25	1"

- Nylon polyamide 6 material



### T Taper Thread, BSPT Male

7777	To Suit Hose ID mm	Thread
NOR-TE56R18	6	1/8"
NOR-TE58R14	8	1/4"
NOR-TE510R38	10	3/8"

- Acetal POM material



### Straight Push-on

7777	To Suit Hose ID mm
NOR-GS3	3
NOR-GS4	4
NOR-GS5	5
NOR-GS6	6
NOR-GS8	8
NOR-GS10	10
NOR-GS12	12
NOR-GS13	13
NOR-GS14	14
NOR-GS16	16
NOR-GS19	19
NOR-GS25	25

Customers who bought from this page also purchased...

**Stainless Steel Hose Clamps**  
...see **Section 8**



stainless steel

## NORMA® Plastic Hose Connectors

- Acetal POM material



### Reducing Straight

7777	To Suit Hose ID mm	To Suit Hose ID mm
NOR-GRS4-3	4	3
NOR-GRS5-4	5	4
NOR-GRS6-4	6	4
NOR-GRS8-4	8	4
NOR-GRS8-6	8	6
NOR-GRS10-6	10	6
NOR-GRS10-8	10	8
NOR-GRS12-8	12	8
NOR-GRS12-10	12	10

- Acetal POM material



### Elbow

7777	To Suit Hose ID mm
NOR-WS3	3
NOR-WS4	4
NOR-WS5	5
NOR-WS6	6
NOR-WS8	8
NOR-WS10	10
NOR-WS12	12
NOR-WS13	13
NOR-WS14	14
NOR-WS15	15
NOR-WS16	16
NOR-WS19	19
NOR-WS25	25

- Acetal POM material



### Equal Tee

7777	To Suit Hose ID mm
NOR-TS3	3
NOR-TS4	4
NOR-TS5	5
NOR-TS6	6
NOR-TS7	7
NOR-TS8	8
NOR-TS10	10
NOR-TS12	12
NOR-TS13	13
NOR-TS14	14
NOR-TS15	15
NOR-TS16	16
NOR-TS19	19
NOR-TS25	25

- Acetal POM material



### Equal Y

7777	To Suit Hose ID mm
NOR-YS3	3
NOR-YS4	4
NOR-YS5	5
NOR-YS6	6
NOR-YS8	8
NOR-YS10	10
NOR-YS12	12
NOR-YS13	13
NOR-YS14	14
NOR-YS16	16
NOR-YS19	19

- Acetal POM material



### Reducing Tee, on Branch

7777	To Suit Hose ID mm	To Suit Hose ID mm
NOR-TRS4-6-4	4	6
NOR-TRS6-4-6	4	6
NOR-TRS8-4-8	4	8
NOR-TRS8-6-8	6	8
NOR-TRS10-6-10	6	10
NOR-TRS10-8-10	8	10
NOR-TRS10-13-10	10	13
NOR-TRS12-6-12	6	12
NOR-TRS12-8-12	8	12
NOR-TRS12-10-12	10	12
NOR-TRS15-6-15	6	15
NOR-TRS15-8-15	8	15
NOR-TRS18-10-18	10	18
NOR-TRS18-15-18	15	18

- Acetal POM material



### Reducing Y, on Split

7777	To Suit Hose ID mm	To Suit Hose ID mm
NOR-YRS4-6-4	6	4
NOR-YRS6-8-6	8	6

- Acetal POM material



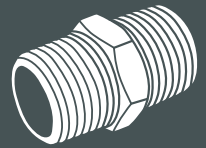
### Cross

7777	To Suit Hose ID mm
NOR-KS4	4
NOR-KS5	5
NOR-KS6	6
NOR-KS12	12



# SECTION 3

## Stainless Steel Fittings



- **Haitima 150lb Stainless Steel Pipe Fittings**
- **3000lb Stainless Steel Pipe Fittings**
- **316 Stainless Steel Flanges**
- **Stainless Steel Ball Valves**
- **Stainless Steel Needle Valves**
- **Stainless Steel Angle Seat Valves**
- **Sirai Stainless Steel Solenoid Valves**
- **Panam Stainless Steel Hydraulic Adaptors**
- **Panam Stainless Steel Twin Ferrule Compression**
- **Hydraulic Stainless Steel Tubing**
- **Hygienic 316L Pipe Fittings**





Angle Seat Valves, Stainless	213
Ball Valves, Stainless	210-212
Flanges, Stainless	209
Gate Valves, Stainless	212
Hydraulic Adaptors, Stainless	215-217
Hygienic 316L BS Type Pipe Fittings	234-238
Hygienic 316L Clamp Fittings	236
Hygienic 316L Valves	237
Hygienic RJT Couplings	238
Needle Valves, Stainless	210
Panam Hydraulic Adaptors, Stainless	215-217
Panam Twin Ferrule 316 Imperial Fittings	219-225

Panam Twin Ferrule 316 Metric Fittings	226-231
Pipe Fittings, Stainless 150lb	200-204
Pipe Fittings, Stainless 3000lb	205-208
Process Solenoid Valves, Stainless	214
Sirai Valves, Stainless	214
Spring Check Valves, Stainless	212
Swing Check Valves, Stainless	212
Tubing, Stainless	233
Twin Ferrule 316 Imperial Fittings	219-225
Twin Ferrule 316 Metric Fittings	226-231
Y Strainers, Stainless	212



# Stainless Steel Pipe Fittings

## General

- General purpose stainless steel 316 BSP pipe fittings
- This is a range of fittings for 'low pressure' applications, generally known as '150lb class fittings'
- Sizes 1/8" to 4"
- Corrosion resistant
- Fracture proof at cryogenic temperatures
- Female threads are BSP (Rp) parallel whilst male threads are BSP (R) taper

## Stainless Steel Tube

Seamless tube to ASTM A213/A269  
Type 316L, metric and imperial  
OD in both 3 and 6 metre lengths.



## Standards

- Manufactured to BS1740 with a high quality finish
- Pipe threads are to ANSI B2.1, dimensions are in accordance to ANSI 16.3
- Stainless steel to ASTM A351, Grade 316, investment castings

## 150lb 316 Pipe Fittings



## Usage

- Petrochemical
- Refineries
- Pharmaceutical
- Water and sewage
- Power generation
- Pulp and paper mills
- Marine
- Food and beverage

## Benefits

- Anti-corrosion
- Cosmetic
- Strength
- Cryogenic
- Sanitation
- Hygiene

## 3000lb 316 Pipe Fittings



# 150LB 316 STAINLESS STEEL PIPE FITTINGS

stainless  
steel



HAITIMA

This technical data is applicable to the full range of 316 Stainless Steel Adaptors only.

**Threads:** Tapered in conformity with ISO 7.1, BS 21, DIN 2999. Parallel in conformity with BS 2779, ISO 228.

**Dimensions:** All components are manufactured to the requirements of ASTM A-351.

The dimensions are in accordance with ANSI B16.3.

**Working Temperature:**  
-20°C to +260°C

**Working Pressure:**  
20 bar

## Equal Cross



### Female Thread, BSPP

1111	Thread
EC-18	1/8"
EC-14	1/4"
EC-38	3/8"
EC-12	1/2"
EC-34	3/4"
EC-1	1"
EC-114	1.1/4"
EC-112	1.1/2"
EC-2	2"

Tech Sheet 1800

## Equal Tee



### Female Thread, BSPP

1111	Thread
ET-18	1/8"
ET-14	1/4"
ET-38	3/8"
ET-12	1/2"
ET-34	3/4"
ET-1	1"
ET-114	1.1/4"
ET-112	1.1/2"
ET-2	2"
ET-212	2.1/2"
ET-3	3"
ET-4	4"

Tech Sheet 1799

## Straight Hose Tails



### Male Thread, BSPT

1111	Thread	To Suit Hose ID
HT-18	1/8"	1/8" (4mm)
HT-18-06	1/8"	1/4" (6mm)
HT-14	1/4"	1/4" (6mm)
HT-14-08	1/4"	5/16" (8mm)
HT-14-10	1/4"	3/8" (10mm)
HT-14-13	1/4"	1/2" (13mm)
HT-38-08	3/8"	5/16" (8mm)
HT-38	3/8"	3/8" (10mm)
HT-38-13	3/8"	1/2" (13mm)
HT-12-06	1/2"	1/4" (6mm)
HT-12-10	1/2"	3/8" (10mm)
HT-12	1/2"	1/2" (13mm)
HT-12-19	1/2"	3/4" (19mm)
HT-12-25	1/2"	1" (25mm)
HT-12-16	1/2"	5/8"
HT-34-13	3/4"	1/2" (13mm)
HT-34	3/4"	3/4" (19mm)
HT-1-19	1"	3/4" (19mm)
HT-1	1"	1" (25mm)
HT-1-31	1"	1.1/4" (31mm)
HT-114	1.1/4"	1.1/4" (31mm)
HT-112	1.1/2"	1.1/2" (38mm)
HT-2	2"	2" (50mm)
HT-212	2.1/2"	2.1/2" (63mm)
HT-3	3"	3" (75mm)
HT-4	4"	4" (100mm)

Tech Sheet 1795



### Female Fixed Thread, BSPP

1111	Thread	To Suit Hose ID
SFHT10/06	1/8"	6mm (1/4")
SFHT13/06	1/4"	6mm (1/4")
SFHT13/09	1/4"	9mm (3/8")
SFHT17/10	3/8"	10mm (3/8")
SFHT21/13	1/2"	13mm (1/2")
SFHT26/19	3/4"	19mm (3/4")
SFHT33/25	1"	25mm (1")
SFHT42/32	1.1/4"	32mm (1.1/4")
SFHT48/38	1.1/2"	38mm (1.1/2")
SFHT52/51	2"	51mm (2")

Tech Sheet 20777



### Equal Hose Joiner

1111	To Suit Hose ID
DS06-SS	1/4" (6mm)
DS08-SS	5/16" (8mm)
DS10-SS	3/8" (10mm)
DS13-SS	1/2" (13mm)
DS19-SS	3/4" (19mm)
DS25-SS	1" (25mm)
DS31-SS	1.1/4" (31mm)
DS38-SS	1.1/2" (38mm)
DS50-SS	2" (50mm)

Tech Sheet 20778



### Swivel Female Thread, 60° Coned Seat, BSPP

1111	Thread	To Suit Hose ID
FH13/14SS	1/4"	1/4" (6mm)
FH17/38SS	3/8"	3/8" (10mm)
FH21/12SS	1/2"	1/2" (13mm)
FH26/12SS	3/4"	1/2" (13mm)
FH26/34SS	3/4"	3/4" (19mm)
FH33/19SS	1"	3/4"
FH33/25SS	1"	1"
FH48/38SS	1.1/2"	1.1/2"
FH52/50SS	2"	2"

Tech Sheet 20779

# 150LB 316 STAINLESS STEEL PIPE FITTINGS

stainless  
steel



HAITIMA

3



Stainless Steel Fittings & Valves



## Barrel Nipple



### Male Thread, BSPT

1111	Thread	Length mm
BN-18X30	1/8"	30
BN-18	1/8"	40
BN-14	1/4"	40
BN-14X80	1/4"	80
BN-38	3/8"	40
BN-38X80	3/8"	80
BN-12	1/2"	60
BN-12X80	1/2"	80
BN-34	3/4"	60
BN-34X80	3/4"	80
BN-1	1"	60
BN-1X100	1"	100
BN-1X150	1"	150
BN-114	1.1/4"	80
BN-112	1.1/2"	80
BN-2	2"	100
BN-212	2.1/2"	100
BN-3	3"	120
BN-4	4"	120

Tech Sheet 1803

## Close Nipple



### Male Thread, BSPP

1111	Thread
CPN-14	1/4"
CPN-38	3/8"
CPN-12	1/2"
CPN-34	3/4"
CPN-1	1"
CPN-114	1.1/4"
CPN-112	1.1/2"
CPN-2	2"
CPN-212	2.1/2"

Tech Sheet 1801

## Female Reducing Socket



### Female Thread, BSPP

1111	Thread	Thread
FRS-14-18	1/4"	1/8"
FRS-38-14	3/8"	1/4"
FRS-38-18	3/8"	1/8"
FRS-12-38	1/2"	3/8"
FRS-12-14	1/2"	1/4"
FRS-12-18	1/2"	1/8"
FRS-34-14	3/4"	1/4"
FRS-34-12	3/4"	1/2"
FRS-34-38	3/4"	3/8"
FRS-1-34	1"	3/4"
FRS-1-14	1"	1/4"
FRS-1-38	1"	3/8"
FRS-1-12	1"	1/2"
FRS-114-1	1.1/4"	1"
FRS-114-12	1.1/4"	1/2"
FRS-114-34	1.1/4"	3/4"
FRS-112-1	1.1/2"	1"
FRS-112-34	1.1/2"	3/4"
FRS-112-114	1.1/2"	1.1/4"
FRS-2-34	2"	3/4"
FRS-2-1	2"	1"
FRS-2-112	2"	1.1/2"
FRS-2-114	2"	1.1/4"
FRS-212-114	2.1/2"	1.1/4"
FRS-212-2	2.1/2"	2"
FRS-3-114	3"	1.1/4"
FRS-3-2	3"	2"
FRS-3-212	3"	2.1/2"
FRS-4-2	4"	2"
FRS-4-3	4"	3"

Tech Sheet 1802

## 45° Equal Elbow



### Female Thread, BSPP

1111	Thread
OE-18	1/8"
OE-14	1/4"
OE-38	3/8"
OE-12	1/2"
OE-34	3/4"
OE-1	1"
OE-114	1.1/4"
OE-112	1.1/2"
OE-2	2"
OE-212	2.1/2"
OE-3	3"
OE-4	4"

Tech Sheet 1796

## 45° Equal Bracket Elbow



### Female Thread, BSPP

1111	Thread
WEP-12	1/2"

Tech Sheet 1797

## 90° Equal Elbow



### Female Thread, BSPP

1111	Thread
EE-18	1/8"
EE-14	1/4"
EE-38	3/8"
EE-12	1/2"
EE-34	3/4"
EE-1	1"
EE-114	1.1/4"
EE-112	1.1/2"
EE-2	2"
EE-212	2.1/2"
EE-3	3"
EE-4	4"

Tech Sheet 1797

## 90° Street Elbow



### Male Thread, BSPT x Female Thread, BSPP

1111	Male Thread	Female Thread
SE-18	1/8"	1/8"
SE-14	1/4"	1/4"
SE-38	3/8"	3/8"
SE-12	1/2"	1/2"
SE-34	3/4"	3/4"
SE-1	1"	1"
SE-114	1.1/4"	1.1/4"
SE-112	1.1/2"	1.1/2"
SE-2	2"	2"
SE-212	2.1/2"	2.1/2"
SE-3	3"	3"
SE-4	4"	4"

Tech Sheet 1798

# 150LB 316 STAINLESS STEEL PIPE FITTINGS

stainless  
steel



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## Equal Nipple



### Male Thread, BSPT

1111	Thread
HN-18	1/8"
HN-14	1/4"
HN-38	3/8"
HN-12	1/2"
HN-34	3/4"
HN-1	1"
HN-114	1.1/4"
HN-112	1.1/2"
HN-2	2"
HN-212	2.1/2"
HN-3	3"
HN-4	4"

Tech Sheet 1804

### Male Thread, NPT

1111	Thread
NPT62001010	1/8"
NPT62001313	1/4"
NPT62001717	3/8"
NPT62002121	1/2"
NPT62002727	3/4"
NPT62003232	1"
NPT62004242	1.1/4"
NPT62004848	1.1/2"
NPT62006060	2"
NPT62007676	2.1/2"
NPT62008989	3"
NPT62000114	4"

Tech Sheet 1804

## Hexagon Blanking Cap



### Female Thread, BSPP

1111	Thread
HBC-18	1/8"
HBC-14	1/4"
HBC-38	3/8"
HBC-12	1/2"
HBC-34	3/4"
HBC-1	1"
HBC-114	1.1/4"
HBC-112	1.1/2"
HBC-2	2"
HBC-212	2.1/2"
HBC-3	3"
HBC-4	4"

Tech Sheet 1805

## Blanking Plug



### Male Thread, BSPT

1111	Thread
HP-18	1/8"
HP-14	1/4"
HP-38	3/8"
HP-12	1/2"
HP-34	3/4"
HP-1	1"
HP-114	1.1/4"
HP-112	1.1/2"
HP-2	2"
HP-212	2.1/2"
HP-3	3"

Tech Sheet 1806

### Male Thread, NPT

1111	Thread
NPT62181000	1/8"
NPT62181300	1/4"
NPT62181700	3/8"
NPT62182100	1/2"
NPT62182700	3/4"
NPT62183200	1"
NPT62184200	1.1/4"
NPT62184800	1.1/2"
NPT62186000	2"
NPT62187600	2.1/2"
NPT62188900	3"

Tech Sheet 1808

## Female Union



### Female Thread, BSPP (2 Piece)

1111	Thread
HU-18	1/8"
HU-14	1/4"
HU-38	3/8"
HU-12	1/2"
HU-34	3/4"
HU-1	1"
HU-114	1.1/4"
HU-112	1.1/2"
HU-2	2"
HU-212	2.1/2"
HU-3	3"
HU-4	4"

Tech Sheet 1807

## Male/Female Union



### Male Thread, BSPT x Female Thread, BSPP (2 Piece)

1111	Thread
MFU-14	1/4"
MFU-38	3/8"
MFU-12	1/2"
MFU-34	3/4"
MFU-1	1"
MFU-114	1.1/4"
MFU-112	1.1/2"
MFU-2	2"
MFU-4	4"

Tech Sheet 1808

## Lock Nut



### Female Thread, BSPP

1111	Thread
LN-18	1/8"
LN-14	1/4"
LN-38	3/8"
LN-12	1/2"
LN-34	3/4"
LN-1	1"
LN-114	1.1/4"
LN-112	1.1/2"
LN-2	2"
LN-212	2.1/2"
LN-3	3"
LN-4	4"

Tech Sheet 1809

# 150LB 316 STAINLESS STEEL PIPE FITTINGS

stainless  
steel



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3



Stainless Steel Fittings & Valves



## Reducing Bush



Male Thread,  
BSPT x Female Thread, BSPP

1111	Male Thread	Female Thread
RB-14-18	1/4"	1/8"
RB-38-14	3/8"	1/4"
RB-38-18	3/8"	1/8"
RB-12-14	1/2"	1/4"
RB-12-18	1/2"	1/8"
RB-12-38	1/2"	3/8"
RB-34-12	3/4"	1/2"
RB-34-14	3/4"	1/4"
RB-34-18	3/4"	1/8"
RB-34-38	3/4"	3/8"
RB-1-12	1"	1/2"
RB-1-14	1"	1/4"
RB-1-34	1"	3/4"
RB-1-38	1"	3/8"
RB-114-1	1.1/4"	1"
RB-114-12	1.1/4"	1/2"
RB-114-34	1.1/4"	3/4"
RB-112-1	1.1/2"	1"
RB-112-12	1.1/2"	1/2"
RB-112-34	1.1/2"	3/4"
RB-112-114	1.1/2"	1.1/4"
RB-2-1	2"	1"
RB-2-34	2"	3/4"
RB-2-112	2"	1.1/2"
RB-2-114	2"	1.1/4"
RB-212-1	2.1/2"	1"
RB-212-2	2.1/2"	2"
RB-212-112	2.1/2"	1.1/2"
RB-212-114	2.1/2"	1.1/4"
RB-3-1	3"	1"
RB-3-112	3"	1.1/2"
RB-3-2	3"	2"
RB-3-212	3"	2.1/2"
RB-4-3	4"	3"

Tech Sheet 1810

Male Thread, NPTF  
x Female Thread, NPTF

1111	Male Thread	Female Thread
NPT62041310	1/4"	1/8"
NPT62041713	3/8"	1/4"
NPT62042117	1/2"	3/8"
NPT62042721	3/4"	1/2"
NPT62043227	1"	3/4"
NPT62044232	1.1/4"	1"
NPT62044842	1.1/2"	1.1/4"
NPT62046048	2"	1.1/2"
NPT62047660	2.1/2"	2"
NPT62048976	3"	2.1/2"

## Reducing Nipple



Male Thread, BSPT

1111	Thread	Thread
RHN-14-18	1/4"	1/8"
RHN-12-14	1/2"	1/4"
RHN-12-18	1/2"	1/8"
RHN-12-38	1/2"	3/8"
RHN-38-14	3/8"	1/4"
RHN-38-18	3/8"	1/8"
RHN-34-12	3/4"	1/2"
RHN-34-14	3/4"	1/4"
RHN-34-18	3/4"	1/8"
RHN-34-38	3/4"	3/8"
RHN-1-12	1"	1/2"
RHN-1-14	1"	1/4"
RHN-1-34	1"	3/4"
RHN-1-38	1"	3/8"
RHN-114-1	1.1/4"	1"
RHN-114-38	1.1/4"	3/8"
RHN-114-12	1.1/4"	1/2"
RHN-114-34	1.1/4"	3/4"
RHN-112-1	1.1/2"	1"
RHN-112-12	1.1/2"	1/2"
RHN-112-34	1.1/2"	3/4"
RHN-112-114	1.1/2"	1.1/4"
RHN-2-1	2"	1"
RHN-2-12	2"	1/2"
RHN-2-34	2"	3/4"
RHN-2-112	2"	1.1/2"
RHN-2-114	2"	1.1/4"
RHN-3-2	3"	2"

Tech Sheet 1811

## Round Blanking Cap



Female Thread, BSPP

1111	Thread
RC-18	1/8"
RC-14	1/4"
RC-38	3/8"
RC-12	1/2"
RC-34	3/4"
RC-1	1"
RC-114	1.1/4"
RC-112	1.1/2"
RC-2	2"
RC-212	2.1/2"
RC-3	3"

Tech Sheet 1812

## Welding Nipple



Male Thread, BSPT

1111	Thread	Length mm
WN-18	1/8"	30
WN-14	1/4"	30
WN-38	3/8"	30
WN-12	1/2"	35
WN-34	3/4"	40
WN-1	1"	40
WN-114	1.1/4"	50
WN-112	1.1/2"	50
WN-2	2"	50
WN-212	2.1/2"	60
WN-3	3"	70
WN-4	4"	80

Tech Sheet 1813

## Square Head Plug



Male Thread, BSPT

1111	Thread
SP-18	1/8"
SP-14	1/4"
SP-38	3/8"
SP-12	1/2"
SP-34	3/4"
SP-1	1"
SP-114	1.1/4"
SP-112	1.1/2"
SP-2	2"
SP-212	2.1/2"
SP-3	3"

Tech Sheet 1814



# 150LB 316 STAINLESS STEEL PIPE FITTINGS

stainless  
steel



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## Threaded Full Socket



### Female Thread, BSPP

1111	Thread
FS-18	1/8"
FS-14	1/4"
FS-38	3/8"
FS-12	1/2"
FS-34	3/4"
FS-1	1"
FS-114	1.1/4"
FS-112	1.1/2"
FS-2	2"
FS-212	2.1/2"
FS-3	3"
FS-4	4"

Tech Sheet 1815

### Female Thread, NPT

1111	Thread
NPT62061010	1/8"
NPT62061313	1/4"
NPT62061717	3/8"
NPT62062121	1/2"
NPT62062727	3/4"
NPT62063232	1"
NPT62064242	1.1/4"
NPT62064848	1.1/2"
NPT62066060	2"
NPT62067676	2.1/2"
NPT62068989	3"
NPT62060114	4"

## Threaded Half Socket



### Female Thread, BSPP

1111	Thread
HS-18	1/8"
HS-14	1/4"
HS-38	3/8"
HS-12	1/2"
HS-34	3/4"
HS-1	1"
HS-114	1.1/4"
HS-112	1.1/2"
HS-2	2"
HS-212	2.1/2"
HS-3	3"
HS-4	4"

Tech Sheet 1816

## 316 Stainless Steel Tube

Seamless schedule 40 ASTM A312/AMSE SA312-A530.  
Conforms to NACE standard MR-01-75, Din50049-3.1.B.  
**N.B.** Delivery may take up to 48 hours.



### 3 Metre Lengths, Random

0214	NB	Wall Thickness mm
2028-5839	1/8"	1.73
2028-5854	1/4"	2.24
2028-5862	3/8"	2.31
2028-5870	1/2"	2.77
2028-5953	3/4"	2.87
2028-5961	1"	3.38
2028-5979	1.1/4"	3.56
2028-5987	1.1/2"	3.68
2028-5995	2"	3.91

Tech Sheet 831

You might also need...




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**316 Stainless Steel Ball Valves**  
see page 211



# 3000LB 316 STAINLESS STEEL PIPE FITTINGS

- ASTM A182 316/L stainless steel
- NPT threaded to ANSI B2.1
- Dimensions to ANSI B16.11/BS3799
- BSPT threaded to ISO 7/1
- Sizes 1/4" to 2"
- Pressure/temperature ratings according to BS 3799
- Pressure rating performance will vary depending on temperature.

 **Working Temperature:**  
-100°C to +525°C

 **Maximum Working Pressure:**  
207 bar



## 90° Equal Female Elbow



### NPT

0434	Thread
1012-0001	1/4"
1012-0002	3/8"
1012-0003	1/2"
1012-0004	3/4"
1012-0005	1"
1012-0006	1.1/4"
1012-0007	1.1/2"
1012-0008	2"

Tech Sheet 20506

### BSPT

0434	Thread
1012-0009	1/4"
1012-0010	3/8"
1012-0011	1/2"
1012-0012	3/4"
1012-0013	1"
1012-0014	1.1/4"
1012-0015	1.1/2"
1012-0016	2"

Tech Sheet 20494



### Socket Weld

0434	NB
1012-0017	1/4"
1012-0018	3/8"
1012-0019	1/2"
1012-0020	3/4"
1012-0021	1"
1012-0022	1.1/4"
1012-0023	1.1/2"
1012-0024	2"

Tech Sheet 20521

## 90° Equal Male / Female Street Elbow



### NPT

0434	Thread
1012-0041	1/4"
1012-0042	3/8"
1012-0043	1/2"
1012-0044	3/4"
1012-0045	1"
1012-0046	1.1/4"
1012-0047	1.1/2"
1012-0048	2"

Tech Sheet 20515

## 45° Equal Female Elbow



### NPT

0434	Thread
1012-0025	1/4"
1012-0026	3/8"
1012-0027	1/2"
1012-0028	3/4"
1012-0029	1"
1012-0030	1.1/4"
1012-0031	1.1/2"
1012-0032	2"

Tech Sheet 20505

### Socket Weld

0434	NB
1012-0033	1/4"
1012-0034	3/8"
1012-0035	1/2"
1012-0036	3/4"
1012-0037	1"
1012-0038	1.1/4"
1012-0039	1.1/2"
1012-0040	2"

Tech Sheet 20520

## Equal Tee



### NPT

0434	Thread
1012-0049	1/4"
1012-0050	3/8"
1012-0051	1/2"
1012-0052	3/4"
1012-0053	1"
1012-0054	1.1/4"
1012-0055	1.1/2"
1012-0056	2"

Tech Sheet 20516

### BSPT

0434	Thread
1012-0057	1/4"
1012-0058	3/8"
1012-0059	1/2"
1012-0060	3/4"
1012-0061	1"
1012-0062	1.1/4"
1012-0063	1.1/2"
1012-0064	2"

Tech Sheet 20495



### Socket Weld

0434	NB
1012-0065	1/4"
1012-0066	3/8"
1012-0067	1/2"
1012-0068	3/4"
1012-0069	1"
1012-0070	1.1/4"
1012-0071	1.1/2"
1012-0072	2"

Tech Sheet 20526



# 3000LB 316 STAINLESS STEEL PIPE FITTINGS

stainless  
steel

- ASTM A182 316/L stainless steel
- Dimensions to ANSI B16.11/BS3799
- Sizes 1/4" to 2"
- NPT threaded to ANSI B2.1
- BSPT threaded to ISO 7/1
- Pressure/temperature ratings according to BS 3799
- Pressure rating performance will vary depending on temperature.

 **Working Temperature:**  
-100°C to +525°C

 **Maximum Working Pressure:**  
207 bar

## Equal Cross



### NPT

0434	Thread
1012-0073	1/4"
1012-0074	3/8"
1012-0075	1/2"
1012-0076	3/4"
1012-0077	1"
1012-0078	1.1/4"
1012-0079	1.1/2"
1012-0080	2"

Tech Sheet 20504



### Socket Weld

0434	NB
1012-0082	3/8"
1012-0083	1/2"
1012-0084	3/4"
1012-0085	1"
1012-0086	1.1/4"
1012-0087	1.1/2"
1012-0088	2"

Tech Sheet 20519

## Male / Female Union



### NPT

0434	Thread
1012-0089	1/4"
1012-0090	3/8"
1012-0091	1/2"
1012-0092	3/4"
1012-0093	1"
1012-0094	1.1/4"
1012-0095	1.1/2"
1012-0096	2"

Tech Sheet 20518

## Female Union



### NPT

0434	Thread
1012-0097	1/4"
1012-0098	3/8"
1012-0099	1/2"
1012-0100	3/4"
1012-0101	1"
1012-0102	1.1/4"
1012-0103	1.1/2"
1012-0104	2"

Tech Sheet 20517

### BSPT

0434	Thread
1012-0105	1/4"
1012-0106	3/8"
1012-0107	1/2"
1012-0108	3/4"
1012-0109	1"
1012-0110	1.1/4"
1012-0111	1.1/2"
1012-0112	2"

Tech Sheet 20500



### Socket Weld

0434	NB
1012-0113	1/4"
1012-0114	3/8"
1012-0115	1/2"
1012-0116	3/4"
1012-0117	1"
1012-0118	1.1/4"
1012-0119	1.1/2"
1012-0120	2"

Tech Sheet 20527

## Male Hex Nipple



### NPT

0434	Thread
1012-0121	1/4"
1012-0122	3/8"
1012-0123	1/2"
1012-0124	3/4"
1012-0125	1"
1012-0126	1.1/4"
1012-0127	1.1/2"
1012-0128	2"

Tech Sheet 20509

### BSPT

0434	Thread
1012-0129	1/4"
1012-0130	3/8"
1012-0131	1/2"
1012-0132	3/4"
1012-0133	1"
1012-0134	1.1/4"
1012-0135	1.1/2"
1012-0136	2"

Tech Sheet 20498

## Male Barrel Nipple




### NPT

0434	Thread	Length mm
1012-0137	1/4"	30
1012-0138	3/8"	40
1012-0139	1/2"	60
1012-0140	3/4"	60
1012-0141	1"	60
1012-0142	1.1/4"	80
1012-0143	1.1/2"	80
1012-0144	2"	100

Tech Sheet 20503

# 3000LB 316 STAINLESS STEEL PIPE FITTINGS

- ASTM A182 316/L stainless steel
- NPT threaded to ANSI B2.1
- Dimensions to ANSI B16.11/BS3799
- BSPT threaded to ISO 7/1
- Sizes 1/4" to 2"
- Pressure/temperature ratings according to BS 3799
- Pressure rating performance will vary depending on temperature.

 **Working Temperature:**  
-100°C to +525°C

 **Maximum Working Pressure:**  
207 bar



## Male Hex Reducing Nipple



### BSPT

0434	Thread	Thread
1012-0166	1/4"	1/8"
1012-0167	3/8"	1/8"
1012-0168	1/2"	1/4"
1012-0169	1/2"	3/8"
1012-0170	3/4"	3/8"
1012-0171	3/4"	1/2"
1012-0172	1"	1/2"
1012-0173	1"	3/4"
1012-0174	1.1/4"	3/4"
1012-0175	1.1/4"	1"
1012-0176	1.1/2"	1"
1012-0177	1.1/2"	1.1/4"
1012-0178	2"	1"
1012-0179	2"	1.1/4"
1012-0180	2"	1.1/2"

Tech Sheet 20499

### NPT

0434	Thread	Thread
1012-0145	1/4"	1/8"
1012-0146	3/8"	1/8"
1012-0147	3/8"	1/4"
1012-0148	1/2"	1/8"
1012-0149	1/2"	1/4"
1012-0150	1/2"	3/8"
1012-0151	3/4"	1/4"
1012-0152	3/4"	3/8"
1012-0153	3/4"	1/2"
1012-0154	1"	3/8"
1012-0155	1"	1/2"
1012-0156	1"	3/4"
1012-0157	1.1/4"	1/2"
1012-0158	1.1/4"	3/4"
1012-0159	1.1/4"	1"
1012-0160	1.1/2"	3/4"
1012-0161	1.1/2"	1"
1012-0162	1.1/2"	1.1/4"
1012-0163	2"	1"
1012-0164	2"	1.1/4"
1012-0165	2"	1.1/2"

Tech Sheet 20513

## Full Coupling



### NPT

0434	Thread
1012-0181	1/4"
1012-0182	3/8"
1012-0183	1/2"
1012-0184	3/4"
1012-0185	1"
1012-0186	1.1/4"
1012-0187	1.1/2"
1012-0188	2"

Tech Sheet 20507

### BSPT

0434	Thread
1012-0189	1/4"
1012-0190	3/8"
1012-0191	1/2"
1012-0192	3/4"
1012-0193	1"
1012-0194	1.1/4"
1012-0195	1.1/2"
1012-0196	2"

Tech Sheet 20496

## Socket Weld

0434	NB
1012-0197	1/4"
1012-0198	3/8"
1012-0199	1/2"
1012-0200	3/4"
1012-0201	1"
1012-0202	1.1/4"
1012-0203	1.1/2"
1012-0204	2"

Tech Sheet 20522

## Half Coupling



### NPT

0434	Thread
1012-0205	1/4"
1012-0206	3/8"
1012-0207	1/2"
1012-0208	3/4"
1012-0209	1"
1012-0210	1.1/4"
1012-0211	1.1/2"
1012-0212	2"

Tech Sheet 20508

### BSPT

0434	Thread
1012-0213	1/4"
1012-0214	3/8"
1012-0215	1/2"
1012-0216	3/4"
1012-0217	1"
1012-0218	1.1/4"
1012-0219	1.1/2"
1012-0220	2"

Tech Sheet 20497

## Socket Weld


0434	NB
1012-0221	1/4"
1012-0222	3/8"
1012-0223	1/2"
1012-0224	3/4"
1012-0225	1"
1012-0226	1.1/4"
1012-0227	1.1/2"
1012-0228	2"

Tech Sheet 20523

# 3000LB 316 STAINLESS STEEL PIPE FITTINGS

stainless  
steel

- ASTM A182 316/L stainless steel
- Dimensions to ANSI B16.11/BS3799
- Sizes 1/4" to 2"
- NPT threaded to ANSI B2.1
- BSPT threaded to ISO 7/1
- Pressure/temperature ratings according to BS 3799
- Pressure rating performance will vary depending on temperature.

 **Working Temperature:**  
-100°C to +525°C

 **Maximum Working Pressure:**  
207 bar

## Reducing Coupling



### NPT

0434	Thread	Thread
1012-0229	1/4"	1/8"
1012-0230	3/8"	1/4"
1012-0231	1/2"	1/4"
1012-0232	1/2"	3/8"
1012-0233	3/4"	3/8"
1012-0234	3/4"	1/2"
1012-0235	1"	1/2"
1012-0236	1"	3/4"
1012-0237	1.1/4"	3/4"
1012-0238	1.1/4"	1"
1012-0239	1.1/2"	1"
1012-0240	1.1/2"	1.1/4"
1012-0241	2"	1"
1012-0242	2"	1.1/4"
1012-0243	2"	1.1/2"

Tech Sheet 20512



### Socket Weld

0434	NB	NB
1012-0244	1/4"	1/8"
1012-0245	3/8"	1/4"
1012-0246	1/2"	1/4"
1012-0247	1/2"	3/8"
1012-0248	3/4"	3/8"
1012-0249	3/4"	1/2"
1012-0250	1"	1/2"
1012-0251	1"	3/4"
1012-0252	1.1/4"	1"
1012-0253	1.1/2"	1"
1012-0254	1.1/2"	1.1/4"
1012-0255	2"	1"
1012-0256	2"	1.1/4"
1012-0257	2"	1.1/2"

Tech Sheet 20524

## Reducing Bush



### NPT

0434	Thread	Thread
1012-0258	1/4"	1/8"
1012-0259	3/8"	1/8"
1012-0260	3/8"	1/4"
1012-0261	1/2"	1/8"
1012-0262	1/2"	1/4"
1012-0263	1/2"	3/8"
1012-0264	3/4"	1/4"
1012-0265	3/4"	3/8"
1012-0266	3/4"	1/2"
1012-0267	1"	1/4"
1012-0268	1"	3/8"
1012-0269	1"	1/2"
1012-0270	1"	3/4"
1012-0271	1.1/4"	1/2"
1012-0272	1.1/4"	3/4"
1012-0273	1.1/4"	1"
1012-0274	1.1/2"	3/4"
1012-0275	1.1/2"	1"
1012-0276	1.1/2"	1.1/4"
1012-0277	2"	1"
1012-0278	2"	1.1/4"
1012-0279	2"	1.1/2"

Tech Sheet 20511

### BSPT

0434	Thread	Thread
1012-0280	1/4"	1/8"
1012-0281	3/8"	1/8"
1012-0282	3/8"	1/4"
1012-0283	1/2"	1/8"
1012-0284	1/2"	1/4"
1012-0285	1/2"	3/8"
1012-0286	3/4"	1/4"
1012-0287	3/4"	3/8"
1012-0288	3/4"	1/2"
1012-0289	1"	1/4"
1012-0290	1"	3/8"
1012-0291	1"	1/2"
1012-0292	1"	3/4"
1012-0293	1.1/4"	1/2"
1012-0294	1.1/4"	3/4"
1012-0295	1.1/4"	1"
1012-0296	1.1/2"	3/4"
1012-0297	1.1/2"	1"
1012-0298	1.1/2"	1.1/4"
1012-0299	2"	1"
1012-0300	2"	1.1/4"
1012-0301	2"	1.1/2"

Tech Sheet 20502

## Hex Head Plug



### NPT

0434	Thread
1012-0302	1/4"
1012-0303	3/8"
1012-0304	1/2"
1012-0305	3/4"
1012-0306	1"
1012-0307	1.1/4"
1012-0308	1.1/2"
1012-0309	2"

Tech Sheet 20510

### BSPT

0434	Thread
1012-0310	1/4"
1012-0311	3/8"
1012-0312	1/2"
1012-0313	3/4"
1012-0314	1"
1012-0315	1.1/4"
1012-0316	1.1/2"
1012-0317	2"

Tech Sheet 20501

## Round Cap



### NPT

0434	Thread
1012-0318	1/4"
1012-0319	3/8"
1012-0320	1/2"
1012-0321	3/4"
1012-0322	1"
1012-0323	1.1/4"
1012-0324	1.1/2"
1012-0325	2"

Tech Sheet 20514

### Socket Weld

0434	NB
1012-0326	1/4"
1012-0327	3/8"
1012-0328	1/2"
1012-0329	3/4"
1012-0330	1"
1012-0331	1.1/4"
1012-0332	1.1/2"
1012-0333	2"

Tech Sheet 20525



# 316 STAINLESS STEEL FLANGE

## Slip-on PN16/3



BS4504: Sect 3.1:1989

1111	Size
SSFSB-12	1/2"
SSFSB-34	3/4"
SSFSB-1	1"
SSFSB-114	1.1/4"
SSFSB-112	1.1/2"
SSFSB-2	2"
SSFSB-3	3"

Tech Sheet 1500

## Slip-on 150lb



ANSI B16.5

1111	Size
SSFSA-12	1/2"
SSFSA-1	1"
SSFSA-112	1.1/2"
SSFSA-2	2"

Tech Sheet 1500

## Table D



1111	Size
TABLE-D-112	1.1/2"
TABLE-D-2	2"
TABLE-D-4	4"

Tech Sheet 1500

## Table E



1111	Size
TABLE-E-1	1"
TABLE-E-112	1.1/2"
TABLE-E-2	2"
TABLE-E-3	3"

Tech Sheet 1500

## Blind PN16/8



BS4504: Sect 3.1:1989

1111	Size
SSFBB-12	1/2"
SSFBSB-34	3/4"
SSFBSB-1	1"
SSFBSB-114	1.1/4"
SSFBSB-112	1.1/2"
SSFBB-2	2"
SSFBB-3	3"

Tech Sheet 1500

## Blind 150lb



BS4504: Sect 3.1:1989

1111	Size
SSFBA-12	1/2"
SSFBA-34	3/4"
SSFBA-1	1"
SSFBA-2	2"
SSFBA-3	3"

Tech Sheet 1500

## Weld Neck 150lb



ANSI B16.5

1111	Size
SSFWA-12	1/2"
SSFWA-34	3/4"
SSFWA-1	1"
SSFWA-2	2"
SSFWA-3	3"

Tech Sheet 1500

Customers who bought from this page also purchased...



Flange Gaskets

...see Section 4




## Stainless Steel Mini Ball Valves

### Features:

- Reduced bore
- Suitable for domestic water services, heating and air-conditioning plants and compressed air systems

 Working Temperature:  
-25°C to +180°C

 Maximum Working Pressure: 63 bar



### Male Thread x Female Thread, BSPP

0902	Size
H2005-14	1/4"
H2005-38	3/8"
H2005-12	1/2"
H2005-34	3/4"
H2005-1	1"

Tech Sheet 6018



### Female Thread x Female Thread, BSPP


0902	Size
H2006-14	1/4"
H2006-38	3/8"
H2006-12	1/2"
H2006-34	3/4"
H2006-1	1"

Tech Sheet 6018

## Stainless Steel 3 Way Reduced Bore Direct Mount Ball Valves

### Features:

- Reduced bore
- BSPP threads
- Direct mount ISO 5211
- Anti-static device
- Blowout proof stem
- Locking lever

 Working Temperature:  
-25°C to +180°C

 Maximum Working Pressure: 63 bar



### L Port

0902	Size
2040-14	1/4"
2040-38	3/8"
2040-12	1/2"
2040-34	3/4"
2040-1	1"
2040-114	1.1/4"
2040-112	1.1/2"
2040-2	2"
2040-212	2.1/2"

Tech Sheet 6025

### T Port


0902	Size
2041-14	1/4"
2041-38	3/8"
2041-12	1/2"
2041-34	3/4"
2041-1	1"
2041-114	1.1/4"
2041-112	1.1/2"
2041-2	2"
2041-212	2.1/2"


Tech Sheet 6025

## Stainless Steel Needle Valves

### Features:

- Available in BSPP or NPT threads
- Safety bonnet lock prevents accidental loosening
- Flow can be controlled in both directions

 Working Temperature:  
-54°C to +232°C

 Maximum Working Pressure:  
413 bar at +38°C



### Screwed BSPP

0902	Size
2225-14	1/4"
2225-38	3/8"
2225-12	1/2"
2225-34	3/4"
2225-1	1"

Tech Sheet 6161

### Screwed NPT

0902	Size
2225-14N	1/4"
2225-38N	3/8"
2225-12N	1/2"
2225-34N	3/4"
2225-1N	1"

Tech Sheet 6161

# BALL VALVES

stainless  
steel



HAITIMA

3



Stainless Steel Fittings & Valves



## Stainless Steel 1 Piece Reduced Bore Ball Valves

### Features:

- Investment casting
- Blowout proof stem
- Locking lever

Working Temperature:  
-20°C to +200°C

Maximum Working Pressure:  
63 bar



### BSPP

0099	Size
2017FW-14	1/4"
2017FW-38	3/8"
2017FW-12	1/2"
2017FW-34	3/4"
2017FW-1	1"
2017FW-114	1.1/4"
2017FW-112	1.1/2"
2017FW-2	2"

Tech Sheet 6000

## Stainless Steel 2 Piece Full Bore Ball Valves

### Features:

- Full bore
- Investment casting
- Blowout proof stem
- Locking lever or wing handle

Working Temperature:  
-20°C to +200°C

Maximum Working Pressure:  
63 bar



### Locking Lever, BSPP

0099	Size
2006FW-14	1/4"
2006FW-38	3/8"
2006FW-12	1/2"
2006FW-34	3/4"
2006FW-1	1"
2006FW-114	1.1/4"
2006FW-112	1.1/2"
2006FW-2	2"
2006FW-212	2.1/2"
2006FW-3	3"

Tech Sheet 6001

### Features:

- Full bore
- Investment casting
- Blowout proof stem
- Locking lever or wing handle

Working Temperature:  
-20°C to +200°C

Maximum Working Pressure:  
63 bar



### Wing Handle, BSPP

0099	Size
2006FW-14W	1/4"
2006FW-38W	3/8"
2006FW-12W	1/2"

Tech Sheet 6001

## Stainless Steel 3 Piece Full Bore Ball Valves

### Features:

- Full bore
- Investment casting
- Blowout proof stem
- Locking lever

Working Temperature:  
-20°C to +200°C

Maximum Working Pressure:  
63 bar



### BSPP

0099	Size
2013FW-14	1/4"
2013FW-38	3/8"
2013FW-12	1/2"
2013FW-34	3/4"
2013FW-1	1"
2013FW-114	1.1/4"
2013FW-112	1.1/2"
2013FW-2	2"
2013FW-212	2.1/2"
2013FW-3	3"
2013FW-4	4"


Tech Sheet 6005

## Stainless Steel 2 Piece Lockable Ball Valves

### Features:

- Full bore
- Blowout proof stem
- Locking lever
- Bureau Veritas certification
- Suitable for chemical and pharmaceutical, petrochemical, hydraulic and compressed air systems

 **Working Temperature:**  
-20°C to +180°C

 **Maximum Working Pressure:**  
63 bar: up to 3/4"  
50 bar: 1" and 1.1/4"  
40 bar: 1.1/2" upwards



### Male x Female, BSPP

0901	Size
789-14	1/4"
789-38	3/8"
789-12	1/2"
789-34	3/4"
789-1	1"
789-114	1.1/4"
789-112	1.1/2"
789-2	2"


Tech Sheet 6019

## Stainless Steel Swing Check Valves

### Features:

- BSPP or NPT threads
- Installation in a horizontal position only

 **Working Temperature:**  
-25°C to +180°C

 **Maximum Working Pressure:**  
200 psi (13.8 bar)



### BSPP

0900	Size
2030-12	1/2"
2030-34	3/4"
2030-1	1"
2030-114	1.1/4"
2030-112	1.1/2"
2030-2	2"
2030-212	2.1/2"
2030-3	3"

Tech Sheet 6098

### NPT


0900	Size
2030-12N	1/2"
2030-34N	3/4"
2030-1N	1"
2030-114N	1.1/4"
2030-112N	1.1/2"
2030-2N	2"

Tech Sheet 6098

## Stainless Steel Spring Assisted Check Valves

### Features:

- BSPP threads
- Can be installed in any position

 **Working Temperature:**  
-25°C to +180°C

 **Maximum Working Pressure:** 63 bar



### BSPP


0900	Size
2413-14	1/4"
2413-38	3/8"
2413-12	1/2"
2413-34	3/4"
2413-1	1"
2413-114	1.1/4"
2413-112	1.1/2"
2413-2	2"


Tech Sheet 6093

## Stainless Steel Y Strainers

### Features:

- 0.4mm perforations
- Suitable for saturated steam up to 10 bar

 **Working Temperature:**  
-25°C to +180°C

 **Maximum Working Pressure:**  
800 psi (55.16 bar)



### BSPP

0900	Size
2049-38	3/8"
2049-12	1/2"
2049-34	3/4"
2049-1	1"
2049-114	1.1/4"
2049-112	1.1/2"
2049-2	2"

Tech Sheet 2049

### NPT

0900	Size
2049-12N	1/2"
2049-34N	3/4"
2049-1N	1"
2049-114N	1.1/4"
2049-112N	1.1/2"
2049-2N	2"


Tech Sheet 2049

## Stainless Steel Gate Valves

### Features:

- Investment casting
- Non-rising stem

 **Working Temperature:**  
-20°C to +200°C

 **Maximum Working Pressure:**  
200 psi (13.8 bar)



### BSPP

0900	Size
2029-14	1/4"
2029-38	3/8"
2029-12	1/2"
2029-34	3/4"
2029-1	1"
2029-114	1.1/4"
2029-112	1.1/2"
2029-2	2"
2029-212	2.1/2"
2029-3	3"

Tech Sheet 2029

# PILOT OPERATED ANGLE SEAT VALVES

**° Working Temperature:**  
**Medium Temperature**  
 -10°C to +180°C  
**Environmental Temperature**  
 PA Nylon -10°C to +60°C  
 Stainless steel -10°C to +80°C

**Working Pressure:**  
 3 to 16 bar

- Compact design, available in both normally open and normally closed options.
- Normally Closed - Closes with the flow.
- Normally Open - Closes against the flow.
- High flow.
- 360° Actuator housing rotation.
- Single acting spring return.
- Suitable for use with water, oil, air, aggressive media and steam.

## 316 Stainless Steel Valve, PA Nylon Actuator

**Material:**  
**Body:** 316L Stainless steel  
**Actuator:** PA  
**Seals:** PTFE



### 2 Way 63mm Actuator Normally Closed, BSPP

0381	Thread
KASV-SSP-38-NC	3/8"
KASV-SSP-12-NC	1/2"
KASV-SSP-34-NC	3/4"
KASV-SSP-1-NC	1"
KASV-SSP-114-NC	1.1/4"
KASV-SSP-112-NC	1.1/2"
KASV-SSP-2-NC	2"
KASV-SSP-212-NC	2.1/2"

Tech Sheet 10204



### 2 Way 63mm Actuator Normally Open, BSPP

0381	Thread
KASV-SSP-38-NO	3/8"
KASV-SSP-12-NO	1/2"
KASV-SSP-34-NO	3/4"
KASV-SSP-1-NO	1"
KASV-SSP-114-NO	1.1/4"
KASV-SSP-112-NO	1.1/2"
KASV-SSP-2-NO	2"
KASV-SSP-212-NO	2.1/2"

Tech Sheet 10204

## 316 Stainless Steel Valve, Stainless Steel Actuator

**Material:**  
**Body:** 316L Stainless steel  
**Actuator:** 316L Stainless steel  
**Seals:** PTFE



### 2 Way 63mm Actuator Normally Closed, BSPP

0381	Thread
KASV-SSSS-38-NC	3/8"
KASV-SSSS-12-NC	1/2"
KASV-SSSS-34-NC	3/4"
KASV-SSSS-1-NC	1"
KASV-SSSS-114-NC	1.1/4"
KASV-SSSS-112-NC	1.1/2"
KASV-SSSS-2-NC	2"
KASV-SSSS-212-NC	2.1/2"

Tech Sheet 10204



### 2 Way 63mm Actuator Normally Open, BSPP

0381	Thread
KASV-SSSS-38-NO	3/8"
KASV-SSSS-12-NO	1/2"
KASV-SSSS-34-NO	3/4"
KASV-SSSS-1-NO	1"
KASV-SSSS-2-NO	2"

Tech Sheet 10204



# SOLENOID VALVES

## Stainless Steel 2/2 N/C, Pilot Operated Solenoid Valves

Materials in contact with fluids.

**Body:** Stainless steel AISI 316

**Sealing:** FPM

**Internal Components:** Stainless steel

**Seat:** Stainless steel AISI 316

**Core Tube:** Stainless steel

**Shading Coil:** Copper

Supplied with DIN plugs



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M3/HR	Max Pressure Bar	Replacement Coil
L172V07-18-23050	1/8"	230/50	12VA	1.6	0.08	0 - 20	B12AA
L172V07-18-11050	1/8"	110/50	12VA	1.6	0.08	0 - 20	B12AC
L172V07-18-2450	1/8"	24/50	12VA	1.6	0.08	0 - 20	B12AE
L172V07-18-24	1/8"	24V DC	5.5W	1.6	0.08	0 - 12	B12AL
L176V07-14-23050	1/4"	230/50	12VA	2.4	0.16	0 - 15	C12AA
L176V07-14-11050	1/4"	110/50	12VA	2.4	0.16	0 - 15	C12AC
L176V07-14-2450	1/4"	24/50	12VA	2.4	0.16	0 - 8	C12AE
L176V07-14-24	1/4"	24V DC	5.5W	2.4	0.16	0 - 8	C12AE
L182V09-38-23050	3/8"	230/50	12VA	13.5	2.5	0.35 - 16	B12AA
L182V09-38-11050	3/8"	110/50	12VA	13.5	2.5	0.35 - 16	B12AC
L182V09-38-2450	3/8"	24/50	12VA	13.5	2.5	0.35 - 16	B12AE
L182V09-38-24	3/8"	24V DC	5.5W	13.5	2.5	0.35 - 16	B12AL
L182V09-12-23050	1/2"	230/50	12VA	13.5	3.8	0.35 - 16	B12AA
L182V09-12-11050	1/2"	110/50	12VA	13.5	3.8	0.35 - 16	B12AC
L182V09-12-2450	1/2"	24/50	12VA	13.5	3.8	0.35 - 16	B12AE
L182V09-12-24	1/2"	24V DC	5.5W	13.5	3.8	0.35 - 16	B12AL
L182V09-34-23050	3/4"	230/50	12VA	18	5	0.35 - 16	B12AA
L182V09-34-11050	3/4"	110/50	12VA	18	5	0.35 - 16	B12AC
L182V09-34-2450	3/4"	24/50	12VA	18	5	0.35 - 16	B12AE
L182V09-34-24	3/4"	24V DC	5.5W	18	5	0.35 - 16	B12AL
L182V09-1-23050	1"	230/50	12VA	24	11	0.35 - 16	B12AA
L182V09-1-11050	1"	110/50	12VA	24	11	0.35 - 16	B12AC
L182V09-1-2450	1"	24/50	12VA	24	11	0.35 - 16	B12AE
L182V09-1-24	1"	24V DC	5.5W	24	11	0.35 - 16	B12AL

Tech Sheets 2121, 2122 & 2123

## Stainless Steel 2/2 N/O, Pilot Operated Solenoid Valves

Materials in contact with fluids.

**Body:** Stainless steel AISI 316

**Sealing:** FPM

**Internal Components:** Stainless steel

**Seat:** Stainless steel AISI 316

**Core Tube:** Stainless steel

**Shading Coil:** Copper

Supplied with DIN plugs



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M3/HR	Max Pressure Bar	Replacement Coil
L282V09-38-23050	3/8"	230/50	12VA	13.5	2.5	0.35 - 16	B12AA
L282V09-38-11050	3/8"	110/50	12VA	13.5	2.5	0.35 - 16	B12AC
L282V09-38-2450	3/8"	24/50	12VA	13.5	2.5	0.35 - 16	B12AE
L282V09-38-24	3/8"	24V DC	5.5W	13.5	2.5	0.35 - 16	B12AL
L282V09-12-23050	1/2"	230/50	12VA	13.5	3.8	0.35 - 16	B12AA
L282V09-12-11050	1/2"	110/50	12VA	13.5	3.8	0.35 - 16	B12AC
L282V09-12-2450	1/2"	24/50	12VA	13.5	3.8	0.35 - 16	B12AE
L282V09-12-24	1/2"	24V DC	5.5W	13.5	3.8	0.35 - 16	B12AL
L282V09-34-23050	3/4"	230/50	12VA	18	5	0.35 - 16	B12AA
L282V09-34-11050	3/4"	110/50	12VA	18	5	0.35 - 16	B12AC
L282V09-34-2450	3/4"	24/50	12VA	18	5	0.35 - 16	B12AE
L282V09-34-24	3/4"	24V DC	5.5W	18	5	0.35 - 16	B12AL
L282V09-1-23050	1"	230/50	12VA	24	11	0.35 - 16	B12AA
L282V09-1-11050	1"	110/50	12VA	24	11	0.35 - 16	B12AC
L282V09-1-2450	1"	24/50	12VA	24	11	0.35 - 16	B12AE
L282V09-1-24	1"	24V DC	5.5W	24	11	0.35 - 16	B12AL

Tech Sheet 2154



For Hose Reels  
see Section 7



# HYDRAULIC STAINLESS STEEL ADAPTORS

stainless steel



## Male x Male Straight Adaptors



### BSPP x BSPP

0044	Thread	Thread
2025-1401	1/8"	1/8"
2025-1419	1/4"	1/8"
2025-1427	1/4"	1/4"
2025-1435	3/8"	1/8"
2025-1443	3/8"	1/4"
2025-1450	3/8"	3/8"
2025-1468	1/2"	1/4"
2025-1476	1/2"	3/8"
2025-1484	1/2"	1/2"
2025-1495	5/8"	1/2"
2025-1505	5/8"	5/8"
2025-1520	3/4"	1/4"
2025-1526	3/4"	3/8"
2025-1534	3/4"	1/2"
2025-1538	3/4"	5/8"
2025-1559	3/4"	3/4"
2025-1567	1"	1/2"
2025-1572	1"	5/8"
2025-1583	1"	3/4"
2025-1591	1"	1"
2025-1595	1.1/4"	3/4"
2025-1600	1.1/4"	1"
2025-1609	1.1/4"	1.1/4"
2025-1611	1.1/2"	1"
2025-1615	1.1/2"	1.1/4"
2025-1617	1.1/2"	1.1/2"
2025-1620	2"	1.1/2"
2025-1625	2"	2"

Tech Sheet 20884



### BSPP x BSPT

0044	Thread
2033-9693	1/4"
2033-9761	3/8"
2033-9719	1/2"
2033-9727	3/4"
2033-9735	1"

Tech Sheet 20884



### BSPP x NPT

0044	BSPP Thread	NPT Thread
2025-1633	1/8"	1/8"
2025-1636	1/8"	1/4"
2025-1639	1/4"	1/8"
2025-1641	1/4"	1/4"
2025-1643	1/4"	3/8"
2025-1656	3/8"	1/4"
2025-1658	3/8"	3/8"
2025-1661	3/8"	1/2"
2025-1671	1/2"	3/8"
2025-1674	1/2"	1/2"
2025-1677	5/8"	1/2"
2025-1679	5/8"	3/4"
2025-1681	3/4"	1/2"
2025-1682	3/4"	3/4"
2025-1684	3/4"	1"
2025-1687	1"	3/4"
2025-1690	1"	1"
2025-1700	1.1/4"	1.1/4"
2025-1710	1.1/2"	1.1/2"
2025-1720	2"	2"

Tech Sheet 20884



### BSPT x BSPT

0044	Thread	Thread
2025-1708	1/8"	1/8"
2025-1715	1/4"	1/8"
2025-1724	1/4"	1/4"
2025-1727	3/8"	1/8"
2025-1732	3/8"	1/4"
2025-1740	3/8"	3/8"
2025-1845	1/2"	1/8"
2025-1852	1/2"	1/4"
2025-1856	1/2"	3/8"
2025-1865	1/2"	1/2"
2025-1881	3/4"	1/8"
2025-1885	3/4"	1/4"
2025-1889	3/4"	3/8"
2025-1894	3/4"	1/2"
2025-1898	3/4"	3/4"
2025-1905	1"	1/8"
2025-1910	1"	1/4"
2025-1915	1"	3/8"
2025-1920	1"	1/2"
2025-1925	1"	3/4"
2025-1931	1"	1"
2025-1935	1.1/4"	1"
2025-1940	1.1/4"	1.1/4"
2025-1945	1.1/2"	1"
2025-1950	1.1/2"	1.1/2"
2025-1956	2"	1"
2025-1960	2"	1.1/2"
2025-1965	2"	2"

Tech Sheet 20884



stainless steel

For 10,000 psi Rated, 316 Stainless Steel Adaptors see pages 219-231





# HYDRAULIC STAINLESS STEEL ADAPTORS

stainless  
steel



## Male x Female Straight Adaptors



### Male x Female Swivel, BSPP

0044	Male Thread	Female Thread
2025-1930	1/8"	1/8"
2025-1948	1/4"	1/4"
2025-1955	1/4"	3/8"
2025-1961	1/4"	1/2"
2025-1963	3/8"	1/4"
2025-1971	3/8"	3/8"
2025-1989	3/8"	1/2"
2025-1997	1/2"	3/8"
2025-2003	1/2"	1/2"
2025-2020	1/2"	3/4"
2025-2029	3/4"	1/2"
2025-2037	3/4"	3/4"
2025-2043	3/4"	1"
2025-2060	1"	1"

Tech Sheet 20884

### Male x Female Fixed, BSPP

0044	Male Thread	Female Thread
2025-8121	1/8"	1/8"
2025-8131	1/4"	1/8"
2025-8142	1/4"	1/4"
2025-8151	3/8"	1/8"
2025-8161	3/8"	1/4"
2025-8171	3/8"	3/8"
2025-8181	1/2"	1/4"
2025-8201	1/2"	3/8"
2025-8211	1/2"	1/2"
2025-8191	3/4"	1/4"
2025-8221	3/4"	3/8"
2025-8231	3/4"	1/2"
2025-8241	3/4"	3/4"
2025-8251	1"	1/2"
2025-8261	1"	1"
2025-8271	1"	3/4"
2025-8281	1.1/4"	1/2"
2025-8291	1.1/4"	3/4"
2025-8301	1.1/4"	1"
2025-8311	1.1/4"	1.1/4"
2025-8321	1.1/2"	3/4"
2025-8331	1.1/2"	1"
2025-8341	1.1/2"	1.1/2"
2025-8351	1.1/2"	1.1/4"
2025-8361	2"	2"

Tech Sheet 20884

### Female Swivel, BSPP x BSPT Male

0044	Thread
2033-9862	1/8"
2033-9867	1/4"
2033-9875	3/8"
2033-9883	1/2"
2033-9891	3/4"
2033-9896	1"

Tech Sheet 20884

## Female x Female Straight Adaptors



### Swivel, BSPP

0044	Thread	Thread
2025-2078	1/4"	1/4"
2025-2082	3/8"	1/4"
2025-2086	3/8"	3/8"
2025-2089	1/2"	1/4"
2025-2093	1/2"	3/8"
2025-2094	1/2"	1/2"
2025-2100	5/8"	5/8"
2025-2122	3/4"	1/2"
2025-2132	3/4"	3/4"
2025-2110	1"	1"

Tech Sheet 20884

### Fixed Female Hexagon Socket, BSPP

0044	Thread
2025-2466	1/8"
2025-2474	1/4"
2025-2482	3/8"
2025-2490	1/2"
2025-2508	3/4"
2025-2516	1"

Tech Sheet 20884

## Elbows



### Equal Elbow, BSPP

0044	Thread
2033-9922	1/8"
2033-9933	1/4"
2033-9941	3/8"
2033-9958	1/2"
2033-9962	5/8"
2033-9963	3/4"
2033-9974	1"
2033-9982	1.1/4"
2033-9992	1.1/2"

Tech Sheet 20884



### Male x Female Swivel, BSPP

0044	Thread
2025-2185	1/8"
2025-2193	1/4"
2025-2201	3/8"
2025-2219	1/2"
2025-2223	5/8"
2025-2227	3/4"
2025-2232	1"
2025-2240	1.1/4"
2025-2245	1.1/2"

Tech Sheet 20884



### Female Swivel, BSPP

0044	Thread
2025-2128	1/8"
2025-2136	1/4"
2025-2151	1/2"
2025-2169	3/4"

Tech Sheet 20884

# HYDRAULIC STAINLESS STEEL ADAPTORS

stainless steel



3



Stainless Steel Fittings & Valves



## Tees



### Male, BSPP

0044	Thread
2025-2321	1/8"
2025-2326	1/4"
2025-2334	3/8"
2025-2342	1/2"
2025-2449	3/4"
2025-2354	1"

Tech Sheet 20884



### Female Swivel Branch, BSPP

0044	Thread
2025-4001	1/8"
2025-4011	1/4"
2025-4021	3/8"
2025-4031	1/2"
2025-4041	3/4"
2025-4051	1"

Tech Sheet 20884



### Female Swivel, BSPP

0044	Thread
2025-2250	1/4"
2025-2258	3/8"
2025-2263	1/2"
2025-2273	5/8"
2025-2283	3/4"
2025-2293	1"

Tech Sheet 20884



### Female Swivel Run, BSPP

0044	Thread
2025-4501	1/8"
2025-4511	1/4"
2025-4521	3/8"
2025-4531	1/2"
2025-4541	3/4"
2025-4551	1"

Tech Sheet 20884

## Bulkhead complete with Locknut



### BSPP

0044	Thread
2025-2391	1/4"
2025-2409	3/8"
2025-2417	1/2"
2025-2425	5/8"
2025-2433	3/4"
2025-2441	1"
2025-2445	1.1/4"
2025-2450	1.1/2"

Tech Sheet 20884

## Plugs



### BSPP

0044	Thread
2033-4002	1/8"
2033-4012	1/4"
2033-4022	3/8"
2033-4032	1/2"
2033-4042	5/8"
2033-4052	3/4"
2033-4062	1"
2033-4072	1.1/4"
2033-4082	1.1/2"
2033-4092	2"

Tech Sheet 20884



### BSPT

0044	Thread
2025-2524	1/8"
2025-2532	1/4"
2025-2540	3/8"
2025-2557	1/2"
2025-2565	3/4"
2025-2573	1"
2025-2582	1.1/4"
2025-2592	1.1/2"
2025-2602	2"

Tech Sheet 20884

## Caps



### BSPP

0044	Thread
2033-8301	1/8"
2033-8311	1/4"
2033-8321	3/8"
2033-8331	1/2"
2033-8341	3/4"
2033-8351	1"

Tech Sheet 20884

# INTRODUCING TWIN FERRULE TUBE COMPRESSION FITTINGS

stainless  
steel



Panam Instrumentation tube fittings provide a zero leak proof seal which will withstand high pressure, impulse, vibration and temperature. These features offer high safety and maintenance free smooth working. Each component is precision machined to the most accurate tolerance; maintain TQM practices throughout manufacturing process.

The fittings are manufactured in accordance with ISO9001 quality standards and CE marking requirements with complete traceability records available upon request.

Available in 316 SS, Brass, CS, Monel materials in a variety of end connections. Straight fittings are machined from bar stock and shaped bodies are machined from forgings.

The fittings are used on instrumentation process control systems, analysers and environmental equipment in oil and gas, Petro-chemical, Power generation, Pulp and Paper industry and many more.

## Assembly Instructions

SIZE M6 thru M25  
(6mm-25mm)

SIZE M3 thru M4  
(3mm-4mm)



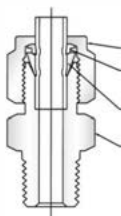
1-1/4 Turns from  
Finger Tight



Only 3/4 Turn from Finger Tight is  
necessary to seal and will result in  
additional remakes of the fitting

- 1 Insert the tubing in to the Tube Fitting until it comes up to the tube stop.
- 2 Ensure that the nut is finger tight and tighten the nut 1-1/4 turns as shown in figure.
- 3 For 1/8" and 3/16 Fittings only 3/4 turns as shown in Fig-3.

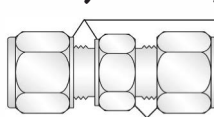
## Functions



- Compression nut Threads are silver plated which prevents galling.
- Back Ferrule locks together the fittings and tube forms a primary Seal which absorbs the pressure pulses and vibration.
- Front Ferrule Forms a secondary seal which connects tube and fitting and guarantees a bubble tight Zero Leak Sealing.
- Rugged body construction, high precision machined surface and standardised tolerances provides maximum trouble free service life in severe working conditions.

The above illustrates sealing action of a Tube Fitting assembly which takes place after the assembly is fully tightened

## Identification of Twin Ferrule Fittings



Metric Tube End  
with Stepped  
Shoulder on Nut  
and Fitting

Imperial Tube End

The Metric size of the Fittings have extra stepped shoulder on the body and nut to distinguish them from imperial size.

All Dimensions are in mm unless otherwise stated. Dimensions are for reference only, subject to change.

## Material Standards

Material	Bar Stock a	Forging b	Tubeing
316 Stainless Steel	ASTM A276 ASME SA479	ASTM A182 ASME SA182	ASME-SA-213 / ASTM-A-213/ ASTM-A-249 / ASTM-A-269 / MIL T-88504 / MIL T-8506
Brass	ASTM B16	ASTM B283	ASTM-B75 / ASME-SB75 (TEMPER "O")
Alloy 400	ASTM B164 ASME SB164	ASTM B564 ASME SB564	
Alloy 600	ASTM B166 ASME SB166	ASTM B564 ASME SB564	ASTM-B-163
Alloy C-276	ASTM B574	ASTM SB564	ASTM-B-622 / ASTM-B-626
Carbon Steel	ASTM A108		SAE J524b / SAE J525b / ASTM-A-179
PTFE	ASTM D1710	ASTM D3293	

A includes straight configuration

B includes all elbows, crosses and tees

## Stress Values based on ASME B31.3 Code for Process Piping

Material	Allowable Stress Value		Design Factor	Ultimate Tensile Strength	
	Psig	bar		Psig	bar
316SS	20000	1378	3.75:1	75000	5170
Brass	10000	689	4:1	40000	2760
Steel	20000	1378	3:1	60000	4140

## Pipe End Pressure Ratings

Calculations based on ASME B31.3  
code for Process Piping

NPT/ISO Pipe Size Inches	316 SS and Carbon Steel				Brass			
	Male		Female		Male		Female	
	Psig	bar	Psig	bar	Psig	bar	Psig	bar
1/16	11000	760	6700	460	5500	380	3300	230
1/8	10000	690	6500	440	5000	340	3200	220
1/4	8000	550	6600	450	4000	270	3300	220
5/8	7800	540	5300	360	3900	270	2600	180
1/2	7700	530	4900	330	3800	260	2400	160
3/4	7300	500	4600	320	3600	250	2300	160
1	5300	370	4400	300	2600	180	2200	150
1.1/4	6000	410	5000	350	3000	200	2500	170
1.1/2	5000	340	4600	310	2500	170	2300	150
2	3900	270	3900	270	1900	130	1900	130

To determine working pressure ratings in accordance with ASME B31.1 Power Piping For 316 stainless steel, multiply psig by 0.94; for carbon steel multiply psig by 0.75; Brass ratings remain the same. To determine working pressure kPa multiply psig by 6.89

## SAE Pressure Ratings

Pressure Ratings are  
from SAE J1926/3

SAE/MS Thread Size	316 SS and Carbon Steel			
	(Nonpositionable)		(Positionable)	
	Psig	bar	Psig	bar
5/16-24				
7/16-20			4568	315
1/2-20	4568	315		
9/16-18			3626	250
3/4-16				
7/8-14	3626	250	2900	200
1.1/16-12				
1.3/16-12	2900	200	2320	160
1.5/16-12				
1.5/8-12	2320	160	1813	125
1.7/8-12				
1.1/2-12	1813	125	1450	100

# 316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless steel



## Male Connectors



### Male Thread, NPT

0292	OD	Thread
MC-125-125N	1/8"	1/8"
MC-125-250N	1/8"	1/4"
MC-125-375N	1/8"	3/8"
MC-125-500N	1/8"	1/2"
MC-187-125N	3/16"	1/8"
MC-187-250N	3/16"	1/4"
MC-250-125N	1/4"	1/8"
MC-250-250N	1/4"	1/4"
MC-250-375N	1/4"	3/8"
MC-250-500N	1/4"	1/2"
MC-250-750N	1/4"	3/4"
MC-312-125N	5/16"	1/8"
MC-312-250N	5/16"	1/4"
MC-312-375N	5/16"	3/8"
MC-312-500N	5/16"	1/2"
MC-375-125N	5/16"	1/8"
MC-375-250N	3/8"	1/4"
MC-375-375N	3/8"	3/8"
MC-375-500N	3/8"	1/2"
MC-375-750N	3/8"	3/4"
MC-500-125N	1/2"	1/8"
MC-500-250N	1/2"	1/4"
MC-500-375N	1/2"	3/8"
MC-500-500N	1/2"	1/2"
MC-500-750N	1/2"	3/4"
MC-500-1000N	1/2"	1"
MC-625-375N	5/8"	3/8"
MC-625-500N	5/8"	1/2"
MC-625-750N	5/8"	3/4"
MC-750-500N	3/4"	1/2"
MC-750-750N	3/4"	3/4"
MC-750-1000N	3/4"	1"
MC-875-750N	7/8"	3/4"
MC-875-1000N	7/8"	1"
MC-1000-500N	1"	1/2"
MC-1000-750N	1"	3/4"
MC-1000-1000N	1"	1"

Tech Sheet 20234



### Male Thread, BSPT

0292	OD	Thread
MC-125-125RT	1/8"	1/8"
MC-125-250RT	1/8"	1/4"
MC-250-125RT	1/4"	1/8"
MC-250-250RT	1/4"	1/4"
MC-250-375RT	1/4"	3/8"
MC-250-500RT	1/4"	1/2"
MC-312-125RT	5/16"	1/8"
MC-312-250RT	5/16"	1/4"
MC-375-125RT	3/8"	1/8"
MC-375-250RT	3/8"	1/4"
MC-375-375RT	3/8"	3/8"
MC-375-500RT	3/8"	1/2"
MC-500-250RT	1/2"	1/4"
MC-500-375RT	1/2"	3/8"
MC-500-500RT	1/2"	1/2"
MC-500-750RT	1/2"	3/4"
MC-750-750RT	3/4"	3/4"
MC-1000-1000RT	1"	1"

Tech Sheet 20233



### Male Thread, SAE/MS

0292	OD	Thread
MC-125-312SE	1/8"	5/16"-24
MC-125-562SE	1/8"	9/16"-18
MC-250-437SE	1/4"	7/16"-20
MC-250-750SE	1/4"	3/4"-16
MC-250-875SE	1/4"	7/8"-14
MC-312-500SE	5/16"	1/2"-20
MC-375-437SE	3/8"	7/16"-20
MC-375-562SE	3/8"	9/16"-18
MC-375-750SE	3/8"	3/4"-16
MC-375-875SE	3/8"	7/8"-14
MC-500-562SE	1/2"	9/16"-18
MC-500-750SE	1/2"	3/4"-16
MC-500-875SE	1/2"	7/8"-14
MC-500-1062SE	1/2"	1.1/16"-12
MC-625-750SE	5/8"	3/4"-16
MC-625-875SE	5/8"	7/8"-14
MC-750-750SE	3/4"	3/4"-16
MC-750-1062SE	3/4"	1.1/16"-12
MC-875-1187SE	7/8"	1.3/16"-12
MC-1000-1062SE	1"	1.1/16"-12
MC-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20807



### Male Thread, SAE/MS (Long)

0292	OD	Thread
LMC-250-437SE	1/4"	7/16"-20
LMC-312-500SE	5/16"	1/2"-20
LMC-375-562SE	3/8"	9/16"-18
LMC-500-750SE	1/2"	3/4"-16
LMC-625-875SE	5/8"	7/8"-14
LMC-750-1062SE	3/4"	1.1/16"-12
LMC-875-1187SE	7/8"	1.3/16"-12
LMC-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20808



### Male Thread, SAE/MS (Captive Seal)

0292	OD	Thread
OMC-125-312SE	1/8"	5/16"-24
OMC-187-375SE	3/16"	3/8"-24
OMC-250-437SE	1/4"	7/16"-20
OMC-312-500SE	5/16"	1/2"-20
OMC-375-562SE	3/8"	9/16"-18
OMC-500-750SE	1/2"	3/4"-16
OMC-750-1062SE	3/4"	1.1/16"-12
OMC-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20809

### Male Thread, BSPP (Captive Seal)

0292	OD	Thread
OMC-250-250EO	1/4"	1/4"
OMC-250-500EO	1/4"	1/2"
OMC-375-375EO	3/8"	3/8"
OMC-500-250EO	1/2"	1/4"
OMC-500-375EO	1/2"	3/8"
OMC-500-500EO	1/2"	1/2"
OMC-750-750EO	3/4"	3/4"

Tech Sheet 20809



# 316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless  
steel



## Male Connectors

Stainless steel washer with a Viton inner ring.



### Male Thread-RS, BSPP

0292	OD	Thread
MC-125-125RS	1/8"	1/8"
MC-125-250RS	1/8"	1/4"
MC-125-375RS	1/8"	3/8"
MC-250-125RS	1/4"	1/8"
MC-250-250RS	1/4"	1/4"
MC-250-375RS	1/4"	3/8"
MC-250-500RS	1/4"	1/2"
MC-375-250RS	3/8"	1/4"
MC-375-375RS	3/8"	3/8"
MC-375-500RS	3/8"	1/2"
MC-500-250RS	1/2"	1/4"
MC-500-375RS	1/2"	3/8"
MC-500-500RS	1/2"	1/2"
MC-750-500RS	3/4"	1/2"
MC-750-750RS	3/4"	3/4"
MC-1000-500RS	1"	1/2"
MC-1000-1000RS	1"	1"

Tech Sheet 20810

## Female Connectors



### Female Thread, NPT

0292	OD	Thread
FC-125-125N	1/8"	1/8"
FC-125-250N	1/8"	1/4"
FC-187-125N	3/16"	1/8"
FC-250-125N	1/4"	1/8"
FC-250-250N	1/4"	1/4"
FC-250-375N	1/4"	3/8"
FC-250-500N	1/4"	1/2"
FC-312-125N	5/16"	1/8"
FC-312-250N	5/16"	1/4"
FC-312-375N	5/16"	3/8"
FC-375-125N	3/8"	1/8"
FC-375-250N	3/8"	1/4"
FC-375-375N	3/8"	3/8"
FC-375-500N	3/8"	1/2"
FC-375-750N	3/8"	3/4"
FC-500-250N	1/2"	1/4"
FC-500-375N	1/2"	3/8"
FC-500-500N	1/2"	1/2"
FC-500-750N	1/2"	3/4"
FC-625-375N	5/8"	3/8"
FC-625-500N	5/8"	1/2"
FC-625-750N	5/8"	3/4"
FC-750-500N	3/4"	1/2"
FC-750-750N	3/4"	3/4"
FC-875-750N	7/8"	3/4"
FC-1000-750N	1"	3/4"
FC-1000-1000N	1"	1"

Tech Sheet 20235

### Female Thread, BSPT

0292	OD	Thread
FC-250-125RT	1/4"	1/8"
FC-250-250RT	1/4"	1/4"
FC-250-375RT	1/4"	3/8"
FC-250-500RT	1/4"	1/2"
FC-375-250RT	3/8"	1/4"
FC-375-375RT	3/8"	3/8"
FC-375-500RT	3/8"	1/2"
FC-500-250RT	1/2"	1/4"
FC-500-375RT	1/2"	3/8"
FC-500-500RT	1/2"	1/2"

Tech Sheet 20237

### Female Thread, BSPP

0292	OD	Thread
FC-250-250RG	1/4"	1/4"
FC-250-375RG	1/4"	3/8"
FC-250-500RG	1/4"	1/2"
FC-312-250RG	5/16"	1/4"
FC-312-500RG	5/16"	1/2"
FC-375-250RG	3/8"	1/4"
FC-375-375RG	3/8"	3/8"
FC-375-500RG	3/8"	1/2"
FC-500-375RG	1/2"	3/8"
FC-500-500RG	1/2"	1/2"

Tech Sheet 20236

## Bulkhead Male Connectors



### Male Thread, NPT

0292	OD	Thread
BMC-125-125N	1/8"	1/8"
BMC-187-125N	3/16"	1/8"
BMC-250-125N	1/4"	1/8"
BMC-250-250N	1/4"	1/4"
BMC-250-375N	1/4"	3/8"
BMC-250-500N	1/4"	1/2"
BMC-312-125N	5/16"	1/8"
BMC-312-250N	5/16"	1/4"
BMC-375-125N	3/8"	1/8"
BMC-375-250N	3/8"	1/4"
BMC-375-375N	3/8"	3/8"
BMC-500-250N	1/2"	1/4"
BMC-500-375N	1/2"	3/8"
BMC-500-500N	1/2"	1/2"
BMC-500-750N	1/2"	3/4"
BMC-625-375N	5/8"	3/8"
BMC-625-500N	5/8"	1/2"
BMC-750-500N	3/4"	1/2"
BMC-750-750N	3/4"	3/4"
BMC-875-750N	7/8"	3/4"
BMC-1000-750N	1"	3/4"

Tech Sheet 20814

## Bulkhead Female Connectors



### Female Thread, NPT

0292	OD	Thread
BFC-125-125N	1/8"	1/8"
BFC-187-125N	3/16"	1/8"
BFC-250-125N	1/4"	1/8"
BFC-250-250N	1/4"	1/4"
BFC-312-125N	5/16"	1/8"
BFC-375-250N	3/8"	1/4"
BFC-500-375N	1/2"	3/8"
BFC-500-500N	1/2"	1/2"
BFC-625-500N	5/8"	1/2"
BFC-750-750N	3/4"	3/4"
BFC-875-750N	7/8"	3/4"
BFC-1000-1000N	1"	1"

Tech Sheet 20815

# 316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless steel



## Unions



### Tube x Tube

0292	OD
U-125	1/8"
U-187	3/16"
U-250	1/4"
U-312	5/16"
U-375	3/8"
U-500	1/2"
U-625	5/8"
U-750	3/4"
U-875	7/8"
U-1000	1"

Tech Sheet 20297



### Metric Tube x Imperial Tube

0292	OD mm	OD
U-3-125	3	1/8"
U-4-125	4	1/8"
U-4-250	4	1/4"
U-6-125	6	1/8"
U-6-250	6	1/4"
U-6-312	6	5/16"
U-8-250	8	1/4"
U-8-375	8	3/8"
U-10-125	10	1/8"
U-10-250	10	1/4"
U-10-312	10	5/16"
U-10-375	10	3/8"
U-12-312	12	5/16"
U-12-375	12	3/8"
U-12-500	12	1/2"
U-15-500	15	1/2"
U-18-750	18	3/4"
U-20-500	20	1/2"
U-20-1000	20	1"
U-25-1000	25	1"

Tech Sheet 20817

## Bulkhead Unions



### Tube x Tube

0292	OD
BU-125	1/8"
BU-187	3/16"
BU-250	1/4"
BU-312	5/16"
BU-375	3/8"
BU-500	1/2"
BU-625	5/8"
BU-750	3/4"
BU-1000	1"

Tech Sheet 20238

## Reducing Unions



### Tube x Tube

0292	OD	OD
RU-187-125	3/16"	1/8"
RU-250-125	1/4"	1/8"
RU-250-187	1/4"	3/16"
RU-312-125	5/16"	1/8"
RU-312-250	5/16"	1/4"
RU-375-125	3/8"	1/8"
RU-375-250	3/8"	1/4"
RU-375-312	3/8"	5/16"
RU-500-125	1/2"	1/8"
RU-500-250	1/2"	1/4"
RU-500-375	1/2"	3/8"
RU-625-375	5/8"	3/8"
RU-625-500	5/8"	1/2"
RU-750-250	3/4"	1/4"
RU-750-375	3/4"	3/8"
RU-750-500	3/4"	1/2"
RU-750-625	3/4"	5/8"
RU-1000-500	1"	1/2"
RU-1000-750	1"	3/4"

Tech Sheet 20298

## Male Branch Tees



### Male Thread, NPT

0292	OD	Thread
MBT-125-125N	1/8"	1/8"
MBT-125-250N	1/8"	1/4"
MBT-187-125N	3/16"	1/8"
MBT-250-125N	1/4"	1/8"
MBT-250-250N	1/4"	1/4"
MBT-312-125N	5/16"	1/8"
MBT-375-250N	3/8"	1/4"
MBT-375-375N	3/8"	3/8"
MBT-500-375N	1/2"	3/8"
MBT-500-500N	1/2"	1/2"
MBT-625-500N	5/8"	1/2"
MBT-750-750N	3/4"	3/4"

Tech Sheet 20240

## Male Positionable Branch Tees



### Male Thread, SAE/MS

0292	OD	Thread
MBTP-250-437SE	1/4"	7/16"-20
MBTP-375-562SE	3/8"	9/16"-18
MBTP-500-750SE	1/2"	3/4"-16
MBTP-750-1062SE	3/4"	1.1/16"-12
MBTP-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20821

### Male Thread, BSPP

0292	OD	Thread
MBTP-250-125PR	1/4"	1/8"
MBTP-250-250PR	1/4"	1/4"
MBTP-375-250PR	3/8"	1/4"
MBTP-500-375PR	1/2"	3/8"
MBTP-500-500PR	1/2"	1/2"
MBTP-625-500PR	5/8"	1/2"
MBTP-750-500PR	3/4"	1/2"
MBTP-750-750PR	3/4"	3/4"
MBTP-1000-1000PR	1"	1"

Tech Sheet 20822

## Male Run Tees



### Male Thread, NPT

0292	OD	Thread
MRT-125-125N	1/8"	1/8"
MRT-125-250N	1/8"	1/4"
MRT-187-125N	3/16"	1/8"
MRT-250-125N	1/4"	1/8"
MRT-250-250N	1/4"	1/4"
MRT-312-125N	5/16"	1/8"
MRT-375-250N	3/8"	1/4"
MRT-375-375N	3/8"	3/8"
MRT-500-375N	1/2"	3/8"
MRT-500-500N	1/2"	1/2"
MRT-625-500N	5/8"	1/2"
MRT-750-750N	3/4"	3/4"

Tech Sheet 20299



# 316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless  
steel



## Male Positionable Run Tees



### Male Thread, SAE/MS

0292	OD	Thread
M RTP-250-437SE	1/4"	7/16"-20
M RTP-375-562SE	3/8"	9/16"-18
M RTP-500-750SE	1/2"	3/4"-16
M RTP-750-1062SE	3/4"	1.1/16"-12
M RTP-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20824

### Male Thread, BSPP

0292	OD	Thread
M RTP-250-125PR	1/4"	1/8"
M RTP-250-250PR	1/4"	1/4"
M RTP-375-250PR	3/8"	1/4"
M RTP-500-375PR	1/2"	3/8"
M RTP-500-500PR	1/2"	1/2"
M RTP-625-500PR	5/8"	1/2"
M RTP-750-500PR	3/4"	1/2"
M RTP-750-750PR	3/4"	3/4"
M RTP-1000-1000PR	1"	1"

Tech Sheet 20825

## Female Branch Tees



### Female Thread, NPT

0292	OD	Thread
F BT-125-125N	1/8"	1/8"
F BT-250-125N	1/4"	1/8"
F BT-250-250N	1/4"	1/4"
F BT-375-250N	3/8"	1/4"
F BT-375-375N	3/8"	3/8"
F BT-375-500N	3/8"	1/2"
F BT-500-250N	1/2"	1/4"
F BT-500-375N	1/2"	3/8"
F BT-500-500N	1/2"	1/2"
F BT-625-500N	5/8"	1/2"
F BT-750-750N	3/4"	3/4"
F BT-1000-750N	1"	3/4"
F BT-1000-1000N	1"	1"

Tech Sheet 20826

## Female Run Tees



### Female Thread, NPT

0292	OD	Thread
F RT-125-125N	1/8"	1/8"
F RT-250-125N	1/4"	1/8"
F RT-250-250N	1/4"	1/4"
F RT-375-250N	3/8"	1/4"
F RT-500-375N	1/2"	3/8"
F RT-500-500N	1/2"	1/2"
F RT-750-750N	3/4"	3/4"
F RT-1000-750N	1"	3/4"
F RT-1000-1000N	1"	1"

Tech Sheet 20239

## Male Elbows



### Male Thread, NPT

0292	OD	Thread
M E-125-125N	1/8"	1/8"
M E-125-250N	1/8"	1/4"
M E-187-125N	3/16"	1/8"
M E-187-250N	3/16"	1/4"
M E-250-125N	1/4"	1/8"
M E-250-250N	1/4"	1/4"
M E-250-375N	1/4"	3/8"
M E-250-500N	1/4"	1/2"
M E-312-125N	5/16"	1/8"
M E-312-250N	5/16"	1/4"
M E-312-375N	5/16"	3/8"
M E-375-125N	3/8"	1/8"
M E-375-250N	3/8"	1/4"
M E-375-375N	3/8"	3/8"
M E-375-500N	3/8"	1/2"
M E-375-750N	3/8"	3/4"
M E-500-250N	1/2"	1/4"
M E-500-375N	1/2"	3/8"
M E-500-500N	1/2"	1/2"
M E-500-750N	1/2"	3/4"
M E-625-375N	5/8"	3/8"
M E-625-500N	5/8"	1/2"
M E-625-750N	5/8"	3/4"
M E-750-500N	3/4"	1/2"
M E-750-750N	3/4"	3/4"
M E-875-750N	7/8"	3/4"
M E-1000-750N	1"	3/4"
M E-1000-1000N	1"	1"

Tech Sheet 20295

### Male Thread, BSPT

0292	OD	Thread
M E-250-125RT	1/4"	1/8"
M E-250-250RT	1/4"	1/4"
M E-250-375RT	1/4"	3/8"
M E-250-500RT	1/4"	1/2"
M E-312-250RT	5/16"	1/4"
M E-375-250RT	3/8"	1/4"
M E-375-375RT	3/8"	3/8"

Tech Sheet 20294

## Female Elbows



### Female Thread, NPT

0292	OD	Thread
F E-125-125N	1/8"	1/8"
F E-125-250N	1/8"	1/4"
F E-187-125N	3/16"	1/8"
F E-250-125N	1/4"	1/8"
F E-250-250N	1/4"	1/4"
F E-250-375N	1/4"	3/8"
F E-250-500N	1/4"	1/2"
F E-312-125N	5/16"	1/8"
F E-312-250N	5/16"	1/4"
F E-375-125N	3/8"	1/8"
F E-375-250N	3/8"	1/4"
F E-375-375N	3/8"	3/8"
F E-375-500N	3/8"	1/2"
F E-500-250N	1/2"	1/4"
F E-500-375N	1/2"	3/8"
F E-500-500N	1/2"	1/2"
F E-625-375N	5/8"	3/8"
F E-625-500N	5/8"	1/2"
F E-750-500N	3/4"	1/2"
F E-750-750N	3/4"	3/4"
F E-875-750N	7/8"	3/4"
F E-1000-750N	1"	3/4"
F E-1000-1000N	1"	1"

Tech Sheet 20296

stainless  
steel



For Stainless Steel  
Clamps and Clips  
see Section 8

# 316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless steel



## Positionable Elbows



### Male Thread, SAE/MS

0292	OD	Thread
MEP-250-437SE	1/4"	7/16"-20
MEP-250-562SE	1/4"	9/16"-18
MEP-312-500SE	5/16"	1/2"-20
MEP-375-562SE	3/8"	9/16"-18
MEP-375-750SE	3/8"	3/4"-16
MEP-500-750SE	1/2"	3/4"-16
MEP-625-875SE	5/8"	7/8"-14
MEP-750-1062SE	3/4"	1.1/16"-12
MEP-875-1187SE	7/8"	1.3/16"-12
MEP-1000-1312SE	1"	1.5/16"-12

Tech Sheet 20831

### Male Thread, BSPP

0292	OD	Thread
MEP-250-125PR	1/4"	1/8"
MEP-250-250PR	1/4"	1/4"
MEP-375-250PR	3/8"	1/4"
MEP-375-375PR	3/8"	3/8"
MEP-500-250PR	1/2"	1/4"
MEP-500-375PR	1/2"	3/8"
MEP-500-500PR	1/2"	1/2"
MEP-625-500PR	5/8"	1/2"
MEP-750-500PR	3/4"	1/2"
MEP-750-750PR	3/4"	3/4"
MEP-1000-750PR	1"	3/4"
MEP-1000-1000PR	1"	1"

Tech Sheet 20832

## Union Elbows



### Tube x Tube

0292	OD
UE-125	1/8"
UE-187	3/16"
UE-250	1/4"
UE-312	5/16"
UE-375	3/8"
UE-500	1/2"
UE-625	5/8"
UE-750	3/4"
UE-875	7/8"
UE-1000	1"

Tech Sheet 20289

## Reducing Union Elbows



### Tube x Tube

0292	OD	OD
RUE-187-125	3/16"	1/8"
RUE-250-125	1/4"	1/8"
RUE-312-125	5/16"	1/8"
RUE-312-250	5/16"	1/4"
RUE-375-125	3/8"	1/8"
RUE-375-250	3/8"	1/4"
RUE-375-312	3/8"	5/16"
RUE-500-250	1/2"	1/4"
RUE-500-312	1/2"	5/16"
RUE-500-375	1/2"	3/8"
RUE-625-375	5/8"	3/8"
RUE-625-500	5/8"	1/2"
RUE-750-250	3/4"	1/4"
RUE-750-375	3/4"	3/8"
RUE-750-500	3/4"	1/2"
RUE-875-250	7/8"	1/4"
RUE-1000-500	1"	1/2"
RUE-1000-750	1"	3/4"

Tech Sheet 20835

## Union Tees



### Tube x Tube

0292	OD
UT-125	1/8"
UT-187	3/16"
UT-250	1/4"
UT-312	5/16"
UT-375	3/8"
UT-500	1/2"
UT-625	5/8"
UT-750	3/4"
UT-875	7/8"
UT-1000	1"

Tech Sheet 20288

## Reducing Branch, Union Tees



### Tube x Tube

0292	OD	OD
RUT-375-250	3/8"	1/4"
RUT-500-250	1/2"	1/4"
RUT-500-375	1/2"	3/8"
RUT-625-375	5/8"	3/8"
RUT-750-375	3/4"	3/8"
RUT-750-500	3/4"	1/2"
RUT-1000-375	1"	3/8"
RUT-1000-500	1"	1/2"
RUT-1000-750	1"	3/4"

Tech Sheet 20837

## Union Crosses



### Tube x Tube

0292	OD
UC-125	1/8"
UC-250	1/4"
UC-312	5/16"
UC-375	3/8"
UC-500	1/2"
UC-750	3/4"
UC-1000	1"

Tech Sheet 20290

## Bulkhead Reducing Unions



### Tube x Tube

0292	OD	OD
RBU-250-125	1/4"	1/8"
RBU-375-250	3/8"	1/4"
RBU-500-250	1/2"	1/4"

Tech Sheet 20833

# 316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless  
steel



## AN Unions



### Male Thread, AN

0292	OD	Thread
NU-125-125AN	1/8"	5/16"
NU-125-250AN	1/8"	7/16"
NU-250-250AN	1/4"	7/16"
NU-312-312AN	5/16"	1/2"
NU-375-250AN	3/8"	7/16"
NU-375-375AN	3/8"	9/16"
NU-500-500AN	1/2"	3/4"
NU-750-750AN	3/4"	1.1/16"
NU-1000-1000AN	1"	1.5/16"

Tech Sheet 20839

## AN Bulkhead Unions



### Male Thread, AN

0292	OD	Thread
ABU-250-250AN	1/4"	7/16"
ABU-375-375AN	3/8"	9/16"
ABU-500-500AN	1/2"	3/4"
ABU-750-750AN	3/4"	1.1/16"
ABU-1000-1000AN	1"	1.5/16"

Tech Sheet 20840

## Weld Union, Sockets



### Tube x Tube

0292	OD
SWU-125	1/8"
SWU-250	1/4"
SWU-375	3/8"
SWU-500	1/2"
SWU-750	3/4"
SWU-1000	1"

Tech Sheet 20841

stainless  
steel



For Stainless Steel  
Push in Fittings  
see Section 6

## Weld Elbow, Sockets



### Tube x Tube

0292	OD
SWE-250	1/4"
SWE-375	3/8"
SWE-500	1/2"
SWE-750	3/4"
SWE-1000	1"

Tech Sheet 20842

## Weld Union, Connectors



### Tube x Tube

0292	OD	Stem OD
MWC-125-125	1/8"	1/8"
MWC-187-125	3/16"	1/8"
MWC-250-125	1/4"	1/8"
MWC-250-250	1/4"	1/4"
MWC-312-125	5/16"	1/8"
MWC-312-250	5/16"	1/4"
MWC-375-250	3/8"	1/4"
MWC-375-375	3/8"	3/8"
MWC-375-500	3/8"	1/2"
MWC-375-750	3/8"	3/4"
MWC-500-375	1/2"	3/8"
MWC-500-500	1/2"	1/2"
MWC-500-750	1/2"	3/4"
MWC-625-500	5/8"	1/2"
MWC-750-750	3/4"	3/4"
MWC-1000-1000	1"	1"

Tech Sheet 20843

## Weld Elbow, Connectors



### Tube x Tube

0292	OD	Stem OD
MWE-250-125	1/4"	1/8"
MWE-250-250	1/4"	1/4"
MWE-375-250	3/8"	1/4"
MWE-500-500	1/2"	1/2"
MWE-750-750	3/4"	3/4"

Tech Sheet 20844

## Bulkhead Reducers



### Tube x Tube

0292	OD
BR-125	1/8"
BR-250	1/4"
BR-375	3/8"
BR-500	1/2"
BR-625	5/8"
BR-1000	1"

Tech Sheet 20287

## Reducers



### Tube x Tube

0292	OD	Stem OD
R-125-125	1/8"	1/8"
R-125-187	1/8"	3/16"
R-125-250	1/8"	1/4"
R-125-375	1/8"	3/8"
R-125-500	1/8"	1/2"
R-187-125	3/16"	1/8"
R-187-250	3/16"	1/4"
R-250-125	1/4"	1/8"
R-250-187	1/4"	3/16"
R-250-250	1/4"	1/4"
R-250-312	1/4"	5/16"
R-250-375	1/4"	3/8"
R-250-500	1/4"	1/2"
R-250-625	1/4"	5/8"
R-250-750	1/4"	3/4"
R-312-375	5/16"	3/8"
R-312-500	5/16"	1/2"
R-375-250	3/8"	1/4"
R-375-375	3/8"	3/8"
R-375-500	3/8"	1/2"
R-375-625	3/8"	5/8"
R-375-750	3/8"	3/4"
R-500-250	1/2"	1/4"
R-500-375	1/2"	3/8"
R-500-500	1/2"	1/2"
R-500-625	1/2"	5/8"
R-500-750	1/2"	3/4"
R-500-1000	1/2"	1"
R-625-750	5/8"	3/4"
R-625-875	5/8"	7/8"
R-625-1000	5/8"	1"
R-750-500	3/4"	1/2"
R-750-1000	3/4"	1"

Tech Sheet 20286

# 316 STAINLESS STEEL TWIN FERRULE IMPERIAL TUBE FITTINGS

stainless steel



## Ball Valves

Working Pressure:  
6000 psi



### Compression, 2 Way

0292	OD
BV6000-18	1/8"
BV6000-12	1/2"

Tech Sheet 20847

## Port Connectors



### Tube x Tube

0292	OD
PC-125	1/8"
PC-250	1/4"
PC-312	5/16"
PC-375	3/8"
PC-500	1/2"
PC-750	3/4"
PC-1000	1"

Tech Sheet 20378

## Reducing Port Connectors



### Tube x Tube

0292	OD	Stem OD
RPC-250-125	1/4"	1/8"
RPC-375-125	3/8"	1/8"
RPC-375-250	3/8"	1/4"
RPC-500-250	1/2"	1/4"
RPC-750-500	3/4"	1/2"
RPC-1000-500	1"	1/2"
RPC-1000-750	1"	3/4"

Tech Sheet 20849

## Caps



### Tube

0292	OD
C-125-FT	1/8"
C-187	3/16"
C-250	1/4"
C-312	5/16"
C-375	3/8"
C-500	1/2"
C-625	5/8"
C-750	3/4"
C-875	7/8"
C-1000	1"

Tech Sheet 20284

## Plugs



### Tube

0292	OD
P-125	1/8"
P-187	3/16"
P-250	1/4"
P-312	5/16"
P-375	3/8"
P-500	1/2"
P-625	5/8"
P-750	3/4"
P-875	7/8"
P-1000	1"

Tech Sheet 20282

## Nuts



### Tube

0292	OD
N-125-FT	1/8"
N-187	3/16"
N-250	1/4"
N-312	5/16"
N-375	3/8"
N-500	1/2"
N-625	5/8"
N-750	3/4"
N-875	7/8"
N-1000	1"

Tech Sheet 20283

## Back Ferrules



### Tube

0292	OD
BF-125	1/8"
BF-187	3/16"
BF-250	1/4"
BF-312	5/16"
BF-375	3/8"
BF-500	1/2"
BF-625	5/8"
BF-750	3/4"
BF-875	7/8"
BF-1000	1"

Tech Sheet 20285

## Front Ferrules



### Tube

0292	OD
FF-125	1/8"
FF-187	3/16"
FF-250	1/4"
FF-312	5/16"
FF-375	3/8"
FF-500	1/2"
FF-625	5/8"
FF-750	3/4"
FF-875	7/8"
FF-1000	1"

Tech Sheet 20854

## Lock Nuts



### To suit Bulkheads

0292	OD
BLN-125	1/8"
BLN-187	3/16"
BLN-250	1/4"
BLN-312	5/16"
BLN-375	3/8"
BLN-500	1/2"
BLN-625	5/8"
BLN-750	3/4"
BLN-875	7/8"
BLN-1000	1"

Tech Sheet 20855

# 316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless  
steel



## Male Connectors



### Male Thread, NPT

0292	OD mm	Thread
MC-3-125N	3	1/8"
MC-3-250N	3	1/4"
MC-4-125N	4	1/8"
MC-4-250N	4	1/4"
MC-6-125N	6	1/8"
MC-6-250N	6	1/4"
MC-6-375N	6	3/8"
MC-6-500N	6	1/2"
MC-8-125N	8	1/8"
MC-8-250N	8	1/4"
MC-8-375N	8	3/8"
MC-8-500N	8	1/2"
MC-10-125N	10	1/8"
MC-10-250N	10	1/4"
MC-10-375N	10	3/8"
MC-10-500N	10	1/2"
MC-10-750N	10	3/4"
MC-12-125N	12	1/8"
MC-12-250N	12	1/4"
MC-12-375N	12	3/8"
MC-12-500N	12	1/2"
MC-12-750N	12	3/4"
MC-14-250N	14	1/4"
MC-14-375N	14	3/8"
MC-14-500N	14	1/2"
MC-15-500N	15	1/2"
MC-16-375N	16	3/8"
MC-16-500N	16	1/2"
MC-16-750N	16	3/4"
MC-18-500N	18	1/2"
MC-18-750N	18	3/4"
MC-20-500N	20	1/2"
MC-20-750N	20	3/4"
MC-22-750N	22	3/4"
MC-22-1000N	22	1"
MC-25-500N	25	1/2"
MC-25-750N	25	3/4"
MC-25-1000N	25	1"

Tech Sheet 20281



### Male Thread, BSPT

0292	OD mm	Thread
MC-3-125RT	3	1/8"
MC-3-250RT	3	1/4"
MC-4-125RT	4	1/8"
MC-4-250RT	4	1/4"
MC-6-125RT	6	1/8"
MC-6-250RT	6	1/4"
MC-6-375RT	6	3/8"
MC-6-500RT	6	1/2"
MC-8-125RT	8	1/8"
MC-8-250RT	8	1/4"
MC-8-375RT	8	3/8"
MC-8-500RT	8	1/2"
MC-10-125RT	10	1/8"
MC-10-250RT	10	1/4"
MC-10-375RT	10	3/8"
MC-10-500RT	10	1/2"
MC-12-125RT	12	1/8"
MC-12-250RT	12	1/4"
MC-12-375RT	12	3/8"
MC-12-500RT	12	1/2"
MC-12-750RT	12	3/4"
MC-15-500RT	15	1/2"
MC-16-250RT	16	1/4"
MC-16-375RT	16	3/8"
MC-16-500RT	16	1/2"
MC-16-750RT	16	3/4"
MC-18-500RT	18	1/2"
MC-18-750RT	18	3/4"
MC-20-500RT	20	1/2"
MC-20-750RT	20	3/4"
MC-22-750RT	22	3/4"
MC-22-1000RT	22	1"
MC-25-750RT	25	3/4"
MC-25-1000RT	25	1"

Tech Sheet 20278



### Male Thread, BSPP (Captive Seal)

0292	OD mm	Thread
OMC-6-125EO	6	1/8"
OMC-6-250EO	6	1/4"
OMC-6-375EO	6	3/8"
OMC-6-500EO	6	1/2"
OMC-10-250EO	10	1/4"
OMC-10-375EO	10	3/8"
OMC-10-500EO	10	1/2"
OMC-12-250EO	12	1/4"
OMC-12-375EO	12	3/8"
OMC-12-500EO	12	1/2"

Tech Sheet 20856



### Male Thread-RS, BSPP

0292	OD mm	Thread
MC-3-125RS	3	1/8"
MC-3-250RS	3	1/4"
MC-4-125RS	4	1/8"
MC-6-125RS	6	1/8"
MC-6-250RS	6	1/4"
MC-6-375RS	6	3/8"
MC-6-500RS	6	1/2"
MC-8-125RS	8	1/8"
MC-8-250RS	8	1/4"
MC-8-375RS	8	3/8"
MC-8-500RS	8	1/2"
MC-10-250RS	10	1/4"
MC-10-375RS	10	3/8"
MC-10-500RS	10	1/2"
MC-12-250RS	12	1/4"
MC-12-375RS	12	3/8"
MC-12-500RS	12	1/2"
MC-12-750RS	12	3/4"
MC-16-375RS	16	3/8"
MC-16-500RS	16	1/2"
MC-18-500RS	18	1/2"
MC-18-750RS	18	3/4"
MC-20-500RS	20	1/2"
MC-20-750RS	20	3/4"
MC-22-750RS	22	3/4"
MC-22-1000RS	22	1"
MC-25-750RS	25	3/4"
MC-25-1000RS	25	1"

Tech Sheet 20279

**TYGRIS™**  
Cleaning Lubricating Protecting



For Tygris Product Range  
see Section 15

# 316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless steel



## Female Connectors



### Female Thread, NPT

0292	OD mm	Thread
FC-3-125N	3	1/8"
FC-3-250N	3	1/4"
FC-4-125N	4	1/8"
FC-6-125N	6	1/8"
FC-6-250N	6	1/4"
FC-6-375N	6	3/8"
FC-6-500N	6	1/2"
FC-8-125N	8	1/8"
FC-8-250N	8	1/4"
FC-8-375N	8	3/8"
FC-8-500N	8	1/2"
FC-10-250N	10	1/4"
FC-10-375N	10	3/8"
FC-10-500N	10	1/2"
FC-12-250N	12	1/4"
FC-12-375N	12	3/8"
FC-12-500N	12	1/2"
FC-15-500N	15	1/2"
FC-16-500N	16	1/2"
FC-20-500N	20	1/2"
FC-20-750N	20	3/4"
FC-22-750N	22	3/4"
FC-22-1000N	22	1"
FC-25-750N	25	3/4"
FC-25-1000N	25	1"

Tech Sheet 20275

### Female Thread, BSPP

0292	OD mm	Thread
FC-3-125RT	3	1/8"
FC-6-125RT	6	1/8"
FC-6-250RT	6	1/4"
FC-6-375RT	6	3/8"
FC-6-500RT	6	1/2"
FC-8-125RT	8	1/8"
FC-8-250RT	8	1/4"
FC-8-375RT	8	3/8"
FC-8-500RT	8	1/2"
FC-10-125RT	10	1/8"
FC-10-250RT	10	1/4"
FC-10-375RT	10	3/8"
FC-10-500RT	10	1/2"
FC-12-125RT	12	1/8"
FC-12-250RT	12	1/4"
FC-12-375RT	12	3/8"
FC-12-500RT	12	1/2"
FC-12-750RT	12	3/4"
FC-15-375RT	15	3/8"
FC-15-500RT	15	1/2"
FC-20-500RT	20	1/2"
FC-20-750RT	20	3/4"
FC-22-750RT	22	3/4"
FC-22-1000RT	22	1"
FC-25-750RT	25	3/4"
FC-25-1000RT	25	1"

Tech Sheet 20274



### Female Thread, BSPP

0292	OD mm	Thread
FC-3-250RG	3	1/4"
FC-6-250RG	6	1/4"
FC-6-375RG	6	3/8"
FC-6-500RG	6	1/2"
FC-8-250RG	8	1/4"
FC-8-375RG	8	3/8"
FC-8-500RG	8	1/2"
FC-10-250RG	10	1/4"
FC-10-375RG	10	3/8"
FC-10-500RG	10	1/2"
FC-12-250RG	12	1/4"
FC-12-375RG	12	3/8"
FC-12-500RG	12	1/2"
FC-20-500RG	20	1/2"
FC-22-500RG	22	1/2"

Tech Sheet 20273

## Bulkhead Male Connectors



### Male Thread, NPT

0292	OD mm	Thread
BMC-6-125N	6	1/8"
BMC-6-250N	6	1/4"
BMC-8-125N	8	1/8"
BMC-8-250N	8	1/4"
BMC-10-250N	10	1/4"
BMC-10-375N	10	3/8"
BMC-10-500N	10	1/2"
BMC-12-250N	12	1/4"
BMC-12-375N	12	3/8"
BMC-12-500N	12	1/2"

Tech Sheet 20276

## Bulkhead Female Connectors



### Female Thread, NPT

0292	OD mm	Thread
BFC-6-125N	6	1/8"
BFC-6-250N	6	1/4"
BFC-8-125N	8	1/8"
BFC-10-250N	10	1/4"
BFC-12-375N	12	3/8"
BFC-12-500N	12	1/2"

Tech Sheet 20277



# 316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless  
steel



## Unions



### Tube x Tube

0292	OD mm
U-3	3
U-4	4
U-6	6
U-8	8
U-10	10
U-12	12
U-15	15
U-16	16
U-18	18
U-20-FT	20
U-22	22
U-25	25

Tech Sheet 20266

## Reducing Unions



### Tube x Tube

0292	OD mm	OD mm
RU-6-3	6	3
RU-6-4	6	4
RU-8-6	8	6
RU-10-6	10	6
RU-10-8	10	8
RU-12-6	12	6
RU-12-8	12	8
RU-12-10	12	10
RU-16-10	16	10
RU-16-12	16	12
RU-18-12	18	12
RU-25-18	25	18
RU-25-20	25	20

Tech Sheet 20267

## Bulkhead Unions



### Tube x Tube

0292	OD mm
BU-3-FT	3
BU-4	4
BU-6	6
BU-8	8
BU-10	10
BU-12-FT	12
BU-14	14
BU-15	15
BU-16	16
BU-18	18
BU-20	20

Tech Sheet 20272

## Male Branch Tees



### Male Thread, NPT

0292	OD mm	Thread
MBT-6-125N	6	1/8"
MBT-6-250N	6	1/4"
MBT-8-125N	8	1/8"
MBT-8-250N	8	1/4"
MBT-10-250N	10	1/4"
MBT-12-250N	12	1/4"
MBT-12-375N	12	3/8"
MBT-12-500N	12	1/2"
MBT-16-500N	16	1/2"

Tech Sheet 20269

## Male Positionable Branch Tees



### Male Thread, BSPP

0292	OD mm	Thread
MBTP-6-125PR	6	1/8"
MBTP-6-250PR	6	1/4"
MBTP-8-125PR	8	1/8"
MBTP-8-250PR	8	1/4"
MBTP-10-250PR	10	1/4"
MBTP-12-375PR	12	3/8"
MBTP-12-500PR	12	1/2"

Tech Sheet 20861

## Male Run Tees



### Male Thread, NPT

0292	OD mm	Thread
MRT-6-125N	6	1/8"
MRT-6-250N	6	1/4"
MRT-8-250N	8	1/4"
MRT-12-250N	12	1/4"
MRT-12-375N	12	3/8"
MRT-12-500N	12	1/2"
MRT-16-500N	16	1/2"

Tech Sheet 20268

## Male Positionable Run Tees



### Male Thread, BSPP

0292	OD mm	Thread
MRTTP-6-125PR	6	1/8"
MRTTP-6-250PR	6	1/4"
MRTTP-8-125PR	8	1/8"
MRTTP-8-250PR	8	1/4"
MRTTP-10-250PR	10	1/4"
MRTTP-12-375PR	12	3/8"
MRTTP-12-500PR	12	1/2"

Tech Sheet 20863

## Female Branch Tees



### Female Thread, NPT

0292	OD mm	Thread
FBT-6-125N	6	1/8"
FBT-6-250N	6	1/4"
FBT-8-125N	8	1/8"
FBT-8-250N	8	1/4"
FBT-10-250N	10	1/4"
FBT-12-250N	12	1/4"
FBT-12-375N	12	3/8"
FBT-16-500N	16	1/2"

Tech Sheet 20271

## Female Run Tees



### Female Thread, NPT

0292	OD mm	Thread
FRT-6-125N	6	1/8"
FRT-6-250N	6	1/4"
FRT-8-125N	8	1/8"
FRT-8-250N	8	1/4"
FRT-10-250N	10	1/4"
FRT-12-250N	12	1/4"
FRT-12-375N	12	3/8"
FRT-16-500N	16	1/2"

Tech Sheet 20270

# 316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless steel



## Male Elbows



### Male Thread, NPT

0292	OD mm	Thread
ME-3-250N	3	1/4"
ME-4-125N	4	1/8"
ME-4-250N	4	1/4"
ME-6-125N	6	1/8"
ME-6-250N	6	1/4"
ME-6-375N	6	3/8"
ME-6-500N	6	1/2"
ME-8-125N	8	1/8"
ME-8-250N	8	1/4"
ME-8-375N	8	3/8"
ME-8-500N	8	1/2"
ME-10-250N	10	1/4"
ME-10-375N	10	3/8"
ME-10-500N	10	1/2"
ME-12-250N	12	1/4"
ME-12-375N	12	3/8"
ME-12-500N	12	1/2"
ME-12-750N	12	3/4"
ME-15-500N	15	1/2"
ME-16-375N	16	3/8"
ME-16-500N	16	1/2"
ME-16-750N	16	3/4"
ME-18-500N	18	1/2"
ME-18-750N	18	3/4"
ME-20-500N	20	1/2"
ME-22-750N	22	3/4"
ME-22-1000N	22	1"
ME-25-750N	25	3/4"
ME-25-1000N	25	1"

Tech Sheet 20264



### Male Thread, BSPT

0292	OD mm	Thread
ME-3-125RT	3	1/8"
ME-3-250RT	3	1/4"
ME-4-125RT	4	1/8"
ME-4-250RT	4	1/4"
ME-6-125RT	6	1/8"
ME-6-250RT	6	1/4"
ME-6-375RT	6	3/8"
ME-6-500RT	6	1/2"
ME-8-125RT	8	1/8"
ME-8-250RT	8	1/4"
ME-8-375RT	8	3/8"
ME-8-500RT	8	1/2"
ME-10-250RT	10	1/4"
ME-10-375RT	10	3/8"
ME-10-500RT	10	1/2"
ME-12-250RT	12	1/4"
ME-12-375RT	12	3/8"
ME-12-500RT	12	1/2"
ME-12-750RT	12	3/4"
ME-16-375RT	16	3/8"
ME-16-500RT	16	1/2"
ME-18-500RT	18	1/2"
ME-18-750RT	18	3/4"
ME-20-500RT	20	1/2"
ME-20-750RT	20	3/4"
ME-22-750RT	22	3/4"
ME-22-1000RT	22	1"
ME-25-750RT	25	3/4"
ME-25-1000RT	25	1"

Tech Sheet 20263

## Female Elbows



### Female Thread, NPT

0292	OD mm	Thread
FE-6-125N	6	1/8"
FE-6-250N	6	1/4"
FE-6-500N	6	1/2"
FE-8-250N	8	1/4"
FE-10-125N	10	1/8"
FE-10-250N	10	1/4"
FE-12-250N	12	1/4"
FE-12-375N	12	3/8"
FE-12-500N	12	1/2"
FE-16-500N	16	1/2"

Tech Sheet 20265



### Male Thread, BSPP

0292	OD mm	Thread
MEP-6-125PR	6	1/8"
MEP-6-250PR	6	1/4"
MEP-8-125PR	8	1/8"
MEP-8-250PR	8	1/4"
MEP-10-250PR	10	1/4"
MEP-10-375PR	10	3/8"
MEP-12-250PR	12	1/4"
MEP-12-375PR	12	3/8"
MEP-12-500PR	12	1/2"
MEP-12-750PR	12	3/4"

Tech Sheet 20265

## Positionable Elbows

## Union Elbows



### Tube x Tube

0292	OD mm
UE-3	3
UE-4	4
UE-6	6
UE-8	8
UE-10	10
UE-12	12
UE-14	14
UE-15	15
UE-16	16
UE-18	18
UE-20	20
UE-22	22
UE-25	25

Tech Sheet 20261

## Union Tees



### Tube x Tube

0292	OD mm
UT-3	3
UT-4	4
UT-6	6
UT-8	8
UT-10	10
UT-12	12
UT-14	14
UT-15	15
UT-16	16
UT-18	18
UT-20	20
UT-22	22
UT-25	25

Tech Sheet 20260

## Union Crosses



### Tube x Tube

0292	OD mm
UC-3	3
UC-6	6
UC-8	8
UC-10	10
UC-12	12
UC-16	16
UC-18	18
UC-20	20
UC-25	25

Tech Sheet 20262

# 316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless  
steel



## Weld Union, Connectors



### Tube x Tube

0292	OD mm	Stem OD
MWC-3-125	3	1/8"
MWC-4-125	4	1/8"
MWC-6-125	6	1/8"
MWC-6-250	6	1/4"
MWC-8-125	8	1/8"
MWC-8-250	8	1/4"
MWC-8-500	8	1/2"
MWC-10-250	10	1/4"
MWC-10-500	10	1/2"
MWC-12-250	12	1/4"
MWC-12-375	12	3/8"
MWC-12-500	12	1/2"
MWC-14-375	14	3/8"
MWC-15-500	15	1/2"
MWC-16-500	16	1/2"
MWC-18-500	18	1/2"

Tech Sheet 20873

## Port Connectors



### Tube x Tube

0292	OD mm
PC-3	3
PC-6	6
PC-8	8
PC-10	10
PC-12-FT	12
PC-15-FT	15
PC-16	16
PC-18-FT	18
PC-20	20
PC-25	25

Tech Sheet 20874

## Reducing Port Connectors



### Tube x Tube

0292	OD mm	Stem OD mm
RPC-6-3	6	3
RPC-8-6	8	6
RPC-10-6	10	6
RPC-10-8	10	8
RPC-12-6	12	6
RPC-12-8	12	8
RPC-12-10	12	10
RPC-16-12	16	12

Tech Sheet 20875

## Reducers



### Tube x Tube

0292	OD mm	Stem OD mm
R-3-4	3	4
R-3-6	3	6
R-3-10	3	10
R-4-6	4	6
R-6-3	6	3
R-6-8	6	8
R-6-10	6	10
R-6-12	6	12
R-6-18	6	18
R-8-6	8	6
R-8-10	8	10
R-8-12	8	12
R-10-6	10	6
R-10-12	10	12
R-10-15	10	15
R-10-18	10	18
R-12-6	12	6
R-12-8	12	8
R-12-10	12	10
R-12-16	12	16
R-12-18	12	18
R-12-20	12	20
R-12-22	12	22
R-12-25	12	25
R-16-12	16	12
R-18-12	18	12
R-18-16	18	16
R-18-20	18	20
R-18-22	18	22
R-18-25	18	25
R-20-16	20	16
R-20-22	20	22
R-20-25	20	25
R-22-18	22	18
R-22-20	22	20
R-22-25	22	25
R-25-18	25	18
R-25-20	25	20

Tech Sheet 20258



### Metric Tube x Imperial Tube

0292	OD mm	Stem OD
R-3-125	3	1/8"
R-3-250	3	1/4"
R-4-250	4	1/4"
R-6-125	6	1/8"
R-6-250	6	1/4"
R-6-312	6	5/16"
R-6-375	6	3/8"
R-6-500	6	1/2"
R-8-375	8	3/8"
R-8-500	8	1/2"
R-10-375	10	3/8"
R-10-500	10	1/2"
R-12-500	12	1/2"
R-12-750	12	3/4"
R-18-750	18	3/4"
R-25-1000	25	1"

Tech Sheet 20877

## Caps



### Tube

0292	OD mm
C-3	3
C-4	4
C-6	6
C-8	8
C-10	10
C-12	12
C-14	14
C-15	15
C-16	16
C-18	18
C-20	20
C-22	22
C-25	25

Tech Sheet 20259

# 316 STAINLESS STEEL TWIN FERRULE METRIC TUBE FITTINGS

stainless steel



## Plugs



### Tube

0292	OD mm
P-3-FT	3
P-4	4
P-6-FT	6
P-8	8
P-10	10
P-12	12
P-15	15
P-16	16
P-18	18
P-20	20
P-22	22
P-25	25

Tech Sheet 20254

## Back Ferrules



### Tube

0292	OD mm
BF-3	3
BF-4	4
BF-6	6
BF-8	8
BF-10	10
BF-12	12
BF-14	14
BF-15	15
BF-16	16
BF-18	18
BF-20	20
BF-22	22
BF-25	25

Tech Sheet 20257

## Lock Nuts



### To suit Bulkheads

0292	OD mm
BLN-3	3
BLN-4	4
BLN-6	6
BLN-8	8
BLN-10-FT	10
BLN-12-FT	12
BLN-14	14
BLN-16-FT	16
BLN-18	18
BLN-20-FT	20

Tech Sheet 20883

## Nuts



### Tube

0292	OD mm
N-3	3
N-4	4
N-6	6
N-8	8
N-10	10
N-12	12
N-15	15
N-16	16
N-18	18
N-20	20
N-25	25

Tech Sheet 20255

## Front Ferrules



### Tube

0292	OD mm
FF-3	3
FF-4	4
FF-6	6
FF-8	8
FF-10	10
FF-12	12
FF-14	14
FF-15	15
FF-16	16
FF-18	18
FF-20	20
FF-22	22
FF-25	25

Tech Sheet 20256

# Stainless Steel Instrumentation Pipe Fittings Range

stainless  
steel

## Twin Ferrule Pipe Fittings, Metric & Imperial

Our twin ferrule instrumentation fittings provide a leak-proof seal for high pressure systems and are designed to work at an optimum level in environments with vibration, impulse surges and varied temperatures. All are manufactured in accordance to ISO9001 quality standard and CE marking requirements.



## 10K Stainless Adaptor Range

Our 10,000 psi fittings are manufactured to the highest quality in the UK. 10K fittings, as they are more commonly known, are suited to all hydraulic and instrumentation high pressure applications with varied threads.



## Glycerine Filled Gauges

A full range of glycerine filled gauges stainless with pressures ranging up to 600 bar in bottom and back entry. All cases and accessories supplied in stainless steel.



## Stainless Steel Tube

Seamless tube to ASTM A213/A269  
Type 316L, metric and imperial  
OD in both 3 and 6 metre lengths.



In-house tube manipulation & welding service available



## 316 Stainless Steel Tube

3 metre lengths next day.

6 metre lengths may take up to 3 working days to be delivered, dependant on weight and delivery address location. Additional carriage charges may apply.

For full details please contact our Business Development Team.

Minimum of 10 lengths is advised up to 8mm to prevent damage in transit.



### Seamless ASTM A269, Metric, 6 Metre Lengths

0214	OD mm	Wall Thickness mm	Max Pressure Bar
765-0610-6M	6	1	428
765-6X1.5-6M	6	1.5	627
765-0810-6M	8	1	321
765-8X1.5-6M	8	1.5	472
765-1013-6M	10	1	257
765-10X1.5-6M	10	1.5	385
765-12X1.5-6M	12	1.5	321
765-1515-6M	15	1.5	257
765-16X1.5-6M	16	1.5	235
765-1602-6M	16	2	321
765-20X2-6M	20	2	257
765-25X2.5-6M	25	2.5	210
765-30X3-6M	30	3	257

Tech Sheet 831

### Seamless ASTM A269, Metric, 3 Metre Lengths, Random

0214	OD mm	Wall Thickness mm	Max Pressure Bar
765-0610	6	1	428
765-6X1.5	6	1.5	627
765-6X2	6	2	942
765-0813	8	1	321
765-8X1.5	8	1.5	472
765-8X2	8	2	706
765-1013	10	1	257
765-10X1.5	10	1.5	385
765-10X2	10	2	564
765-1213	12	1	210
765-12X1.5	12	1.5	321
765-12X2	12	2	420
765-1513	15	1	200
765-15X1.5	15	1.5	257
765-15X2	15	2	376
765-16X1.5	16	1.5	235
765-16X2	16	2	321
765-18X1.5	18	1.5	235
765-18X2	18	2	314
765-20X1.5	20	1.5	212
765-20X2	20	2	257
765-20X3	20	3	424
765-22X1.5	22	1.5	193
765-22X2	22	2	256
765-25X1.5	25	1.5	169
765-25X2	25	2	226
765-25X2.5	25	2.5	210
765-25X3	25	3	339
765-28X2	28	2	201
765-30X3	30	3	257
765-35X3	35	3	242
765-42X3	42	3	201

Tech Sheet 831

### Seamless ASTM A269, Imperial, 3 Metre Lengths, Random

0214	OD	SWG	Max Pressure Bar
2020-1372	1/8"	20	718
2020-1380	1/4"	20	360
2020-1406	3/8"	20	240
2020-1414	1/2"	20	180
2020-1422	3/4"	20	120
2020-1430	1"	20	90

Tech Sheet 831

### Seamless ASTM A269, Imperial, 6 Metre Lengths, Random

0214	OD	SWG	Max Pressure Bar
2020-1372-6M	1/8"	20	750
2020-1380-6M	1/4"	20	360
2020-1406-6M	3/8"	20	240
2020-1414-6M	1/2"	20	180
2020-1422-6M	3/4"	20	120
2020-1430-6M	1"	20	90

Tech Sheet 831



You might also need...  
**Stainless Steel Fittings**  
 see pages 215-217



# BS TYPE, 316L HYGIENIC PIPE FITTINGS

stainless  
steel

**JAYMAC**  
Industrial Hose & Accessories

## Elbows



### 90° Bends, Long

0706	OD
BSL2S-316-1	1"
BSL2S-316-1.5	1.1/2"
BSL2S-316-2	2"
BSL2S-316-2.5	2.1/2"
BSL2S-316-3	3"
BSL2S-316-4	4"

Tech Sheet 68082



### 90° Bends, Short

0706	OD
BS2WCL-316-1	1"
BS2WCL-316-1.5	1.1/2"
BS2WCL-316-2	2"
BS2WCL-316-2.5	2.1/2"
BS2WCL-316-3	3"
BS2WCL-316-4	4"

Tech Sheet 68082



### 45° Bends, Long

0706	OD
BSL2KS-316-1	1"
BSL2KS-316-1.5	1.1/2"
BSL2KS-316-2	2"
BSL2KS-316-2.5	2.1/2"
BSL2KS-316-3	3"
BSL2KS-316-4	4"

Tech Sheet 68082

## Tees



### Short Tees

0706	OD
BS7WWW-316-12	1/2"
BS7WWW-316-34	3/4"
BS7WWW-316-1	1"
BS7WWW-316-1.5	1.1/2"
BS7WWW-316-2	2"
BS7WWW-316-2.5	2.1/2"
BS7WWW-316-3	3"
BS7WWW-316-4	4"

Tech Sheet 68082



### Pulled Tees

0706	OD
BS7WWO-316-1	1"
BS7WWO-316-1.5	1.1/2"
BS7WWO-316-2	2"
BS7WWO-316-2.5	2.1/2"
BS7WWO-316-3	3"
BS7WWO-316-4	4"

Tech Sheet 68082

## Reducers



### Concentric Reducing Cones

0706	OD A	OD B
BSL31-316-1X0.5	1"	1/2"
BSL31-316-1.5X1	1.1/2"	1"
BSL31-316-2X1	2"	1"
BSL31-316-2X1.5	2"	1.1/2"
BSL31-316-2.5X1	2.1/2"	1"
BSL31-316-2.5X1.5	2.1/2"	1.1/2"
BSL31-316-2.5X2	2.1/2"	2"
BSL31-316-3X1	3"	1"
BSL31-316-3X1.5	3"	1.1/2"
BSL31-316-3X2	3"	2"
BSL31-316-3X2.5	3"	2.1/2"
BSL31-316-4X1.5	4"	1.1/2"
BSL31-316-4X2	4"	2"
BSL31-316-4X2.5	4"	2.1/2"
BSL31-316-4X3	4"	3"

Tech Sheet 68082



### Eccentric Reducing Cones

0706	OD A	OD B
BSL32-3160.75X0.5	3/4"	1/2"
BSL32-316-1X0.5	1"	1/2"
BSL32-316-1.5X1	1.1/2"	1"
BSL32-316-2X1	2"	1"
BSL32-316-2X1.5	2"	1.1/2"
BSL32-316-2.5X1	2.1/2"	1"
BSL32-316-2.5X1.5	2.1/2"	1.1/2"
BSL32-316-2.5X2	2.1/2"	2"
BSL32-316-3X1	3"	1"
BSL32-316-3X1.5	3"	1.1/2"
BSL32-316-3X2	3"	2"
BSL32-316-3X2.5	3"	2.1/2"
BSL32-316-4X1.5	4"	1.1/2"
BSL32-316-4X2	4"	2"
BSL32-316-4X2.5	4"	2.1/2"
BSL32-316-4X3	4"	3"

Tech Sheet 68082

# BS TYPE, 316L HYGIENIC PIPE FITTINGS

stainless  
steel

**JAYMAC**  
Industrial Hose & Accessories

3



Stainless Steel Fittings & Valves



## IDF Weld Fittings



### Hex Nut

0706	Size
BSIDF-13H-1	1"
BSIDF-13H-1.5	1.1/2"
BSIDF-13H-2	2"
BSIDF-13H-2.5	2.1/2"
BSIDF-13H-3	3"
BSIDF-13H-4	4"

Tech Sheet 68081



### Welding Male

0706	Size
BSIDF-15-1	1"
BSIDF-15-1.5	1.1/2"
BSIDF-15-2	2"
BSIDF-15-2.5	2.1/2"
BSIDF-15-3	3"
BSIDF-15-4	4"

Tech Sheet 68081



### Welding Liner

0706	Size
BSIDF-14-1	1"
BSIDF-14-1.5	1.1/2"
BSIDF-14-2	2"
BSIDF-14-2.5	2.1/2"
BSIDF-14-3	3"
BSIDF-14-4	4"

Tech Sheet 68081



### EPDM Seal

0706	Size
BSIDF-SEAL-1	1"
BSIDF-SEAL-1.5	1.1/2"
BSIDF-SEAL-2	2"
BSIDF-SEAL-2.5	2.1/2"
BSIDF-SEAL-3	3"
BSIDF-SEAL-4	4"

Tech Sheet 68081

## RJT Weld Fittings



### Hex Nut

0706	Size
BSRJT-13H-1	1"
BSRJT-13H-1.5	1.1/2"
BSRJT-13H-2	2"
BSRJT-13H-2.5	2.1/2"
BSRJT-13H-3	3"
BSRJT-13H-4	4"

Tech Sheet 68081



### Welding Male

0706	Size
BSRJT-15-1	1"
BSRJT-15-1.5	1.1/2"
BSRJT-15-2	2"
BSRJT-15-2.5	2.1/2"
BSRJT-15-3	3"
BSRJT-15-4	4"

Tech Sheet 68081



### Welding Liner

0706	Size
BSRJT-14-1	1"
BSRJT-14-1.5	1.1/2"
BSRJT-14-A2	2"
BSRJT-14-2.5	2.1/2"
BSRJT-14-3	3"
BSRJT-14-4	4"

Tech Sheet 68081



### Blanking Nut

0706	Size
BSRJT-13HBN-1	1"
BSRJT-13HBN-1.5	1.1/2"
BSRJT-13HBN-2	2"
BSRJT-13HBN-2.5	2.1/2"
BSRJT-13HBN-3	3"
BSRJT-13HBN-4	4"

Tech Sheet 68081



### EPDM Seal

0706	Size
BSRJT-SEAL-1	1"
BSRJT-SEAL-1.5	1.1/2"
BSRJT-SEAL-2	2"
BSRJT-SEAL-2.5	2.1/2"
BSRJT-SEAL-3	3"
BSRJT-SEAL-4	4"

Tech Sheet 68081

## RJT Fittings

Most process lines have to be frequently dismantled for cleaning and all ranges of our hygienic fittings are suitable for this purpose.

IDF unions provide an alternative security and limit unauthorised access.

Clamp unions provide a crevice free connection with a rapid break down and assembly, with no tools required.

Sizes to suit OD tube.

RJT unions are probably the most widely used for frequent break down and cleaning.



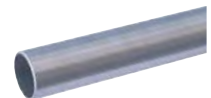
### RJT Spanner

0147	Size
RJT-SPANNER-1.0	1"
RJT-SPANNER-1.5	1.1/2"
RJT-SPANNER-2	2"
RJT-SPANNER-2.5	2.1/2"
RJT-SPANNER-3	3"
RJT-SPANNER-4	4"

Tech Sheet 68081

## Hygienic Tube

N.B. Delivery may take up to 48 hours.

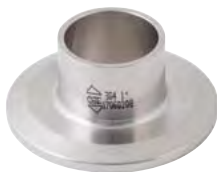


### 3 Metre Lengths

0214	Size
ODT316L-W-H-1.0	1"
ODT316L-W-H-1.5	1.1/2"
ODT316L-W-H-2	2"
ODT316L-W-H-2.5	2.1/2"
ODT316L-W-H-3	3"
ODT316L-W-H-4	4"

Tech Sheet 68081

## Clamp Fittings



## Weld Ferrule

0707	Clamp Size
14MMP-0.5	1/2"
14MMP-0.75	3/4"
14MMP-1	1"
14MMP-1.5	1.1/2"
14MMP-2	2"
14MMP-2.5	2.1/2"
14MMP-3	3"
14MMP-4	4"

Tech Sheet 68084



## Male Adaptor, NPT

0707	Clamp Size	Thread	Length mm
21MPB-0.5	1/2"	1/2"	45
21MPB-A0.75	3/4"	3/4"	45
21MPB-1	1"	1"	50
21MPB-1.5	1.1/2"	1.1/2"	50
21MPB-2	2"	2"	55

Tech Sheet 68084



## Female Adaptor, NPT

0707	Clamp Size	Thread	Length mm
22MPB-0.5	1/2"	1/2"	33
22MPB-0.75	3/4"	3/4"	33
22MPB-1	1"	1"	39
22MPB-1.5	1.1/2"	1.1/2"	39
22MPB-2	2"	2"	39

Tech Sheet 68084



## Heavy-duty Single Pin Clamp

0707	Clamp Size
13MHH-2.5	2.1/2"
13MHH-0.5	1/2" - 3/4"
13MHH-1	1" - 1.1/2"
13MHH-2	2"
13MHH-3	3"
13MHH-4	4"

Tech Sheet 68084



## Heavy-duty Double Pin Clamp

0707	Clamp Size
13MHHM-1	1" - 1.1/2"
13MHHM-2	2"
13MHHM-2.5	2.1/2"
13MHHM-3	3"
13MHHM-4	4"

Tech Sheet 68084



## End Cap

0707	Clamp Size
16AMP-0.5	1/2" - 3/4"
16AMP-1	1" - 1.1/2"
16AMP-2	2"
16AMP-2.5	2.1/2"
16AMP-3	3"
16AMP-4	4"

Tech Sheet 68084



## Clamp Joint Seal, EPDM

0707	Clamp Size
13PG-0.5	1/2"
13PG-0.75	3/4"
13PG-1	1"
13PG-1.5	1.1/2"
13PG-2	2"
13PG-2.5	2.1/2"
13PG-3	3"
13PG-4	4"

Tech Sheet 68084



## Ball Valves



### 2 Way, Weld End

0708	OD	OD mm	DN Size	ISO 5211 Connection	Length mm
<b>HSBVWE-12</b>	1/2"	12.7	15	F03	89
<b>HSBVWE-34</b>	3/4"	19.05	20	F03	101
<b>HSBVWE-1</b>	1"	25.4	25	F04	114
<b>HSBVWE-112</b>	1.1/2"	38.1	40	F05	140
<b>HSBVWE-2</b>	2"	50.8	50	F05	156
<b>HSBVWE-212</b>	2.1/2"	63.5	65	F07	197
<b>HSBVWE-3</b>	3"	76.2	80	F07	229
<b>HSBVWE-4</b>	4"	101.6	100	F10	242.7

Tech Sheet 68171



### 2 Way, Clamp End

0708	Clamp Size	DN Size	ISO 5211 Connection	Length mm
<b>HSBVCE-12</b>	1/2"	15	F03	89
<b>HSBVCE-34</b>	3/4"	20	F03	101
<b>HSBVCE-1</b>	1"	25	F04	114
<b>HSBVCE-112</b>	1.1/2"	40	F05	140
<b>HSBVCE-2</b>	2"	50	F05	156
<b>HSBVCE-212</b>	2.1/2"	65	F07	197
<b>HSBVCE-3</b>	3"	80	F07	229
<b>HSBVCE-4</b>	4"	100	F10	242.7

Tech Sheet 68171



## Weld Liner



### Stainless Steel

0108	Size
RJTWL1	1
RJTWL112	1.1/2
RJTWL2	2
RJTWL212	2.1/2
RJTWL3	3

Tech Sheet 60554

## Reducing Weld Liner



### Stainless Steel

0108	Size
RJTRWL2112	2 to 1.1/2

Tech Sheet 60554

## Blank Liner



### Stainless Steel

0108	Size
RJTBL1	1
RJTBL112	1.1/2
RJTBL2	2
RJTBL212	2.1/2
RJTBL3	3
RJTBL4	4

Tech Sheet 60554

## Hose Liner



### Stainless Steel

0108	Size
RJTHL1	1
RJTHL112	1.1/2
RJTHL2	2
RJTHL212	2.1/2
RJTHL3	3

Tech Sheet 60554

## Hex Nut



### Stainless Steel

0108	Size
RJTN1	1
RJTN112	1.1/2
RJTN2	2
RJTN212	2.1/2
RJTN3	3

Tech Sheet 60554

## Weld Male



### Stainless Steel

0108	Size
RJTWM1	1
RJTWM112	1.1/2
RJTWM2	2
RJTWM3	3

Tech Sheet 60554

## BSPB Adaptor



### Stainless Steel

0108	Size	Thread
RJTA1	1	1"
RJTA112	1.1/2	1.1/2"
RJTD2	2	2"
RJTA3	3	3"

Tech Sheet 60554

## Seal

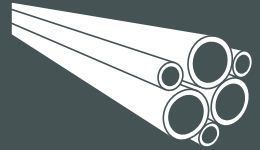


0108	Size
RJTS1	1
RJTS112	1.1/2
RJTS2	2
RJTS212	2.1/2
RJTS3	3

Tech Sheet 60554

# SECTION 5

## Ring Main



- **Parker Transair Ring Main Pipe & Fittings**
- **John Guest Ring Main Pipe & Fittings**
- **John Guest Plumbing Push-in Fittings**
- **Atlas Copco Airnet Ring Main Pipe & Fittings**
- **Aircon Ring Main Pipe & Fittings**
- **Comer UPVC Pipe & Fittings**
- **Comer ABS Pipe & Fittings**
- **Comer UPVC Threaded Fittings**
- **Sanha Stainless Steel Press Fit Pipe System**
- **Norma PP Polypropylene Fittings**
- **Polyethylene Pipe & Fittings**

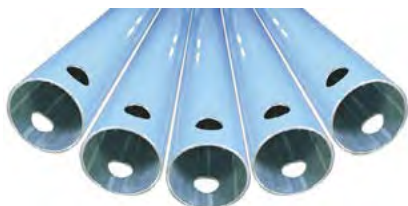


ABS Imperial Flanges	344	John Guest Pipe Clips	301
ABS Imperial Pipe System	341-345	John Guest Plumbing Push-in Fittings	302-306
ABS Solvent Cement	345	John Guest Ring Main System	299-301
ABS Tubing	345	John Guest Tube	299
Aircom Accessories	322-323	MDPE Pipe	354
Aircom Ball Valves	315	Norma Polypropylene Ring Main System	351-352
Aircom Manifolds	321	Polyethylene Compression Fittings	353-356
Aircom Pipe	311	PP Polypropylene Ring Main System	351-352
Aircom Pipe Brackets	322	Sanha Stainless Steel Press Fit System	348-350
Aircom Ring Main System	310-324	Stainless Steel Press Fit System	348-350
Airnet Accessories	309	Transair Accessories	298
Airnet Ball Valves	308	Transair Pipe	295
Airnet Pipe	307	Transair Pipe Clips	298
Airnet Ring Main System	307-309	Transair Ring Main System	295-298
Barrier Pipe	304	UPVC Accessories	332
Comer ABS Imperial Pipe System	341-345	UPVC Imperial Flanges	337
Comer UPVC Imperial Pipe System	333-340	UPVC Imperial Pipe System	333-340
Comer UPVC Metric Pipe System	325-332	UPVC Metric Flanges	329
Comer UPVC Threaded Fittings	346-347	UPVC Metric Pipe System	325-332
Flexi Pipe	304	UPVC Solvent Cement	338
John Guest Barrier Pipe	304	UPVC Threaded Fittings	346-347
John Guest Flexi Pipe	304	UPVC Tubing	338

# TRANSAIR RING MAIN SYSTEM AIR & VACUUM RANGE



## Transair Aluminium Pipe



### 3 Metres, Single Lengths

1100	Tube OD mm	Tube ID mm
1003A.17.04.00	16.5	13
1003A.25.04.00	25	22
1003A.40.04.00	40	37
1003A.50.04	50	47
1003A.63.04	63	59

### 6 Metres, Per Pack

1100	Tube OD mm	Tube ID mm	Pack Size
1006A.25.04.00	25	22	6
1006A.40.04.00	40	37	6
1006A.50.04	50	47	5
1006A.63.04	63	59	4



### 1 Port 45° Threaded Wall Bracket, BSPP

1100	Female Thread
6641.21.21	1/2"



### 2 Port 45° Threaded Wall Bracket, BSPP

1100	Female Thread
6690.21.21	1/2"

## Transair Range



### 1 Port 45° Tube Wall Bracket, BSPP

1100	Tube OD mm	Female Thread
6639.17.21	16.5	1/2"
6639.25.21	25	1/2"



### 2 Port 45° Tube Wall Bracket, BSPP

1100	Tube OD mm	Female Thread
6682.17.21	16.5	1/2"
6682.25.21	25	1/2"



### 3 Port 45° Tube Wall Bracket, BSPP

1100	Tube OD mm	Female Thread
6695.25.21	25	1/2"



### 2 Port Horizontal Tube Wall Bracket, BSPP

1100	Tube OD mm	Female Thread
6681.17.21	16.5	1/2"
6681.25.21	25	1/2"



### 1 Port 45° Wall Bracket with Ball Valve

1100	Tube OD mm	Female Thread
6678.17.21	16.5	1/2"
6678.25.21	25	1/2"



### 2 Port 45° Wall Bracket with Ball Valve

1100	Tube OD mm	Female Thread
6693.17.21	16.5	1/2"
6693.25.21	25	1/2"



### 3 Port 45° Wall Bracket with Ball Valve

1100	Tube OD mm	Female Thread
6637.25.21	25	1/2"



### Mini Bracket

1100	Tube OD mm	Female Thread
6661.25.21	25	1/2"
6661.40.21	40	1/2"
6661.40.27	40	3/4"
6661.50.21	50	1/2"
6661.50.27	50	3/4"
6662.63.21	63	1/2"
6662.63.27	63	3/4"



# TRANSAIR RING MAIN SYSTEM AIR & VACUUM RANGE

## Transair Range



### Reducing Bracket

1100	Tube OD A mm	Tube OD B mm
6662.25.17	25	16.5
6662.25.00	25	25
6662.40.17	40	16.5
6662.40.25	40	25
6662.50.25	50	25
6662.63.25	63	25



### Pressurised System Outlet with Ball Valve

1100	Tube OD mm	Female Thread
EA98.06.04	50	1/2"



### Pipe to Pipe Connector

1100	Tube OD mm
6606.17.00	16.5
6606.25.00	25
6606.40.00	40
6606.50.00	50
6606.63.00	63



### Quick Assembly Bracket with Ball Valve, BSPP

1100	Tube OD mm	Female Thread
6669.25.21	25	1/2"
6669.40.21	40	1/2"
6669.40.27	40	3/4"
6669.50.21	50	1/2"
6669.50.27	50	3/4"
6669.63.21	63	1/2"
6669.63.27	63	3/4"



### Male Stud, BSPT

1100	Tube OD mm	Male Thread
6605.17.13	16.5	1/4"
6605.17.21	16.5	1/2"
6605.25.21	25	1/2"
6605.25.27	25	3/4"
6605.25.34	25	1"
6605.40.34	40	1"
6605.40.42	40	1.1/4"
6605.40.49	40	1.1/2"
6605.50.49	50	1.1/2"
6605.50.48	50	2"
6605.63.48	63	2"



### Connector with Vent

1100	Tube OD mm
6676.25.00	25
6676.40.00	40
6676.50.00	50
6676.63.00	63



### Plug-in Reducer

1100	Description
6666.17.25	25mm Pipe to 16.5mm Pipe
6666.25.40	40mm Pipe to 25mm Pipe



### Quick Assembly Direct Feed Bracket

1100	Tube OD A mm	Tube OD B mm
RA69.50.25	50	25



### Male Stud BSPT with Fixing Plate

1100	Tube OD mm	Male Thread
6615.50.49	50	1.1/2"
6615.50.48	50	2"



### Plug-in Reducer

1100	Description
6666.40.50	50mm Pipe to 40mm Pipe
6666.40.63	63mm Pipe to 40mm Pipe
6666.50.63	63mm Pipe to 50mm Pipe



### Quick Assembly Direct Feed Bracket, BSPP

1100	Tube OD mm	Female Thread
RA65.50.04	50	1/2"
RA65.50.08	50	1"



### Male Stud Nut BSPT

1100	Tube OD mm	Male Thread
6611.50.49	50	1.1/2"
6611.50.48	50	2"

# TRANSAIR RING MAIN SYSTEM AIR & VACUUM RANGE



## Transair Range



**Vented End Cap**

1100	Tube OD mm
6625.17.00	16.5
6625.25.00	25
6625.40.00	40
6625.50.00	50
6625.63.00	63



**90° Elbow**

1100	Tube OD mm
6602.17.00	16.5
6602.25.00	25
6602.40.00	40
6602.50.00	50
6602.63.00	63



**Reducing Tee**

1100	Tube OD A mm	Tube OD B mm
6604.50.25	50	25
6604.50.40	50	40
6604.63.40	63	40



**90° Elbow Male Stud, BSPT**

1100	Tube OD mm	Male Thread
6609.17.13	16.5	1/4"
6609.17.21	16.5	1/2"
6609.25.21	25	1/2"
6609.25.27	25	3/4"
6609.25.34	25	1"
6609.40.34	40	1"
6609.40.42	40	1.1/4"
6609.40.49	40	1.1/2"
6609.40.48	40	2"
6609.50.49	50	1.1/2"
6609.50.48	50	2"
6609.63.48	63	2"
6609.63.47	63	2.1/2"



**45° Elbow**

1100	Tube OD mm
6612.25.00	25
6612.40.00	40
6612.50.00	50
6612.63.00	63



**Lockable Aluminium Valve**

1100	Tube OD mm
4092.17.00	16.5
4092.25.00	25
4092.40.00	40
4092.50.00	50
4092.63.00	63



**45° Elbow Male Stud, BSPT**

1100	Tube OD mm	Male Thread
6619.25.21	25	1/2"
6619.25.27	25	3/4"
6619.25.34	25	1"
6619.40.34	40	1"
6619.40.42	40	1.1/4"
6619.40.49	40	1.1/2"
6619.40.48	40	2"
6619.50.49	50	1.1/2"
6619.50.48	50	2"



**Equal Tee**

1100	Tube OD mm
6604.17.00	16.5
6604.25.00	25
6604.40.00	40
6604.50.00	50
6604.63.00	63



**Flexible Hose**

1100	Tube OD mm	Length Metres
1001E.250001	25	0.57
1001E.250003	25	1.5
1001E.250004	25	2
1001E.400002	40	1.15
1001E.400004	40	2
1001E.400005	40	3



# TRANSAIR RING MAIN SYSTEM AIR & VACUUM RANGE

## Clips, Clamps, Spacers & Tools



### Fixing Clip For Rigid Pipe

1100	Tube OD mm
6697.17.00	16.5
6697.25.00	25
6697.40.00	40
6697.50.00	50
6697.63.00	63



### Transair Clips & Spacers

1100	Description
6697.00.03	Spacer Block for Fixing Clip
6697.00.02	Clip Adaptor for Rod M8 x 1 Male x M10 x 1.5 Female



### Transair Beam Clamps

1100	Description
6699.03.01	Screw Type Beam Clamp 16.5mm to 40mm
ER99.06.02	Screw Type Beam Clamp 63mm to 100mm for M8 Screw
ER99.06.03	Screw Type Beam Clamp 63mm to 100mm for M10 Screw



### Transair Tube Cutter

1100	Description
6698.03.01	Tube Cutter for 16.5mm to 63mm Pipe



### Transair Tools

1100	Description
6698.04.02	Deburring Tool for Rigid Aluminium Pipe 16.5mm to 100mm
6698.04.01	Chamfer Tool for Rigid Aluminium Pipe 16.5mm to 40mm
6698.04.03	Marking Tool for Rigid Aluminium Pipe 16.5mm to 40mm
6698.05.03	Tightening Spanners for 63mm Nuts



### Transair Drilling Jig

1100	Description
6698.01.03	Drilling Jig 25 to 63mm



### Transair Drilling Tool

1100	Description
6698.02.02	Drilling Tool for 25mm Pipe
6698.02.01	Drilling Tool for 40mm & 63mm Pipe



### Tool Case

1100	Description
6698.00.05	Complete Kit 16.5mm to 63mm

# FAST-TRACK RING MAIN SYSTEM



## Fast-Track Tubing

### John Guest Part No. Cross Reference

400-3012	PA-RM1209-3M-20B
400-3015	PA-RM1512-3M-20B
400-3018	PA-RM1814-3M-20B
400-3022	PA-RM2218-3M-20B
400-3028	PA-RM2823-3M-10B

Working Temperature: -20°C to +70°C

Maximum Working Pressure: +23°C: 10 bar  
+70°C: 7 bar



### Nylon 12, 3 Metre Lengths

1400	OD mm	ID mm
400-3012	12	9
400-3015	15	12
400-3018	18	14
400-3022	22	18
400-3028	28	23

Tech Sheet 20629

N.B. Delivery may take up to 48 hours.

Working Temperature: -20°C to +70°C

Maximum Working Pressure: +23°C: 10 bar  
+70°C: 7 bar



### Blue Coated Aluminium, 3 Metre Lengths

1400	OD mm	ID mm
AL-RM1210-3M-20B	12	10
AL-RM1513-3M-20B	15	13
AL-RM1816-3M-20B	18	16
AL-RM2220-3M-20B	22	20
AL-RM2826-3M-10B	28	26

Tech Sheet 20629

N.B. Delivery may take up to 48 hours.

## Fast-Track Tube Clips



### 360° Pipe Retention, Tested to over 100lbs

1400	OD mm
405-1015	15
405-1022	22
405-1028	28
410-1522	Stand-off Spacer

Tech Sheet 20629

## U-Bend



1400	OD mm
PMUB15E	15

Tech Sheet 20629

## Straight Adaptor

\* No thread seal.



### BSPP Male

1400	OD mm	Thread
PM011213E	12	3/8"
PM011214E	12	1/2"
PM011514E	15	1/2"
PM011516E	15	3/4"
PM011814E	18	1/2"
PM012216E	22	3/4"

Tech Sheet 20629

## Stem Adaptor



### BSPP Male

1400	OD mm	Thread
PM051213E	12	3/8"
PM051214E	12	1/2"
PM051513E	15	3/8"
PM051514E	15	1/2"
PM051814E	18	1/2"
PM052214E	22	1/2"
PM052216E	22	3/4"

Tech Sheet 20629

## Equal Elbow



1400	OD mm
PM0312E	12
PM0315E	15
PM0318E	18
PM0322E	22
PM0328E	28

Tech Sheet 20629

## Stem Elbow



1400	OD mm	Stem OD mm
PM221212E	12	12
PM221515E	15	15
PM221818E	18	18
PM222222E	22	22

Tech Sheet 20629

## Equal Tee



1400	OD mm
PM0212E	12
PM0215E	15
PM0218E	18
PM0222E	22
KM0228E	28

Tech Sheet 20629

## Reducing Tee



1400	Ends OD mm	Branch OD mm
PM03018AE	18	15
PM3022AE	22	15

Tech Sheet 20629





## Straight Connector



1400	OD mm
PM0412E	12
PM0415E	15
PM0418E	18
PM0422E	22
PM0428E	28

Tech Sheet 20629

## Reducer



1400	Stem OD mm	OD mm
PM061512E	15	12
PM061815E	18	15
PM062215E	22	15
PM062218E	22	18
PM062815E	28	15
KM062822E	28	22

Tech Sheet 20629

## Flexi-joint

When long runs of nylon tube are used, it is recommended a flexi-joint is installed. With temperature change, the tube can expand and contract along the length. This will lead to an unsightly distortion to the run of tube.



1400	OD mm	Max Pressure PSI
FLEX-15	15	145
FLEX-22	22	145

Tech Sheet 20629

## Plug



### Black

1400	OD mm
PM0812R	12
PM0815E	15
PM0818E	18
PM0822E	22
PM0828E	28

Tech Sheet 20629

## Release Aid



1400	OD mm
15RA	15
22RA	22

Tech Sheet 20629

## Brass Straight Adaptors



### BSPT Male

1400	OD mm	Thread
MM011504N	15	1/2"
MM012206N	22	3/4"
MM012808N	28	1"

Tech Sheet 20629

## Brass Wingback Elbow



### BSPP Female

1400	OD mm	Thread
PM15WB	15	1/2"
PM22WB	22	3/4"

Tech Sheet 20629

## Brass Stem Adaptors



### Male Thread

1400	OD mm	Thread
MM051504N	15	1/2" BSPT
MM052206N	22	3/4" BSPT
MM052818N	28	1" BSPT
MM052228N	22	1" NPT
MM052828N	28	1" NPT

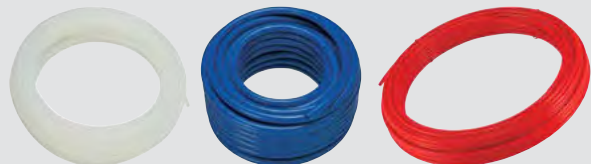
Tech Sheet 20629



### BSPP Female

1400	OD mm	Thread
MM501514N	15	1/2"
MM502216N	22	3/4"

Tech Sheet 20629



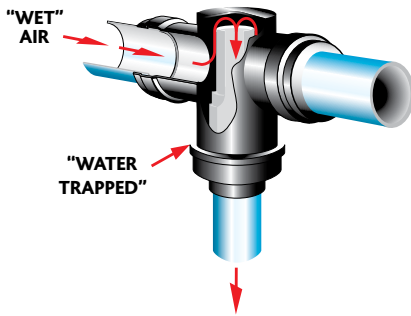
You might also need  
**Polyurethane & Nylon Tube**  
 see **Section 7**

# FAST-TRACK RING MAIN SYSTEM



## Water Trap Tee

The Fast-Track Water Trap Tee solves the on-going problem of moisture in a Ring Main system and provides the easy alternative to the need to install "Swan Necks". The ingenious inside arrangement of the fitting allows air to flow, with minimum head loss, from the main to take-off point without allowing water to follow. The moisture is retained in the line to be drawn off at some suitable location.



### Water Trap Tee Installation:

It is of vital importance for the correct function of the Water Trap Tee that the air ring main within which the Tee is installed is near horizontal and that the outlet port faces vertically downwards. Markings to indicate correct orientation have been moulded onto the body to assist installation.



1400	OD mm
PMTT22E	22

Tech Sheet 20629

## Water Trap Tee Converter



### Converts a 28mm Tee to a Water Trap Tee

1400	Size mm
WTC28	28

Tech Sheet 20629

## Collet Covers

Collet Covers prevent accidental removal or tampering with piping. The pipe can be inserted with the Collet Cover already attached to the fitting or the cover can slide into position afterwards.

We recommend covers be fitted when pipework is hidden inside walls, ceilings etc.

Collet Covers can be removed to allow the pipe to be disconnected as and when required.



### Black

1400	OD mm
PM1915E	15
PM1918E	18
PM1922E	22

Tech Sheet 20629

## Pipe Clips & Spacers

### Clip



### Spacer



### Black

1400	Description	OD mm
PC15E	Clip	15
PC22E	Clip	22
PC28E	Clip	28
PCSE	Spacer	-

Tech Sheet 20629

## Pipe Cutters

**Please Note:** No spare blades available for this cutter.

The blade can be resharpened.



1400	Max Reach mm
JG-TSP	22

Tech Sheet 20629

## Aluminium Pipe Cutter



1400	OD mm
ALU-CUTTER15	15
ALU-CUTTER22	22
ALU-CUTTER28	28

Tech Sheet 20629

## Deburring Tool



1400	
DEBURR	

Tech Sheet 20629

## End Stop



1400	OD mm
PM4612E	12
PM4615E	15
PM4622E	22

Tech Sheet 20629

## Porting Block



### 1/2" BSPP Female

1400	Outlets
JG-L-WSK	5 x 1/2" BSPP

Tech Sheet 20629

## Aluminium Wall Box



### BSPP

1400	Inlet Size	Outlet Size	No. of Outlets
JGWALLBOX 1/2	1/2"	1/2"	3
JGWALLBOX 3/4	3/4"	1/2"	3

Tech Sheet 20629



## Couplings



### Straight

1400	OD mm
PEM0410W	10
PKM0415W	15
PKM0422W	22
PEM0428W	28

Tech Sheet 20630



### Reducing

1400	OD mm	OD mm
PKM201510W	15	10
PKM202215W	22	15

Tech Sheet 20630



### Brass BSPP Male

1400	OD mm	Thread
15MC	15	1/2"
22MC	22	3/4"

Tech Sheet 20630



### BSPP Female to Tap Connector

1400	OD mm	Thread
PEM3210W	10	1/2"
PEM3201W	15	1/2"
PEM3203W	15	3/4"
PEM3202W	22	3/4"

Tech Sheet 20630

## Pipe Inserts

To be used on installation when using plastic pipe.



1400	To Suit ID mm
TSM10N	10
TSM15N	15
TSM22N	22
TSM28N	28

Tech Sheet 20630

## Elbows



### Equal

1400	OD mm
PEM0310W	10
PKM0315W	15
PKM0322W	22
PEM03228W	28

Tech Sheet 20630

- Provides a swivel type connection.



### Stem

1400	OD mm	Stem OD mm
PEM221010W	10	10
PKM221515W	15	15
PKM222222W	22	22

Tech Sheet 20630



### Brass Wing Back, BSPP Female

1400	OD mm	Thread
15WB	15	1/2"
22WB	22	3/4"

Tech Sheet 20630

## End Stops



1400	OD mm
PSE4610W	10
PKM4615W	15
PKM4622W	22

Tech Sheet 20630

## Tees



### Equal

1400	OD mm
PEM0210W	10
PKM0215W	15
PKM0222W	22
PEM0228W	28

Tech Sheet 20630



### Increasing on Branch

1400	OD A mm	OD B mm
PKM3022CW	15	22

Tech Sheet 20630



### Reducing on Branch

1400	OD A mm	OD B mm
PEM3015BW	15	10
PEM3015AW	15	10
PEM302210AW	22	10
PKM3022AW	22	15
PEM3028AW	28	22



### Increasing on Run

1400	OD A mm	OD B mm
PEM3022BW	22	15

Tech Sheet 20630



### Reducing on Run

1400	OD A mm	OD B mm
PKM3022DW	22	15
PEM3028DW	28	22

# PLASTIC PLUMBING PUSH-IN FITTINGS



## Reducers



1400	OD mm	Stem OD mm
PEM061510W	10	15
PEM062215W	15	22
PEM062815W	15	28
PEM062822W	22	28

Tech Sheet 20630

## Connectors



### Tap, BSPP Female

1400	OD mm	Thread
PKMSTC1514	15	1/2" Straight
PKMSTC1516	15	3/4" Straight
PKMSTC2216	22	3/4" Straight

Tech Sheet 20630

Maximum wall thickness of tank = 4mm.

**Note:** Requires hand tightening only.



## Tank

1400	OD mm
CM0715S	15
CM0722S	22
CM0728S	28

Tech Sheet 20630

## Brass Drain Cock

Speedfit Drain Cocks cannot be used where collet covers are fitted. They can be used with a standard fitting fitted with a collet clip.



1400	OD mm
15BDC	15

Tech Sheet 20630

## Service Valves

**N.B:** Hot and cold water only 65°C max.  
Not suitable for central heating systems.



### Plastic

1400	OD mm
15ISV	15

Tech Sheet 20630



### Brass Chrome Plated

1400	OD mm
10HSV	10
15HSV	15
22HSV	22

Tech Sheet 20630



### Brass Chrome Plated with Tap Connector BSPP Female

1400	OD mm	Thread
15PTSV	15	1/2"
22PTSV	22	3/4"

Tech Sheet 20630

## Brass Chrome Plated Ball Valves

Suitable for central heating systems, each valve has a red and blue indice.



1400	OD mm
10BV	10
15BV	15
22BV	22

Tech Sheet 20630

## Valves

**N.B.** Hot and cold water only 65°C max.



### Stop

1400	OD mm
15STV	15
22STV	22

Tech Sheet 20630



### Brass Stop

1400	OD mm
15BSC	15

Tech Sheet 20630

**N.B.** Hot and cold water only 65°C max.  
Not suitable for central heating systems.



### Double Check

1400	OD mm
15DCV	15

Tech Sheet 20630

## Taps



### Emergency Shut Off

1400	OD mm
15ESOT	15

Tech Sheet 20630

**N.B.** Hot and cold water only 65°C max.



### Washing Machine, BSPP

1400	OD mm	Thread
15APT-B	15	3/4"

Tech Sheet 20630



## Barrier Pipes

British Gas accepted for water pipe in vented and sealed central heating systems. The pipe has an inner barrier to stop the ingress of atmosphere.



### Pex Coils

1400	OD mm	Length Metres
10BPEX-25C	10	25
10BPEX-50C	10	50
15BPEX-25C	15	25
15BPEX-50C	15	50
15BPEX-100C	15	100
22BPEX-25C	22	25
22BPEX-50C	22	50

Tech Sheet 20363

This pipe is made from a soft material with little memory ensuring a flexible system. It has an inner barrier to stop the ingress of atmosphere. British Gas accepted for water pipe in vented and sealed central heating systems.

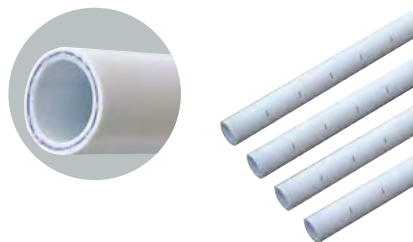
- Easy to handle
- Ultra flexible



### Layflat Polybutylene

1400	OD mm	Length Metres
15BPB-25C	15	25
15BPB-50C	15	50
15BPB-100C	15	100
22BPB-25C	22	25
22BPB-50C	22	50

Tech Sheet 20363



### Straight Lengths

1400	OD mm	Length Metres	Quantity
15BPEX-20X2L	15	2	20
15BPEX-20X3L	15	3	20
22BPEX-20X2L	22	2	20
22BPEX-20X3L	22	3	20
28BPEX-10X3L	28	3	10

Tech Sheet 20363

## Flexi Hoses



### Push-in to BSPP Female

1400	OD mm	Thread	Length mm
FLX15	15	1/2"	300
FLX18	15	1/2"	500
FLX16	15	3/4"	300
FLX20	15	3/4"	500
FLX22	22	3/4"	300
FLX19	22	3/4"	500
FLX23	22	3/4"	500 Full Bore

Tech Sheet 20630



### Push-in to Push-in

1400	OD mm	OD mm	Length mm
FLX33	15	10	300
FLX17	15	15	300
FLX21	15	15	500
FLX26	22	22	300
FLX27	22	22	500

Tech Sheet 20630



### Push-in to BSPP Female with Service Valve

1400	OD mm	Thread	Length mm
FLX37	15	1/2"	300 Full Bore
FLX24	15	1/2"	300
FLX31	15	1/2"	500
FLX38	15	3/4"	500
FLX25	22	3/4"	300 Full Bore

Tech Sheet 20630

N.B. Hot & cold water only, 65°C maximum



### For Monobloc Mixers

1400	OD mm	Thread	Length mm
FLX29	15	M12	300

Tech Sheet 20630

N.B. Hot & cold water only, 65°C maximum



### Elbow

1400	OD mm	Thread	Length mm
FLX36	15	1/2"	300

Tech Sheet 20630

## Adaptors



### Brass Male Cylinder, BSPP

1400	OD mm	Thread
22CMA	22	1"

Tech Sheet 20630

### Brass Male Coupler

1400	OD mm	Thread
10CMC(1/2)	10	1/2" BSPP
22CMA	15	1/2" BSPP
22CMA	15	1/2" BSPT
22CMA	22	3/4" BSPP
22CMA	22	3/4" BSPT
22CMA	28	1" BSPP
22CMA	28	1" BSPT

Tech Sheet 20630



### Brass Female Cylinder, BSPP

1400	OD mm	Thread
22CFA	22	1"

Tech Sheet 20630





## John Guest Plumbing Range



### Radiator Key

1400	Description
RK1C	Brass Key



### Male Coupler - Brass

1400	Size mm	Thread
10MC	10	1/2" BSPP
15MC	15	1/2" BSPP
MW011504N	15	1/2" BSPT
22MC	22	3/4" BSPP
MW012206N	22	3/4" BSPT
MW012818N	28	1" BSPP
MW012808N	28	1" BSPT



### Hose Connector

1400	Size mm	Hose ID
NC448	15	1/2"
NC473	22	3/4"



### Conversion Connector

1400	Size mm	OD
NC471	15	5/8"



### Slip Connector

1400	Size mm
CM-SC-15S	15



### PE Copper Coupler

1400	Size mm
JG603B	25 x 15



### 45° Stem Elbow

1400	Pipe mm	Stem mm
PEM571515W	15	15
PEM572222W	22	22



### Bend Tap Connector, Female Thread, BSPP

1400	Size mm	Thread
PEMBTC1514	15	1/2"



### Stem Tee

1400	Size mm
PEM532210W	22 x 22 x 10
PEM532215W	22 x 22 x 15



### 4 Port Rail Manifold

1400	Size mm
SFM522210S	22 x 10
SFM522215S	22 x 15



### 4 Way Manifold

1400	Size mm
SFM512210S	22 x 10



### Plug

1400	Size mm
JPPB10	10



### Male Stem Adaptor, Brass, BSPT

1400	Size mm	Thread
MW052206N	22	3/4"
MW052818N	28	1"



### Female Stem Adaptor, Brass, BSPP

1400	Size mm	Thread
MW502216N	22	3/4"



### Pipe Adaptor, Brass

1400	Thread	Size mm
NC2238	1/2"	15
NC2239	3/4"	22





## John Guest Plumbing Range



## Collet Locking Clip

1400	Size mm	Colour
CM1815B	15	Blue
CM1815R	15	Red



## Release Aid

1400	Size mm
10RA	10



## Collet Cover

1400	Colour	Size mm
AM1915W	White	15
PM1915B	Blue	15



## Collets

1400	Size mm
PXC10	10



## EPDM O Ring

1400	Size mm
10EPR	10



## Thread Washer

1400	Size
1/2EPW	1/2"



## Shut Off Valve, Imperial &amp; Metric

1400	Tube OD 1	Tube OD 2
PPMSV040606W	6mm	6mm
PPMSV041010W	10mm	10mm
PPSV040808W	1/4"	1/4"
PPSV041212W	3/8"	3/8"



## Shut Off Valve, Long Handle

1400	Tube OD
PISV0412S	3/8"
PISV0416S	1/2"



## Shut Off Valve, Male Thread, NPT

1400	Tube OD	Thread
PPSV010822W	1/4"	1/4"
PPSV011223W	3/8"	3/8"



## Shut Off Valve, Female Thread, NPT

1400	Tube OD	Thread
PPSV500822W	1/4"	1/4"



## Mounting Clip

1400	Size
SVMC-10	3/8" Shut Off Valve Clip



## Service Valve, Brass

1400	Size mm
15HSV-BRASS	15



## Single Check Valve

1400	Tube OD mm
6SCV	6
10SCV	10
5/16SCV	5/16"



## Conduit Pipe

1400	Size mm	Length Metres
22BLKCON-25C	22	25



## Bending Spring

1400	Size mm
JG-BS15	15



## Superseal Pipe Insert

1400	Size mm
STS15	15
STS22	22
STS28	28



## Pipe Clips &amp; Spacers

1400	Size mm	Colour
PC15W	15	White
PC22W	22	White
PC28W	28	White
PCSW	Spacer	White



## Nail Clip

1400	Size mm	Colour
NPC15	15	White



## Airnet Aluminium Air Pipe



### Blue Compressed Air Pipe, 2.85m Lengths

1450	Size mm	Length Metres	Quantity
2811-1063-10	20	2.85	1
2811-2063-10	25	2.85	1
2811-4063-05	40	2.85	1
2811-6063-03	63	2.85	1
2811-7063-02	80	2.85	2

### Blue Compressed Air Pipe, 5.70m Lengths

1450	Size mm	Length Metres	Quantity
2811-4000-05	40	5.70	5



### Blue S Bends

1450	Size mm
2811-1067-05	20 x 440
2811-2067-05	25 x 460

## Airnet Connectors



### Equal Straight Connector

1450	Size mm
2811-1002-80	20
2811-2002-80	25
2811-4002-80	40
2811-5002-80	50



### Reducing Straight Connector

1450	Size mm
2811-2121-80	25 to 20
2811-4221-80	40 to 25



### Male Stud Connector

1450	Size
2811-1017-80	20mm x R1/2"
2811-2117-80	25mm x R3/4"
2811-2217-80	25mm x R1"
2811-4417-80	40mm x R1.1/2"
2811-5417-80	50mm x R1.1/2"
2811-5517-80	50mm x R2"
2811-6517-80	63mm x R2"
2811-6617-80	63mm x R2.1/2"
2811-7717-80	80mm x R3"



### Wall Mounting Connector ISO228

1450	Inlet mm	Outlet BSPP
2811-1023-80	20	1/2" x 3
2811-2023-80	25	1/2" x 3



### Wall Mounting Connector Threaded

1450	Inlet	Outlet
2811-0025-80	1/2"	1/2" x 1
2811-1025-80	3/4"	1/2" x 1



### End Cap

1450	Size mm
2811-1006-80	20
2811-2006-80	25
2811-4006-80	40
2811-5006-80	50



## Airnet Elbows & Tees



### Equal 90° Elbow

1450	Size mm
2811-1003-80	20
2811-2003-80	25
2811-4003-80	40
2811-5003-80	50
2811-6003-80	63



### Equal 45° Elbow

1450	Size mm
2811-1004-80	20
2811-2004-80	25
2811-4004-80	40
2811-5004-80	50



### Equal Tee

1450	Size mm
2811-1005-80	20
2811-2005-80	25
2811-4005-80	40
2811-5005-80	50
2811-6005-80	63



### Reducing Tee

1450	Size A mm	Size B mm
2811-4107-80	40	20
2811-4207-80	40	25



### Reducing Tee, Threaded Branch

1450	Inlet/Outlet mm	Reduced Branch
2811-1008-80	20	G1/2"
2811-2008-80	25	G1/2"
2811-2108-80	25	G3/4"
2811-4208-80	40	G1"
2811-5208-80	50	G1"

## Airnet Quickdrops & Ball Valves



### Quickdrop

1450	Inlet mm	Outlet mm
2811-2110-80	25	20
2811-4110-80	40	20



### Quickdrop, Threaded Outlet

1450	Inlet mm	Outlet
2811-2011-80	25	G1/2"
2811-4011-80	40	G1/2"
2811-5011-80	50	G1/2"



### Ball Valve

1450	Size mm
2811-1051-81	20
2811-2051-81	25
2811-4051-81	40



### Ball Valve Airnet to ISO228 Female

1450	Size
2811-1152-81	20mm x G3/4"
2811-2252-81	25mm x G1"
2811-4452-81	40mm x G1.1/2"



## Airnet Piping Accessories



### Pipe Clips

1450	Size mm	Connection
2811-1022-20	20	M6
2811-2022-20	25	M6
2811-4022-20	40	M6
2811-7022-20	80	M8



### Polymer Pipe Clip Spacer

1450	Height mm
2811-0027-10	15



### Steel Pipe Clip Spacer

1450	Height mm
2810-0227-10	25



### Pipe Clip Adaptor Bolt

1450	Size
2811-0072-00	M6 - M8



### Flange Valve Support

1450	Size mm
2811-1264-10	20 - 25



### Canalis KN Hanger

1450
2810-0250-05



### Beam Clamp I Profile

1450	Size	Range mm
2810-1135-10	M6	3 - 8
2810-1235-10	M6	8 - 14



### Screw Beam Clamp

1450	Size	Range mm
2810-0036-10	M8	1.5 - 11



### Hang Clamp H Profile

1450	Size	Range mm
2810-0038-10	M8	1.5 - 4



### U Bolt Beam Clamp

1450	Size
2810-0037-10	M6



### Roof Clamp

1450	Size	Range mm
2810-0039-10	M8	0.8 - 3



### T Bolts M8

1450	Length mm
2810-0033-10	30



### Sliding Nut

1450	Size
2810-1033-10	M6



### Sealing Gel

1450	Volume Litres
2810-0148-00	1



# WHY CHOOSE AIRCOM



## EXPANDABILITY ACCORDING TO REQUIREMENTS

The system grows with the plant.

## ELIMINATE WASTED AIR AND LEAKS

Our components in aluminium, technopolymer and HIP guarantee superior, above-average performance.

## EASY, RAPID INSTALLATION

Reduction in labor costs and ease of intervention.

## MODULAR DESIGN

Flexibility of use and greater adaptability to the specific usage requirements.

## OPTIMUM, CONSTANT PERFORMANCE

Constant energy savings over time.

## OUR SERVICES

AIRCOM services support our Partners throughout the plant's entire life cycle: from the initial consultancy to support during design.



### TECHNICAL TRAINING

We offer advanced training and periodic update courses for our Partners' technical personnel (designers, installers, dealers).



### RATIONALISING ENERGY CONSUMPTION

Thanks to the wide choice of components and the flexibility of the systems, as well as to computer simulations, our piping systems help reduce energy costs to the lowest levels possible, in a consistent manner over time: the system pays for itself.



### SUPPORT FOR DESIGNERS

We support our Partners at every step, from the more basic plants to the highly complex systems, assisting in totally new designs as well as in revamping and additions to existing structures.



### ADVANCED SOFTWARE

We have developed proprietary software to provide support in plant sizing and on site design. Thanks to this software, our Partners can offer the end user a complete, efficient and personalized service.

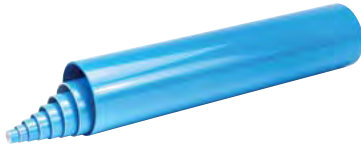




# RING MAIN SYSTEM



## Coated Aluminium Pipe



### Compressed Air, 5.8 Metres, Blue

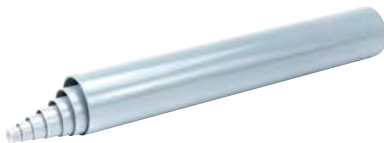
9191	Ø mm
QLTUAL020S	20
QLTUAL025S	25
QLTUAL032S	32
QLTUAL040S	40
QLTUAL050S	50
QLTUAL063S	63
QLTUAL080S	80
QLTUAL110S	110

Tech Sheet 110821

### Compressed Air, 4 Metres, Blue

9191	Ø mm
QLTUAL4016S	16
QLTUAL4020S	20
QLTUAL4025S	25
QLTUAL4032S	32
QLTUAL4040S	40
QLTUAL4050S	50
QLTUAL4063S	63

Tech Sheet 110821



### Vacuum, 5.8 Metres, Grey

9191	Ø mm
QLTUALGY020S	20
QLTUALGY025S	25
QLTUALGY032S	32
QLTUALGY040S	40
QLTUALGY050S	50
QLTUALGY063S	63
QLTUALGY080S	80

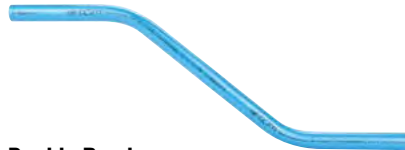
Tech Sheet 110821



### Nitrogen, 5.8 Metres, Green

9191	Ø mm
QLTUALG020S	20
QLTUALG025S	25
QLTUALG040S	40
QLTUALG050S	50
QLTUALG063S	63

Tech Sheet 110821



### Double Bend

9191	Ø mm
QLSC1016	16
QLSC1020	20
QLSC1025	25

Tech Sheet 110821

## Multilayer Bendable Pipe



### Compressed Air, 50 Metres

9191	Ø mm
QLTUMLST016	16
QLTUMLST020	20
QLTUMLST025	25

Tech Sheet 110841

## Technopolymer Pipe



### Compressed Air, 4 Metres

9191	Ø mm
AIRTU020S	20
AIRTU025S	25
AIRTU032S	32
AIRTU040S	40
AIRTU050S	50
AIRTU063S	63

Tech Sheet 110842



You might also need  
**Pipe & Tube Cutters**  
see **Section 14**







## LIGHTWEIGHT, BUT POWERFUL

The Quick Line technopolymer product range comes in the following diameters:

16, 20, 25, 32, 40, 50 and 63 mm

A careful study and design of dimensions and materials enable us to achieve a light and functional, all-technopolymer product in a wide range of sizes, allowing you to create your aluminium tubing systems without any problems.



## SHORT INSTALLATION TIME

The quick and easy assembly of our piping systems is the result of an innovative technology, with an instant connection of the fitting components to the aluminium pipe.

## AIR QUALITY AND MAINTENANCE

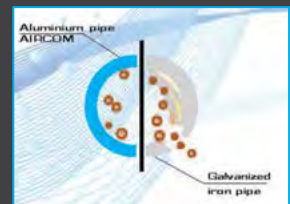
Owing to full technopolymer construction, air quality keeps constant features from compressor outlet up to all end user points. Minimum roughness of internal pipe surfaces allows optimal air flow. The high quality and high resistance features of our fittings will significantly reduce maintenance costs.

## MODULARITY AND RESISTANCE

Our modular and lightweight technopolymer systems are an optimal solution to reduce installation time.


Owing to careful study of components and of materials, our fittings feature noticeable resistance to corrosion, mechanical shocks and thermal variations.

Quick Line technopolymer is the most advanced evolution in the field of systems for compressed air and pressurised fluids distribution.



# TECHNOPOLYMER SYSTEM FITTINGS

Technopolymer fittings are specifically designed for use with Aluminium Tube up to Ø 63mm.  
For specific application guidance please speak to our Technical team.

 Working Temperature:  
-15°C to +65°C

## Straight Couplings



### Equal, Tube x Tube

9183	Ø mm
QLMAPA016	16
QLMAPA020	20
QLMAPA025	25
QLMAPA032	32
QLMAPA040	40
QLMAPA050	50
QLMAPA063	63

Tech Sheet 110822



### Sliding Coupling Tube x Tube (No Internal Stopper)

9183	Ø mm
QLMASPA032	32
QLMASPA040	40
QLMASPA050	50
QLMASPA063	63

Tech Sheet 110822



### Reducer, Tube x Tube

9183	Ø mm	Ø mm
QLRIDPA025020	25	20
QLRIDPA032025	32	25
QLRIDPA040025	40	25
QLRIDPA040032	40	32
QLRIDPA050040	50	40

Tech Sheet 110822



### Male Stud, BSPT Thread x Tube

9183	Ø mm	Thread
QLMNPA016048	16	1/2"
QLMNPA020048	20	1/2"
QLMNPA020068	20	3/4"
QLMNPA025048	25	1/2"
QLMNPA025068	25	3/4"
QLMNPA025088	25	1"
QLMNPA032088	32	1"
QLMNPA032108	32	1.1/4"
QLMNPA040088	40	1"
QLMNPA040108	40	1.1/4"
QLMNPA040128	40	1.1/2"
QLMNPA050128	50	1.1/2"
QLMNPA050168	50	2"
QLMNPA063168	63	2"

Tech Sheet 110822

## Elbows



### 90° Equal, Tube x Tube

9183	Ø mm
QLG090PA016	16
QLG090PA020	20
QLG090PA025	25
QLG090PA032	32
QLG090PA040	40
QLG090PA050	50
QLG090PA063	63

Tech Sheet 110822



### 45° Equal, Tube x Tube

9183	Ø mm
QLG045PA020	20
QLG045PA025	25
QLG045PA032	32
QLG045PA040	40
QLG045PA050	50
QLG045PA063	63

Tech Sheet 110822



### 90° Male Stud, BSPT x Tube

9183	Ø mm	Thread
QLG090PM020048	20	1/2"
QLG090PM025048	25	1/2"
QLG090PM025068	25	3/4"

Tech Sheet 110822



For Air Receivers  
see Section 13

Technopolymer fittings are specifically designed for use with Aluminium Tube up to Ø 63mm.  
For specific application guidance please speak to our Technical team.

Working Temperature:  
-15°C to +65°C

## Tees



### Equal Tube x Tube

9183	Ø mm
QLTEPA016	16
QLTEPA020	20
QLTEPA025	25
QLTEPA032	32
QLTEPA040	40
QLTEPA050	50
QLTEPA063	63

Tech Sheet 110822



### Unequal, Reducing on Branch, Tube x Tube

9183	Ø mm	Ø mm
QLTRPA020016	20	16
QLTRPA025016	25	16
QLTRPA025020	25	20
QLTRPA032020	32	20
QLTRPA032025	32	25
QLTRPA040020	40	20
QLTRPA040025	40	25
QLTRPA040032	40	32
QLTRPA050020	50	20
QLTRPA050025	50	25
QLTRPA050032	50	32
QLTRPA050040	50	40
QLTRPA063020	63	20
QLTRPA063025	63	25
QLTRPA063040	63	40
QLTRPA063050	63	50

Tech Sheet 110822



### Female Stud BSPP, 3.06 mm, Branch x Tube

9183	Ø mm	Thread
QLTPPA020048	20	1/2"
QLTPPA025048	25	1/2"

Tech Sheet 110822

## Quick Branch, Saddle Clamp



### Tube x Tube

9183	Ø mm	Ø mm
QLDERPA025016	25	16
QLDERPA025020	25	20
QLDERPA032016	32	16
QLDERPA032020	32	20
QLDERPA040016	40	16
QLDERPA040020	40	20
QLDERPA040025	40	25
QLDERPA050016	50	16
QLDERPA050020	50	20
QLDERPA050025	50	25
QLDERPA063020	63	20
QLDERPA063025	63	25
QLDERPA063032	63	32
QLDERPA080020	80	20
QLDERPA080025	80	25
QLDERPA080032	80	32
QLDERPA110025	110	25
QLDERPA110032	110	32

Tech Sheet 110822



### Female BSPP x Tube

9183	Ø mm	Thread
DIRDERFF025048	25	1/2"
DIRDERFF032048	32	1/2"
DIRDERFF040048	40	1/2"
DIRDERFF040068	40	3/4"
DIRDERFF050048	50	1/2"
DIRDERFF050068	50	3/4"
DIRDERFF063048	63	1/2"
DIRDERFF063068	63	3/4"
DIRDERFF063088	63	1"
DIRDERFF080048	80	1/2"
DIRDERFF080068	80	3/4"
DIRDERFF080088	80	1"
DIRDERFF110068	110	3/4"
DIRDERFF110088	110	1"

Tech Sheet 110822

## End Caps



### Tube

9183	Ø mm
QLCAPA016	16
QLCAPA020	20
QLCAPA025	25
QLCAPA032	32
QLCAPA040	40
QLCAPA050	50
QLCAPA063	63

Tech Sheet 110822

## Assembly Tools



### QL Nut Wrench

9183	Ø mm	Ø mm
QLCLE16020	16	20
QLCLE25032	25	32
QLCLE40050	40	50
QLCLE63	63	63

Tech Sheet 110822



### Pipe Fitting Insertion Meter

9183	Ø mm	Ø mm
QLMIS016080	16	80

Tech Sheet 110822



## Ball Valve Stainless Steel



### Tube x Tube

9183	Ø mm
QLVAINOX025	25
QLVAINOX032	32
QLVAINOX040	40
QLVAINOX050	50
QLVAINOX063	63
QLVAINOX080	80

Tech Sheet 110823



### Female BSPP x Tube

9183	Ø mm	Thread
QLVAINOXMF025088	25	1"
QLVAINOXMF032128	32	1.1/2"
QLVAINOXMF040128	40	1.1/2"
QLVAINOXMF050168	50	2"
QLVAINOXMF063168	63	2"
QLVAINOXMF080248	80	2"

Tech Sheet 110823

## Ball Valve Nickel Plated Brass



### Female BSPP x Tube

9183	Ø mm	Thread
QLVAF016048	16	1/2"
QLVAF020048AL	20	1/2"
QLVAF025068AL	25	3/4"

Tech Sheet 110823



### Male BSPT x Tube

9183	Ø mm	Thread
QLVAM016048	16	1/2"
QLVAM020048AL	20	1/2"
QLVAM025068AL	25	3/4"

Tech Sheet 110823

## Butterfly Valve Stainless Steel



### Tube x Tube

9183	Ø mm
QLVALFAR110	110

Tech Sheet 110823



For Ball Valves  
see Section 10





## LIGHTWEIGHT, BUT POWERFUL

The Quick Line aluminium product range comes in the following diameters:

20, 25, 32, 40, 50, 63, 80, and 110 mm

A careful study and design of dimensions and materials enable us to achieve a lightweight but powerful, all-aluminium product in a wide range of sizes. With the Ø 110 mm size you will have a powerful flow rate potential, allowing you to create compressor rooms without any problems.



## SHORT INSTALLATION TIME

The quick and easy assembly of our piping systems is the result of an innovative technology, with an instant connection of the fitting components to the aluminium pipe.

## AIR QUALITY AND MAINTENANCE

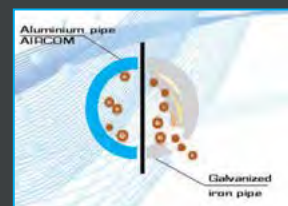
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## MODULARITY AND RESISTANCE

Our modular and lightweight aluminium systems are an optimal solution to reduce installation time.

Owing to careful study of components and of materials, our fittings feature noticeable resistance to corrosion, mechanical shocks and thermal variations.

Quick Line aluminium is the most advanced evolution in the field of systems for compressed air and pressurised fluids distribution.





# FITTINGS, ALUMINIUM SYSTEM

Swap your Aluminium fittings for Technopolymer fittings for sizes up to Ø 63mm to reduce installation costs. For specific application guidance please speak to our Technical team.

🌡️ Working Temperature:  
-30°C to +80°C

## Straight Couplings



### Equal, Tube x Tube

9183	Ø mm
QLMAAL020	20
QLMAAL025	25
QLMAAL032	32
QLMAAL040	40
QLMAAL050	50
QLMAAL063	63
QLMAAL080	80
QLMAAL110	110

Tech Sheet 110824



### Sliding Coupling, Tube x Tube (No Internal Stopper)

9183	Ø mm
QLMASAL032	32
QLMASAL040	40
QLMASAL050	50
QLMASAL063	63
QLMASAL080	80

Tech Sheet 110824



### Female Stud, BSPP Thread x Tube

9183	Ø mm	Thread
QLMPMAL020048	20	1/2"
QLMPMAL020068	20	3/4"
QLMPMAL025068	25	3/4"
QLMPMAL025088	25	1"
QLMPMAL032108	32	1.1/4"
QLMPMAL040128	40	1.1/2"
QLMPMAL050168	50	2"
QLMPMAL063208	63	2.1/2"

Tech Sheet 110824



### Male Stud, BSPT Thread x Tube

9183	Ø mm	Thread
QLMNMAL020048	20	1/2"
QLMNMAL020068	20	3/4"
QLMNMAL025068	25	3/4"
QLMNMAL025088	25	1"
QLMNMAL032108	32	1.1/4"
QLMNMAL040128	40	1.1/2"
QLMNMAL050168	50	2"
QLMNMAL063168	63	2"
QLMNMAL063208	63	2.1/2"
QLMNMAL080208	80	2.1/2"
QLMNMAL080248	80	3"

Tech Sheet 110824

## Elbows



### 90° Equal, Tube x Tube

9183	Ø mm
QLG090AL020	20
QLG090AL025	25
QLG090AL032	32
QLG090AL040	40
QLG090AL050	50
QLG090AL063	63
QLG090AL080	80
QLG090AL110	110

Tech Sheet 110824



### 45° Equal, Tube x Tube

9183	Ø mm
QLG045AL020	20
QLG045AL025	25
QLG045AL032	32
QLG045AL040	40

Tech Sheet 110824



### 45° Female Stud, BSPP x Tube

9183	Ø mm	Thread
QLG045FAL020048	20	1/2"
QLG045FAL025048	25	1/2"
QLG045FAL025068	25	3/4"

Tech Sheet 110824



### 90° Male Stud, BSPT x Tube

9183	Ø mm	Thread
QLG090MAL020048	20	1/2"
QLG090MAL025048	25	1/2"
QLG090MAL025068	25	3/4"

Tech Sheet 110824



### Tees



#### Equal, Tube x Tube

9183	Ø mm
QLTEAL020	20
QLTEAL025	25
QLTEAL032	32
QLTEAL040	40
QLTEAL050	50
QLTEAL063	63
QLTEAL080	80
QLTEAL110	110

Tech Sheet 110824



#### Unequal, Reducing on Branch, Tube x Tube

9183	Ø mm	Ø mm
QLTRAL025020	25	20
QLTRAL032020	32	20
QLTRAL040020	40	20
QLTRAL040025	40	25

Tech Sheet 110824



#### Female Stud BSPP, Branch x Tube

9183	Ø mm	Thread
QLTPAL020048	20	1/2"
QLTPAL025068	25	3/4"
QLTPAL032088	32	1"
QLTPAL040108	40	1.1/4"
QLTPAL050128	50	1.1/2"
QLTPAL063168	63	2"
QLTPAL080208	80	2.1/2"
QLTPAL110248	110	3"

Tech Sheet 110824

### End Caps



#### Equal, Tube x Tube

9183	Ø mm
QLCAAL020	20
QLCAAL025	25
QLCAAL032	32
QLCAAL040	40
QLCAAL050	50
QLCAAL063	63
QLCAAL080	80

Tech Sheet 110824

### Blind Flange



#### Tube

9183	Ø mm
DIRFC110DIN	110

Tech Sheet 110824

### Quick Branch (Saddle Clamp)



#### Tube x Tube

9183	Ø mm	Ø mm
QLDERAL025020	25	20
QLDERAL032020	32	20
QLDERAL040020	40	20
QLDERAL040025	40	25
QLDERAL050020	50	20
QLDERAL050025	50	25
QLDERAL063020	63	20
QLDERAL063025	63	25
QLDERAL063032	63	32
QLDERAL080020	80	20
QLDERAL080025	80	25
QLDERAL080032	80	32
QLDERAL110020	110	20
QLDERAL110025	110	25
QLDERAL110032	110	32

Tech Sheet 110824

### Flanged Couplings



#### Flange x Tube

9183	Ø mm	DIN Flange
QLMFLAL063168DIN	63	2"
QLMFLAL080248DIN	80	3"
QLMFLAL110328DIN	110	4"

Tech Sheet 110824



#### Flange x Stem

9183	Ø mm	DIN Flange
QLTFLAL80248DIN	80	3"
QLTFLAL110328DIN	110	4"

Tech Sheet 110824

### Assembly Tools



#### QL Nut Wrench for Aluminium

9183	Ø mm	Ø mm
QLCLEAL020025	20	25
QLCLEAL032040	32	40
QLCLEAL050	50	50
QLCLEAL063	63	63
QLCLEAL080	80	80

Tech Sheet 110824



#### Pipe Fitting Insertion Meter

9183	Ø mm	Ø mm
QLMISAL020110	20	110

Tech Sheet 110824

# 6" (168.3MM) TUBING & FITTINGS SYSTEM

A full range of ready-to-use, pre-grooved 168.3 mm - 6" aluminium products.

In large industrial sites, main compressed air distribution networks need a flow rate of 3,000m<sup>3</sup> per hour.

## Compatibility and Specifications

### Deliverable Fluids:

- Compressed air
- Inert gases
- Vacuum
- Other (please contact sales office for more information)

### Vacuum Level:

99% (about 10 mbar) approximately

### ° Working Temperature:

-30°C to +80°C



### Maximum Working Pressure:

12 bar

## Coated Aluminium Pipe with Grooved Ends



### Compressed Air, 5.8 Metres, Blue

9260	Ø mm
QLTUAL168S	168.3
Tech Sheet 110825	

## Elbow with Grooved Ends



### 90° Equal, Tube x Tube

9260	Ø mm
QLGO90AL168	168.3
Tech Sheet 110825	



### 45° Equal, Tube x Tube

9260	Ø mm
QLGO45AL168	168.3
Tech Sheet 110825	

## Tee with Grooved Ends



### Equal, Tube x Tube

9260	Ø mm
QLTEAL168	168.3
Tech Sheet 110825	

## Straight Rigid Coupling with Grooved Ends



### Equal, Tube x Tube

9260	Ø mm
QLMAAL168	168.3
Tech Sheet 110825	

## Straight Flexible Coupling with Grooved Ends



### Equal, Tube x Tube

9260	Ø mm
QLMAAFL168	168.3
Tech Sheet 110825	



# 6" (168.3MM) TUBING & FITTINGS SYSTEM

A full range of ready-to-use, pre-grooved 168.3 mm - 6" aluminium products.

In large industrial sites, main compressed air distribution networks need a flow rate of 3,000m<sup>3</sup> per hour.

## Compatibility and Specifications

### Deliverable Fluids:

- Compressed air
- Inert gases
- Vacuum
- Other (please contact sales office for more information)

### Vacuum Level:

99% (about 10 mbar) approximately

### ° Working Temperature:

-30°C to +80°C



### Maximum Working Pressure:

12 bar

## End Caps with Grooved Ends



### Tube

9260	Ø mm
QLCAAL168	168.3
Tech Sheet 110825	

## Flanged Adaptor



### Tube x Flange DIN

9260	Ø mm	DIN Flange
QLFLA168480DIN	168.3	4"
Tech Sheet 110825		

## Pipe Bracket



### M10 Insert Pieces

9260	Ø mm	Insert
DIRFEM10168CF	168.3	M10
Tech Sheet 110825		

## Expansion Joint



### Flanged DIN

9260	Ø mm
DIRDIL168DIN	168.3
Tech Sheet 110825	

DIRDIL168DIN requires 1x QLFLA168480DIN on each side.

## Butterfly Valve



### Flange DIN Coupling

9260	Ø mm
QLVALFAR168	168.3
Tech Sheet 110825	

## Portable Manual Grooving Tool for 6" (168.3 mm) Tube



### Manual Operation with Ratchet Handle

9260	Ø mm
DIRRULLUNI	168.3
Tech Sheet 110825	



## Single Port



**1/2" BSPP Inlet x 1/2" BSPP Outlet, with Drain Option, 1/4" (Blind)**

9183	No. of Inlets	No. of Outlets
DIRAPMAL048048	1	1
Tech Sheet 110826		



**With Fitting Holder Safety Block**

9183	Inlet mm	Outlet
DAPGO45FAL020048	20	1/2"
DAPGO45FAL025048	25	1/2"
DAPGO45FAL025068	25	3/4"
Tech Sheet 110826		

## Double Port



**1/2" BSPP Inlet x 1/2" BSPP Outlet, with Drain Option, 1/4" (Blind)**

9183	No. of Inlets	No. of Outlets
APLALL048	1	2
Tech Sheet 110826		

**3/4" BSPP Inlet x 1/2" BSPP Outlet, with Drain Option, 1/4" (Blind)**

9183	No. of Inlets	No. of Outlets
APLALL068	1	2
Tech Sheet 110826		

## 3 Port



**1/2" BSPP Inlet x 1/2" BSPP Outlet, with Drain Option, 1/4" (Blind)**

9183	No. of Inlets	No. of Outlets
DIRAPFRLAL048048	1	3
Tech Sheet 110826		

## 4 Port



**1/2" BSPP Inlet x 1/2" BSPP Outlet, with Drain Option, 1/4" (Blind)**

9183	No. of Inlets	No. of Outlets
DIRAPLAL048048	1	4
Tech Sheet 110826		

**3/4" BSPP Inlet x 1/2" BSPP Outlet, with Drain Option, 1/4" (Blind)**

9183	No. of Inlets	No. of Outlets
DIRAPLAL068068	1	4
Tech Sheet 110826		

## 5 Port



**3/4" BSPP Inlet x 3/4" & 1/2" BSPP Outlet, with Drain Option, 1/4" (Blind)**

9183	No. of Inlets	No. of Outlets A (side)	No. of Outlets B (front)
DIRPMUAL120	1	2	3
Tech Sheet 110826			

## 6 Port



**3/4" BSPP Inlet x 3/8" BSPP Outlet, No Drain**

9183	No. of Inlets	No. of Outlets
APLALLMUL068038	1	6
Tech Sheet 110826		

**1/2" BSPP Inlet x 3/4" BSPP Outlet, No Drain**

9183	No. of Inlets	No. of Outlets
APLALLMUL068048	1	6
Tech Sheet 110826		

## 7 Port



**3/4" BSPP Inlet x 1/2" BSPP Outlet, with Drain Option, 1/4" (Blind)**

9183	No. of Inlets	No. of Outlets
DIRPMUAL200	1	7
Tech Sheet 110826		

## Drain Valve



**1/4" BSPP Male**

9183	Thread
DIRVSP028	1/4"
Tech Sheet 110826	



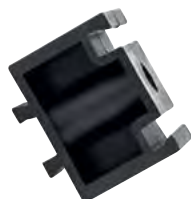
## Pipe Brackets



## M8 Insert Pieces

9183	Ø mm	Insert
DIRFEM8016CF	16	M8
DIRFEM8020CF	20	M8
DIRFEM8025CF	25	M8
DIRFEM8032CF	32	M8
DIRFEM8040CF	40	M8
DIRFEM8050CF	50	M8
DIRFEM8063CF	63	M8
DIRFEM8080CF	80	M8
DIRFEM8110CF	110	M8

Tech Sheet 110827



## Pipe Bracket Spacers

9183	Ø mm	Ø mm
DIRSPE020032	20	32
DIRSPE040063	40	63

Tech Sheet 110827

## Deburrers



## To suit Tube Sizes 16mm - 110mm

9183	Ø mm	Ø mm
DIRSM016050	16	50
DIRSM063110	63	110

Tech Sheet 110827



## To suit Tube Sizes 16mm - 168.3mm

9183	Ø mm	Nominal Bore mm
DIRSBVUNI	16	168.3

Tech Sheet 110827

## Aluminium Spigots

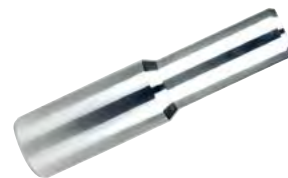


## Male BSPP x Stem

9183	Ø mm	Thread
QLPUNM016038	16	3/8"
QLPUNM020048	20	1/2"
QLPUNM020068	20	3/4"
QLPUNM025088	25	1"
QLPUNM032108	32	1.1/4"
QLPUNM040128	40	1.1/2"
QLPUNM050168	50	2"
QLPUNM063168	63	2"
QLPUNM080248	80	3"

Tech Sheet 110827

## Reduction Pipe



## Stem x Stem

9183	Ø mm	Ø mm
QLRIDTU025020	25	20
QLRIDTU032020	32	20
QLRIDTU032025	32	25
QLRIDTU040025	40	25
QLRIDTU040032	40	32
QLRIDTU050032	50	32
QLRIDTU050040	50	40
QLRIDTU063040	63	40
QLRIDTU063050	63	50
QLRIDTU080050	80	50
QLRIDTU080063	80	63
QLRIDTU110050	110	50
QLRIDTU110063	110	63
QLRIDTU110080	110	80

Tech Sheet 110827



## Flexible Hoses



### Stem x Stem

9183	Ø mm
QLFLEX020	20
QLFLEX025	25
QLFLEX032	32
QLFLEX040	40
QLFLEX063	63

Tech Sheet 110827

## Multilayer Pipe Bending Tools



### Bending Gun

9260	Ø mm	Ø mm
DIRPIEGTMLS1625	16	25

Tech Sheet



### Calibrator & Chamfering Tool

9260	Ø mm	Ø mm
DIRCALML016025	16	25

Tech Sheet 110827



### Outer Bending Spring

9260	Ø mm
DIRMOLMLEST016	16
DIRMOLMLEST020	20
DIRMOLMLEST025	25

Tech Sheet 110827



### Inner Bending Spring

9260	Ø mm
DIRMOLMLINT016	16
DIRMOLMLINT020	20
DIRMOLMLINT025	25

Tech Sheet 110827

## Assembly Lubrication



### Lubrication Fluid (Oil Free)

9183	Size ml
DIRLUB0750	750

Tech Sheet 110844



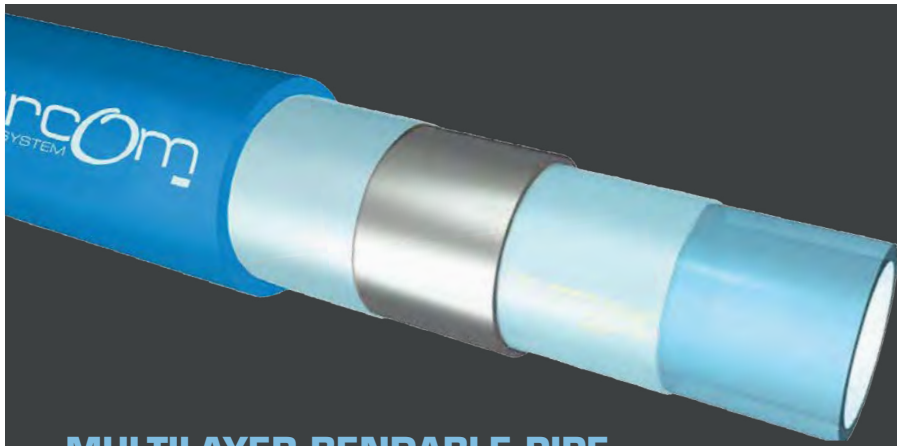
### Lubrication Gel (Oil Free)

9183	Size ml
DIRLUBGEL0950	950

Tech Sheet 110827







## MULTILAYER BENDABLE PIPE

# BENDABLE, RESISTANT AND SPECIFIC FOR COMPRESSED AIR

Due to its unique structure, Aircom's multilayer pipe for compressed air delivers excellent physical and chemical features, typical of PE-RT.

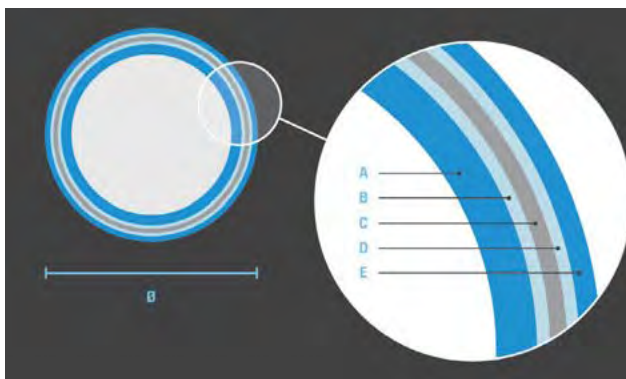
The structure of the multilayer pipe incorporates an aluminium layer, providing resistance to high pressures and high operating temperatures.

The lightness of the material enables easy shaping of piping sections, making installation trouble-free even in problem areas.

## AIRCOM'S MULTILAYER PIPE ADVANTAGES

- ✓ Specifically for compressed air piping.
- ✓ Easy creation of shaped piping sections.
- ✓ Easy to fit around obstacles, corners, pillars, etc.
- ✓ Easy installation owing to its bendability.
- ✓ Linear thermal expansion factor similar to aluminium pipe.
- ✓ Corrosion resistant.
- ✓ Outstanding durability.

## LAYERS AND MATERIALS



- A PE-RT (inner layer, colourless)
- B Adhesive layer
- C Aluminium layer, overlapped and ultrasonic welded
- D Adhesive layer
- E PE-RT (outer layer, blue)

# UPVC METRIC PIPE SYSTEM



**Working Temperature:**  
 All pressures quoted are based on a working temperature of 20°C  
**PVC-U Systems** should never be used for temperatures in excess of 60°C

**Maximum Working Pressure:**  
 16 bar Plain Fittings  
 12 bar Threaded Fittings  
*(Sizes 200mm/225mm with reduced safety factor)*

20°C	30°C	40°C	50°C	60°C
16.0 bar	12.8 bar	9.2 bar	6.2 bar	3.5 bar

## Sockets & Reducing Bushes



### Equal Socket

1050	ID mm
SO-16-UPVC	16
SO-20-UPVC	20
SO-25-UPVC	25
SO-32-UPVC	32
SO-40-UPVC	40
SO-50-UPVC	50
SO-63-UPVC	63
SO-75-UPVC	75
SO-90-UPVC	90
SO-110-UPVC	110
SO-125-UPVC	125
SO-140-UPVC	140
SO-160-UPVC	160
SO-200-UPVC	200
SO-225-UPVC	225

Tech Sheet 10256



### Reducing Socket

1050	ID mm	ID mm
RSO-2016-UPVC	20	16
RSO-2516-UPVC	25	16
RSO-2520-UPVC	25	20
RSO-3220-UPVC	32	20
RSO-3225-UPVC	32	25
RSO-4020-UPVC	40	20
RSO-4025-UPVC	40	25
RSO-4032-UPVC	40	32
RSO-5025-UPVC	50	25
RSO-5032-UPVC	50	32
RSO-5040-UPVC	50	40
RSO-6340-UPVC	63	40
RSO-6350-UPVC	63	50
RSO-7540-UPVC	75	40
RSO-7550-UPVC	75	50
RSO-7563-UPVC	75	63
RSO-9040-UPVC	90	40
RSO-9050-UPVC	90	50
RSO-9063-UPVC	90	63
RSO-9075-UPVC	90	75
RSO-11050-UPVC	110	50
RSO-11063-UPVC	110	63
RSO-11075-UPVC	110	75
RSO-11090-UPVC	110	90
RSO-12590-UPVC	125	90
RSO-125110-UPVC	125	110
RSO-14090-UPVC	140	90
RSO-140110-UPVC	140	110
RSO-140125-UPVC	140	125
RSO-160110-UPVC	160	110
RSO-160140-UPVC	160	140

Tech Sheet 10256



### Reducing Bush

1050	OD mm	ID mm
RB-2016-UPVC	20	16
RB-2516-UPVC	25	16
RB-2520-UPVC	25	20
RB-3216-UPVC	32	16
RB-3220-UPVC	32	20
RB-3225-UPVC	32	25
RB-4020-UPVC	40	20
RB-4025-UPVC	40	25
RB-4032-UPVC	40	32
RB-5025-UPVC	50	25
RB-5032-UPVC	50	32
RB-5040-UPVC	50	40
RB-6325-UPVC	63	25
RB-6332-UPVC	63	32
RB-6340-UPVC	63	40
RB-6350-UPVC	63	50
RB-7532-UPVC	75	32
RB-7540-UPVC	75	40
RB-7550-UPVC	75	50
RB-7563-UPVC	75	63
RB-9050-UPVC	90	50
RB-9063-UPVC	90	63
RB-9075-UPVC	90	75
RB-11063-UPVC	110	63
RB-11075-UPVC	110	75
RB-11090-UPVC	110	90
RB-12575-UPVC	125	75
RB-12590-UPVC	125	90
RB-125110-UPVC	125	110
RB-14090-UPVC	140	90
RB-140110-UPVC	140	110
RB-140125-UPVC	140	125
RB-16090-UPVC	160	90
RB-160110-UPVC	160	110
RB-160125-UPVC	160	125
RB-160140-UPVC	160	140
RB-180125-UPVC	180	125
RB-180140-UPVC	180	140
RB-180160-UPVC	180	160
RB-200160-UPVC	200	160
RB-200180-UPVC	200	180
RB-225160-UPVC	225	160
RB-225200-UPVC	225	200

Tech Sheet 10256



### Plain x Threaded Socket, BSPP

1050	ID mm	Thread
TSO-16-38-UPVC	16	3/8"
TSO-20-12-UPVC	20	1/2"
TSO-25-34-UPVC	25	3/4"
TSO-32-1-UPVC	32	1"
TSO-40-114-UPVC	40	1.1/4"
TSO-50-112-UPVC	50	1.1/2"
TSO-63-2-UPVC	63	2"
TSO-75-212-UPVC	75	2.1/2"
TSO-90-3-UPVC	90	3"
TSO-110-4-UPVC	110	4"
TSO-125-5-UPVC	125	5"

Tech Sheet 10256



**Working Temperature:**  
All pressures quoted are based on a working temperature of 20°C

**PVC-U Systems** should never be used for temperatures in excess of 60°C



**Maximum Working Pressure:**  
16 bar Plain Fittings  
12 bar Threaded Fittings  
(Sizes 200mm/225mm with reduced safety factor)

20°C	30°C	40°C	50°C	60°C
16.0 bar	12.8 bar	9.2 bar	6.2 bar	3.5 bar

## Elbows & Bends



### Equal 90° Elbow

1050	ID mm
EE-90-16-UPVC	16
EE-90-20-UPVC	20
EE-90-25-UPVC	25
EE-90-32-UPVC	32
EE-90-40-UPVC	40
EE-90-50-UPVC	50
EE-90-63-UPVC	63
EE-90-75-UPVC	75
EE-90-90-UPVC	90
EE-90-110-UPVC	110
EE-90-125-UPVC	125
EE-90-140-UPVC	140
EE-90-160-UPVC	160
EE-90-200-UPVC	200
EE-90-225-UPVC	225

Tech Sheet 10256



### Equal 45° Elbow

1050	ID mm
EE-45-16-UPVC	16
EE-45-20-UPVC	20
EE-45-25-UPVC	25
EE-45-32-UPVC	32
EE-45-40-UPVC	40
EE-45-50-UPVC	50
EE-45-63-UPVC	63
EE-45-75-UPVC	75
EE-45-90-UPVC	90
EE-45-110-UPVC	110
EE-45-125-UPVC	125
EE-45-140-UPVC	140
EE-45-160-UPVC	160
EE-45-200-UPVC	200
EE-45-225-UPVC	225

Tech Sheet 10256



### Equal 90° Bend, Short Radius

1050	ID mm
EB-90-20-UPVC	20
EB-90-25-UPVC	25
EB-90-32-UPVC	32
EB-90-40-UPVC	40
EB-90-50-UPVC	50
EB-90-63-UPVC	63
EB-90-75-UPVC	75
EB-90-90-UPVC	90
EB-90-110-UPVC	110

Tech Sheet 10256



### Equal 45° Bend, Short Radius

1050	ID mm
EB-45-32-UPVC	32
EB-45-40-UPVC	40
EB-45-63-UPVC	63
EB-45-75-UPVC	75
EB-45-90-UPVC	90

Tech Sheet 10256



### Plain x Threaded 90° Elbow, BSPP

1050	ID mm	Thread
TE-90-16-UPVC	16	3/8"
TE-90-20-UPVC	20	1/2"
TE-90-25-UPVC	25	3/4"
TE-90-32-UPVC	32	1"
TE-90-40-UPVC	40	1.1/4"
TE-90-50-UPVC	50	1.1/2"
TE-90-63-UPVC	63	2"
TE-90-75-UPVC	75	2.1/2"
TE-90-90-UPVC	90	3"
TE-90-110-UPVC	110	4"

Tech Sheet 10256



### Plain x Threaded 45° Elbow, BSPP

1050	ID mm	Thread
TE-45-16-UPVC	16	3/8"
TE-45-20-UPVC	20	1/2"
TE-45-25-UPVC	25	3/4"
TE-45-32-UPVC	32	1"
TE-45-40-UPVC	40	1.1/4"
TE-45-50-UPVC	50	1.1/2"
TE-45-63-UPVC	63	2"
TE-45-75-UPVC	75	2.1/2"
TE-45-90-UPVC	90	3"
TE-45-110-UPVC	110	4"

Tech Sheet 10256

# UPVC METRIC PIPE SYSTEM



**Working Temperature:**  
 All pressures quoted are based on a working temperature of 20°C  
**PVC-U Systems** should never be used for temperatures in excess of 60°C

**Maximum Working Pressure:**  
 16 bar Plain Fittings  
 12 bar Threaded Fittings  
*(Sizes 200mm/225mm with reduced safety factor)*

20°C	30°C	40°C	50°C	60°C
16.0 bar	12.8 bar	9.2 bar	6.2 bar	3.5 bar

## Tees



### Equal Tee

1050	ID mm
T-16-UPVC	16
T-20-UPVC	20
T-25-UPVC	25
T-32-UPVC	32
T-40-UPVC	40
T-50-UPVC	50
T-63-UPVC	63
T-75-UPVC	75
T-90-UPVC	90
T-110-UPVC	110
T-125-UPVC	125
T-140-UPVC	140
T-160-UPVC	160
T-200-UPVC	200
T-225-UPVC	225

Tech Sheet 10256



### Reducing Branch Tee

1050	ID mm	ID mm
TR-2016-UPVC	20	16
TR-2516-UPVC	25	16
TR-2520-UPVC	25	20
TR-3216-UPVC	32	16
TR-3220-UPVC	32	20
TR-3225-UPVC	32	25
TR-4016-UPVC	40	16
TR-4020-UPVC	40	20
TR-4025-UPVC	40	25
TR-4032-UPVC	40	32
TR-5020-UPVC	50	20
TR-5025-UPVC	50	25
TR-5032-UPVC	50	32
TR-5040-UPVC	50	40
TR-6320-UPVC	63	20
TR-6325-UPVC	63	25
TR-6332-UPVC	63	32
TR-6340-UPVC	63	40
TR-6350-UPVC	63	50
TR-7532-UPVC	75	32
TR-7540-UPVC	75	40
TR-7550-UPVC	75	50
TR-7563-UPVC	75	63
TR-9040-UPVC	90	40
TR-9050-UPVC	90	50
TR-9063-UPVC	90	63
TR-9075-UPVC	90	75
TR-11050-UPVC	110	50
TR-11063-UPVC	110	63
TR-11075-UPVC	110	75
TR-11090-UPVC	110	90
TR-12563-UPVC	125	63
TR-12575-UPVC	125	75
TR-12590-UPVC	125	90
TR-125110-UPVC	125	110
TR-14075-UPVC	140	75
TR-14090-UPVC	140	90
TR-140110-UPVC	140	110
TR-140125-UPVC	140	125
TR-16090-UPVC	160	90
TR-160110-UPVC	160	110
TR-160125-UPVC	160	125
TR-160140-UPVC	160	140

Tech Sheet 10256



### Equal 45° Tee

1050	ID mm
TY-16-UPVC	16
TY-20-UPVC	20
TY-25-UPVC	25
TY-32-UPVC	32
TY-40-UPVC	40
TY-50-UPVC	50
TY-63-UPVC	63

Tech Sheet 10256

## Crosses



### Equal Cross

1050	ID mm
X-16-UPVC	16
X-20-UPVC	20
X-25-UPVC	25
X-32-UPVC	32
X-40-UPVC	40
X-50-UPVC	50
X-63-UPVC	63
X-75-UPVC	75
X-90-UPVC	90
X-110-UPVC	110

Tech Sheet 10256

## Caps



### Plain

1050	ID mm
BC-16-UPVC	16
BC-20-UPVC	20
BC-25-UPVC	25
BC-32-UPVC	32
BC-40-UPVC	40
BC-50-UPVC	50
BC-63-UPVC	63
BC-75-UPVC	75
BC-90-UPVC	90
BC-110-UPVC	110
BC-125-UPVC	125
BC-140-UPVC	140
BC-160-UPVC	160
BC-200-UPVC	200
BC-225-UPVC	225

Tech Sheet 10256



# 5 UPVC METRIC PIPE SYSTEM



**Working Temperature:**  
 All Pressures quoted are based on a working temperature of 20°C  
**PVC-U Systems** should never be used for temperatures in excess of 60°C

**Maximum Working Pressure:**  
 16 bar Plain Fittings  
 12 bar Threaded Fittings  
 (excluding 75mm-110mm Unions, which are 10 bar rated)

20°C	30°C	40°C	50°C	60°C
16.0 bar	12.8 bar	9.2 bar	6.2 bar	3.5 bar

## Unions



### Equal Union

1050	ID mm
U-16-UPVC	16
U-20-UPVC	20
U-25-UPVC	25
U-32-UPVC	32
U-40-UPVC	40
U-50-UPVC	50
U-63-UPVC	63
U-75-UPVC	75
U-90-UPVC	90
U-110-UPVC	110

Tech Sheet 10256



### Plain x Threaded Union, BSPP

1050	ID mm	Thread
UT-16-UPVC	16	3/8"
UT-20-UPVC	20	1/2"
UT-25-UPVC	25	3/4"
UT-32-UPVC	32	1"
UT-40-UPVC	40	1.1/4"
UT-50-UPVC	50	1.1/2"
UT-63-UPVC	63	2"
UT-75-UPVC	75	2.1/2"
UT-90-UPVC	90	3"
UT-110-UPVC	110	4"

Tech Sheet 10256

## Threaded Adaptors



### Plain x Male Threaded Adaptor, BSPP

1050	ID mm	OD mm	Thread
MTA-12-38-UPVC	12	16	3/8"
MTA-16-12-UPVC	16	20	1/2"
MTA-16-38-UPVC	16	20	3/8"
MTA-20-12-UPVC	20	25	1/2"
MTA-20-34-UPVC	20	25	3/4"
MTA-20-38-UPVC	20	25	3/8"
MTA-25-1-UPVC	25	32	1"
MTA-25-12-UPVC	25	32	1/2"
MTA-25-34-UPVC	25	32	3/4"
MTA-32-1-UPVC	32	40	1"
MTA-32-114-UPVC	32	40	1.1/4"
MTA-32-34UPVC	32	40	3/4"
MTA-40-1-UPVC	40	50	1"
MTA-40-112-UPVC	40	50	1.1/2"
MTA-40-114-UPVC	40	50	1.1/4"
MTA-50-112-UPVC	50	63	1.1/2"
MTA-50-114-UPVC	50	63	1.1/4"
MTA-50-2-UPVC	50	63	2"
MTA-63-112-UPVC	63	75	1.1/2"
MTA-63-2-UPVC	63	75	2"
MTA-63-212-UPVC	63	75	2.1/2"
MTA-75-2-UPVC	75	90	2"
MTA-75-212-UPVC	75	90	2.1/2"
MTA-75-3-UPVC	75	90	3"
MTA-90-212-UPVC	90	110	2.1/2"
MTA-90-3-UPVC	90	110	3"
MTA-90-4-UPVC	90	110	4"
MTA-110-3-UPVC	110	125	3"
MTA-110-4-UPVC	110	125	4"
MTA-110-5-UPVC	110	125	5"

Tech Sheet 10256



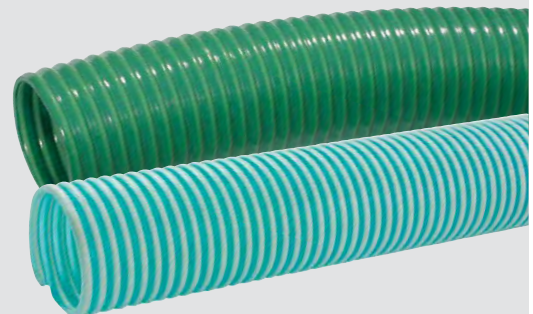
### Plain x Female Threaded Adaptor, BSPP

1050	OD mm	Thread
FTA-16-38-UPVC	16	3/8"
FTA-16-12-UPVC	16	1/2"
FTA-20-12-UPVC	20	1/2"
FTA-20-34-UPVC	20	3/4"
FTA-25-1-UPVC	25	1"
FTA-25-12-UPVC	25	1/2"
FTA-25-34-UPVC	25	3/4"
FTA-32-1-UPVC	32	1"
FTA-32-34-UPVC	32	3/4"
FTA-40-1-UPVC	40	1"
FTA-40-114-UPVC	40	1.1/4"
FTA-50-112-UPVC	50	1.1/2"
FTA-50-114-UPVC	50	1.1/4"
FTA-50-2-UPVC	50	2"
FTA-63-112-UPVC	63	1.1/2"
FTA-63-2-UPVC	63	2"
FTA-75-2-UPVC	75	2"
FTA-75-212-UPVC	75	2.1/2"
FTA-90-212-UPVC	90	2.1/2"
FTA-90-3-UPVC	90	3"
FTA-90-4-UPVC	90	4"
FTA-110-3-UPVC	110	3"
FTA-110-4-UPVC	110	4"

Tech Sheet 10256



Customers who bought from this page also purchased **Suction Hose** see **Industrial Section 7**



# UPVC METRIC PIPE SYSTEM



**Working Temperature:**  
All pressures quoted are based on a working temperature of 20°C

PVC-U Systems should never be used for temperatures in excess of 60°C



**Maximum Working Pressure:**  
16 bar Plain fittings  
12 bar Threaded fittings

## Flanges



### Stub Flange, Serrated Face

1050	ID mm
SF-20-UPVC	20
SF-25-UPVC	25
SF-32-UPVC	32
SF-40-UPVC	40
SF-50-UPVC	50
SF-63-UPVC	63
SF-75-UPVC	75
SF-90-UPVC	90
SF-110-UPVC	110

Tech Sheet 10256



### PN16 Blanking Flange

1050	To Suit mm	Flange Size
BPN16-20-UPVC	20	1/2"
BPN16-25-UPVC	25	3/4"
BPN16-32-UPVC	32	1"
BPN16-40-UPVC	40	1.1/4"
BPN16-50-UPVC	50	1.1/2"
BPN16-63-UPVC	63	2"
BPN16-75-UPVC	75	2.1/2"
BPN16-90-UPVC	90	3"
BPN16-110-UPVC	110	4"

Tech Sheet 10256



### PN16 Galvanised Backing Ring

1050	To Suit mm
GBR-20	20
GBR-25	25
GBR-32	32
GBR-40	40
GBR-50	50
GBR-63	63
GBR-75	75
GBR-90	90
GBR-110	110

Tech Sheet 10256



### ASA150 Blanking Flange

1050	To Suit mm	Flange Size
BASA150-32-UPVC	32	1"
BASA150-40-UPVC	40	1.1/4"
BASA150-50-UPVC	50	1.1/2"
BASA150-63-UPVC	63	2"
BASA150-75-UPVC	75	2.1/2"
BASA150-90-UPVC	90	3"
BASA150-110-UPVC	110	4"

Tech Sheet 10256



### PN16 UPVC Backing Ring

1050	To Suit mm
UPVCBR-20	20
UPVCBR-25	25
UPVCBR-32	32
UPVCBR-40	40
UPVCBR-50	50
UPVCBR-63	63
UPVCBR-75	75
UPVCBR-90	90
UPVCBR-110	110

Tech Sheet 10256



### PN16 Flange Gasket, EPDM

1050	To Suit mm
PNFG-20	20
PNFG-25	25
PNFG-32	32
PNFG-40	40
PNFG-50	50
PNFG-63	63
PNFG-75	75
PNFG-90	90
PNFG-110	110

Tech Sheet 10256



### ASA150 Flange Gasket, EPDM

1050	To Suit mm
ASAFG-20	20
ASAFG-25	25
ASAFG-32	32
ASAFG-40	40
ASAFG-50	50
ASAFG-63	63
ASAFG-75	75
ASAFG-90	90
ASAFG-110	110

Tech Sheet 10256

### PN16 Full Face Flange

1050	ID mm	Flange Size
FPN16-20-UPVC	20	1/2"
FPN16-25-UPVC	25	3/4"
FPN16-32-UPVC	32	1"
FPN16-40-UPVC	40	1.1/4"
FPN16-50-UPVC	50	1.1/2"
FPN16-63-UPVC	63	2"
FPN16-75-UPVC	75	2.1/2"
FPN16-90-UPVC	90	3"
FPN16-110-UPVC	110	4"

Tech Sheet 10256

### ASA150 Full Face Flange

1050	ID mm	Flange Size
FASA150-25-UPVC	25	3/4"
FASA150-32-UPVC	32	1"
FASA150-40-UPVC	40	1.1/4"
FASA150-50-UPVC	50	1.1/2"
FASA150-63-UPVC	63	2"
FASA150-75-UPVC	75	2.1/2"
FASA150-90-UPVC	90	3"
FASA150-110-UPVC	110	4"

Tech Sheet 10256

### Stub Flange Gasket, EPDM

1050	To Suit mm
SFG-20	20
SFG-25	25
SFG-32	32
SFG-40	40
SFG-50	50
SFG-63	63
SFG-75	75
SFG-90	90
SFG-110	110

Tech Sheet 10256





## Industrial Valves

**Working Temperature:** All pressures quoted are based on a working temperature of 20°C

**PVC-U Systems** should never be used for temperatures in excess of 60°C

**Maximum Working Pressure:**  
16 bar Plain ends  
12 bar Threaded ends up to 63mm.  
10 bar 75mm-110mm



### Double Union Ball Valve, EPDM Seals

1050	ID mm
DUBV-16-UPVC	16
DUBV-20-UPVC	20
DUBV-25-UPVC	25
DUBV-32-UPVC	32
DUBV-40-UPVC	40
DUBV-50-UPVC	50
DUBV-63-UPVC	63
DUBV-75-UPVC	75
DUBV-90-UPVC	90
DUBV-110-UPVC	110

Tech Sheet 10256



### Double Union Spring Check Valve, EPDM Seals

1050	ID mm
DUCV-16-UPVC	16
DUCV-20-UPVC	20
DUCV-25-UPVC	25
DUCV-32-UPVC	32
DUCV-40-UPVC	40
DUCV-50-UPVC	50
DUCV-63-UPVC	63
DUCV-75-UPVC	75
DUCV-90-UPVC	90
DUCV-110-UPVC	110

Tech Sheet 10256



### Double Union Foot Valve, EPDM Seals

1050	ID mm
DUFV-20-UPVC	20
DUFV-25-UPVC	25
DUFV-32-UPVC	32
DUFV-40-UPVC	40
DUFV-50-UPVC	50
DUFV-63-UPVC	63
DUFV-75-UPVC	75
DUFV-90-UPVC	90
DUFV-110-UPVC	110

Tech Sheet 10256

## UPVC Tubing

**Working Temperature:** All pressures quoted are based on a working temperature of 20°C

**PVC-U Systems** should never be used for temperatures in excess of 60°C

**Maximum Working Pressure:**  
16 bar

**Maximum Working Pressure:**  
16 bar

4 Metre lengths may take up to 3 working days to be delivered, dependant on weight and delivery address location. Additional carriage charges may apply. For full details please contact sales.



### PN16, 6 Metre Lengths

0118	OD mm
UPVC/TUBE-6-16	16
UPVC/TUBE-6-20	20
UPVC/TUBE-6-25	25
UPVC/TUBE-6-32	32
UPVC/TUBE-6-40	40
UPVC/TUBE-6-50	50
UPVC/TUBE-6-63	63
UPVC/TUBE-6-75	75
UPVC/TUBE-6-90	90
UPVC/TUBE-6-110	110
UPVC/TUBE-6-140	140
UPVC/TUBE-6-160	160
UPVC/TUBE-6-225	225

Tech Sheet 10256

### PN16, 3 Metre Lengths

0118	OD mm
UPVC/TUBE-3-16	16
UPVC/TUBE-3-20	20
UPVC/TUBE-3-25	25
UPVC/TUBE-3-32	32
UPVC/TUBE-3-40	40
UPVC/TUBE-3-50	50
UPVC/TUBE-3-63	63
UPVC/TUBE-3-75	75
UPVC/TUBE-3-90	90
UPVC/TUBE-3-110	110
UPVC/TUBE-3-140	140
UPVC/TUBE-3-160	160
UPVC/TUBE-3-225	225

Tech Sheet 10256

## Clear UPVC Tubing

**Please Note:** Clear PVC pipe is not suitable for outdoor use without adequate UV protection.

4 Metre lengths may take up to 3 working days to be delivered, dependant on weight and delivery address location. Additional carriage charges may apply. For full details please contact sales.



### With Blue Tint, 5 Metre Lengths

0118	OD mm	Wall Thickness mm
CUPVC/TUBE2015	20	1.5
CUPVC/TUBE2515	25	1.5
CUPVC/TUBE2519	25	1.9
CUPVC/TUBE3218	32	1.8
CUPVC/TUBE3224	32	2.4
CUPVC/TUBE4020	40	2
CUPVC/TUBE4030	40	3
CUPVC/TUBE5018	50	1.8
CUPVC/TUBE5024	50	2.4
CUPVC/TUBE5037	50	3.7
CUPVC/TUBE6318	63	1.8
CUPVC/TUBE6330	63	3
CUPVC/TUBE6347	63	4.7
CUPVC/TUBE-7518	75	1.8
CUPVC/TUBE-7536	75	3.6
CUPVC/TUBE-9018	90	1.8
CUPVC/TUBE-9043	90	4.3
CUPVC/TUBE-11022	110	2.2
CUPVC/TUBE-11053	110	5.3
CUPVC/TUBE-12525	125	2.5
CUPVC/TUBE-14028	140	2.8
CUPVC/TUBE-16032	160	3.2
CUPVC/TUBE-16047	160	4.7

Tech Sheet 10256

## Pipe Clips



### Black PP Clips

1050	ID mm	Type
PPCLIP-16	16	1
PPCLIP-20	20	1
PPCLIP-25	25	1
PPCLIP-32	32	1
PPCLIP-40	40	2
PPCLIP-50	50	2
PPCLIP-63	63	2
PPCLIP-75	75	2
PPCLIP-90	90	2
PPCLIP-110	110	2
PPCLIP-140	140	2
PPCLIP-160	160	2
PPCLIP-225	225	3

Tech Sheet 10256

# UPVC METRIC PIPE SYSTEM



**Working Temperature:**  
All pressures quoted are based on a working temperature of 20°C

**PVC-U Systems** should never be used for temperatures in excess of 60°C



**Maximum Working Pressure:**  
16 bar Plain fittings  
12 bar Threaded fittings

## Hose Connections



### Male Spigot, Metric x Hose Tail, Metric

1050	Tube OD mm	Hosetail mm
HN50-1212-UPVC	12	12
HN50-1616-UPVC	16	16
HN50-2020-UPVC	20	20
HN50-2525-UPVC	25	25
HN50-3232-UPVC	32	32
HN50-4040-UPVC	40	40
HN50-5050-UPVC	50	50
HN50-6060-UPVC	63	63

## Tank Connectors



### Plain x Female, BSPP

1050	Tube OD mm	Thread
TC-32-1-UPVC	32	1"
TC-10-114-UPVC	40	1.1/4"

## Threaded Adaptors



### Plain x Threaded Female Stainless Steel Reinforced, BSPP

1050	Tube OD mm	Thread
FTA-50-112-UPVC	50	1.1/2"



### Plain Male x Threaded Female Stainless Steel Reinforced, BSPP

1050	Tube OD mm	Thread
MFTA-50-112-UPVC	50	1.1/2"

## Tube O.D. - Size Conversion Table

Nominal Bore	Outside Diameter
3/8"	17.1mm
1/2"	21.3mm
3/4"	26.7mm
1"	33.4mm
1.1/4"	42.2mm
1.1/2"	48.3mm
2"	60.3mm
2.1/2"	75mm
3"	88.9mm
4"	114.3mm
5"	140mm
6"	168.3mm
8"	219.1mm

## Valves



### Standard Plain Single Union Ball Valve, EPDM Seals

1050	Tube OD mm
SUBV-25-UPCV	25
SUBV-32-UPCV	32

## Valve End



### UPVC Plain Valve End

1050	Tube OD mm
VE-32-UPVC	32



**Working Temperature:**  
All pressures quoted are based on a working temperature of 20°C

**PVC-U Systems** should never be used for temperatures in excess of 60°C



**Maximum Working Pressure:**  
16 bar Plain fittings  
12 bar Threaded fittings

## Tubing Accessories



### Emery Tape 38mm x 5 Metres

1050	Size
ET-38-5	38mm x 5 Metres



### Griffon UNI100 UPVC Cement

1050	Millilitres
UNI100-250-UPVC	250
UNI100-500-UPVC	500



### Griffon Aqua-Max Pool Sealant

1050	Grams
AQM-SEALANT	425



### 1" Glue Brush

1050	Description
GB-1	1" Glue Brush



### Griffon WDF-05 Quick Set Cement

1050	Millilitres
QSC-250	250
QSC-500	500



### Griffon Cable Saw

1050	Description
CABLESAW	Cable Saw



### Griffon HCR-36 Chemical Cleaner

1050	Millilitres
HCR-36-CLEANER	500



### Griffon HCR-36 Chemical Cement

1050	Millilitres
CHEMC-1000	1000



### Griffon Chamfering Tool 1/2" - 2"

1050	Description
CT-12-2	Chamfering Tool 1/2" - 2"



### Griffon UNI100 GT Slow Setting UPVC Cement

1050	Litres
SSC-5000-UPVC	5

# UPVC IMPERIAL PIPE SYSTEM



**Recommended Working Temperature:**  
0°C to 60°C

**Pressure Ratings for Fittings:**  
15 bar (8" with reduced safety factor)

For Air Ring Mains use ABS. UPVC is not suitable for use with compressed air.

**UPVC** = Unplasticized Poly Vinyl Chloride  
**ABS** = Acrylonitrile-Butadiene-Styrene Copolymers



## Sockets & Reducing Bushes



### Equal Socket

1050	Nominal Bore ID
SO13-12-UPVC	1/2"
SO13-34-UPVC	3/4"
SO13-1-UPVC	1"
SO13-114-UPVC	1.1/4"
SO13-112-UPVC	1.1/2"
SO13-2-UPVC	2"
SO13-212-UPVC	2.1/2"
SO13-3-UPVC	3"
SO13-4-UPVC	4"
SO13-5-UPVC	5"
SO13-6-UPVC	6"
SO13-8-UPVC	8"

Tech Sheet 10254



### Reducing Socket

1050	Nominal Bore ID	Nominal Bore ID
RS13-3412-UPVC	3/4"	1/2"
RS13-134-UPVC	1"	3/4"
RS13-1141-UPVC	1.1/4"	1"
RS13-112112-UPVC	1.1/2"	1.1/4"
RS13-2112-UPVC	2"	1.1/2"
RS13-2122-UPVC	2.1/2"	2"
RS13-3212-UPVC	3"	2.1/2"
RS13-43-UPVC	4"	3"

Tech Sheet 10254

## Equal Barrel Nipples



### Male, BSPT

1050	Thread
BN11-14-UPVC	1/4"
BN11-38-UPVC	3/8"
BN11-12-UPVC	1/2"
BN11-34-UPVC	3/4"
BN11-1-UPVC	1"
BN11-114-UPVC	1.1/4"
BN11-112-UPVC	1.1/2"
BN11-2-UPVC	2"
BN11-212-UPVC	2.1/2"
BN11-3-UPVC	3"
BN11-4-UPVC	4"

Tech Sheet 10254



### Socket, Imperial x Metric

1050	Nominal Bore ID	ID mm
SO14-3534-UPVC	3/4"	25
SO14-321-UPVC	1"	32
SO14-40114-UPVC	1.1/4"	40
SO14-50112-UPVC	1.1/2"	50
SO14-632-UPVC	2"	63
SO14-903-UPVC	3"	90
SO14-1104-UPVC	4"	110

Tech Sheet 10254



### Plain x Threaded Reducing Bush, BSPP

1050	Nominal Bore ID	Thread
RB30-3814-UPVC	3/8"	1/4"
RB30-1214-UPVC	1/2"	1/4"
RB30-1238-UPVC	1/2"	3/8"
RB30-3438-UPVC	3/4"	1/2"
RB30-112-UPVC	1"	3/4"
RB30-11434-UPVC	1.1/4"	1"
RB30-1121-UPVC	1.1/2"	1.1/4"
RB30-2114-UPVC	2"	1.1/2"
RB30-212112-UPVC	2.1/2"	2"
RB30-3212-UPVC	3"	2.1/2"
RB30-43-UPVC	4"	3"

Tech Sheet 10254



### Reducing Bush

1050	Nominal Bore ID	Nominal Bore ID
RB93-3412-UPVC	3/4"	1/2"
RB93-112-UPVC	1"	1/2"
RB93-134-UPVC	1"	3/4"
RB93-11412-UPVC	1.1/4"	1/2"
RB93-11434-UPVC	1.1/4"	3/4"
RB93-1141-UPVC	1.1/4"	1"
RB93-11234-UPVC	1.1/2"	3/4"
RB93-1121-UPVC	1.1/2"	1"
RB93-112114-UPVC	1.1/2"	1.1/4"
RB93-21-UPVC	2"	1"
RB93-2114-UPVC	2"	1.1/4"
RB93-2112-UPVC	2"	1.1/2"
RB93-212112-UPVC	2.1/2"	1.1/2"
RB93-2122-UPVC	2.1/2"	2"
RB93-3112-UPVC	3"	1.1/2"
RB93-32-UPVC	3"	2"
RB93-3212-UPVC	3"	2.1/2"
RB93-42-UPVC	4"	2"
RB93-4212-UPVC	4"	2.1/2"
RB93-43-UPVC	4"	3"
RB93-53-UPVC	5"	3"
RB93-54-UPVC	5"	4"
RB93-64-UPVC	6"	4"
RB93-86-UPVC	8"	6"

Tech Sheet 10254

### Tube O.D. - Size Conversion Table

Nominal Bore	Outside Diameter
3/8"	17.1mm
1/2"	21.3mm
3/4"	26.7mm
1"	33.4mm
1.1/4"	42.2mm
1.1/2"	48.3mm
2"	60.3mm
2.1/2"	75mm
3"	88.9mm
4"	114.3mm
5"	140mm
6"	168.3mm
8"	219.1mm



# UPVC IMPERIAL PIPE SYSTEM



**Recommended Working Temperature:**  
0°C to 60°C



**Pressure Ratings for Fittings:**  
15 bar (8" with reduced safety factor)

For Air Ring Mains use ABS. UPVC is not suitable for use with compressed air.

**UPVC** = Unplasticized Poly Vinyl Chloride  
**ABS** = Acrylonitrile-Butadiene-Styrene Copolymers

## Elbows & Bends



### Equal 90° Elbow

1050	Nominal Bore ID
EL53-12-UPVC	1/2"
EL53-34-UPVC	3/4"
EL53-1-UPVC	1"
EL53-114-UPVC	1.1/4"
EL53-112-UPVC	1.1/2"
EL53-2-UPVC	2"
EL53-212-UPVC	2.1/2"
EL53-3-UPVC	3"
EL53-4-UPVC	4"
EL53-5-UPVC	5"
EL53-6-UPVC	6"
EL53-8-UPVC	8"

Tech Sheet 10254



### Plain x Threaded 90° Elbow, BSPP

1050	Nominal Bore ID	Thread
PVEP12	1/2"	1/2"
PVEP34	3/4"	3/4"
PVEP1	1"	1"
PVEP114	1.1/4"	1.1/4"
PVEP112	1.1/2"	1.1/2"
PVEP2	2"	2"
PVEP212	2.1/2"	2.1/2"
PVEP3	3"	3"
PVEP4	4"	4"

Tech Sheet 10254



### Equal 90° Bend Short Radius

1050	Nominal Bore ID
BE33-12-UPVC	1/2"
BE33-34-UPVC	3/4"
BE33-1-UPVC	1"
BE33-114-UPVC	1.1/4"
BE33-112-UPVC	1.1/2"
BE33-2-UPVC	2"
BE33-212-UPVC	2.1/2"
BE33-3-UPVC	3"
BE33-4-UPVC	4"

Tech Sheet 10254



### Equal 45° Elbow

1050	Nominal Bore ID
EY53-12-UPVC	1/2"
EY53-34-UPVC	3/4"
EY53-1-UPVC	1"
EY53-114-UPVC	1.1/4"
EY53-112-UPVC	1.1/2"
EY53-2-UPVC	2"
EY53-212-UPVC	2.1/2"
EY53-3-UPVC	3"
EY53-4-UPVC	4"
EY53-5-UPVC	5"
EY53-6-UPVC	6"
EY53-8-UPVC	8"

Tech Sheet 10254



### Plain x Threaded 45° Elbow, BSPP

1050	Nominal Bore ID	Thread
PVEP45-12	1/2"	1/2"
PVEP45-34	3/4"	3/4"
PVEP45-1	1"	1"
PVEP45-114	1.1/4"	1.1/4"
PVEP45-112	1.1/2"	1.1/2"
PVEP45-2	2"	2"
PVEP45-212	2.1/2"	2.1/2"
PVEP45-3	3"	3"
PVEP45-4	4"	4"

Tech Sheet 10254

## Tees



### Equal 45° Tee

1050	Nominal Bore ID
TY43-12-UPVC	1/2"
TY43-34-UPVC	3/4"
TY43-1-UPVC	1"
TY43-114-UPVC	1.1/4"
TY43-112-UPVC	1.1/2"
TY43-2-UPVC	2"
TY43-212-UPVC	2.1/2"

Tech Sheet 10254



### Plain x Threaded Branch Tee, BSPP

1050	Nominal Bore ID	Thread
PVTP12	1/2"	1/2"
PVTP34	3/4"	3/4"
PVTP1	1"	1"
PVTP114	1.1/4"	1.1/4"
PVTP112	1.1/2"	1.1/2"
PVTP2	2"	2"
PVTP212	2.1/2"	2.1/2"
PVTP3	3"	3"
PVTP4	4"	4"

Tech Sheet 10254



### Equal Tee

1050	Nominal Bore ID
TE43-12-UPVC	1/2"
TE43-34-UPVC	3/4"
TE43-1-UPVC	1"
TE43-114-UPVC	1.1/4"
TE43-112-UPVC	1.1/2"
TE43-2-UPVC	2"
TE43-212-UPVC	2.1/2"
TE43-3-UPVC	3"
TE43-4-UPVC	4"
TE43-5-UPVC	5"
TE43-6-UPVC	6"
TE43-8-UPVC	8"

Tech Sheet 10254

# UPVC IMPERIAL PIPE SYSTEM



**Working Temperature:**  
0°C to 60°C

**Maximum Working Pressure:**  
15 bar  
(8" with reduced safety factor)

For Air Ring Mains use ABS. UPVC is not suitable for use with compressed air.

**UPVC** = Unplasticized Poly Vinyl Chloride  
**ABS** = Acrylonitrile-Butadiene-Styrene Copolymers

## Crosses



### Equal Cross

1050	Nominal Bore ID
CR33-12-UPVC	1/2"
CR33-34-UPVC	3/4"
CR33-1-UPVC	1"
CR33-114-UPVC	1.1/4"
CR33-112-UPVC	1.1/2"
CR33-2-UPVC	2"
CR33-212-UPVC	2.1/2"

Tech Sheet 10254

## Caps



### Plain

1050	Nominal Bore ID
CA73-12-UPVC	1/2"
CA73-34-UPVC	3/4"
CA73-1-UPVC	1"
CA73-114-UPVC	1.1/4"
CA73-112-UPVC	1.1/2"
CA73-2-UPVC	2"
CA73-212-UPVC	2.1/2"
CA73-3-UPVC	3"
CA73-4-UPVC	4"
CA73-5-UPVC	5"
CA73-6-UPVC	6"
CA73-8-UPVC	8"

Tech Sheet 10254

## Unions



### Equal Union

1050	Nominal Bore ID
UN83-12-UPVC	1/2"
UN83-34-UPVC	3/4"
UN83-1-UPVC	1"
UN83-114-UPVC	1.1/4"
UN83-112-UPVC	1.1/2"
UN83-2-UPVC	2"
UN83-212-UPVC	2.1/2"
UN83-3-UPVC	3"
UN83-4-UPVC	4"

Tech Sheet 10254



### Plain x Male Threaded Union, BSPP

1050	Nominal Bore ID	Thread
PVUPM112	1.1/2"	1.1/2"
PVUPM2-112	2"	1.1/2"
PVUPM2	2"	2"

Tech Sheet 10254



### Plain x Female Threaded Union, BSPP

1050	Nominal Bore ID	Thread
PVUPF12	1/2"	1/2"
PVUPF34	3/4"	3/4"
PVUPF1	1"	1"
PVUPF114	1.1/4"	1.1/4"
PVUPF112	1.1/2"	1.1/2"
PVUPF2	2"	2"
PVUPF212	2.1/2"	2.1/2"
PVUPF3	3"	3"
PVUPF4	4"	4"

Tech Sheet 10254

## Tube O.D. - Size Conversion Table

Nominal Bore	Outside Diameter
3/8"	17.1mm
1/2"	21.3mm
3/4"	26.7mm
1"	33.4mm
1.1/4"	42.2mm
1.1/2"	48.3mm
2"	60.3mm
2.1/2"	75mm
3"	88.9mm
4"	114.3mm
5"	140mm
6"	168.3mm
8"	219.1mm





# UPVC IMPERIAL PIPE SYSTEM



**Working Temperature:**  
0°C to 60°C

**Maximum Working Pressure:**  
15 bar  
(8" with reduced safety factor)

For Air Ring Mains use ABS. UPVC is not suitable for use with compressed air.

**UPVC** = Unplasticized Poly Vinyl Chloride  
**ABS** = Acrylonitrile-Butadiene-Styrene Copolymers

## Threaded Adaptors



### Male, BSPP

1050	Nominal Bore ID	Thread
AD32-3-UPVC	1/2"	1/2"
AD32-4-UPVC	3/4"	1/2"
AD32-5-UPVC	3/4"	3/4"
AD32-6-UPVC	3/4"	1"
AD32-7-UPVC	1"	1"
AD32-8-UPVC	1"	1.1/4"
AD32-9-UPVC	1.1/4"	1.1/4"
AD32-10-UPVC	1.1/4"	1.1/2"
AD32-11-UPVC	1.1/2"	1.1/2"
AD32-12-UPVC	1.1/2"	2"
AD32-13-UPVC	2"	2"
AD32-15-UPVC	2.1/2"	2.1/2"
AD32-17-UPVC	3"	3"
AD32-19-UPVC	4"	4"

Tech Sheet 10254



### Plain x Female Threaded Adaptor, BSPP

1050	Nominal Bore ID	Thread
AD42-1212-UPVC	1/2"	1/2"
AD42-3412-UPVC	1/2"	3/4"
AD42-1234-UPVC	3/4"	1/2"
AD42-3434-UPVC	3/4"	3/4"
AD42-134-UPVC	3/4"	1"
AD42-341-UPVC	1"	3/4"
AD42-11-UPVC	1"	1"
AD42-1141-UPVC	1"	1.1/4"
AD42-114114-UPVC	1.1/4"	1.1/4"
AD42-112114-UPVC	1.1/4"	1.1/2"
AD42-112112-UPVC	1.1/2"	1.1/2"
AD42-2112-UPVC	1.1/2"	2"
AD42-1122-UPVC	2"	1.1/2"
AD42-22-UPVC	2"	2"
AD42-2122-UPVC	2"	2.1/2"
AD42-212212-UPVC	2.1/2"	2.1/2"
AD42-3212-UPVC	2.1/2"	3"
AD42-2123-UPVC	3"	2.1/2"
AD42-33-UPVC	3"	3"
AD42-43-UPVC	3"	4"
AD42-34-UPVC	4"	3"
AD42-44-UPVC	4"	4"

Tech Sheet 10254

## Hose Connections



### Plain x Hose Tail

1050	Nominal Bore ID	To Suit Hose ID mm
HN63-12-UPVC	1/2"	20
HN63-34-UPVC	3/4"	25
HN63-1-UPVC	1"	32
HN63-114-UPVC	1.1/4"	40
HN63-112-UPVC	1.1/2"	50
HN63-2-UPVC	2"	60

Tech Sheet 10254



### Male, BSPP x Hose Tail

1050	Thread	To Suit Hose ID
PVHTM14-12	1/4"	12mm
PVHTM38-58	3/8"	16mm
PVHTM12	1/2"	1/2"
PVHTM12-34	1/2"	20mm
PVHTM34	3/4"	3/4"
PVHTM34-1	3/4"	25mm
PVHTM1	1"	1"
PVHTM1-114	1"	32mm
PVHTM114-112	1.1/4"	40mm
PVHTM112-2	1.1/2"	50mm
PVHTM2-212	2"	60mm

Tech Sheet 10254



### Female, BSPP x Hose Tail

1050	Thread	To Suit Hose ID mm
HN64-3416-UPVC	3/4"	16
HN64-120-UPVC	1"	20
HN64-11425-UPVC	1.1/4"	25
HN64-11230-UPVC	1.1/2"	30
HN64-240-UPVC	2"	40
HN64-21450-UPVC	2.1/4"	50
HN64-23460-UPVC	2.3/4"	60

Tech Sheet 10254

## Tank Connectors



### Plain x Female, BSPP

1050	Nominal Bore ID	Thread
TC93-12-UPVC	1/2"	1/2"
TC93-34-UPVC	3/4"	3/4"
TC93-1-UPVC	1"	1"
TC93-114-UPVC	1.1/4"	1.1/4"
TC93-112-UPVC	1.1/2"	1.1/2"
TC93-2-UPVC	2"	2"
TC93-212-UPVC	2.1/2"	2.1/2"
TC93-3-UPVC	3"	3"
TC93-4-UPVC	4"	4"

Tech Sheet 10254

## Tube O.D. - Size Conversion Table

Nominal Bore	Outside Diameter
3/8"	17.1mm
1/2"	21.3mm
3/4"	26.7mm
1"	33.4mm
1.1/4"	42.2mm
1.1/2"	48.3mm
2"	60.3mm
2.1/2"	75mm
3"	88.9mm
4"	114.3mm
5"	140mm
6"	168.3mm
8"	219.1mm



## Flanges



**Stub Flange, Serrated Face**

1050	Nominal Bore ID
ST23-12-UPVC	1/2"
ST23-34-UPVC	3/4"
ST23-1-UPVC	1"
ST23-114-UPVC	1.1/4"
ST23-112-UPVC	1.1/2"
ST23-2-UPVC	2"
ST23-212-UPVC	2.1/2"
ST23-3-UPVC	3"
ST23-4-UPVC	4"
ST23-5-UPVC	5"
ST23-6-UPVC	6"
ST23-8-UPVC	8"

Tech Sheet 10254



**Full Face Table E**

1050	Nominal Bore ID
FF30-12-UPVC	1/2"
FF30-34-UPVC	3/4"
FF30-1-UPVC	1"
FF30-114-UPVC	1.1/4"
FF30-112-UPVC	1.1/2"
FF30-2-UPVC	2"
FF30-3-UPVC	3"
FF30-4-UPVC	4"

Tech Sheet 10254



**PN16 Blanking Flange**

1050	Size
BF00-12-UPVC	1/2"
BF00-34-UPVC	3/4"
BF00-1-UPVC	1"
BF00-114-UPVC	1.1/4"
BF00-112-UPVC	1.1/2"
BF00-2-UPVC	2"
BF00-3-UPVC	3"
BF00-4-UPVC	4"
BF00-5-UPVC	5"
BF00-6-UPVC	6"

Tech Sheet 10254



**BS4504, PN16 Flange Gasket**

1050	Size
SF16-12	1/2"
SF16-34	3/4"
SF16-1	1"
SF16-114	1.1/4"
SF16-112	1.1/2"
SF16-2	2"
SF16-3	3"
SF16-4	4"
SF16-6	6"

Tech Sheet 10254



**BS10, Table E Flange Gasket**

1050	Size
SF10-12	1/2"
SF10-34	3/4"
SF10-1	1"
SF10-114	1.1/4"
SF10-112	1.1/2"
SF10-2	2"
SF10-212	2.1/2"
SF10-3	3"
SF10-4	4"
SF10-6	6"

Tech Sheet 10254



**PN16 Galvanised Backing Ring**

1050	Size
GB16-12	1/2"
GB16-34	3/4"
GB16-1	1"
GB16-114	1.1/4"
GB16-112	1.1/2"
GB16-2	2"
GB16-212	2.1/2"
GB16-3	3"
GB16-4	4"
GB16-5	5"
GB16-6	6"
GB16-8	8"

Tech Sheet 10254



Valves



Economy Double Union Ball Valve, EPDM Seals

0118	Nominal Bore ID
BVD13-12-PVC	1/2"
BVD13-34-PVC	3/4"
BVD13-1-PVC	1"
BVD13-114-PVC	1.1/4"
BVD13-112-PVC	1.1/2"
BVD13-2-PVC	2"
BVD13-212-PVC	2.1/2"
BVD13-3-PVC	3"
BVD13-4-PVC	4"

Tech Sheet 10254



Industrial Double Union Ball Valve, EPDM Seals

0118	Nominal Bore ID
BVI13-38-PVC	3/8"
BVI13-12-PVC	1/2"
BVI13-34-PVC	3/4"
BVI13-1-PVC	1"
BVI13-114-PVC	1.1/4"
BVI13-112-PVC	1.1/2"
BVI13-2-PVC	2"
BVI13-212-PVC	2.1/2"
BVI13-3-PVC	3"
BVI13-4-PVC	4"

Tech Sheet 10254



Industrial 3 Way Ball Valve, L Port, EPDM Seals

0118	Nominal Bore ID
BVL13-12-PVC	1/2"
BVL13-34-PVC	3/4"
BVL13-1-PVC	1"
BVL13-114-PVC	1.1/4"
BVL13-112-PVC	1.1/2"
BVL13-2-PVC	2"

Tech Sheet 10254



Industrial 3 Way Ball Valve, T Port, EPDM Seals

0118	Nominal Bore ID
BVT13-12-PVC	1/2"
BVT13-34-PVC	3/4"
BVT13-1-PVC	1"
BVT13-114-PVC	1.1/4"
BVT13-112-PVC	1.1/2"
BVT13-2-PVC	2"

Tech Sheet 10254



Industrial Check Valve, EPDM Seals

0118	Nominal Bore ID
CVD13-12-PVC	1/2"
CVD13-34-PVC	3/4"
CVD13-1-PVC	1"
CVD13-114-PVC	1.1/4"
CVD13-112-PVC	1.1/2"
CVD13-2-PVC	2"

Tech Sheet 10254

Solvent Cement



UPVC

1050	Millilitres
PVC	500

Tech Sheet 876

Cleaning Fluid



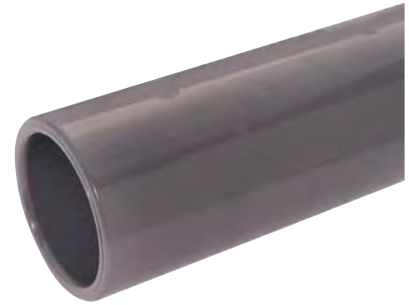
500ml

1050	Millilitres
MEK-TIN	500

Tech Sheet 877

UPVC Tubing

NOTE: 6 metre length tube is available on a 3 to 5 working day delivery service. Specified delivery dates and times can not be guaranteed. Carriage is charged as an extra based on weight and delivery service required. Please speak to our sales department for further details. Delivery of 3 metre lengths may take up to 48 hours.



Class C, 9 bar, 3 Metre Lengths

0118	Nominal Bore
UPVC/CTUBE-3-2	2"
UPVC/CTUBE-3-212	2.1/2"
UPVC/CTUBE-3-3	3"
UPVC/CTUBE-3-4	4"
UPVC/CTUBE-3-5	5"
UPVC/CTUBE-3-6	6"
UPVC/CTUBE-3-8	8"

Tech Sheet 10254

Class C, 9 bar, 6 Metre Lengths

0118	Nominal Bore
UPVC/CTUBE-6-2	2"
UPVC/CTUBE-6-212	2.1/2"
UPVC/CTUBE-6-3	3"
UPVC/CTUBE-6-4	4"
UPVC/CTUBE-6-5	5"
UPVC/CTUBE-6-6	6"

Tech Sheet 10254

Class E, 15 bar, 3 Metre Lengths

0118	Nominal Bore
UPVC/ETUBE-3-12	1/2"
UPVC/ETUBE-3-34	3/4"
UPVC/ETUBE-3-1	1"
UPVC/ETUBE-3-114	1.1/4"
UPVC/ETUBE-3-112	1.1/2"
UPVC/ETUBE-3-2	2"
UPVC/ETUBE-3-3	3"
UPVC/ETUBE-3-4	4"

Tech Sheet 10254

Class E, 15 bar, 6 Metre Lengths

0118	Nominal Bore
UPVC/ETUBE-6-12	1/2"
UPVC/ETUBE-6-34	3/4"
UPVC/ETUBE-6-1	1"
UPVC/ETUBE-6-114	1.1/4"
UPVC/ETUBE-6-112	1.1/2"
UPVC/ETUBE-6-2	2"
UPVC/ETUBE-6-3	3"
UPVC/ETUBE-6-4	4"

Tech Sheet 10254

# UPVC IMPERIAL PIPE SYSTEM



## UPVC Tubing



### Class 7, Plain End, 3 Metre Lengths

0118	Size	Pipe OD mm	Pipe ID mm
UPVC/7TUBE-3-12	1/2"	21.4	13.4
UPVC/7TUBE-3-1	1"	33.6	24
UPVC/7TUBE-3-112	1 1/2"	48.3	37.3
UPVC/7TUBE-3-2	2"	60.3	48.3

### Class 7, Plain End, 6 Metre Lengths

0118	Size	Pipe OD mm	Pipe ID mm
UPVC/7TUBE-6-112	1.1/2"	48.3	37.3

## Flanges



### EPDM Stub Gaskets

1050	Nominal Bore ID
SG-112	1.1/2"



### EPDM Full Face Gasket BS10 Table D/E

1050	Size
FFG-1	1"
FFG-114	1.1/4"
FFG-112	1.1/2"
FFG-2	2"
FFG-212	2.1/2"
FFG-3	3"
FFG-4	4" E

## Threaded Adaptors



### Equal, Plain x Threaded Female Stainless Steel Reinforced, BSPP

1050	Nominal Bore ID	Thread
ESRI-12	1/2"	1/2"
ESRI-34	3/4"	3/4"
ESRI-1	1"	1"
ESRI-2	2"	2"



### Equal, Plain x Threaded Female

1050	Tube NB	Thread
ESI-12	1/2"	1/2"
ESI-34	3/4"	3/4"
ESI-1	1"	1"
ESI-114	1.1/4"	1.1/4"
ESI-112	1.1/2"	1.1/2"
ESI-2	2"	2"



### Equal, Threaded Female, BSPP

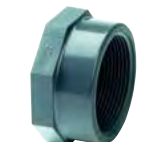
1050	Thread
TSI-34	3/4"
TSI-1	1"
TSI-112	1.1/2"
TSI-2	2"



### Unequal, Threaded Female, BSPP

1050	Thread	Thread
TRSI-2-112	2"	1.1/2"

## Caps



### Threaded Female, BSP

1050	Thread
TCl-112	1.1/2"
TCl-2	2"

## Elbows



### Equal 90° Elbow, BSPP

1050	Thread
TEI-12	1/2"
TEI-112	1.1/2"
TEI-2	2"

## Tees



### Equal Tee, BSPP

1050	Thread
TETI-12	1/2"
TETI-34	3/4"

## Unions



### Threaded Female Union, BSPP

1050	Thread
TSUI-34	3/4"
TSUI-112	1.1/2"
TSUI-2	2"



### Plain x Brass Composite Male Threaded Union, BSPP

1050	Nominal Bore ID	Male BSPP
MBU-1	1"	1"



### Plain x Brass Composite Female Threaded Union, BSPP

1050	Nominal Bore ID	Female BSPP
FBU-112	1.1/2"	1.1/2"



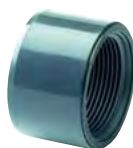
## Plugs



### Threaded Plug, Male, BSPP

1050	Thread
TPI-2	2"

## Reducing Bushes



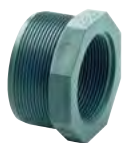
### Plain x Threaded Female, BSPP

1050	Nominal Bore ID	Thread
FRBI-12-38	1/2"	3/8"
FRBI-34-12	3/4"	1/2"
FRBI-1-34	1"	3/4"



### Threaded Male x Female, BSPP (Long Pattern)

1050	Male Thread	Female Thread
MFRBI-112-1	1.1/2"	1"
MFRBI-2-1	2"	1"
MFRBI-212-112	2.1/2"	1.1/2"



### Threaded Male x Female, BSPP (Short Pattern)

1050	Male Thread	Female Thread
MFSRBI-34-12	3/4"	1/2"
MFSRBI-1-34	1"	3/4"
MFSRBI-114-1	1.1/4"	1"
MFSRBI-112-114	1.1/2"	1.1/4"
MFSRBI-2-112	2"	1.1/2"

## Equal Hex Nipples



### Equal, Male, BSPP

1050	Thread
EHNI-1	1"
EHNI-2	2"

## Unequal Hex Nipples



### Unequal, Male, BSPP

1050	Thread	Thread
RHNI-1-34	1"	3/4"
RHNI-112-114	1.1/2"	1.1/4"

## Backnuts



### Female, BSPP

1050	Thread
BNI-12	1/2"
BNI-12	1"
BNI-114	1.1/4"

## Valve End



### Female, BSPP

1050	Thread
TVI-2	2"

## Valves



### Standard Plain Single Union Ball Valve, EPDM Seals

0118	Nominal Bore ID
BVSU-34	3/4"
BVSU-1	1"
BVSU-114	1.1/4"
BVSU-112	1.1/2"



### Standard Lever Operated Butterfly Valve, EPDM Liner

0118	Nominal Bore ID
BVBS-6	6"

## Pipe Clips



### Black PP Pipe Clips

1050	Nominal Bore ID	Type
IPPCLIP-12	1/2"	1
IPPCLIP-34	3/4"	1
IPPCLIP-1	1"	1
IPPCLIP-114	1.1/4"	2
IPPCLIP-112	1.1/2"	2
IPPCLIP-2	2"	2
IPPCLIP-212	2.1/2"	2
IPPCLIP-3	3"	2
IPPCLIP-4	4"	2
IPPCLIP-5	5"	3

## Spacing Blocks



### Black PP Spacing Block

1050	Nominal Bore ID
IPPSB-1	1" - 32mm
IPPSB-112	1.1/2" - 50mm
IPPSB-2	2" - 63mm

# ABS IMPERIAL PIPE SYSTEM



**Working Temperature:**  
0°C to 60°C

**Maximum Working Pressure:**  
15 bar  
(8" with reduced safety factor)

For Air Ring Mains use ABS. UPVC is not suitable for use with compressed air.

**UPVC** = Unplasticized Poly Vinyl Chloride  
**ABS** = Acrylonitrile-Butadiene-Styrene Copolymers

## Sockets & Reducing Bushes



### Equal Socket

1050	Nominal Bore ID
SO13-12-ABS	1/2"
SO13-34-ABS	3/4"
SO13-1-ABS	1"
SO13-114-ABS	1.1/4"
SO13-112-ABS	1.1/2"
SO13-2-ABS	2"
SO13-212-ABS	2.1/2"
SO13-3-ABS	3"
SO13-4-ABS	4"

Tech Sheet 10255



### Plain x Threaded Male, BSPT

1050	Nominal Bore ID	Nominal Bore ID
RS13-3412-ABS	3/4"	1/2"
RS13-134-ABS	1"	3/4"
RS13-1141-ABS	1.1/4"	1"
RS13-112114-ABS	1.1/2"	1.1/4"
RS13-2112-ABS	2"	1.1/2"
RS13-3212-ABS	3"	2.1/2"
RS13-43-ABS	4"	3"

Tech Sheet 10255



### Reducing Bush

1050	Nominal Bore ID	Nominal Bore ID
RB93-3412-ABS	3/4"	1/2"
RB93-112-ABS	1"	1/2"
RB93-134-ABS	1"	3/4"
RB93-11412-ABS	1.1/4"	1/2"
RB93-11434-ABS	1.1/4"	3/4"
RB93-1141-ABS	1.1/4"	1"
RB93-11234-ABS	1.1/2"	3/4"
RB93-1121-ABS	1.1/2"	1"
RB93-112114-ABS	1.1/2"	1.1/4"
RB93-21-ABS	2"	1"
RB93-2114-ABS	2"	1.1/4"
RB93-2112-ABS	2"	1.1/2"
RB93-2122-ABS	2.1/2"	2"
RB93-3112-ABS	3"	1.1/2"
RB93-32-ABS	3"	2"
RB93-3212-ABS	3"	2.1/2"
RB93-42-ABS	4"	2"
RB93-4212-ABS	4"	2.1/2"
RB93-43-ABS	4"	3"
RB93-54-ABS	5"	4"

Tech Sheet 10255

### Tube O.D. - Size Conversion Table

Nominal Bore	Outside Diameter
3/8"	17.1mm
1/2"	21.3mm
3/4"	26.7mm
1"	33.4mm
1.1/4"	42.2mm
1.1/2"	48.3mm
2"	60.3mm
2.1/2"	75mm
3"	88.9mm
4"	114.3mm
5"	140mm
6"	168.3mm
8"	219.1mm

## Equal Barrel Nipples



### Male, BSPT

1050	Thread
BN11-12-ABS	1/2"
BN11-34-ABS	3/4"
BN11-1-ABS	1"
BN11-114-ABS	1.1/4"
BN11-112-ABS	1.1/2"
BN11-2-ABS	2"
BN11-212-ABS	2.1/2"
BN11-3-ABS	3"
BN11-4-ABS	4"

Tech Sheet 10255



### Stem Nipple, BSPT

1050	Thread	Nominal Bore ID	Length mm
BN12-12-ABS	1/2"	1/2"	50
BN12-34-ABS	3/4"	3/4"	56
BN12-1-ABS	1"	1"	63
BN12-114-ABS	1.1/4"	1.1/4"	75
BN12-112-ABS	1.1/2"	1.1/2"	88
BN12-2-ABS	2"	2"	88
BN12-212-ABS	2.1/2"	2.1/2"	106
BN12-3-ABS	3"	3"	128
BN12-4-ABS	4"	4"	153

Tech Sheet 10255





# ABS IMPERIAL PIPE SYSTEM



Working Temperature:  
0°C to 60°C

Maximum Working Pressure:  
15 bar  
(8" with reduced safety factor)

For Air Ring Mains use ABS. UPVC is not suitable for use with compressed air.

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ABS = Acrylonitrile-Butadiene-Styrene Copolymers

## Elbows & Bends



### Equal 90° Elbow

1050	Nominal Bore ID
EL53-12-ABS	1/2"
EL53-34-ABS	3/4"
EL53-1-ABS	1"
EL53-114-ABS	1.1/4"
EL53-112-ABS	1.1/2"
EL53-2-ABS	2"
EL53-212-ABS	2.1/2"
EL53-3-ABS	3"
EL53-4-ABS	4"
EL53-5-ABS	5"
EL53-6-ABS	6"

Tech Sheet 10255



### Equal 90° Bend, Short Radius

1050	Nominal Bore ID
BE33-12-ABS	1/2"
BE33-34-ABS	3/4"
BE33-1-ABS	1"
BE33-114-ABS	1.1/4"
BE33-112-ABS	1.1/2"
BE33-2-ABS	2"
BE33-212-ABS	2.1/2"
BE33-3-ABS	3"
BE33-4-ABS	4"

Tech Sheet 10255



### Equal 45° Elbow

1050	Nominal Bore ID
EY53-12-ABS	1/2"
EY53-34-ABS	3/4"
EY53-1-ABS	1"
EY53-114-ABS	1.1/4"
EY53-112-ABS	1.1/2"
EY53-2-ABS	2"
EY53-212-ABS	2.1/2"
EY53-3-ABS	3"
EY53-4-ABS	4"
EY53-6-ABS	6"

Tech Sheet 10255

## Tees



### 45° Tee

1050	Nominal Bore ID
TY43-12-ABS	1/2"
TY43-34-ABS	3/4"
TY43-1-ABS	1"
TY43-114-ABS	1.1/4"
TY43-2-ABS	2"

Tech Sheet 10255



### Equal Tee

1050	Nominal Bore ID
TE43-12-ABS	1/2"
TE43-34-ABS	3/4"
TE43-1-ABS	1"
TE43-112-ABS	1.1/2"
TE43-114-ABS	1.1/4"
TE43-2-ABS	2"
TE43-212-ABS	2.1/2"
TE43-3-ABS	3"
TE43-4-ABS	4"
TE43-5-ABS	5"
TE43-6-ABS	6"

Tech Sheet 10255

## Crosses



### Equal Cross

1050	Nominal Bore ID
CR33-12-ABS	1/2"
CR33-34-ABS	3/4"
CR33-1-ABS	1"
CR33-114-ABS	1.1/4"
CR33-2-ABS	2"

Tech Sheet 10255

## Caps



### Plain

1050	Nominal Bore ID
CA73-12-ABS	1/2"
CA73-34-ABS	3/4"
CA73-1-ABS	1"
CA73-114-ABS	1.1/4"
CA73-112-ABS	1.1/2"
CA73-2-ABS	2"
CA73-212-ABS	2.1/2"
CA73-3-ABS	3"
CA73-4-ABS	4"

Tech Sheet 10255

## Unions



### Equal Union

1050	Nominal Bore ID
UN83-12-ABS	1/2"
UN83-34-ABS	3/4"
UN83-1-ABS	1"
UN83-114-ABS	1.1/4"
UN83-112-ABS	1.1/2"
UN83-2-ABS	2"
UN83-212-ABS	2.1/2"
UN83-3-ABS	3"
UN83-4-ABS	4"

Tech Sheet 10255

## Tank Connectors



### Plain x Female, BSPP

1050	Nominal Bore ID	Thread
TC93-12-ABS	1/2"	1/2"
TC93-34-ABS	3/4"	3/4"
TC93-1-ABS	1"	1"
TC93-114-ABS	1.1/4"	1.1/4"
TC93-112-ABS	1.1/2"	1.1/2"
TC93-2-ABS	2"	2"
TC93-212-ABS	2.1/2"	2.1/2"
TC93-3-ABS	3"	3"
TC93-4-ABS	4"	4"

Tech Sheet 10255

# ABS IMPERIAL PIPE SYSTEM



**Working Temperature:**  
0°C to 60°C

**Maximum Working Pressure:**  
15 bar  
(8" with reduced safety factor)

For Air Ring Mains use ABS. UPVC is not suitable for use with compressed air.

**UPVC** = Unplasticized Poly Vinyl Chloride  
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## Threaded Sockets & Adaptors



### Plain x Threaded Female Socket, BSPP

1050	Nominal Bore ID	Thread
PTS-12-ABS	1/2"	1/2"
PTS-1-ABS	1"	1"
PTS-112-ABS	1.1/2"	1.1/2"
PTS-2-ABS	2"	2"
PTS-212-ABS	2.1/2"	2.1/2"
PTS-3-ABS	3"	3"
PTS-4-ABS	4"	4"



### Plain x Threaded Male Adaptor, BSPP

1050	Nominal Bore ID	Spigot	BSPP Male
MFA1-34-ABS	3/4"	1"	3/4"
MFA1-1-ABS	1"	1.1/4"	1"
MFA1-114-ABS	1.1/4"	1.1/2"	1.1/4"
MFA1-112-ABS	1.1/2"	2"	1.1/2"
MFA1-2-ABS	2"	2.1/2"	2"
MFA1-3-ABS	3"	4"	3"



### Plain x Threaded Female Adaptor, BSPP

1050	Nominal Bore ID	Thread
MFA2-12-ABS	1/2"	1/2"
MFA2-34-ABS	3/4"	3/4"
MFA2-1-ABS	1"	1"
MFA2-2-ABS	2"	2"
MFA2-3-ABS	3"	3"

## Hose Connections



### Male, BSPP x Hose Tail

1050	Thread	Hose ID mm
MHA-34-ABS	3/4"	25



### Female, BSPP x Hose Tail

1050	Thread	Hose ID mm
FHA-1-ABS	1"	20

## Reducing Bushes



### Plain x Threaded Female, BSPP

1050	Nominal Bore ID	Female BSPP
FRB-12-ABS	1/2"	3/8"
FRB-34-ABS	3/4"	1/2"

## Unions



### Plain x Brass Composite Male Threaded Union, BSPP

1050	Nominal Bore ID	Thread
MBU-1-ABS	1"	1"
MBU-112-ABS	1.1/2"	1.1/2"



### Plain x Brass Composite Female Threaded Union, BSPP

1050	Nominal Bore ID	Thread
FBU-12-ABS	1/2"	1/2"
FBU-34-ABS	3/4"	3/4"
FBU-1-ABS	1"	1"
FBU-114-ABS	1.1/4"	1.1/4"
FBU-112-ABS	1.1/2"	1.1/2"
FBU-2-ABS	2"	2"



**Working Temperature:**  
0°C to 60°C

**Maximum Working Pressure:**  
15 bar  
(8" with reduced safety factor)

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## Flanges



### Stub Flange, Serrated Face

1050	Nominal Bore
ST23-12-ABS	1/2"
ST23-34-ABS	3/4"
ST23-1-ABS	1"
ST23-112-ABS	1.1/2"
ST23-2-ABS	2"
ST23-212-ABS	2.1/2"
ST23-3-ABS	3"
ST23-4-ABS	4"
ST23-5-ABS	5"
ST23-6-ABS	6"

Tech Sheet 10255



### Full Face Table E

1050	Nominal Bore
FF30-12-ABS	1/2"
FF30-34-ABS	3/4"
FF30-1-ABS	1"
FF30-114-ABS	1.1/4"
FF30-112-ABS	1.1/2"
FF30-2-ABS	2"
FF30-3-ABS	3"
FF30-4-ABS	4"

Tech Sheet 10255



### ABS Plain Full Face Flange NP10/16

1050	Tube NB
FF31-2-ABS	2"



### BS4504, PN16 Flange Gasket

1050	Size
SF16-12	1/2"
SF16-34	3/4"
SF16-1	1"
SF16-114	1.1/4"
SF16-112	1.1/2"
SF16-2	2"
SF16-3	3"
SF16-4	4"
SF16-6	6"

Tech Sheet 10255



### BS10, Table E Flange Gasket

1050	Size
SF10-12	1/2"
SF10-34	3/4"
SF10-1	1"
SF10-114	1.1/4"
SF10-112	1.1/2"
SF10-2	2"
SF10-3	3"
SF10-4	4"
SF10-6	6"

Tech Sheet 10255



### ABS Blank Flange NP10/16

1050	Tube NB
BF10-212-ABS	2.1/2"



### PN16 Galvanised Backing Ring

1050	Size
GB16-12	1/2"
GB16-34	3/4"
GB16-1	1"
GB16-114	1.1/4"
GB16-112	1.1/2"
GB16-2	2"
GB16-212	2.1/2"
GB16-3	3"
GB16-4	4"
GB16-5	5"
GB16-6	6"
GB16-8	8"

Tech Sheet 10255



### Stub Flange Gasket, EPDM

1050	Size
SG50-12-ABS	1/2"
SG50-34-ABS	3/4"
SG50-1-ABS	1"
SG50-114-ABS	1.1/4"
SG50-112-ABS	1.1/2"
SG50-2-ABS	2"
SG50-212-ABS	2.1/2"
SG50-3-ABS	3"
SG50-4-ABS	4"
SG50-5-ABS	5"

Tech Sheet 10255

# ABS IMPERIAL PIPE SYSTEM



**Working Temperature:**  
0°C to 60°C

**Maximum Working Pressure:**  
15 bar  
(8" with reduced safety factor)

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## Valves



### Industrial Double Union Ball Valve, EPDM Seals

0118	Nominal Bore ID
BV113-12-ABS	1/2"
BV113-34-ABS	3/4"
BV113-1-ABS	1"
BV113-114-ABS	1.1/4"
BV113-112-ABS	1.1/2"
BV113-2-ABS	2"
BV113-212-ABS	2.1/2"
BV113-3-ABS	3"
BV113-4-ABS	4"

Tech Sheet 10255



### Standard Double Union Ball Valve, EPDM Seals

0105	Tube NB
BVDUS-12	1/2"
BVDUS-34	3/4"
BVDUS-1	1"
BVDUS-114	1.1/4"
BVDUS-112	1.1/2"
BVDUS-2	2"
BVDUS-212	2.1/2"
BVDUS-3	3"



### Industrial Check Valve, EPDM Seals

0118	Nominal Bore ID
CVD13-12-ABS	1/2"
CVD13-34-ABS	3/4"
CVD13-1-ABS	1"
CVD13-114-ABS	1.1/4"
CVD13-112-ABS	1.1/2"
CVD13-2-ABS	2"

Tech Sheet 10255

## Solvent Cement



### ABS

1050	Millilitres
ABS	500

Tech Sheet 875

## Cleaning Fluid



### 500ml

1050	Millilitres
MEK-TIN	500

Tech Sheet 877

## ABS Tubing

**Note:** 6 metre length tube is available on a 3 to 5 working day delivery service. Specified delivery dates and times can not be guaranteed. Carriage is charged as an extra based on weight and delivery service required. Please speak to our sales department for further details. Delivery of 3 metre lengths may take up to 48 hours.



### Class C, 9 bar, 3 Metre Lengths

0118	Nominal Bore
ABS/CTUBE-3-1	1"
ABS/CTUBE-3-114	1.1/4"
ABS/CTUBE-3-112	1.1/2"
ABS/CTUBE-3-2	2"
ABS/CTUBE-3-212	2.1/2"
ABS/CTUBE-3-3	3"
ABS/CTUBE-3-4	4"
ABS/CTUBE-3-5	5"
ABS/CTUBE-3-6	6"
ABS/CTUBE-3-8	8"

Tech Sheet 10255

### Class C, 9 bar, 6 Metre Lengths

0118	Nominal Bore
ABS/CTUBE-6-1	1"
ABS/CTUBE-6-114	1.1/4"
ABS/CTUBE-6-112	1.1/2"
ABS/CTUBE-6-2	2"
ABS/CTUBE-6-212	2.1/2"
ABS/CTUBE-6-3	3"
ABS/CTUBE-6-4	4"

Tech Sheet 10255

### Class E, 15 bar, 3 Metre Lengths

0118	Nominal Bore
ABS/ETUBE-3-12	1/2"
ABS/ETUBE-3-34	3/4"
ABS/ETUBE-3-1	1"
ABS/ETUBE-3-114	1.1/4"
ABS/ETUBE-3-112	1.1/2"
ABS/ETUBE-3-2	2"
ABS/ETUBE-3-3	3"
ABS/ETUBE-3-4	4"

Tech Sheet 10255

### Class E, 15 bar, 6 Metre Lengths

0118	Nominal Bore
ABS/ETUBE-6-12	1/2"
ABS/ETUBE-6-34	3/4"
ABS/ETUBE-6-1	1"
ABS/ETUBE-6-114	1.1/4"
ABS/ETUBE-6-112	1.1/2"
ABS/ETUBE-6-2	2"
ABS/ETUBE-6-3	3"

Tech Sheet 10255



## Double Socket



### Female, BSPP

1050	Thread
PVS12	1/2"
PVS34	3/4"
PVS1	1"
PVS114	1.1/4"
PVS112	1.1/2"
PVS2	2"

## Reducing Socket



### Female, BSPP

1050	Thread	Thread
PVRS12-38	1/2"	3/8"
PVRS34-12	3/4"	1/2"
PVRS1-34	1"	3/4"
PVRS114-1	1.1/4"	1"
PVRS112-114	1.1/2"	1.1/4"
PVRS2-112	2"	1.1/2"
PVRS212-2	2.1/2"	2"
PVRS3-212	3"	2.1/2"
PVRS4-3	4"	3"

## Enlarging Piece



### Male x Female, BSPP

1050	Male Thread	Female Thread
PVEN38-12	3/8"	1/2"
PVEN12-34	1/2"	3/4"
PVEN34-1	3/4"	1"
PVEN1-114	1"	1.1/4"
PVEN114-112	1.1/4"	1.1/2"
PVEN112-2	1.1/2"	2"
PVEN2-212	2"	2.1/2"
PVEN212-3	2.1/2"	3"
PVEN3-4	3"	4"

## Reducing Male x Female



### Male x Female, BSPP

1050	Male Thread	Female Thread
PVR12-38	1/2"	3/8"
PVR34-38	3/4"	3/8"
PVR34-12	3/4"	1/2"
PVR1-38	1"	3/8"
PVR1-12	1"	1/2"
PVR1-34	1"	3/4"
PVR114-12	1.1/4"	1/2"
PVR114-34	1.1/4"	3/4"
PVR114-1	1.1/4"	1"
PVR112-34	1.1/2"	3/4"
PVR112-1	1.1/2"	1"
PVR2-1	2"	1"
PVR2-114	2"	1.1/4"
PVR2-112	2"	1.1/2"
PVR212-112	2.1/2"	1.1/2"
PVR212-2	2.1/2"	2"
PVR3-112	3"	1.1/2"
PVR3-2	3"	2"
PVR3-212	3"	2.1/2"
PVR4-2	4"	2"
PVR4-212	4"	2.1/2"
PVR4-3	4"	3"

## Reducing Bush Male x Female



### Male x Female, BSPP

1050	Male Thread	Female Thread
PVRB34-12	3/4"	1/2"
PVRB1-34	1"	3/4"
PVRB114-1	1.1/4"	1"
PVRB112-114	1.1/2"	1.1/4"
PVRB2-112	2"	1.1/2"
PVRB212-2	2.1/2"	2"
PVRB3-212	3"	2.1/2"
PVRB4-3	4"	3"

## Nipple



### Male, BSPP

1050	Thread
PVN38	3/8"
PVN12	1/2"
PVN34	3/4"
PVN1	1"
PVN114	1.1/4"
PVN112	1.1/2"
PVN2	2"
PVN212	2.1/2"
PVN4	4"

## Reducing Nipple



### Male, BSPP

1050	Thread	Thread
PVRN34-12	3/4"	1/2"
PVRN1-34	1"	3/4"
PVRN114-1	1.1/4"	1"
PVRN112-114	1.1/2"	1.1/4"
PVRN212-2	2.1/2"	2"
PVRN3-212	3"	2.1/2"
PVRN4-3	4"	3"

# UPVC THREADED FITTINGS



## Elbow 90°



### Female, BSPP

1050	Thread
PVE12	1/2"
PVE34	3/4"
PVE1	1"
PVE114	1.1/4"
PVE112	1.1/2"
PVE2	2"
PVE212	2.1/2"
PVE3	3"

## Elbow 45°



### Female, BSPP

1050	Thread
PVE45-38	3/8"
PVE45-12	1/2"
PVE45-34	3/4"
PVE45-1	1"
PVE45-114	1.1/4"
PVE45-112	1.1/2"
PVE45-2	2"
PVE45-212	2.1/2"
PVE45-3	3"
PVE45-4	4"

## Tee 90°



### Female, BSPP

1050	Thread
PVT38	3/8"
PVT12	1/2"
PVT34	3/4"
PVT1	1"
PVT114	1.1/4"
PVT112	1.1/2"
PVT2	2"
PVT3	3"
PVT4	4"

## Union



### Female, BSPP

1050	Thread
PVU38	3/8"
PVU12	1/2"
PVU34	3/4"
PVU1	1"
PVU114	1.1/4"
PVU112	1.1/2"
PVU2	2"
PVU212	2.1/2"
PVU3	3"
PVU4	4"

## Cap



### Female, BSPP

1050	Thread
PVC38	3/8"
PVC12	1/2"
PVC34	3/4"
PVC1	1"
PVC114	1.1/4"
PVC112	1.1/2"
PVC2	2"
PVC212	2.1/2"
PVC3	3"
PVC4	4"

## Plug



### Male, BSPP

1050	Thread
PVP38	3/8"
PVP12	1/2"
PVP34	3/4"
PVP1	1"
PVP112	1.1/2"
PVP2	2"
PVP212	2.1/2"
PVP3	3"
PVP4	4"

## Locknuts



### Female, BSPP

1050	Thread
PVLN38	3/8"
PVLN12	1/2"
PVLN34	3/4"
PVLN1	1"
PVLN114	1.1/4"
PVLN112	1.1/2"
PVLN2	2"
PVLN212	2.1/2"
PVLN3	3"
PVLN4	4"





# NIROSAN® STAINLESS STEEL PRESS FIT PIPING SYSTEM

stainless steel



NiroSan® press system fittings and NiroSan® system pipes in stainless steel with tool compatibility, leak path feature and 'push and stay' function.

Stainless steel systems from SANHA® can be used universally. The various NiroSan® pipes and NiroSan® press system fittings can be combined with each other, making them particularly user friendly.

## Features

- Pressable with V, M and SA profiles
- Suitable for a very broad range of applications
- Long service life of fittings and EPDM sealing rings
- Inseparable, pressure-formed connection
- WRAS tested and certified
- All fittings and tube are manufactured from 316 L grade stainless steel

**Working Temperature:**  
-30°C to +120°C

**Maximum Working Pressures:**  
**Water:** 22mm: 40 bar, 28-35mm: 25 bar, 42-54mm: 16 bar  
**Flammable Gases:** 5 bar  
**Non-flammable/Toxic Gases:** 16 bar

Press fittings suitable for both gas and industrial oil applications are available on request.

## Series 9000, Straights

### Female x Male Plain End, Reducer



0473	ID mm	OD mm
692432215	22	15
692432815	28	15
692432822	28	22
692433522	35	22
692433528	35	28
692434228	42	28
692434235	42	35
692435428	54	28
692435435	54	35
692435442	54	42

Tech Sheet 60369

### Male Plain End x Male Threaded, BSPT



0473	OD mm	Thread
69280G1512	15	1/2"
69280G2212	22	1/2"
69280G2234	22	3/4"
69280G281	28	1"

Tech Sheet 60369

### Coupling



0473	ID mm
6927015	15
6927022	22
6927028	28
6927035	35
6927042	42
6927054	54

Tech Sheet 60369

### Female x Male Threaded, BSPT



0473	ID mm	Thread
69243G1512	15	1/2"
69243G1534	15	3/4"
69243G221	22	1"
69243G2212	22	1/2"
69243G2234	22	3/4"
69243G281	28	1"
69243G2834	28	3/4"
69243G351	35	1"
69243G35114	35	1.1/4"
69243G42112	42	1.1/2"
69243G542	54	2"

Tech Sheet 60369

### Slip Coupling



0473	ID mm
69270S15	15
69270S22	22
69270S28	28
69270S35	35
69270S42	42
69270S54	54

Tech Sheet 60369

### Female End x Female Threaded, BSPT



0473	ID mm	Thread
69270G1512	15	1/2"
69270G2212	22	1/2"
69270G2234	22	3/4"
69270G281	28	1"
69270G2834	28	3/4"
69270G35114	35	1.1/4"
69270G42112	42	1.1/2"
69270G542	54	2"

Tech Sheet 60369

### Female End x Female Threaded, with Flat Centellen Seal, BSPP



0473	ID mm	Thread
69359M1512	15	1/2"
69359M1534	25	3/4"
69359M221	22	1"
69359M28114	28	1.1/4"
69359M35112	35	1.1/2"
69359M42134	42	1.3/4"

Tech Sheet 60369

## Series 9000, End Caps



### Female

0473	ID mm
6930115	15
6930122	22
6930128	28
6930135	35

Tech Sheet 60369

## Series 9000, Tube



### 6 Metre Lengths

0473	ID mm
6960015	15
6960022	22
6960028	28
6960035	35
6960042	42
6960054	54

Tech Sheet 60369

# NIROSAN® STAINLESS STEEL PRESS FIT PIPING SYSTEM

stainless  
steel



5



## Series 9000, 45° Elbows



### Female x Male Plain End

0473	ID mm	OD mm
6904015	15	15
6904022	22	22
6904028	28	28
6904035	35	35
6904042	42	42
6904054	54	54

Tech Sheet 60369



### Female x Female

0473	ID mm
6904115	15
6904122	22
6904128	28
6904135	35
6904142	42
6904154	54

Tech Sheet 60369

## Series 9000, Tees



### Equal

0473	ID mm
6913015	15
6913022	22
6913028	28
6913035	35
6913042	42
6913054	54

Tech Sheet 60369



### Reducing

0473	ID mm	ID mm
69130221522	22	15
69130281528	28	15
69130282228	28	22
69130352235	35	22
69130352835	35	28
69130422242	42	22
69130422842	42	28
69130423542	42	35
69130542254	54	22
69130542854	54	28
69130543554	54	35
69130544254	54	42

Tech Sheet 60369



### Female Threaded Centre Leg, BSPT

0473	ID mm	Thread
69130G151215	15	1/2"
69130G221222	22	1/2"
69130G223422	22	3/4"
69130G281228	28	1/2"
69130G283428	28	3/4"
69130G351235	35	1/2"
69130G353435	35	3/4"
69130G421242	42	1/2"
69130G541254	54	1/2"

Tech Sheet 60369

Ring Main



# NIROSAN® STAINLESS STEEL PRESS FIT PIPING SYSTEM

stainless  
steel



## Series 9000, 90° Elbows



### Female x Male Plain End

0473	ID mm	OD mm
69001A15	15	15
69001A22	22	22
69001A28	28	28
69001A35	35	35
69001A42	42	42
69001A54	54	54

Tech Sheet 60369



### Equal Female

0473	ID mm
69002A15	15
69002A22	22
69002A28	28
69002A35	35
69002A42	42
69002A54	54

Tech Sheet 60369



### Compact, Female x Female Thread, BSPT

0473	ID mm	Thread
69090IG1512	15	1/2"
69090IG2234	22	3/4"

Tech Sheet 60369



### Female x Male Plain End, Long

0473	ID mm	OD mm
69001L15	15	15
69001L22	22	22
69001L28	28	28
69001L35	35	35
69001L42	42	42
69001L54	54	54

Tech Sheet 60369



### Female x Male Thread, BSPT

0473	ID mm	Thread
69002AG1512	15	1/2"
69002AG2234	22	3/4"

Tech Sheet 60369



### Compact, Female x Male Thread, BSPT

0473	ID mm	Thread
69092AG1512	15	1/2"
69092AG2234	22	3/4"
69092AG281	28	1"

Tech Sheet 60369



### Female x Female Thread, BSPT

0473	ID mm	Thread
69002G1512	15	1/2"
69002G2234	22	3/4"

Tech Sheet 60369

Press fittings suitable for both gas and industrial oil applications are available on request.



## PP Polypropylene Fittings

20mm-63mm = PN16 75mm-110mm = PN12

### PP Male Threaded Adaptor



1350	To Suit OD mm	Thread
2651118	20	1/2"
2651120	20	3/4"
2651117	20	1"
2651121	25	1/2"
2651122	25	3/4"
2651124	25	1"
2651126	32	1/2"
2651127	32	3/4"
2651128	32	1"
2651130	32	1.1/4"
2651131	40	3/4"
2651132	40	1"
2651133	40	1.1/4"
2651134	40	1.1/2"
2651135	50	1.1/4"
2651136	50	1.1/2"
2651137	50	2"
2651138	63	1.1/2"
2651139	63	2"
2640310	75	2"
2640311	75	2.1/2"
2640312	90	3"
2640313	110	PN12.5

### PP Male Threaded Adaptor with Brass Insert



1350	To Suit OD mm	Thread
2651119	20	1/2"
2651123	25	3/4"
2651125	25	1"
2651129	32	1"

### PP Female Threaded Adaptor



1350	To Suit OD mm	Thread
2651018	20	1/2"
2651020	20	3/4"
2651022	25	1/2"
2651025	25	3/4"
2651028	25	1"
2651030	32	3/4"
2651033	32	1"
2651035	32	1.1/4"
2651037	40	1"
2651039	40	1.1/4"
2651041	40	1.1/2"
2651043	50	1.1/2"
2651045	50	2"
2651047	63	1.1/2"
2651049	63	2"
2640291	75	2"
2640293	75	2.1/2"
2640295	90	3"
2640297	110	4"

### PP Female Threaded Adaptor with Brass Insert



1350	To Suit OD mm	Thread
2651017	20	1/2"
2651024	25	3/4"
2651027	25	1"
2651032	32	1"

### PP Male Threaded Tee



1350	To Suit OD mm	Thread
2651154	20	1/2"
2651155	20	3/4"
2651156	25	1/2"
2651157	25	3/4"
2651158	25	1"
2651159	32	3/4"
2651160	32	1"
2651161	40	1"
2651162	40	1.1/4"
2651163	50	1.1/4"
2651164	50	1.1/2"
2651165	63	2"
2640318	75	2"
2640319	75	2.1/2"
2640320	90	3"
2640321	110	4"

### PP Female Threaded Tee



1350	To Suit OD mm	Thread
2651088	20	1/2"
2651090	20	3/4"
2651092	25	1/2"
2651094	25	3/4"
2651096	25	1"
2651098	32	3/4"
2651100	32	1"
2651102	32	1.1/4"
2651104	40	1"
2651106	40	1.1/4"
2651108	40	1.1/2"
2651110	50	1.1/2"
2651112	50	2"
2651114	63	1.1/2"
2651116	63	2"
2640305	75	2.1/2"
2640307	90	3"
2640309	110	4"

### PP 90° Male Threaded Elbow



1350	To Suit OD mm	Thread
2651140	20	1/2"
2651141	20	3/4"
2651142	25	1/2"
2651143	25	3/4"
2651144	25	1"
2651146	32	1"
2651147	40	1"
2651148	40	1.1/4"
2651149	40	1.1/2"
2651150	50	1.1/4"
2651151	50	1.1/2"
2651152	63	2"
2651153	63	2"
2640316	90	3"

### PP 90° Female Threaded Elbow



1350	To Suit OD mm	Thread
2651051	20	1/2"
2651054	20	3/4"
2651056	25	1/2"
2651059	25	3/4"
2651061	25	1"
2651063	32	1/2"
2651065	32	3/4"
2651068	32	1"
2651070	32	1.1/4"
2651072	40	1"
2651074	40	1.1/4"
2651076	40	1.1/2"
2651078	50	1.1/4"
2651080	50	1.1/2"
2651082	50	2"
2651084	63	1.1/2"
2651086	63	2"
2640301	90	3"
2640303	110	4"

### PP 90° Female Threaded Elbow with Brass Insert

1350	To Suit OD mm	Thread
2651053	20	3/4"
2651058	25	3/4"
2651067	32	1"



## PP Polypropylene Fittings



## PP Pop Up Female Threaded Equal Bend

1350	To Suit OD mm	Thread
2030181	20 x 20	1/2"
2030182	25 x 25	1/2"
2030183	32 x 32	3/4"



## PP Wall Pattern Female Threaded Elbow

1350	To Suit OD mm	Thread
2030360	25mm x BSPP Female	3/4"



## PP Straight Coupler

1350	To Suit OD mm
2651191	20
2651192	25
2651193	32
2651194	40
2651195	50
2651196	63
2640334	75
2640335	90
2640336	110



## PP Reducer Coupler

1350	To Suit OD mm
2651166	25 x 20
2651167	32 x 20
2651168	32 x 25
2651169	40 x 20
2651170	40 x 25
2651171	40 x 32
2651172	50 x 20
2651173	50 x 25
2651175	50 x 40
2651176	63 x 25
2651177	63 x 32
2651178	63 x 40
2651179	63 x 50
2640324	75 x 63
2640325	90 x 63
2640326	90 x 75
2640327	110 x 90



## PP Equal Bend

1350	To Suit OD mm
2650998	20
2650999	25
2651000	32
2651001	40
2651002	50
2651003	63
2640281	75
2640282	90
2640283	110



## PP Equal Tee

1350	To Suit OD mm
2651010	20
2651011	25
2651012	32
2651013	40
2651014	50
2651015	63
2640287	75
2640288	90
2640289	110



## PP Reducing Tee

1350	To Suit OD mm
2651180	25 x 20
2651181	32 x 20
2651182	32 x 25
2651183	40 x 25
2651184	40 x 32
2651185	50 x 25
2651186	50 x 32
2651187	50 x 40
2651188	63 x 32
2651189	63 x 40
2651190	63 x 50



## PP End Cap

1350	To Suit OD mm
2651004	20
2651005	25
2651006	32
2651007	40
2651008	50
2651009	63
2640284	75
2640285	90
2640286	110



## PP Flange Adaptor

1350	Size mm
2600004	63 x 50DN
2600005	90 x 80DN
2600006	110 x 100DN

# COMPRESSION FITTINGS FOR POLYETHYLENE PIPE



## Applications:

- Drinkable water systems
- Irrigation systems
- Fertilizing irrigation systems
- Wine, beer, beverages and other alimentary fluids
- Industrial equipment for acid bases and salts
- Swimming pools with fresh or sea water
- Ship Installations

## Materials:

- Body and nut: polypropylene
- O-ring: nitrile
- Clenching ring: polyacetal resin
- Metal reinforcements: stainless steel

**Maximum Working Temperature:**  
+80°C

**Maximum Working Pressure:**  
16 bar, atmospheric at 20°C up to 63mm bore  
10 bar, atmospheric at 20°C from 75mm bore

**NOTE:** Materials fully conform with the international specification relating to Hygiene and Sanitary Requirements for the Transport of Potable Water and Alimentary Fluids.

## Straight Connector



### Tube x Tube

0116	OD mm
PE-701.016	16
PE-701.020	20
PE-701.025	25
PE-701.032	32
PE-701.040	40
PE-701.050	50
PE-701.063	63
PE-701.075	75
PE-701.090	90
PE-701.110	110

## Reducing Coupling



### Tube x Tube

0116	OD mm	OD mm
PE-702.020	20	16
PE-702.025	25	20
PE-702.031	32	20
PE-702.032	32	25
PE-702.040	40	32
PE-702.049	50	32
PE-702.050	50	40
PE-702.063	63	50

## End Plug



### Tube

0116	OD mm
PE-705.016	16
PE-705.020	20
PE-705.025	25
PE-705.032	32
PE-705.050	50
PE-705.063	63

## Female Adaptor



### BSPT

0116	OD mm	Thread
PE-703.016	16	1/2"
PE-703.020	20	1/2"
PE-703.022	20	3/4"
PE-703.024	25	1/2"
PE-703.025	25	3/4"
PE-703.027	25	1"
PE-703.031	32	3/4"
PE-703.032	32	1"
PE-703.039	40	1"
PE-703.040	40	1.1/4"
PE-703.050	50	1.1/2"
PE-703.063	63	2"
PE-703.075	75	2.1/2"
PE-703.090	90	3"
PE-703.110	110	4"

## Male Adaptor



### BSPT

0116	OD mm	Thread
PE-704.016	16	1/2"
PE-704.020	20	1/2"
PE-704.021	20	3/4"
PE-704.024	25	1/2"
PE-704.025	25	3/4"
PE-704.026	25	1"
PE-704.031	32	3/4"
PE-704.032	32	1"
PE-704.033	32	1.1/4"
PE-704.039	40	1"
PE-704.040	40	1.1/4"
PE-704.041	40	1.1/2"
PE-704.049	50	1.1/4"
PE-704.050	50	1.1/2"
PE-704.051	50	2"
PE-704.063	63	2"
PE-704.074	75	2"
PE-704.075	75	2.1/2"
PE-704.090	90	3"

## 90° Equal Elbows



### Tube x Tube

0116	OD mm
PE-706.016	16
PE-706.020	20
PE-706.025	25
PE-706.032	32
PE-706.040	40
PE-706.050	50
PE-706.063	63
PE-706.090	90



### Male, BSPT

0116	OD mm	Thread
PE-707.020	20	1/2"
PE-707.024	25	1/2"
PE-707.025	25	3/4"
PE-707.031	32	3/4"
PE-707.032	32	1"
PE-707.050	50	1.1/2"
PE-707.063	63	2"



### Female, BSPT

0116	OD mm	Thread
PE-708.016	16	1/2"
PE-708.020	20	1/2"
PE-708.024	25	1/2"
PE-708.025	25	3/4"
PE-708.031	32	3/4"
PE-708.032	32	1"
PE-708.040	40	1.1/4"
PE-708.050	50	1.1/2"
PE-708.063	63	2"





## 90° Equal Tee



### Tube x Tube

0116	OD mm
PE-709.016	16
PE-709.020	20
PE-709.025	25
PE-709.032	32
PE-709.040	40
PE-709.050	50
PE-709.063	63
PE-709.075	75



### Male, BSPT

0116	OD mm	Thread
PE-711.020	20	1/2"
PE-711.025	25	3/4"
PE-711.032	32	1"
PE-711.050	50	1.1/2"
PE-711.063	63	2"



### Female, BSPP

0116	OD mm	Thread
PE-710.016	16	1/2"
PE-710.020	20	1/2"
PE-710.024	25	1/2"
PE-710.025	25	3/4"
PE-710.031	32	3/4"
PE-710.032	32	1"
PE-710.040	40	1.1/4"
PE-710.050	50	1.1/2"
PE-710.063	63	2"
PE-710.090	90	3"

## Wall Support Bracket



### BSPP

0116	OD mm	Thread
PE-712.020	20	1/2"
PE-712.025	25	3/4"

## 90° Reducing Tee



### Branch

0116	OD mm	OD mm
PE-713.025	25	20
PE-713.032	32	25
PE-713.040	40	32
PE-713.063	63	50

## Compression Flange

### Conforms to the following standards:

UNE EN-712, UNE EN-713, UNE EN-715, UNE EN-714, ISO 351, ISO 3503, ISO 3458, ISO 3459, DIN 8076, ISO 7, ISO 228, DIN 2999, DIN 259



### Tube

0116	OD mm
PE-714.050	50
PE-714.063	63
PE-714.075	75
PE-714.090	90

## Pipe Liner



0116	To Suit Hose OD mm
PE-780020	20
PE-780025	25
PE-780032	32

## Repair Coupling



### Tube x Tube

0116	OD mm
PE-725020	20
PE-725025	25
PE-725032	32
PE-725050	50
PE-725075	75

## Spanner



0116	To Suit
PE-776001	20mm to 32mm
PE-776002	40mm to 63mm
PE-776003	20mm to 63mm
PE-776004	75mm to 110mm

## MDPE Pipes



### Blue

0116	OD mm	Length Metres
PE-MDPE20BLU	20	100
PE-MDPE25BLU	25	100
PE-MDPE32BLU	32	100
PE-MDPE63BLU	63	100



### Black

0116	OD mm	Length Metres
PE-MDPE20BLK	20	100
PE-MDPE25BLK	25	100
PE-MDPE32BLK	32	100
PE-MDPE63BLK	63	100



# POLYETHYLENE PIPE UNIVERSAL TRANSITION FITTINGS

## Universal Fittings

This Universal STP Kit is compatible with any fitting, allowing the transition between pipes of any material with diameters from 15mm to 35mm (1/2" to 1" and polyethylene pipes between 16mm to 63mm.



### Universal Fittings

0116	Inlet mm	Outlet
PE-715.020	15-22	To suit 25mm Body
PE-715.025	21-27	To suit 32mm Body
PE-715.032	27-35	To suit 40mm Body
Tech Sheet 20360		

Rubber adaptor suitable for all STP fittings that allow the transition from copper (15-16 mm) to galvanised or UPVC (1/2").



### For Copper Tubing

0116
PE-000.715

## Couplings



### Tube x Tube

0116	OD A mm	OD A	OD B mm
PE-716016	15-22	1/2"	16
PE-716020	15-22	1/2"	20
PE-716025	15-22	1/2"	25
PE-716032	15-22	1/2"	32
PE-716040	15-22	1/2"	40
PE-717020	21-27	3/4"	20
PE-717025	21-27	3/4"	25
PE-717032	21-27	3/4"	32
PE-717040	21-27	3/4"	40
PE-717050	21-27	3/4"	50
PE-718025	27-35	1"	25
PE-718032	27-35	1"	32
PE-718040	27-35	1"	40
PE-718050	27-35	1"	50
PE-718063	27-35	1"	63
PE-719032	35-50	1.1/2"	32
PE-719040	35-50	1.1/2"	40
PE-719050	35-50	1.1/2"	50
PE-719063	35-50	1.1/2"	63

## Adaptors



### Male, BSPT

0116	OD mm	OD	Thread
PE-721020	15-22	1/2"	1/2"
PE-721021	15-22	1/2"	3/4"
PE-721022	15-22	1/2"	1"
PE-721025	21-27	3/4"	3/4"
PE-721026	21-27	3/4"	1"
PE-721027	21-27	3/4"	1.1/4"
PE-721032	27-35	1"	1"
PE-721033	27-35	1"	1.1/4"
PE-721034	27-35	1"	1.1/2"
PE-721040	35-50	1.1/2"	1.1/4"
PE-721041	35-50	1.1/2"	1.1/2"
PE-721042	35-50	1.1/2"	2"



### Female, BSPP

0116	OD mm	OD	Thread
PE-720020	15-22	1/2"	1/2"
PE-720021	15-22	1/2"	3/4"
PE-720022	15-22	1/2"	1"
PE-720025	21-27	3/4"	3/4"
PE-720026	21-27	3/4"	1"
PE-720032	27-35	1"	1"
PE-720033	27-35	1"	1.1/4"
PE-720041	35-50	1.1/2"	1.1/2"

## End Caps



### Tube

0116	OD mm	OD
PE-722020	15-22	1/2"
PE-722025	21-27	3/4"
PE-722032	27-35	1"
PE-722040	35-50	1.1/2"

## Elbows



### Tube x Tube

0116	OD A mm	OD A	OD B mm
PE-723020	15-22	1/2"	20
PE-723021	15-22	1/2"	25
PE-723025	21-27	3/4"	25
PE-723026	21-27	3/4"	32
PE-723033	27-35	1"	40



### Male, BSPT

0116	OD mm	OD	Thread
PE-723120	15-22	1/2"	1/2"
PE-723121	15-22	1/2"	3/4"
PE-723125	21-27	3/4"	3/4"
PE-723126	21-27	3/4"	1"
PE-723132	27-35	1"	1"
PE-723133	27-35	1"	1.1/4"



### Female, BSPP

0116	OD mm	OD	Thread
PE-723220	15-22	1/2"	1/2"
PE-723221	15-22	1/2"	3/4"
PE-723225	21-27	3/4"	3/4"
PE-723226	21-27	3/4"	1"
PE-723232	27-35	1"	1"
PE-723233	27-35	1"	1.1/4"



# POLYETHYLENE PIPE UNIVERSAL TRANSITION FITTINGS & VALVES



## Tees



### Tube x Tube, Universal x PP x PP

0116	OD A mm	OD A	OD B mm	OD C mm
PE-724001	15-22	1/2"	25	25
PE-724003	15-22	1/2"	25	20
PE-724005	21-27	3/4"	32	32
PE-724007	21-27	3/4"	32	25
PE-724011	27-35	1"	40	40
PE-724013	27-35	1"	40	32



### Tube x Tube, Universal x PP x Universal

0116	OD A mm	OD A	OD B mm
PE-724002	15-22	1/2"	25
PE-724004	15-22	1/2"	20
PE-724010	15-22	1/2"	32
PE-724008	21-27	3/4"	25
PE-724006	21-27	3/4"	32
PE-724016	21-27	3/4"	40
PE-724014	27-35	1"	32
PE-724012	27-35	1"	40



### Female x BSPP

0116	OD A mm	OD A	OD B mm	Thread
PE-724120	15-22	1/2"	25	1/2"
PE-724121	15-22	1/2"	25	3/4"
PE-724125	21-27	3/4"	32	3/4"
PE-724126	21-27	3/4"	32	1"
PE-724132	27-35	1"	40	1"
PE-724133	27-35	1"	40	1.1/4"



### Male x BSPT

0116	OD A mm	OD A	OD B mm	Thread
PE-724220	15-22	1/2"	25	1/2"
PE-724221	15-22	1/2"	25	3/4"
PE-724226	21-27	3/4"	32	1"
PE-724233	27-35	1"	40	1.1/4"

## Compression Valves



### Tube x Tube

0116	OD mm
PE-141020C	20
PE-141025C	25
PE-141032C	32
PE-141040C	40
PE-141050C	50
PE-141063C	63



### Tube x BSPT Male

0116	OD mm	Thread
PE-142020C	20	1/2"
PE-142025C	25	3/4"
PE-142032C	32	1"
PE-142040C	40	1.1/4"
PE-142050C	50	1.1/2"
PE-142063C	63	2"



### Tube x BSPP Female

0116	OD mm	Thread
PE-140020CX	20	1/2"
PE-140025CX	25	3/4"
PE-140032CX	32	1"
PE-140040CX	40	1.1/4"
PE-140050CX	50	1.1/2"
PE-140063CX	63	2"

## Universal Compression Valves



### Tube x Tube, Universal x PP

0116	OD mm	OD mm
PE-141024CU	15-22	25
PE-141025CU	21-27	25
PE-141031CU	15-22	32
PE-141032CU	21-27	32
PE-141040CU	27-35	40



### Universal x Universal

0116	OD mm	OD mm
PE-140025U	15-22	15-22
PE-140031U	21-27	15-22
PE-140032U	21-27	21-27
PE-140040U	27-35	27-35



### Tube x BSPP Female

0116	OD mm	Thread
PE-141025UM	15-22	3/4"
PE-141030UM	15-22	1"
PE-141031UM	21-27	3/4"
PE-141032UM	21-27	1"
PE-141040UM	27-35	1.1/4"
PE-141041UM	27-35	1.1/2"



### Tube x BSPT Male

0116	OD mm	Thread
PE-142024UM	15-22	1/2"
PE-142025UM	15-22	3/4"
PE-142030UM	15-22	1"
PE-142031UM	21-27	3/4"
PE-142032UM	21-27	1"
PE-142040UM	27-35	1.1/4"
PE-142041UM	27-35	1.1/2"

# SECTION 6

## Push-in Fittings



- **Kelm Plastic Push-in Fittings, Metric**
- **Kelm Plastic Push-in Fittings, Imperial**
- **Kelm Plastic Push-in Fittings, NPT**
- **Kelm All Metal Push-in Fittings, Metric**
- **Kelm Stainless Steel Push-in Fittings**
- **Aignep 5000 Series Metal Body Push-in Fittings**
- **John Guest Push-in Fittings Metric**
- **John Guest Push-in Fittings Imperial**
- **Parker Legris Liquifit Push-in Fittings, NPT**
- **Parker Legris Liquifit Push-in Fittings, BSP**
- **ITAP Brass Push-in Plumbing Fittings**
- **Sirit Air Brake Push-in Fittings**
- **Air Brake Tubing**
- **Modular Coolant Hose Click System**


Aignep 50000 Series Metal Body Push-in Fittings	391-392	Kelm Plastic Push-in Fittings, Grey Body	371-375
Air Brake Fittings	410-412	Kelm Push-in Fittings Kits, All Metal	383
All Metal Push-in Fittings	384-387	Kelm Push-in Fittings Kits, Black/Blue Body	361
Brass Push-in Plumbing Fittings	408-409	Kelm Push-in Fittings Kits, Grey Body	370
Check & Stop Valves	368	Kelm Stainless Steel Push-in Fittings	388-390
Coolant Connect System	414-418	Liquifit BSP/Metric Push-in Fittings	406-407
Imperial NPT & UNF Push-in Fittings	377-378	Liquifit NPT/Imperial Push-in Fittings	403-405
Imperial Push-in Fittings	379	Metric NPT Push-in Fittings	380-381
ITAP Brass Push-in Plumbing Fittings	408-409	Plastic Push-in Fittings, Black/Blue Body	362-367
John Guest Imperial Push-in Fittings	399-402	Plastic Push-in Fittings, Grey Body	371-375
John Guest Metric Push-in Fittings	393-398	Push-in Fittings Kits, All Metal	383
Kelm All Metal Push-in Fittings	384-387	Push-in Fittings Kits, Black/Blue Body	361
Kelm Imperial NPT & UNF Push-in Fittings	377-378	Push-in Fittings Kits, Grey Body	370
Kelm Imperial Push-in Fittings	379	Sirit Air Brake Fittings	410-412
Kelm Metric NPT Push-in Fittings	380-381	Stainless Steel Push-in Fittings	388-390
Kelm Plastic Push-in Fittings, Black/Blue Body	362-367		

## PLASTIC PUSH-IN FITTINGS

### BSP & Metric Threads x Metric Tube



 **Working Temperature:**  
0°C to +60°C

 **Maximum Working Pressure**  
10 bar (150 psi)

#### Features:

- Convenient One Touch fittings provide instant connections
- Elliptical release ring facilitates pneumatic installation in confined spaces
- Light manual pressure on the elliptical release ring is all that is required to instantly disconnect each tube; no special tools required
- Nickel-plated brass threaded body ensures anti-corrosion and anti-contamination
- All taper threaded fittings are pre-coated with PTFE sealant and require no additional sealing

#### Construction:

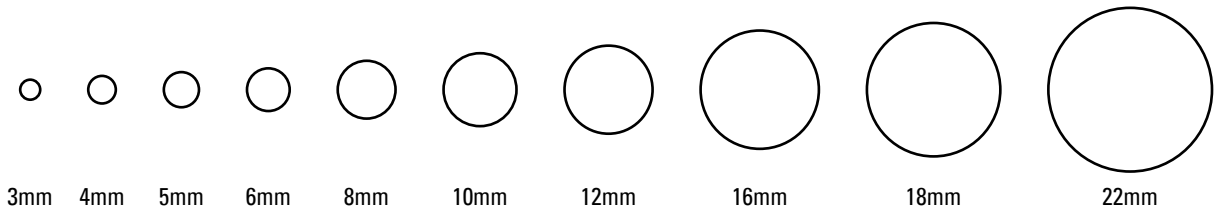
<b>Resin Body:</b>	PBT
<b>Metal Body:</b>	Nickel-plated brass
<b>Packing:</b>	Nitrile
<b>Back Ring:</b>	POM
<b>O-Ring:</b>	Nitrile
<b>Collar:</b>	Nickel-plated zinc
<b>Sleeve:</b>	POM
<b>Locking Claw:</b>	Stainless steel
<b>Media:</b>	Air and vacuum
<b>Threads:</b>	BSPP, BSPT, metric
<b>OD:</b>	Metric



# TUBE O.D. AND THREAD SIZE SELECTION GUIDES

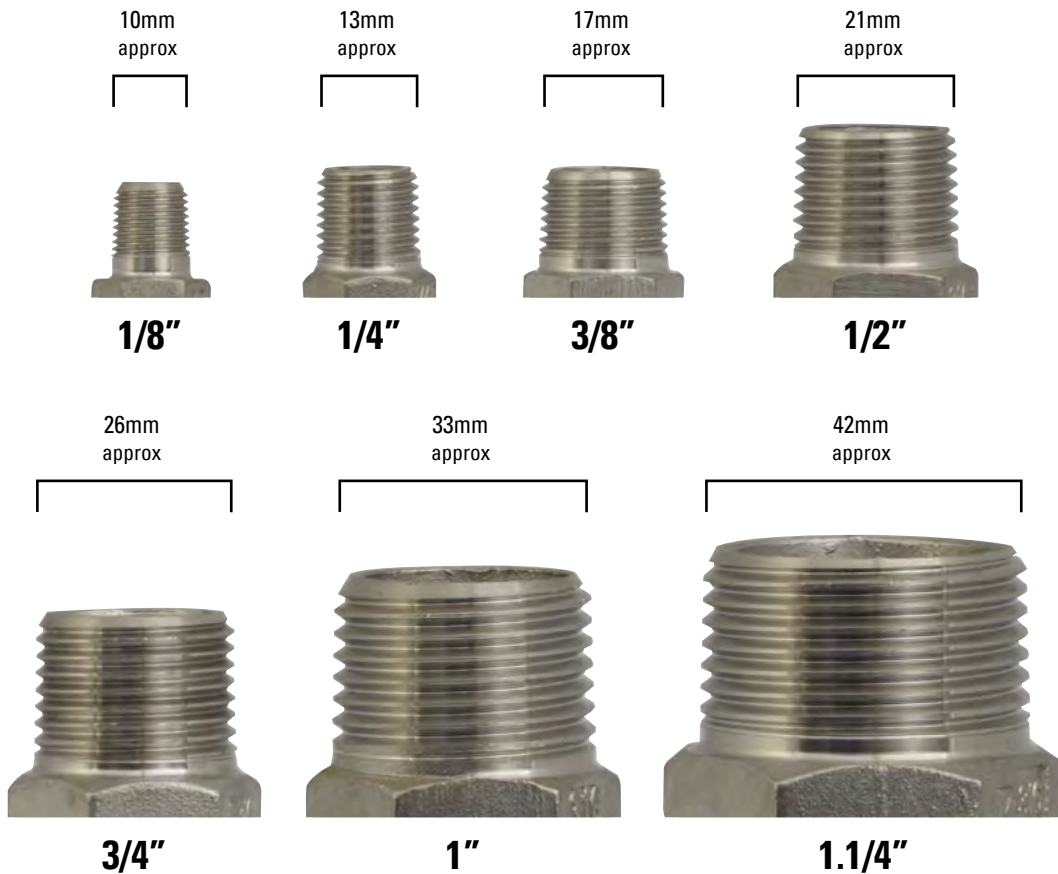
## Tube O.D. Size Guide

Place your tube over the circles below to find the correct size of tube to order



## BSPT Thread Size Guide

Place your fitting over the images below to find the correct size of fitting to order



# PLASTIC PUSH-IN FITTINGS

## One Touch Emergency Fittings Kits

Convenient, compact boxes containing a selection of popular KELM™ One Touch plastic push-in fittings along with handy tube cutter. Available in three sizes: 6mm, 8mm and 10mm. Can be used with nylon 6, 11, 12, and polyurethane (ester and ether).



**Working Temperature:**  
Brass & Acetal:  
0°C to +60°C\*



**Maximum Working Pressure:**  
10 bar (150 psi)\*  
**Negative Pressure:**  
-750mm Hg (10 Torr)\*

**Media:**  
Air and vacuum only.

\*Dependent upon tubing specification.

### Contents:

#### 6mm

Plastic Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	10 x Equal Tees 2019-8404	10 x Equal Connectors 2019-8305	2 x Equal Bulkheads 2019-8503
8 x Equal Elbows 2019-8354	8 x 1/8" BSPP Male Stud Elbows 2028-8247	5 x 1/4" BSPP Male Stud Elbows 2028-8254	
2 x 1/8" BSPT Flow Controllers 2022-9852	2 x 1/4" BSPT Flow Controllers 2022-9878	2 x Flow Controllers (Unidirectional) 2022-9746	
10 x 1/8" BSPT Male Studs 2019-4965	10 x 1/4" BSPT Male Studs 2019-4973	2 x Shut Off Valves (Tube x Tube) HVFF06-06	
5 x M5 BSPT Male Studs 2019-4957	10 x 1/8" BSPP Male Studs 2028-7819	10 x 1/4" BSPP Male Studs 2028-7843	

#### 8mm

Plastic Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	8 x Equal Tees 2019-8412	10 x Equal Connectors 2019-8313	2 x Equal Bulkheads 2019-8511
6 x Equal Elbows 2019-8362	6 x 1/8" BSPP Male Stud Elbows 2028-8270	5 x 1/4" BSPP Male Stud Elbows 2028-8288	
2 x 1/8" BSPT Flow Controllers 2022-9886	2 x 1/4" BSPT Flow Controllers 2022-9894	2 x Flow Controllers (Unidirectional) 2022-9753	
10 x 1/8" BSPT Male Studs 2019-4999	10 x 1/4" BSPT Male Studs 2019-5004	2 x Shut Off Valves (Tube x Tube) HVFF08-08	
5 x 3/8" BSPT Male Studs 2019-5012	10 x 1/8" BSPP Male Studs 2028-7876	10 x 1/4" BSPP Male Studs 2028-7884	

#### 10mm

Plastic Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	2 x Flow Controllers (Unidirectional) 2022-9761	8 x Equal Connectors 2019-8321
3 x Equal Elbows 2019-8370	3 x 1/8" BSPP Male Stud Elbows 2028-8312	3 x 1/4" BSPP Male Stud Elbows 2028-8320
2 x 1/4" BSPT Flow Controllers 2022-9928	1 x 3/8" BSPT Flow Controller 2022-9936	2 x Equal Tees 2019-8420
7 x 1/8" BSPT Male Studs 2019-5038	7 x 1/4" BSPT Male Studs 2019-5046	2 x Equal Bulkheads 2019-8529
5 x 3/8" BSPT Male Studs 2019-5053	8 x 1/8" BSPP Male Studs 2028-7926	6 x 1/4" BSPP Male Studs 2028-7934

### Plastic Push-in

1060	OD mm
KELM-06MMBOX-P	6
KELM-08MMBOX-P	8
KELM-10MMBOX-P	10

Tech Sheet 1964

[www.kelm-uk.com](http://www.kelm-uk.com)

# ONE TOUCH PLASTIC PUSH-IN FITTINGS, METRIC

° Working Temperature:  
0°C to +60°C

Maximum Working Pressure:  
10 bar (150 psi)

Media:  
Air and vacuum only.

Negative Pressure:  
-750mm Hg (10Torr)

## Male Studs



### Male Thread, Metric & BSPT

1060	OD mm	Thread
2019-4890	4	M5
2019-4932	4	1/8"
2046-7163	4	M6
2019-4940	4	1/4"
2046-7164	4	3/8"
2019-4957	6	M5
2019-4965	6	1/8"
2046-7165	6	M6
2019-4973	6	1/4"
2019-4981	6	3/8"
2046-7166	6	1/2"
2019-4999	8	1/8"
2019-5004	8	1/4"
2019-5012	8	3/8"
2019-5020	8	1/2"
2019-5038	10	1/8"
2019-5046	10	1/4"
2019-5053	10	3/8"
2019-5061	10	1/2"
2019-5076	12	1/4"
2019-5087	12	3/8"
2019-5095	12	1/2"
2019-5096	16	3/8"
2019-5097	16	1/2"

Tech Sheet 1964

### Male Thread, Metric & BSPT

1060	OD mm	Thread
2019-0010	4	M5
2019-0011	4	M6
2019-0012	4	1/8"
2019-0013	4	1/4"
2019-0014	6	M5
2019-0015	6	M6
2019-0016	6	1/8"
2019-0017	6	1/4"
2019-0018	6	3/8"
2019-0019	6	1/2"
2019-0020	8	1/8"
2019-0021	8	1/4"
2019-0022	8	3/8"
2019-0023	8	1/2"
2019-0024	10	1/8"
2019-0025	10	1/4"
2019-0026	10	3/8"
2019-0027	10	1/2"
2019-0028	12	1/4"
2019-0029	12	3/8"
2019-0030	12	1/2"
2019-0031	16	3/8"
2019-0032	16	1/2"

## Female Studs



### Male Thread, BSPP

1060	OD mm	Thread
2028-7736	4	1/8"
2028-7793	4	1/4"
2028-7819	6	1/8"
2028-7843	6	1/4"
2028-7868	6	3/8"
2028-7876	8	1/8"
2028-7884	8	1/4"
2028-7900	8	3/8"
2028-7918	8	1/2"
2028-7926	10	1/8"
2028-7934	10	1/4"
2028-7942	10	3/8"
2028-7959	10	1/2"
2028-7967	12	1/4"
2028-7975	12	3/8"
2028-7983	12	1/2"
2028-7986	16	3/8"
2028-7987	16	1/2"

Tech Sheet 1964

### Female Thread, BSPP

1060	OD mm	Thread
2019-6325	4	1/8"
2046-7167	4	1/4"
2019-6366	6	1/8"
2019-6416	6	1/4"
2019-6432	6	3/8"
2019-6440	8	1/8"
2019-6465	8	1/4"
2019-6721	8	3/8"
2046-7168	8	1/2"
2019-6739	10	1/8"
2019-6754	10	1/4"
2019-6911	10	3/8"
2046-7169	10	1/2"
2019-6929	12	1/4"
2019-7018	12	3/8"
2019-7059	12	1/2"

Tech Sheet 1964

## Female Bulkhead Connectors



### Female Thread, Metric & BSPT

1060	OD mm	Thread	Bulkhead
2046-7194	4	M5	M12 x 1
2019-7083	4	1/8"	M12 x 1
2046-7196	4	1/4"	M12 x 1
2046-7197	6	M5	M14 x 1
2019-7125	6	1/8"	M14 x 1
2046-7198	6	M6	M14 x 1
2019-7133	6	1/4"	M14 x 1
2046-7199	6	3/8"	M14 x 1
2046-7200	6	1/2"	M14 x 1
2046-7201	8	1/8"	M16 x 1
2019-7166	8	1/4"	M16 x 1
2019-7182	8	3/8"	M16 x 1
2046-7202	8	1/2"	M16 x 1
2046-7203	10	1/8"	M20 x 1
2019-7299	10	1/4"	M20 x 1
2019-7307	10	3/8"	M20 x 1
2046-7204	10	1/2"	M20 x 1
2019-7315	12	1/4"	M22 x 1
2019-7497	12	3/8"	M22 x 1
2046-7205	12	1/2"	M22 x 1

Tech Sheet 1964

# ONE TOUCH PLASTIC PUSH-IN FITTINGS, METRIC



**Working Temperature:**  
 Brass: 0°C to +60°C  
 Acetal: 0°C to +60°C

**Maximum Working Pressure:**  
 10 bar (150 psi)

**Media:**  
 Air and vacuum only.

**Negative Pressure:**  
 -750mm Hg (10Torr)

## Male Stud Swivel Elbows



### Male Thread, Metric & BSPT

1060	OD mm	Thread
2019-5103	4	M5
2019-5111	4	1/8"
2046-7170	4	M6
2019-5129	4	1/4"
2019-5822	6	M5
2019-5145	6	1/8"
2046-7171	6	M6
2019-5152	6	1/4"
2019-5160	6	3/8"
2046-7172	6	1/2"
2019-5178	8	1/8"
2019-5186	8	1/4"
2019-5194	8	3/8"
2019-5202	8	1/2"
2019-5210	10	1/8"
2019-5228	10	1/4"
2019-5236	10	3/8"
2019-5244	10	1/2"
2019-5251	12	1/4"
2019-5269	12	3/8"
2019-5277	12	1/2"
2019-5278	16	3/8"
2019-5279	16	1/2"

Tech Sheet 1964



### Male Thread, BSPP

1060	OD mm	Thread
2028-8221	4	1/8"
2028-8239	4	1/4"
2028-8247	6	1/8"
2028-8254	6	1/4"
2028-8262	6	3/8"
2028-8270	8	1/8"
2028-8288	8	1/4"
2028-8296	8	3/8"
2028-8304	8	1/2"
2028-8312	10	1/8"
2028-8320	10	1/4"
2028-8338	10	3/8"
2028-8379	10	1/2"
2028-8403	12	1/4"
2028-8411	12	3/8"
2028-8429	12	1/2"

Tech Sheet 1964

## Male Stud Swivel Elbows



### Extended Male Thread, Metric & BSPT

1060	OD mm	Thread
2019-5905	4	M5
2019-5913	4	1/8"
2019-5939	6	M5
2019-5947	6	1/8"
2046-7191	6	M6
2019-5954	6	1/4"
2019-5970	8	1/8"
2019-5988	8	1/4"
2019-6135	10	1/8"
2019-6150	10	1/4"
2019-6192	12	1/4"
2019-6200	12	3/8"

Tech Sheet 1964



### Extended Male Thread, BSPP

1060	OD mm	Thread
2033-8729	4	1/8"
2033-8737	4	1/4"
2033-8745	6	1/8"
2033-8752	6	1/4"
2033-8778	6	3/8"
2033-8786	8	1/8"
2033-9107	8	1/4"
2033-9115	8	3/8"
2033-9131	10	1/8"
2033-9149	10	1/4"
2033-9156	10	3/8"
2033-9180	12	3/8"

Tech Sheet 1964


## 45° Male Stud Elbows




### Male Thread, BSPT

1060	OD mm	Thread
2019-0210	6	1/8"
2019-0211	6	1/4"
2019-0212	6	3/8"
2019-0213	8	1/4"
2019-0214	8	3/8"
2019-0215	10	1/8"
2019-0216	10	1/4"
2019-0217	10	3/8"
2019-0218	10	1/2"



 Working Temperature:  
 Brass: 0°C to +60°C  
 Acetal: 0°C to +60°C

 Maximum Working Pressure:  
 10 bar (150 psi)

Media:  
 Air and vacuum only.

Negative Pressure:  
 -750mm Hg (10Torr)

## Male Stud Swivel Tees



### Branch Male Thread, Metric & BSPT

1060	OD mm	Thread
2019-5293	4	M5
2019-5301	4	1/8"
2019-5335	4	1/4"
2019-5541	6	M5
2019-5749	6	1/8"
2019-5764	6	1/4"
2019-5772	6	3/8"
2046-7175	6	1/2"
2019-5780	8	1/8"
2019-5798	8	1/4"
2019-5806	8	3/8"
2019-5814	8	1/2"
2019-5830	10	1/8"
2019-5848	10	1/4"
2019-5855	10	3/8"
2019-5863	10	1/2"
2019-5871	12	1/4"
2019-5889	12	3/8"
2019-5897	12	1/2"

Tech Sheet 1964



### Branch Male Thread, BSPP

1060	OD mm	Thread
2028-8007	4	1/8"
2028-8023	4	1/4"
2028-8031	6	1/8"
2028-8049	6	1/4"
2028-8056	6	3/8"
2028-8064	8	1/8"
2028-8072	8	1/4"
2028-8122	8	3/8"
2028-8130	8	1/2"
2028-8148	10	1/8"
2028-8155	10	1/4"
2028-8163	10	3/8"
2028-8189	12	1/4"
2028-8205	12	3/8"
2028-8213	12	1/2"

Tech Sheet 1964



### Run Male Thread, Metric & BSPT

1060	OD mm	Thread
2019-7992	4	M5
2019-8008	4	1/8"
2019-8010	4	1/4"
2019-8012	6	M5
2019-8032	6	1/8"
2019-8040	6	1/4"
2019-8057	6	3/8"
2019-8065	8	1/8"
2019-8073	8	1/4"
2019-8081	8	3/8"
2019-8089	8	1/2"
2019-8107	10	1/8"
2019-8115	10	1/4"
2019-8123	10	3/8"
2019-8156	12	3/8"
2019-8164	12	1/2"

Tech Sheet 1964



### Run Male Thread, BSPP

1060	OD mm	Thread
2033-8570	6	1/8"
2033-8588	6	1/4"
2033-8612	8	1/4"

Tech Sheet 1964

## Male Stud Swivel Ys



### Male Thread, Metric & BSPT

1060	OD mm	Thread
2019-7513	4	1/8"
2019-7547	6	1/8"
2019-7554	6	1/4"
2019-7570	6	3/8"
2019-7596	8	1/8"
2019-7604	8	1/4"
2019-7612	8	3/8"
2019-7620	8	1/2"
2019-7638	10	1/8"
2019-7646	10	1/4"
2019-7653	10	3/8"
2019-7950	10	1/2"
2019-7968	12	1/4"
2019-7976	12	3/8"
2019-7984	12	1/2"

Tech Sheet 1964

# ONE TOUCH PLASTIC PUSH-IN FITTINGS, METRIC



**Working Temperature:**  
Brass: 0°C to +60°C  
Acetal: 0°C to +60°C

**Maximum Working Pressure:**  
10 bar (150 psi)

**Media:**  
Air and vacuum only.

**Negative Pressure:**  
-750mm Hg (10Torr)

## Tube x Tube Connectors



### Equal Straights

1060	OD mm
2019-8297	4
2019-8305	6
2019-8313	8
2019-8321	10
2019-8339	12
2019-8340	16

Tech Sheet 1964



### Equal Tees

1060	OD mm
2019-8396	4
2019-8404	6
2019-8412	8
2019-8420	10
2019-8438	12
2019-8439	16

Tech Sheet 1964



### Unequal Ys

1060	OD mm	OD mm
2019-9139	6	4
2019-9162	8	6
2019-9170	10	8
2019-9188	12	10

Tech Sheet 1964



### Unequal Straights

1060	OD mm	OD mm
2019-8545	4	6
2019-8552	6	8
2019-8560	8	10
2019-8578	10	12
2019-8579	12	16

Tech Sheet 1964



### Unequal Branch Tees

1060	OD mm	OD mm
2019-8637	6	4
2019-8638	8	6
2019-8639	10	6
2019-8640	10	8
2019-8641	12	8
2019-8642	12	10

Tech Sheet 1964



### Equal Crosses

1060	OD mm
2019-8974	4
2019-8982	6
2019-8990	8
2019-9006	10
2019-9014	12

Tech Sheet 1964



### Equal Elbows

1060	OD mm
2019-8347	4
2019-8354	6
2019-8362	8
2019-8370	10
2019-8388	12
2019-8392	16

Tech Sheet 1964



### Equal Ys

1060	OD mm
2019-8446	4
2019-8453	6
2019-8461	8
2019-8479	10
2019-8487	12

Tech Sheet 1964



### Equal Bulkheads

1060	OD mm	Bulkhead
2019-8495	4	M12 x 1
2019-8503	6	M14 x 1
2019-8511	8	M16 x 1
2019-8529	10	M20 x 1
2019-8537	12	M22 x 1

Tech Sheet 1964





## Tube x Stem Connectors

### Straights, Tube x Stem



1060	OD mm	Stem OD mm
2028-8437	4	6
2028-8445	4	8
2028-8452	6	8
2028-8460	6	10
2028-8478	8	10
2028-8486	8	12
2028-8494	10	12

Tech Sheet 1964

### Ys, Tube x Stem



1060	OD mm	Stem OD mm
2024-2616	4	4
2024-2624	6	6
2024-2632	8	8
2024-2640	10	10
2024-2657	12	12

Tech Sheet 1964

### BSPP & Metric



1060	OD mm	Thread
2019-0220	4	M5
2019-0221	4	1/8"
2019-0222	4	1/4"
2019-0223	6	M5
2019-0224	6	1/8"
2019-0225	6	1/4"
2019-0226	8	1/8"
2019-0227	8	1/4"
2019-0228	8	3/8"
2019-0229	10	1/4"
2019-0230	10	3/8"
2019-0231	12	1/4"
2019-0232	12	3/8"
2019-0233	12	1/2"

### Reducing Ys, Tube x Stem



1060	OD mm	Stem OD mm
2024-2673	4	6
2024-2699	6	8
2024-2731	8	10

Tech Sheet 1964

### Plugs



### Tube

1060	OD mm
2028-8627	4
2028-8635	6
2028-8643	8
2028-8668	10
2028-8684	12

Tech Sheet 1964

### Equal Double Joint Adaptors



### Tube x Tube

1060	OD mm
2028-8502	4
2028-8510	6
2028-8528	8
2028-8536	10
2028-8544	12

Tech Sheet 1964

## Reducers



### Tube x Tube

1060	OD mm	Stem OD mm
2028-8551	6	4
2028-8569	8	4
2028-8577	8	6
2028-8585	10	6
2028-8593	10	8
2028-8601	12	8
2028-8619	12	10

Tech Sheet 1964

## Tube Plugs



### Tube

1060	OD mm
2033-8505	4
2033-8513	6
2033-8521	8
2033-8539	10
2033-8547	12

Tech Sheet 1964

## Single Banjos



### Male Thread, Metric & BSPT

1060	OD mm	Thread
2019-8172	4	M5
2019-8180	4	1/8"
2046-7183	4	M6
2019-8198	6	M5
2019-8206	6	1/8"
2046-7185	6	M6
2019-8214	6	1/4"
2046-7186	6	3/8"
2019-8222	8	1/8"
2019-8230	8	1/4"
2019-8248	8	3/8"
2046-7188	10	1/4"
2019-8255	10	3/8"
2019-8263	10	1/2"
2046-7189	12	1/4"
2019-8271	12	3/8"
2019-8289	12	1/2"

Tech Sheet 1964

# ONE TOUCH PLASTIC PUSH-IN FITTINGS, METRIC



**Working Temperature:**  
 Brass: 0°C to +60°C  
 Acetal: 0°C to +60°C

**Maximum Working Pressure:**  
 10 bar (150 psi)

**Media:**  
 Air and vacuum only.

**Negative Pressure:**  
 -750mm Hg (10Torr)

## Reducing Manifolds



### Male Thread, BSPT

1060	Inlet OD mm	Outlet OD mm	Thread
2019-9022	6	4	1/8"
2019-9035	8	4	1/4"
2019-9048	8	6	1/4"
2019-9055	10	8	3/8"

Tech Sheet 1964



### Tube x Tube

1060	Inlet OD mm	Outlet OD mm
2019-9063	6	4
2019-9071	8	4
2019-9089	8	6
2019-9097	10	6
2023-0637	10	8

Tech Sheet 1964

## Speed Control Valves



### In-line, Tube x Tube

1060	OD mm
2022-9720	4
2022-9746	6
2022-9753	8
2022-9761	10
2022-9779	12

Tech Sheet 1964



### Elbow, Male Thread, Metric & BSPT

1060	OD mm	Thread
2022-9829	4	M5
2022-9845	4	1/8"
2022-9860	4	1/4"
2022-9837	6	M5
2022-9852	6	1/8"
2046-7181	6	M6
2022-9878	6	1/4"
2022-9902	6	3/8"
2022-9886	8	1/8"
2022-9894	8	1/4"
2022-9910	8	3/8"
2046-7182	8	1/2"
2022-9928	10	1/4"
2022-9936	10	3/8"
2022-9969	10	1/2"
2022-9944	12	1/4"
2022-9951	12	3/8"
2022-9977	12	1/2"

Tech Sheet 1964

## Manual Shut Off Valves

**Maximum Working Pressure:**  
 7 bar (100 psi)



### BSPT x BSPT

1060	Thread	Thread
HVSS-01-01	1/8"	1/8"
HVSS-02-01	1/4"	1/8"
HVSS-02-02	1/4"	1/4"
HVSS-02-03	1/4"	3/8"
HVSS-03-03	3/8"	3/8"
HVSS-04-03	1/2"	3/8"
HVSS-04-04	1/2"	1/2"

Tech Sheet 1964



### Tube x BSPT

1060	OD mm	Thread
HVFS6-01	6	1/8"
HVFS6-02	6	1/4"
HVFS6-03	6	3/8"
HVFS8-01	8	1/8"
HVFS8-02	8	1/4"
HVFS8-03	8	3/8"

Tech Sheet 1964

**Maximum Working Pressure:**  
 7 bar (100 psi)



### Tube x Tube, Venting

1060	OD mm	OD mm
HVFF06-06	6	6
HVFF08-06	8	6
HVFF08-08	8	8
HVFF10-10	10	10
HVFF12-10	12	10
HVFF12-12	12	12

Tech Sheet 1964



For Metric Polyurethane Tubing see Section 7



# CHECK & STOP VALVES

**Working Temperature:**  
Brass: 0°C to +60°C  
Acetal: 0°C to +60°C

**Maximum Working Pressure:**  
10 bar (150 psi)

**Media:**  
Air and vacuum only.

**Negative Pressure:**  
-750mm Hg (10Torr)

**Cracking Pressure:**  
0.3 bar to 0.5 bar (5 psi to 7.5 psi)

## Check Valves

Free flow thread to tube



### Tube x BSPT

1060	OD mm	Thread
PCVC04-01	4	1/8"
PCVC04-02	4	1/4"
PCVC06-01	6	1/8"
PCVC06-02	6	1/4"
PCVC08-01	8	1/8"
PCVC08-02	8	1/4"
PCVC10-02	10	1/4"
PCVC10-03	10	3/8"
PCVC12-02	12	1/4"
PCVC12-03	12	3/8"

Tech Sheet 10134



### Tube x Tube

1060	OD mm
PCVU04	4
PCVU06	6
PCVU08	8
PCVU10	10

Tech Sheet 10134



### Female x Female, BSPT

1060	Thread
PCFF01-01	1/8"
PCFF02-02	1/4"
PCFF03-03	3/8"
PCFF04-04	1/2"

Tech Sheet 10134

Free flow female to male



### Male x Female, BSPP

1060	Thread
PCVF01-01	1/8"
PCVF02-02	1/4"
PCVF03-03	3/8"
PCVF04-04	1/2"

Tech Sheet 10134

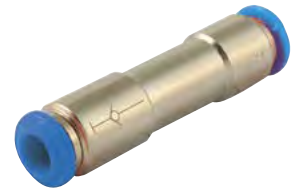
## Stop Valves, Self-sealing



### Tube x BSPT

1060	OD mm	Thread
SPC06-02	6	1/4"
SPC08-02	8	1/4"
SPC08-03	8	3/8"
SPC10-02	10	1/4"
SPC10-03	10	3/8"
SPC10-04	10	1/2"
SPC12-03	12	3/8"
SPC12-04	12	1/2"

Tech Sheet 10134



### Tube x Tube

1060	OD mm
SPU06	6
SPU08	8
SPU10	10
SPU12	12

Tech Sheet 10134

## PLASTIC PUSH-IN FITTINGS

### One Touch+ 16 Bar Rated



 **Working Temperature:**  
-10°C to +60°C\*

 **Working Pressure**  
-0.8 bar to 16 bar\*

#### Features:

- One of the highest pressure rated polymer push-in fittings available on the market
- Convenient One Touch+ fittings provide instant connections
- Elliptical release ring facilitates pneumatic installation in confined spaces
- Light manual pressure on the elliptical release ring is all that is required to instantly disconnect each tube; no special tools required
- Nickel-plated brass ensures anti-corrosion and anti-contamination
- All taper threaded fittings are pre-coated with PTFE sealant and require no additional sealing

#### Construction:

**Resin Body:** Technopolymer resin

**Metal Body:** Nickel-plated brass

**Packing:** Nitrile

**Back O-Ring:** POM

**O-Ring:** Nitrile

**Collar:** Nickel-plated zinc

**Collet:** Technopolymer resin

**Collet Ring:** Nickel-plated brass

**Sleeve:** POM

\*Dependent upon tubing specification.

# PLASTIC PUSH-IN FITTINGS

## One Touch+ Emergency Fittings Kits, 16 Bar Rated

Convenient, compact boxes containing a selection of popular KELM™ One Touch+ plastic push-in fittings along with handy tube cutter. Available in three sizes: 6mm, 8mm and 10mm. Can be used with nylon 6, 11, 12, and polyurethane (ester and ether).



 **Working Temperature:**  
0°C to +60°C



**Maximum Working Pressure:**  
16 bar (220 psi)  
**Negative Pressure:**  
-750mm Hg (10 Torr)

**Media:**  
Air and vacuum only.

### Contents:

#### 6mm

Plastic Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	10 x Equal Tees 2175-1038	10 x Equal Connectors 2175-1024	2 x Equal Bulkheads 2175-1057
8 x Equal Elbows 2175-1033	8 x 1/8" BSPT Male Stud Elbows 2175-0909	5 x 1/4" BSPT Male Stud Elbows 2175-0910	
5 x 1/4" BSPP Female Bulkheads 2175-1009	4 x 6mm Equal Ys 2175-1043	2 x Shut Off Valves 2175-1127	
10 x 1/8" BSPP Male Studs 2175-0873	10 x 1/4" BSPP Male Studs 2175-0874	2 x 1/8" BSPT Single Banjos 2175-1085	
5 x M5 Male Studs 2175-0854	10 x 1/8" BSPT Male Studs 2175-0856	10 x 1/4" BSPT Male Studs 2175-0857	

#### 8mm

Plastic Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	8 x Equal Tees 2175-1039	10 x Equal Connectors 2175-1025	2 x Equal Bulkheads 2175-1058
5 x Equal Elbows 2175-1034	6 x 1/8" BSPT Male Stud Elbows 2175-0913	5 x 1/4" BSPT Male Stud Elbows 2175-0914	
2 x 1/4" BSPP Female Bulkheads 2175-1013	4 x Equal Ys 2175-1044	2 x Shut Off Valves 2175-1129	
10 x 1/8" BSPT Male Studs 2175-0860	10 x 1/4" BSPT Male Studs 2175-0861	4 x 1/8" BSPT Single Banjos 2175-1088	
10 x 1/8" BSPP Male Studs 2175-0876	10 x 1/4" BSPP Male Studs 2175-0877	6 x 3/8" BSPP Male Studs 2175-0878	

#### 10mm

Plastic Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	5 x Equal Tees 2175-1040	6 x Equal Connectors 2175-1026	2 x Equal Bulkheads 2175-1059
3 x Equal Elbows 2175-1035	2 x 1/8" BSPT Male Stud Elbows 2175-0917	2 x 1/4" BSPT Male Stud Elbows 2175-0918	
3 x 1/4" BSPP Female Bulkheads 2175-1017	2 x Equal Ys 2175-1045	1 x Speed Control Valve 2175-1154	
8 x 1/8" BSPP Male Studs 2175-0880	6 x 1/4" BSPP Male Studs 2175-0881	2 x 3/8" BSPT Single Banjos 2175-1092	
7 x 3/8" BSPT Male Studs 2175-0864	7 x 1/4" BSPT Male Studs 2175-0865	2 x 3/8" BSPT Male Studs 2175-0866	

### Plastic, 16 bar Rated Push-in

1060	OD mm
KELM-06MMBOX-OTP	6
KELM-08MMBOX-OTP	8
KELM-10MMBOX-OTP	10

Tech Sheet 10019

[www.kelm-uk.com](http://www.kelm-uk.com)

# ONE TOUCH+ PLASTIC PUSH-IN FITTINGS (16 BAR RATED)

° Working Temperature:  
0°C to +60°C

Maximum Working Pressure:  
16 bar (220 psi)

Media:  
Air and vacuum only.

Negative Pressure:  
-750mm Hg (10Torr)



## Male Studs



Male Thread,  
Metric & BSPT

1060	OD mm	Thread
2175-0849	4	M5
2175-0850	4	M6
2175-0851	4	1/8"
2175-0852	4	1/4"
2175-0853	4	3/8"
2175-0854	6	M5
2175-0855	6	M6
2175-0856	6	1/8"
2175-0857	6	1/4"
2175-0858	6	3/8"
2175-0859	6	1/2"
2175-0860	8	1/8"
2175-0861	8	1/4"
2175-0862	8	3/8"
2175-0863	8	1/2"
2175-0864	10	1/8"
2175-0865	10	1/4"
2175-0866	10	3/8"
2175-0867	10	1/2"
2175-0868	12	1/4"
2175-0869	12	3/8"
2175-0870	12	1/2"
2207-0684	14	3/8"
2207-0685	14	1/2"
2207-0686	16	3/8"
2207-0687	16	1/2"

Tech Sheet 10019



Male Thread, BSPP

1060	OD mm	Thread
2175-0871	4	1/8"
2175-0872	4	1/4"
2175-0873	6	1/8"
2175-0874	6	1/4"
2175-0875	6	3/8"
2175-0876	8	1/8"
2175-0877	8	1/4"
2175-0878	8	3/8"
2175-0879	8	1/2"
2175-0880	10	1/8"
2175-0881	10	1/4"
2175-0882	10	3/8"
2175-0883	10	1/2"
2175-0884	12	1/4"
2175-0885	12	3/8"
2175-0886	12	1/2"
2207-0688	14	3/8"
2207-0689	14	1/2"
2207-0690	16	3/8"
2207-0691	16	1/2"

Tech Sheet 10019

## Female Studs



Female Thread, BSPP

1060	OD mm	Thread
2175-0887	4	1/8"
2175-0888	4	1/4"
2175-0889	6	1/8"
2175-0890	6	1/4"
2175-0891	6	3/8"
2175-0892	8	1/8"
2175-0893	8	1/4"
2175-0894	8	3/8"
2175-0895	8	1/2"
2175-0896	10	1/8"
2175-0897	10	1/4"
2175-0898	10	3/8"
2175-0899	10	1/2"
2175-0900	12	1/4"
2175-0901	12	3/8"
2175-0902	12	1/2"
2207-0692	14	3/8"
2207-0693	14	1/2"
2207-0694	16	3/8"
2207-0695	16	1/2"

Tech Sheet 10019

## Female Elbow



BSPP x Tube

1060	OD mm	Thread
2207-0800	4	G1/8"
2207-0801	4	G1/4"
2207-0802	6	G1/8"
2207-0803	6	G1/4"
2207-0804	6	G3/8"
2207-0805	6	G1/2"
2207-0806	8	G1/8"
2207-0807	8	G1/4"
2207-0808	8	G3/8"
2207-0809	8	G1/2"
2207-0810	10	G1/8"
2207-0811	10	G1/4"
2207-0812	10	G3/8"
2207-0813	10	G1/2"
2207-0814	12	G1/4"
2207-0815	12	G3/8"
2207-0816	12	G1/2"

## Male Stud Swivel Elbows



Male Thread,  
Metric & BSPT

1060	OD mm	Thread
2175-0903	4	M5
2175-0904	4	M6
2175-0905	4	1/8"
2175-0906	4	1/4"
2175-0907	6	M5
2175-0908	6	M6
2175-0909	6	1/8"
2175-0910	6	1/4"
2175-0911	6	3/8"
2175-0912	6	1/2"
2175-0913	8	1/8"
2175-0914	8	1/4"
2175-0915	8	3/8"
2175-0916	8	1/2"
2175-0917	10	1/8"
2175-0918	10	1/4"
2175-0919	10	3/8"
2175-0920	10	1/2"
2175-0921	12	1/4"
2175-0922	12	3/8"
2175-0923	12	1/2"
2207-0696	14	3/8"
2207-0697	14	1/2"
2207-0698	16	3/8"
2207-0699	16	1/2"

Tech Sheet 10019



Male Thread, BSPP

1060	OD mm	Thread
2175-0924	4	1/8"
2175-0925	4	1/4"
2175-0926	6	1/8"
2175-0927	6	1/4"
2175-0928	6	3/8"
2207-0714	6	1/2"
2175-0929	8	1/8"
2175-0930	8	1/4"
2175-0931	8	3/8"
2175-0932	8	1/2"
2175-0933	10	1/8"
2175-0934	10	1/4"
2175-0935	10	3/8"
2175-0936	10	1/2"
2175-0937	12	1/4"
2175-0938	12	3/8"
2175-0939	12	1/2"
2207-0700	14	3/8"
2207-0701	14	1/2"
2207-0702	16	3/8"
2207-0703	16	1/2"

Tech Sheet 10019





# ONE TOUCH+ PLASTIC PUSH-IN FITTINGS (16 BAR RATED)

° Working Temperature:  
0°C to +60°C

Maximum Working Pressure:  
16 bar (220 psi)

Media:  
Air and vacuum only.

Negative Pressure:  
-750mm Hg (10Torr)

## Male Stud Swivel Elbows



### Extended Male Thread, Metric & BSPT

1060	OD mm	Thread
2175-0940	4	M5
2175-0941	4	1/8"
2175-0942	4	1/4"
2175-0943	6	M5
2175-0944	6	1/8"
2175-0945	6	1/4"
2175-0946	6	3/8"
2175-0947	8	1/8"
2175-0948	8	1/4"
2175-0949	8	3/8"
2175-0950	10	1/8"
2175-0951	10	1/4"
2175-0952	10	3/8"
2175-0953	10	1/2"
2175-0954	12	1/4"
2175-0956	12	1/2"

Tech Sheet 10019

### Extended Male Thread, BSPP

1060	OD mm	Thread
2175-0957	4	1/8"
2175-0958	4	1/4"
2175-0959	6	1/8"
2175-0960	6	1/4"
2175-0961	6	3/8"
2175-0962	8	1/8"
2175-0963	8	1/4"
2175-0964	10	1/8"
2175-0965	10	1/4"
2175-0966	10	3/8"
2175-0967	12	3/8"

Tech Sheet 10019

## 45° Male Stud Elbows



### 45° Elbow, BSPT

1060	OD mm	Thread
2207-2000	4	1/8"
2207-2001	4	1/4"
2207-2002	6	1/8"
2207-2003	6	1/4"
2207-2004	8	1/8"
2207-2005	8	1/4"
2207-2006	8	1/2"

## Male Stud Swivel Tees



### Run Male Thread, BSPP

1060	OD mm	Thread
2175-0968	4	1/8"
2175-0969	4	1/4"
2175-0970	6	1/8"
2175-0971	6	1/4"
2175-0972	8	1/4"
2175-0973	10	1/4"

Tech Sheet 10019



### Branch Male Thread, BSPP

1060	OD mm	Thread
2175-0974	4	1/8"
2175-0975	4	1/4"
2175-0976	6	1/8"
2175-0977	6	1/4"
2175-0978	6	3/8"
2175-0979	8	1/8"
2175-0980	8	1/4"
2175-0981	8	3/8"
2175-0982	8	1/2"
2175-0983	10	1/8"
2175-0984	10	1/4"
2175-0985	10	3/8"
2175-1160	10	1/2"
2175-0986	12	1/4"
2175-0987	12	3/8"
2175-0988	12	1/2"

Tech Sheet 10019

### BSPT x Tube

1060	OD mm	Thread
2175-1170	4	M5
2175-1171	4	R1/8"
2175-1172	4	R1/4"
2175-1173	6	M5
2175-1174	6	R1/8"
2175-1175	6	R1/4"
2175-1176	6	R3/8"
2175-1177	6	R1/2"
2175-1178	8	R1/8"
2175-1179	8	R1/4"
2175-1180	8	R3/8"
2175-1181	8	R1/2"
2175-1182	10	R1/8"
2175-1183	10	R1/4"
2175-1184	10	R3/8"
2175-1185	10	R1/2"
2175-1186	12	R1/4"
2175-1187	12	R3/8"
2175-1188	12	R1/2"



### BSPT & Metric

1060	OD mm	Thread
2176-0001	4	M5
2176-0002	4	1/8"
2176-0003	4	1/4"
2176-0004	4	3/8"
2176-0005	6	M5
2176-0006	6	1/8"
2176-0007	6	1/4"
2176-0008	6	3/8"
2176-0009	8	1/8"
2176-0010	8	1/4"
2176-0011	8	3/8"
2176-0012	8	1/2"
2176-0013	10	1/8"
2176-0014	10	1/4"
2176-0015	10	3/8"
2176-0016	10	1/2"
2176-0017	12	1/4"
2176-0018	12	3/8"
2176-0019	12	1/2"
2176-0020	16	3/8"
2176-0021	16	1/2"



# ONE TOUCH+ PLASTIC PUSH-IN FITTINGS (16 BAR RATED)

° Working Temperature:  
0°C to +60°C

Maximum Working Pressure:  
16 bar (220 psi)

Media:  
Air and vacuum only.

Negative Pressure:  
-750mm Hg (10Torr)



## Female Bulkhead Connectors



### Female Thread, BSPP

1060	OD mm	Thread
2174-0001	4	M5
2175-1006	4	1/8"
2175-1007	4	1/4"
2174-0002	6	M5
2175-1008	6	1/8"
2175-1009	6	1/4"
2175-1010	6	3/8"
2175-1011	6	1/2"
2175-1012	8	1/8"
2175-1013	8	1/4"
2175-1014	8	3/8"
2175-1015	8	1/2"
2175-1016	10	1/8"
2175-1017	10	1/4"
2175-1018	10	3/8"
2175-1019	10	1/2"
2175-1020	12	1/4"
2175-1021	12	3/8"
2175-1022	12	1/2"

Tech Sheet 10019

## Male Stud Swivel Ys



### Male Thread, Metric & BSPT

1060	OD mm	Thread
2175-0989	4	M5
2175-0990	4	1/8"
2174-1001	4	1/4"
2175-0991	6	M5
2175-0992	6	1/8"
2175-0993	6	1/4"
2175-0994	6	3/8"
2174-1002	6	1/2"
2175-0995	8	1/8"
2175-0996	8	1/4"
2175-0997	8	3/8"
2175-0998	8	1/2"
2175-0999	10	1/8"
2175-1000	10	1/4"
2175-1001	10	3/8"
2175-1002	10	1/2"
2175-1003	12	1/4"
2175-1004	12	3/8"
2175-1005	12	1/2"

Tech Sheet 10019

## Tube x Tube Connectors



### Equal Straights

1060	OD mm
2175-1023	4
2175-1024	6
2175-1025	8
2175-1026	10
2175-1027	12
2207-0704	14
2207-0705	16

Tech Sheet 10019

### Unequal Straights

1060	OD mm	OD mm
2175-1028	6	4
2174-1005	8	4
2175-1029	8	6
2175-1030	10	8
2174-1010	12	6
2174-1015	12	8
2175-1031	12	10
2174-1020	16	12

Tech Sheet 10019

### Equal Elbows

1060	OD mm
2175-1032	4
2175-1033	6
2175-1034	8
2175-1035	10
2175-1036	12
2207-0706	14
2207-0707	16

Tech Sheet 10019

### Equal Tees

1060	OD mm
2175-1037	4
2175-1038	6
2175-1039	8
2175-1040	10
2175-1041	12
2207-0708	14
2207-0709	16

Tech Sheet 10019

## Reducing on Branch Tees



### Tube x Tube

1060	OD A mm	OD B mm	OD C mm
2174-1030	6	4	6
2174-1031	8	6	8
2174-1032	10	8	10
2174-1033	12	10	12

## Tube x Tube Connectors



### Equal Ys

1060	OD mm
2175-1042	4
2175-1043	6
2175-1044	8
2175-1045	10
2175-1046	12
2207-0710	14
2207-0711	16

Tech Sheet 10019

### Unequal Ys

1060	OD mm	OD mm
2175-1047	4	6
2175-1048	6	8
2175-1049	8	10
2175-1050	10	12

Tech Sheet 10019



# ONE TOUCH+ PLASTIC PUSH-IN FITTINGS (16 BAR RATED)

Working Temperature:  
0°C to +60°C

Maximum Working Pressure:  
16 bar (220 psi)

Media:  
Air and vacuum only.

Negative Pressure:  
-750mm Hg (10Torr)

## Tube x Tube Connectors



### Equal Crosses

1060	OD mm
2175-1051	4
2175-1052	6
2175-1053	8
2175-1054	10
2175-1055	12
Tech Sheet 10019	



### Equal Bulkheads

1060	OD mm
2175-1056	4
2175-1057	6
2175-1058	8
2175-1059	10
2175-1060	12
2174-1040	16
Tech Sheet 10019	

## Stem Adaptor



### Metric & BSPP

1060	OD mm	Thread
2174-1050	4	M5
2174-1051	4	1/8"
2174-1052	4	1/4"
2174-1053	6	M5
2174-1054	6	1/8"
2174-1055	6	1/4"
2174-1056	8	1/8"
2174-1057	8	1/4"
2174-1058	8	3/8"
2174-1059	10	1/4"
2174-1060	10	3/8"
2174-1061	12	1/4"
2174-1062	12	3/8"
2174-1063	12	1/2"

## Tube x Stem Connectors



### Straights, Tube x Stem

1060	OD mm	Stem OD mm
2175-1061	4	6
2175-1062	4	8
2175-1063	6	8
2175-1064	6	10
2175-1065	8	10
2174-1070	8	12
2175-1066	10	12
Tech Sheet 10019		



### Elbows, Tube x Stem

1060	OD mm	Stem OD mm
2175-1067	4	4
2175-1068	6	6
2175-1069	8	8
2175-1070	10	10
2175-1071	12	12
Tech Sheet 10019		



### Ys, Tube x Stem

1060	OD mm	Stem OD mm
2174-1080	4	4
2175-1072	6	6
2175-1073	8	8
2175-1074	10	10
2174-1081	12	12
Tech Sheet 10019		

## Plugs



### Tube

1060	OD mm
2175-1075	4
2175-1076	6
2175-1077	8
2175-1078	10
2175-1079	12
Tech Sheet 10019	

## Blanking Cap



1060	OD mm
2174-2000	4
2174-2001	6
2174-2002	8
2174-2003	10
2174-2004	12
2174-2005	16

## Single Banjos



### Male Thread, Metric & BSPT

1060	OD mm	Thread
2175-1080	4	M5
2175-1081	4	M6
2175-1082	4	1/8"
2174-2006	4	1/4"
2175-1083	6	M5
2175-1084	6	M6
2175-1085	6	1/8"
2175-1086	6	1/4"
2175-1087	6	3/8"
2175-1088	8	1/8"
2175-1089	8	1/4"
2175-1090	8	3/8"
2174-2007	1/2"	8
2174-2008	1/8"	10
2175-1091	10	1/4"
2175-1092	10	3/8"
2175-1093	10	1/2"
2175-1094	12	1/4"
2175-1095	12	3/8"
2175-1096	12	1/2"
Tech Sheet 10019		

# ONE TOUCH+ PLASTIC PUSH-IN FITTINGS (16 BAR RATED)

° Working Temperature:  
0°C to +60°C

Maximum Working Pressure:  
16 bar (220 psi)

Media:  
Air and vacuum only.

Negative Pressure:  
-750mm Hg (10Torr)



## Reducing Manifolds



### Tube x Male Thread, BSPP

1060	Inlet OD mm	Outlet OD mm	Thread
2174-3000	4	4	G1/8"
2174-3001	4	4	G1/4"
2174-3002	6	6	G1/8"
2174-3003	6	6	G1/4"
2174-3004	6	6	G3/8"
2175-1097	6	4	1/8"
2174-3005	8	8	G1/8"
2175-1098	8	4	1/4"
2175-1099	8	6	1/4"
2174-3006	8	8	G1/4"
2174-3007	8	8	G3/8"
2175-1100	10	8	3/8"

Tech Sheet 10019



### Tube x Tube

1060	Inlet OD mm	Outlet OD mm
2175-1101	6	4
2175-1102	8	4
2175-1103	8	6
2175-1104	10	6
2175-1105	10	8

Tech Sheet 10019

## Manual Shut Off Valves



### BSPT x BSPT

1060	Thread	Thread
2175-1106	1/8"	1/8"
2175-1107	1/4"	1/8"
2175-1108	1/4"	1/4"
2175-1109	1/4"	3/8"
2175-1110	3/8"	3/8"
2175-1111	1/2"	3/8"
2175-1112	1/2"	1/2"

Tech Sheet 10019



### Tube x BSPT

1060	OD mm	Thread
2175-1113	6	1/8"
2175-1114	6	1/4"
2175-1115	6	3/8"
2175-1116	8	1/8"
2175-1117	8	1/4"
2175-1118	8	3/8"
2175-1119	10	1/4"
2175-1120	10	3/8"
2175-1121	10	1/2"
2175-1122	12	1/4"
2175-1123	12	3/8"
2175-1124	12	1/2"

Tech Sheet 10019



### Tube x Tube

1060	OD mm	OD mm
2175-1125	4	4
2175-1126	6	4
2175-1127	6	6
2175-1128	8	6
2175-1129	8	8
2175-1130	10	10
2175-1131	12	10
2175-1132	12	12

Tech Sheet 10019

## Speed Control Valves



### Tube x Metric & BSPT

1060	OD mm	Thread
2175-1133	4	M5
2175-1134	4	1/8"
2175-1135	4	1/4"
2175-1136	6	M5
2175-1137	6	M6
2175-1138	6	1/8"
2175-1139	6	1/4"
2175-1140	6	3/8"
2175-1141	8	1/8"
2175-1142	8	1/4"
2175-1143	8	3/8"
2175-1144	8	1/2"
2175-1145	10	1/4"
2175-1146	10	3/8"
2175-1147	10	1/2"
2175-1148	12	1/4"
2175-1149	12	3/8"
2175-1150	12	1/2"

Tech Sheet 10019



### Tube x Tube

1060	OD mm
2175-1151	4
2175-1152	6
2175-1153	8
2175-1154	10
2175-1155	12

Tech Sheet 10019




# PLASTIC PUSH-IN FITTINGS

## NPT & UNF Threads x Metric & Imperial Tube



 **Working Temperature:**  
0°C to +60°C

 **Maximum Working Pressure**  
10 bar (150 psi)

### Features:

- Convenient One Touch fittings provide instant connections
- Elliptical release ring facilitates pneumatic installation in confined spaces
- Light manual pressure on the elliptical release ring is all that is required to instantly disconnect each tube; no special tools required
- Nickel-plated brass threaded body ensures anti-corrosion and anti-contamination
- All taper threaded fittings are pre-coated with PTFE sealant and require no additional sealing

### Construction:

<b>Resin Body:</b>	PBT
<b>Metal Body:</b>	Nickel-plated brass
<b>Packing:</b>	Nitrile
<b>Back Ring:</b>	POM
<b>O-Ring:</b>	Nitrile
<b>Collar:</b>	Nickel-plated zinc
<b>Sleeve:</b>	POM
<b>Locking Claw:</b>	Stainless steel
<b>Media:</b>	Air and vacuum
<b>Threads:</b>	NPT, UNF
<b>OD:</b>	Metric and imperial tube sizes

# ONE TOUCH NPT PLASTIC PUSH-IN FITTINGS, IMPERIAL



° Working Temperature:  
0°C to +60°C

Maximum Working Pressure:  
10 bar (150 psi)

Media:  
Air and vacuum only.

Negative Pressure:  
-750mm Hg (10Torr)

## Male Studs



### Male Thread (Hex Body), NPT

1060	OD	Thread
2110-7800	1/8"	1/8"
2110-7826	1/8"	1/4"
2110-7842	5/32"	1/8"
2110-7859	5/32"	1/4"
2110-7875	3/16"	1/8"
2110-7909	3/16"	1/4"
2110-7925	3/16"	3/8"
2110-7941	1/4"	1/8"
2110-7958	1/4"	1/4"
2110-7966	1/4"	3/8"
2110-7974	5/16"	1/8"
2110-7982	5/16"	1/4"
2110-7990	5/16"	3/8"
2110-8006	3/8"	1/8"
2110-8014	3/8"	1/4"
2110-8022	3/8"	1/2"
2110-8063	1/2"	1/4"
2110-8071	1/2"	3/8"
2110-8089	1/2"	1/2"

Tech Sheet 1964

### Male Thread (Hex Body), UNF

1060	OD	Thread
2110-7776	1/8"	10-32
2110-7834	5/32"	10-32
2110-7933	1/4"	10-32

Tech Sheet 1964



### Male Thread (Round), NPT

1060	OD	Thread
2110-8105	1/8"	1/8"
2110-8113	1/8"	1/4"
2110-8139	5/32"	1/8"
2110-8147	5/32"	1/4"
2110-8188	3/16"	1/8"
2110-8204	3/16"	1/4"
2110-8220	3/16"	3/8"
2110-8246	1/4"	1/8"
2110-8253	1/4"	1/4"
2110-8279	1/4"	3/8"
2110-8287	1/4"	1/8"
2110-8295	1/4"	1/4"
2110-8303	1/4"	3/8"
2110-8311	3/8"	1/8"
2110-8329	3/8"	1/4"
2110-8337	3/8"	3/8"
2110-8345	3/8"	1/2"
2110-8352	1/2"	1/4"
2110-8360	1/2"	3/8"
2110-8378	1/2"	1/2"

Tech Sheet 1964

### Male Thread (Round), UNF

1060	OD	Thread
2110-8097	1/8"	10-32
2110-8121	5/32"	10-32
2110-8154	3/16"	10-32
2110-8238	1/4"	10-32

Tech Sheet 1964

## Female Studs



### Female Thread, NPT

1060	OD	Thread
2110-8386	1/8"	1/8"
2110-8394	1/8"	1/4"
2110-8402	5/32"	1/8"
2110-8410	5/32"	1/4"
2110-8428	3/16"	1/8"
2110-8436	3/16"	1/4"
2110-8444	1/4"	1/8"
2110-8451	1/4"	1/4"
2110-8469	1/4"	3/8"
2110-8477	5/16"	1/8"
2110-8485	5/16"	1/4"
2110-8493	5/16"	3/8"
2110-8519	3/8"	1/8"
2110-8527	3/8"	1/4"
2110-8535	3/8"	3/8"
2110-8543	3/8"	1/2"
2110-8550	1/2"	1/4"
2110-8568	1/2"	3/8"
2110-8576	1/2"	1/2"

Tech Sheet 1964



You might also need **Nylon Tubing**  
see **Section 7**



# ONE TOUCH NPT PLASTIC PUSH-IN FITTINGS, IMPERIAL

 <b>Working Temperature:</b>	 <b>Maximum Working Pressure:</b>	<b>Media:</b>	<b>Negative Pressure:</b>
Brass: 0°C to +60°C Acetal: 0°C to +60°C	10 bar (150 psi)	Air and vacuum only.	-750mm Hg (10Torr)

## Male Stud Swivel Elbows



### Male Thread, NPT

1060	OD	Thread
2110-8592	1/8"	1/8"
2110-8600	1/8"	1/4"
2110-8626	5/32"	1/8"
2110-8634	5/32"	1/4"
2110-8659	3/16"	1/8"
2110-8667	3/16"	1/4"
2110-8691	3/16"	3/8"
2110-8717	1/4"	1/8"
2110-8725	1/4"	1/4"
2110-8733	1/4"	3/8"
2110-8741	5/16"	1/8"
2110-8758	5/16"	1/4"
2110-8766	5/16"	3/8"
2110-8774	3/8"	1/8"
2110-8782	3/8"	1/4"
2110-8790	3/8"	3/8"
2110-8808	3/8"	1/2"
2110-8816	1/2"	1/4"
2110-8824	1/2"	3/8"
2110-8832	1/2"	1/2"

Tech Sheet 1964

### Male Thread, UNF

1060	OD	Thread
2110-8584	1/8"	10-32
2110-8618	5/32"	10-32
2110-8709	1/4"	10-32

Tech Sheet 1964

### Extended Male Thread, NPT

1060	OD	Thread
2110-8857	1/8"	1/8"
2110-8865	1/8"	1/4"
2110-8907	5/32"	1/4"
2110-8923	3/16"	1/8"
2110-8931	3/16"	1/4"
2110-8949	3/16"	3/8"
2110-8964	1/4"	1/8"
2110-8972	1/4"	1/4"
2110-8980	1/4"	3/8"
2110-8998	5/16"	1/8"
2110-9004	5/16"	1/4"
2110-9020	3/8"	1/8"
2110-9038	3/8"	1/4"
2110-9046	3/8"	3/8"
2110-9053	3/8"	1/2"
2110-9061	1/2"	1/4"
2110-9087	1/2"	1/2"

Tech Sheet 1964

### Extended Male Thread, UNF

1060	OD	Thread
2110-8840	1/8"	10-32
2110-8881	5/32"	10-32
2110-8915	3/16"	10-32
2110-8956	1/4"	10-32

Tech Sheet 1964

## Female Swivel Elbows



### Female Thread, NPT

1060	OD	Thread
2110-9095	1/8"	1/8"
2110-9111	5/32"	1/8"
2110-9129	5/32"	1/4"
2110-9137	3/16"	1/8"
2110-9145	3/16"	1/4"
2110-9178	1/4"	1/8"
2110-9186	1/4"	1/4"
2110-9194	1/4"	3/8"
2110-9202	5/16"	1/8"
2110-9228	5/16"	1/4"
2110-9236	5/16"	3/8"
2110-9251	5/16"	1/2"
2110-9277	3/8"	1/8"
2110-9269	3/8"	1/4"
2110-9285	3/8"	3/8"
2110-9293	3/8"	1/2"
2111-0093	1/2"	1/4"
2111-0101	1/2"	3/8"
2111-0119	1/2"	1/2"

Tech Sheet 1964



You might also need **Solenoid Valves**  
see **Section 10**

# ONE TOUCH PLASTIC PUSH-IN FITTINGS, IMPERIAL



## Male Stud Elbow



### Male Thread, BSPT

1060	OD	Thread
PL1/4-01	1/4"	1/8"
PL1/4-02	1/4"	1/4"
PL3/8-01	3/8"	1/8"
PL3/8-02	3/8"	1/4"
PL3/8-04	3/8"	1/2"
PL1/2-02	1/2"	1/4"
PL1/2-03	1/2"	3/8"
PL1/2-04	1/2"	1/2"

## Male Stud Tees



### Male Thread, BSPT

1060	OD	Thread
PB1/4-01	1/4"	1/8"
PB1/4-02	1/4"	1/4"
PB3/8-01	3/8"	1/8"
PB3/8-02	3/8"	1/4"
PB3/8-04	3/8"	1/2"
PB1/2-02	1/2"	1/4"
PB1/2-03	1/2"	3/8"
PB1/2-04	1/2"	1/2"



### Male Thread, NPT

1060	OD	Thread
PB1/8-N01	1/8"	1/8"
PB1/8-N02	1/8"	1/4"
PB1/4-N01	1/4"	1/8"
PB1/4-N02	1/4"	1/4"
PB3/8-N01	3/8"	1/8"
PB3/8-N02	3/8"	1/4"
PB3/8-N04	3/8"	1/2"
PB1/2-N02	1/2"	1/4"
PB1/2-N03	1/2"	3/8"
PB1/2-N04	1/2"	1/2"

## Male Studs



### Male Thread, BSPT

1060	OD	Thread
PC1/4-01	1/4"	1/8"
PC1/4-02	1/4"	1/4"
PC3/8-01	3/8"	1/8"
PC3/8-02	3/8"	1/4"
PC3/8-04	3/8"	1/2"
PC1/2-02	1/2"	1/4"
PC1/2-03	1/2"	3/8"
PC1/2-04	1/2"	1/2"

## Plugs



### Tube

1060	OD
PP1/8	1/8"
PP1/4	1/4"
PP3/8	3/8"
PP1/2	1/2"

## Female Studs



### Female Thread, BSPP

1060	OD	Thread
PCF1/4-01	1/4"	1/8"
PCF1/4-02	1/4"	1/4"
PCF3/8-01	3/8"	1/8"
PCF3/8-02	3/8"	1/4"
PCF3/8-04	3/8"	1/2"
PCF1/2-02	1/2"	1/4"
PCF1/2-03	1/2"	3/8"
PCF1/2-04	1/2"	1/2"

## Tube Cap



### Tube

1060	OD
PPF1/8	1/8"
PPF1/4	1/4"
PPF3/8	3/8"
PPF1/2	1/2"

## Tube x Tube Connectors



### Equal Straights

1060	OD
PU1/8	1/8"
PU1/4	1/4"
PU3/8	3/8"
PU1/2	1/2"



### Unequal Straights

1060	OD	OD
PG3/8-1/4	3/8"	1/4"
PG1/2-3/8	1/2"	3/8"



### Equal Elbows

1060	OD
PV1/8	1/8"
PV1/4	1/4"
PV3/8	3/8"
PV1/2	1/2"



### Equal Tees

1060	OD
PE1/8	1/8"
PE1/4	1/4"
PE3/8	3/8"
PE1/2	1/2"



### Equal Bulkheads

1060	OD
PM1/8	1/8"
PM1/4	1/4"
PM3/8	3/8"
PM1/2	1/2"



# ONE TOUCH NPT PLASTIC PUSH-IN FITTINGS, METRIC

**Working Temperature:**  
Brass: 0°C to +60°C  
Acetal: 0°C to +60°C

**Maximum Working Pressure:**  
10 bar (150 psi)

**Media:**  
Air and vacuum only.

**Negative Pressure:**  
-750mm Hg (10Torr)

## Male Studs



### Male Thread, NPT

1060	OD mm	Thread
2111-2420	4	1/8"
2111-2446	4	1/4"
2111-2453	4	3/8"
2111-2461	6	1/8"
2111-2479	6	1/4"
2111-2487	6	3/8"
2111-2495	8	1/8"
2111-2503	8	1/4"
2111-2511	8	3/8"
2111-2529	8	1/2"
2111-2537	10	1/8"
2111-2545	10	1/4"
2111-2552	10	3/8"
2111-2560	10	1/2"
2111-2578	12	1/4"
2111-2586	12	3/8"
2111-2594	12	1/2"

Tech Sheet 1964

## Male Stud Swivel Elbows



### Male Thread, NPT

1060	OD mm	Thread
2111-2768	4	1/8"
2111-2776	4	1/4"
2111-2784	6	1/8"
2111-2792	6	1/4"
2111-2800	6	3/8"
2111-2818	6	1/2"
2111-2826	8	1/8"
2111-2834	8	1/4"
2111-2842	8	3/8"
2111-2859	8	1/2"
2111-2867	10	1/8"
2111-2875	10	1/4"
2111-2883	10	3/8"
2111-2891	10	1/2"
2111-2909	12	1/4"
2111-2917	12	3/8"
2111-2925	12	1/2"

Tech Sheet 1964

## Female Swivel Elbows



### Female Thread, NPT

1060	OD mm	Thread
2111-3113	4	1/8"
2111-3121	4	1/4"
2111-3139	6	1/8"
2111-3147	6	1/4"
2111-3154	6	3/8"
2111-3162	8	1/8"
2111-3170	8	1/4"
2111-3196	8	3/8"
2111-3204	8	1/2"
2111-3212	10	1/8"
2111-3220	10	1/4"
2111-3238	10	3/8"
2111-3246	10	1/2"
2111-3253	12	1/4"
2111-3261	12	3/8"
2111-3279	12	1/2"

Tech Sheet 1964

## Female Studs



### Female Thread, NPT

1060	OD mm	Thread
2111-2602	4	1/8"
2111-2610	4	1/4"
2111-2628	6	1/8"
2111-2636	6	1/4"
2111-2644	6	3/8"
2111-2651	8	1/8"
2111-2669	8	1/4"
2111-2677	8	3/8"
2111-2685	8	1/2"
2111-2693	10	1/8"
2111-2701	10	1/4"
2111-2719	10	3/8"
2111-2727	10	1/2"
2111-2735	12	1/4"
2111-2743	12	3/8"
2111-2750	12	1/2"

Tech Sheet 1964

## Extended Male Thread, NPT



1060	OD mm	Thread
2111-2933	4	1/8"
2111-2941	4	1/4"
2111-2958	6	1/8"
2111-2966	6	1/4"
2111-2974	6	3/8"
2111-2982	8	1/8"
2111-3006	8	1/4"
2111-3014	8	3/8"
2111-3030	8	1/2"
2111-3048	10	1/8"
2111-3055	10	1/4"
2111-3063	10	3/8"
2111-3071	10	1/2"
2111-3089	12	1/4"
2111-3097	12	3/8"
2111-3105	12	1/2"

Tech Sheet 1964

## Branch Male Thread, NPT



1060	OD mm	Thread
2111-3287	4	1/8"
2111-3295	4	1/4"
2111-3303	6	1/8"
2111-3311	6	1/4"
2111-3329	6	3/8"
2111-3337	8	1/8"
2111-3345	8	1/4"
2111-3352	8	3/8"
2111-3360	8	1/2"
2111-3378	10	1/8"
2111-3386	10	1/4"
2111-3394	10	3/8"
2111-3402	10	1/2"
2111-3410	12	1/4"
2111-3428	12	3/8"
2111-3436	12	1/2"

Tech Sheet 1964

# ONE TOUCH NPT PLASTIC PUSH-IN FITTINGS, METRIC

**Working Temperature:**  
Brass: 0°C to +60°C  
Acetal: 0°C to +60°C

**Maximum Working Pressure:**  
10 bar (150 psi)

**Media:**  
Air and vacuum only.

**Negative Pressure:**  
-750mm Hg (10Torr)



## Male Stud Swivel Tees



### Run Male Thread, NPT

1060	OD mm	Thread
2111-3485	4	1/8"
2111-3519	4	1/4"
2111-3527	6	1/8"
2111-3535	6	1/4"
2111-3568	8	1/8"
2111-3576	8	1/4"
2111-3584	8	3/8"
2111-3592	8	1/2"
2111-3600	10	1/4"
2111-3618	10	3/8"
2111-3626	10	1/2"
2111-3634	12	1/4"
2111-3642	12	3/8"
2111-3659	12	1/2"

Tech Sheet 1964

## Male Stud Swivel Ys



### Male Thread, NPT

1060	OD mm	Thread
2111-3667	4	1/8"
2111-3675	6	1/8"
2111-3683	6	1/4"
2111-3691	6	3/8"
2111-3709	8	1/8"
2111-3717	8	1/4"
2111-3725	8	3/8"
2111-3733	8	1/2"
2111-3758	10	1/4"
2111-3766	10	3/8"
2111-3774	10	1/2"
2111-3782	12	1/4"
2111-3790	12	3/8"
2111-3808	12	1/2"

Tech Sheet 1964

## Female Bulkhead Connectors



### Female Thread, NPT

1060	OD mm	Thread
2111-3816	4	1/8"
2111-3832	4	1/4"
2111-3840	6	1/8"
2111-3857	6	1/4"
2111-3865	6	3/8"
2111-3873	6	1/2"
2111-3881	8	1/8"
2111-3899	8	1/4"
2111-3907	8	3/8"
2111-3915	8	1/2"
2111-3923	10	1/4"
2111-3931	10	3/8"
2111-3949	10	1/2"
2111-3956	12	1/4"
2111-3964	12	3/8"
2111-3972	12	1/2"

Tech Sheet 1964

## Single Banjos



### Male Thread, NPT

1060	OD mm	Thread
2111-4020	4	1/8"
2111-4038	6	1/8"
2111-4053	6	1/4"
2111-4061	8	1/8"
2111-4079	8	1/4"
2111-4087	8	3/8"
2111-4095	10	3/8"
2111-4111	12	1/4"
2111-4137	12	1/2"

Tech Sheet 1964

## Male x Female Thread (Stacking), NPT



1060	OD mm	Thread
2111-4145	4	1/8"
2111-4152	4	1/4"
2111-4160	6	1/8"
2111-4178	6	1/4"
2111-4186	6	3/8"
2111-4202	8	1/4"
2111-4210	8	3/8"
2111-4228	8	1/2"
2111-4236	10	1/4"
2111-4244	10	3/8"
2111-4251	10	1/2"
2111-4277	12	3/8"
2111-4285	12	1/2"

Tech Sheet 1964

## Reducing Manifolds



### Male Thread, NPT

1060	Inlet OD mm	Outlet OD mm	Thread
2111-3980	6	4	1/8"
2111-3998	8	4	1/4"
2111-4004	8	6	1/4"
2111-4012	10	8	3/8"

Tech Sheet 1964

## Speed Control Valves



### Male Thread, NPT

1060	OD mm	Thread
2111-4293	4	1/8"
2111-4301	4	1/4"
2111-4319	6	1/8"
2111-4327	6	1/4"
2111-4335	6	3/8"
2111-4343	8	1/8"
2111-4350	8	1/4"
2111-4368	8	3/8"
2111-4376	8	1/2"
2111-4384	10	1/4"
2111-4392	10	3/8"
2111-4400	10	1/2"
2111-4418	12	1/4"
2111-4426	12	3/8"
2111-4434	12	1/2"

Tech Sheet 1964

### Male Thread, NPT x Tube

1060	OD mm	Thread
2111-4442	6	1/8"
2111-4459	6	1/4"
2111-4467	6	3/8"
2111-4475	8	1/8"
2111-4483	8	1/4"
2111-4491	8	3/8"

Tech Sheet 1964




# ALL METAL PUSH-IN FITTINGS

## One Touch



 **Working Temperature:**  
-10°C to +60°C\*

 **Working Pressure**  
-0.8 bar to 8 bar\*

### Features:

- Convenient One Touch fittings provide instant connections
- Light manual pressure on the collet ring is all that is required to instantly disconnect each tube; no special tool is required
- Nickel-plated brass ensures anti-corrosion and anti-contamination

### Construction:

Resin Body: Nickel-plated brass

Packing: Nitrile

Back O-Ring: POM

O-Ring: Nitrile

Collet Ring: Nickel-plated brass

\*Dependent upon tubing specification.


# ALL METAL PUSH-IN FITTINGS

## One Touch Emergency Fittings Kits

Convenient, compact boxes containing a selection of popular KELM™ One Touch metal push-in fittings along with handy tube cutter. Available in three sizes: 6mm, 8mm and 10mm. Can be used with nylon 6, 11, 12, and polyurethane (ester and ether).



 **Working Temperature:**  
-10°C to +60°C\*

 **Working Pressure:**  
0.8 to 8 bar\*

\*Dependent upon tubing specification.

### Contents:

#### 6mm

Metal Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	2 x Shut Off Valves MNSF06	10 x Equal Tees MPUT-6
8 x Equal Elbows MPUL-6	8 x 1/8" BSPP Male Stud Elbows MPL6-G01	5 x 1/4" BSPP Male Stud Elbows MPL6-G02
2 x 1/8" BSPT Speed Controllers MNSE6-G01	2 x 1/4" BSPT Speed Controllers MNSE6-G02	10 x Equal Connectors MPUC-6
10 x 1/8" BSPT Male Studs MPC6-01	10 x 1/4" BSPT Male Studs MPC6-02	2 x Equal Bulkheads MPM-6
10 x 1/8" BSPP Male Studs MPC6-G01	10 x 1/4" BSPP Male Studs MPC6-G02	5 x M5 BSPT Male Studs MPC6-M5
		4 x 1/8" Manifolds KMDS-1/8

#### 8mm

Metal Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	2 x Shut Off Valves MNSF08	6 x Equal Tees MPUT-8	2 x Equal Bulkheads MPM-8
6 x Equal Elbows MPUL-8	6 x 1/8" BSPP Male Stud Elbows MPL8-G01	5 x 1/4" BSPP Male Stud Elbows MPL8-G02	
2 x 1/8" BSPT Speed Controllers MNSE8-G01	2 x 1/4" BSPT Speed Controllers MNSE8-G02	10 x Equal Connectors MPUC-8	
10 x 1/8" BSPT Male Studs MPC8-01	10 x 1/4" BSPT Male Studs MPC8-02	8 x 3/8" BSPT Male Studs MPC8-03	
8 x 1/8" BSPP Male Studs MPC8-G01	8 x 1/4" BSPP Male Studs MPC8-G02	4 x 1/8" Manifolds KMDS-1/8	

#### 10mm

Metal Push-in Fittings & Tube Cutter

1 x Tube Cutter KTC-1	1 x Shut Off Valve MNSF10	4 x Equal Tees MPUT-10
2 x Equal Elbows MPUL-10	2 x 1/4" BSPP Male Stud Elbows MPL10-G01	2 x 3/8" BSPP Male Stud Elbows MPL10-G03
2 x 1/4" BSPT Speed Controllers MNSE10-G02	1 x 3/8" BSPT Speed Controller MNSE10-G03	6 x Equal Connectors MPUC-10
8 x 1/4" BSPT Male Studs MPC10-02	10 x 3/8" BSPT Male Studs MPC10-03	2 x Equal Bulkheads MPM-10
8 x 1/4" BSPP Male Studs MPC10-G02	5 x 3/8" BSPP Male Studs MPC10-G03	1 x 1/4" Manifolds KMDS-1/4


### Metal Push-in


0315	OD mm
KELM-06MMBOX-M	6
KELM-08MMBOX-M	8
KELM-10MMBOX-M	10

Tech Sheet 3130



# ONE TOUCH ALL METAL PUSH-IN FITTINGS

 **Working Temperature:**  
-10°C to +60°C  
(dependent upon  
tubing specification)

 **Working Pressure:**  
0.8 to 8 bar (dependent  
upon tubing specification)

Tube connection and disconnection can be repeated several times and is performed with one hand, without the use of tools. Nickel plated brass bodies ensures anti-corrosion and anti-contamination.

**Material:** Body and Collet: Nickel plated brass  
**O-Ring:** Nitrile  
**Threads:** BSPT, BSPP and metric  
**Tube to Connect:** PU, PE, nylon 6-11-12  
**Fluid:** Compressed air

## Male Studs



### Male Thread, Metric & BSPT

0315	OD mm	Thread
MPC4-M5	4	M5
MPC4-01	4	1/8"
MPC4-M6	4	M6
MPC4-02	4	1/4"
MPC6-M5	6	M5
MPC6-01	6	1/8"
MPC6-M6	6	M6
MPC6-02	6	1/4"
MPC8-01	8	1/8"
MPC8-02	8	1/4"
MPC8-03	8	3/8"
MPC10-02	10	1/4"
MPC10-03	10	3/8"
MPC10-04	10	1/2"
MPC12-02	12	1/4"
MPC12-03	12	3/8"
MPC12-04	12	1/2"

Tech Sheet 3130



### Male Thread, BSPP

0315	OD mm	Thread
MPC4-M5	4	M5
MPC4-G01	4	1/8"
MPC4-G02	4	1/4"
MPC6-M5	6	M5
MPC6-G01	6	1/8"
MPC6-G02	6	1/4"
MPC6-G03	6	3/8"
MPC6-G04	6	1/2"
MPC8-G01	8	1/8"
MPC8-G02	8	1/4"
MPC8-G03	8	3/8"
MPC8-G04	8	1/2"
MPC10-G02	10	1/4"
MPC10-G03	10	3/8"
MPC10-G04	10	1/2"
MPC12-G02	12	1/4"
MPC12-G03	12	3/8"
MPC12-G04	12	1/2"
MPC14-G03	14	3/8"
MPC14-G04	14	1/2"

Tech Sheet 3130

## Male Hex Studs



### Male Super Thread

0315	OD mm	Thread
MPCS4-G01	4	1/8"
MPCS4-G02	4	1/4"
MPCS6-G01	6	1/8"
MPCS6-G02	6	1/4"
MPCS6-G03	6	3/8"
MPCS6-G04	6	1/2"
MPCS8-G01	8	1/8"
MPCS8-G02	8	1/4"
MPCS8-G03	8	3/8"
MPCS8-G04	8	1/2"
MPCS10-G02	10	1/4"
MPCS10-G03	10	3/8"
MPCS10-G04	10	1/2"
MPCS12-G02	12	1/4"
MPCS12-G03	12	3/8"
MPCS12-G04	12	1/2"
MPCS14-G03	14	3/8"
MPCS14-G04	14	1/2"

## Male Round Studs



### Male Super Thread

0315	OD mm	Thread
MPCS4-M5	4	M5
MPCS4-01	4	1/8"
MPCS6-M5	6	M5
MPCS6-01	6	1/8"
MPCS6-02	6	1/4"
MPCS8-01	8	1/8"
MPCS8-02	8	1/4"

## Female Studs



### Female Thread, BSPP

0315	OD mm	Thread
MPCF4-G01	4	1/8"
MPCF4-G02	4	1/4"
MPCF6-G01	6	1/8"
MPCF6-G02	6	1/4"
MPCF8-G01	8	1/8"
MPCF8-G02	8	1/4"
MPCF8-G03	8	3/8"
MPCF10-G02	10	1/4"
MPCF10-G03	10	3/8"
MPCF10-G04	10	1/2"
MPCF12-G02	12	1/4"
MPCF12-G03	12	3/8"
MPCF12-G04	12	1/2"

Tech Sheet 3130

## Female Bulkhead Connectors



### Female Thread, BSPP

0315	OD mm	Thread
MPMF6-G01	6	1/8"
MPMF6-G02	6	1/4"

Tech Sheet 3130

## Female Swivel Elbows



### Female Thread, BSPP

0315	OD mm	Thread
MPLF4-G01	4	1/8"
MPLF6-G01	6	1/8"
MPLF6-G02	6	1/4"
MPLF8-G02	8	1/4"
MPLF8-G04	8	1/2"
MPLF10-G02	10	1/4"

Tech Sheet 3130

# ONE TOUCH ALL METAL PUSH-IN FITTINGS

**Working Temperature:**  
-10°C to +60°C  
(dependent upon  
tubing specification)

**Working Pressure:**  
0.8 to 8 bar (dependent  
upon tubing specification)

Tube connection and disconnection can be repeated several times and is performed with one hand, without the use of tools. Nickel plated brass bodies ensures anti-corrosion and anti-contamination.

**Material:** Body and Collet: Nickel plated brass  
**O-Ring:** Nitrile  
**Threads:** BSPT, BSPP and metric  
**Tube to Connect:** PU, PE, nylon 6-11-12  
**Fluid:** Compressed air



## Male Stud Swivel Elbows



### Male Thread, Metric & BSPT

0315	OD mm	Thread
MPL4-01	4	1/8"
MPL6-01	6	1/8"
MPL6-02	6	1/4"
MPL8-01	8	1/8"
MPL8-02	8	1/4"
MPL8-03	8	3/8"
MPL8-04	8	1/2"
MPL10-02	10	1/4"
MPL10-03	10	3/8"
MPL10-04	10	1/2"
MPL12-02	12	1/4"
MPL12-03	12	3/8"
MPL12-04	12	1/2"
5711114-3/8	14	3/8"
5711114-1/2	14	1/2"

Tech Sheet 3130



### Extended Male Thread, BSPP

0315	OD mm	Thread
MPLL4-G01	4	1/8"
MPLL4-G02	4	1/4"
MPLL6-G01	6	1/8"
MPLL6-G02	6	1/4"
MPLL8-G01	8	1/8"
MPLL8-G02	8	1/4"
MPLL8-G03	8	3/8"
MPLL10-G02	10	1/4"
MPLL10-G03	10	3/8"
MPLL10-G04	10	1/2"
MPLL12-G02	12	1/4"
MPLL12-G03	12	3/8"
MPLL12-G04	12	1/2"

Tech Sheet 3130



### Male Thread, BSPP

0315	OD mm	Thread
MPL4-M5	4	M5
MPL4-G01	4	1/8"
MPL4-G02	4	1/4"
MPL6-M5	6	M5
MPL6-G01	6	1/8"
MPL6-G02	6	1/4"
MPL8-G01	8	1/8"
MPL8-G02	8	1/4"
MPL8-G03	8	3/8"
MPL8-G04	8	1/2"
MPL10-G02	10	1/4"
MPL10-G03	10	3/8"
MPL10-G04	10	1/2"
MPL12-G02	12	1/4"
MPL12-G03	12	3/8"
MPL12-G04	12	1/2"
MPL14-G03	14	3/8"
MPL14-G04	14	1/2"

Tech Sheet 3130

## Male Stud Elbows



### Male Thread, Metric & BSPT

0315	OD mm	Thread
MPLS4-M5	4	M5
MPLS4-01	4	1/8"
MPLS6-01	6	1/8"
MPLS6-02	6	1/4"
MPLS8-01	8	1/8"
MPLS8-02	8	1/4"
MPLS10-02	10	1/4"
MPLS10-03	10	3/8"
MPLS12-02	12	1/4"
MPLS12-03	12	3/8"

## Male Stud Swivel Tees



### Branch Male Thread, BSPP

0315	OD mm	Thread
MPB4-M5	4	M5
MPB4-G01	4	1/8"
MPB4-G02	4	1/4"
MPB6-M5	6	M5
MPB6-G01	6	1/8"
MPB6-G02	6	1/4"
MPB8-G01	8	1/8"
MPB8-G02	8	1/4"
MPB8-G03	8	3/8"
MPB8-G04	8	1/2"
MPB10-G02	10	1/4"
MPB10-G03	10	3/8"
MPB10-G04	10	1/2"
MPB12-G03	12	3/8"
MPB12-G04	12	1/2"
MPB14-G03	14	3/8"
MPB14-G04	14	1/2"

Tech Sheet 3130





### Run Male Thread, Metric & BSPP

0315	OD mm	Thread
MPBR4-M5	4	M5
MPBR4-G01	4	1/8"
MPBR4-G02	4	1/4"
MPBR6-M5	6	M5
MPBR6-G01	6	1/8"
MPBR6-G02	6	1/4"
MPBR8-G01	8	1/8"
MPBR8-G02	8	1/4"
MPBR8-G03	8	3/8"
MPBR8-G04	8	1/2"
MPBR10-G02	10	1/4"
MPBR10-G03	10	3/8"
MPBR10-G04	10	1/2"
MPBR12-G03	12	3/8"
MPBR12-G04	12	1/2"



# ONE TOUCH ALL METAL PUSH-IN FITTINGS

 **Working Temperature:**  
-10°C to +60°C  
(dependent upon  
tubing specification)

 **Working Pressure:**  
0.8 to 8 bar (dependent  
upon tubing specification)

Tube connection and disconnection can be repeated several times and is performed with one hand, without the use of tools. Nickel plated brass bodies ensures anti-corrosion and anti-contamination.

**Material:** Body and Collet: Nickel plated brass  
**O-Ring:** Nitrile  
**Threads:** BSPT, BSPP and metric  
**Tube to Connect:** PU, PE, nylon 6-11-12  
**Fluid:** Compressed air

## Tee Studs



### Male Thread, BSPT

0315	OD mm	Thread
MPBT4-M5	4	M5
MPBT4-01	4	1/8"
MPBT6-01	6	1/8"
MPBT8-01	8	1/8"
MPBT8-02	8	1/4"
MPBT10-02	10	1/4"
MPBT10-03	10	3/8"
MPBT12-02	12	1/4"
MPBT12-03	12	3/8"

## Double Banjo Swivel Studs



### Male Thread, Metric & BSPP

0315	OD mm	Thread
MPHD4-M5	4	M5
MPHD4-G01	4	1/8"
MPHD6-G01	6	1/8"
MPHD6-G02	6	1/4"
MPHD8-G01	8	1/8"
MPHD8-G02	8	1/4"

## Single Banjos



### Male Thread, Metric & BSPP

0315	OD mm	Thread
MPH4-M5	4	M5
MPH4-G01	4	1/8"
MPH6-G01	6	1/8"
MPH8-G01	8	1/8"
MPH8-G02	8	1/4"

Tech Sheet 3130

## Y Connector



### Equal

0315	Tube OD mm
MPYC4	4
MPYC6	6
MPYC8	8
MPYC10	10

## Speed Control Valves



### Tube x Metric & BSPP

0315	OD mm	Thread
MNSE4-M5	4	M5
MNSE4-G01	4	1/8"
MNSE4-G02	4	1/4"
MNSE6-G01	6	1/8"
MNSE6-G02	6	1/4"
MNSE8-G01	8	1/8"
MNSE8-G02	8	1/4"
MNSE8-G03	8	3/8"
MNSE10-G02	10	1/4"
MNSE10-G03	10	3/8"
MNSE10-G04	10	1/2"
MNSE12-G02	12	1/4"
MNSE12-G03	12	3/8"
MNSE12-G04	12	1/2"

Tech Sheet 3130

# ONE TOUCH ALL METAL PUSH-IN FITTINGS

**Working Temperature:**  
-10°C to +60°C  
(dependent upon tubing specification)

**Working Pressure:**  
0.8 to 8 bar (dependent upon tubing specification)

Tube connection and disconnection can be repeated several times and is performed with one hand, without the use of tools. Nickel plated brass bodies ensures anti-corrosion and anti-contamination.

**Material:** Body and Collet: Nickel plated brass  
**O-Ring:** Nitrile  
**Threads:** BSPT, BSPP and metric  
**Tube to Connect:** PU, PE, nylon 6-11-12  
**Fluid:** Compressed air



## Tube x Tube Connectors



### Equal Straights

0315	OD mm
MPUC-4	4
MPUC-6	6
MPUC-8	8
MPUC-10	10
MPUC-12	12
MPUC-14	14

Tech Sheet 3130



### Equal Ys

0315	OD mm
MPY-6	6
MPY-8	8

Tech Sheet 3130



### Unequal Straights

0315	OD mm	OD mm
MPG6-4	6	4
MPG8-6	8	6
MPG10-8	10	8
MPG12-10	12	10

Tech Sheet 3130



### Equal Bulkheads

0315	OD mm
MPM-4	4
MPM-6	6
MPM-8	8
MPM-10	10
MPM-12	12

Tech Sheet 3130



### Equal Elbows

0315	OD mm
MPUL-4	4
MPUL-6	6
MPUL-8	8
MPUL-10	10
MPUL-12	12
MPUL-14	14

Tech Sheet 3130



### Equal Tees

0315	OD mm
MPUT-4	4
MPUT-6	6
MPUT-8	8
MPUT-10	10
MPUT-12	12
MPUT-14	14

Tech Sheet 3130

## Tube x Stem Connectors



### Straight, Tube x Stem

0315	Stem OD mm	OD mm
MPJG6-4	6	4
MPJG8-4	8	4
MPJG8-6	8	6
MPJG10-4	10	4
MPJG10-6	10	6
MPJG10-8	10	8
MPJG12-8	12	8
MPJG12-10	12	10

Tech Sheet 3130

## Standpipes



### Male Thread, BSPP

0315	Stem OD mm	Thread
MPCJ4-G01	4	1/8"
MPCJ4-G02	4	1/4"
MPCJ6-G01	6	1/8"
MPCJ6-G02	6	1/4"
MPCJ8-G02	8	1/4"
MPCJ8-G03	8	3/8"
MPCJ8-G04	8	1/2"
MPCJ10-G02	10	1/4"
MPCJ10-G03	10	3/8"
MPCJ10-G04	10	1/2"
MPCJ12-G02	12	1/4"
MPCJ12-G03	12	3/8"
MPCJ12-G04	12	1/2"

Tech Sheet 3130



### Female Thread, BSPP

0315	Stem OD mm	Thread
MPCFJ4-G01	4	1/8"
MPCFJ4-G02	4	1/4"
MPCFJ6-G01	6	1/8"
MPCFJ6-G02	6	1/4"
MPCFJ8-G02	8	1/4"
MPCFJ8-G03	8	3/8"
MPCFJ8-G04	8	1/2"
MPCFJ10-G02	10	1/4"
MPCFJ10-G03	10	3/8"
MPCFJ10-G04	10	1/2"
MPCFJ12-G02	12	1/4"
MPCFJ12-G03	12	3/8"
MPCFJ12-G04	12	1/2"

Tech Sheet 3130

## Shut Off Valves



### Tube x Tube

0315	OD mm
MNSF04	4
MNSF06	6
MNSF08	8
MNSF10	10
MNSF12	12

Tech Sheet 3130



# STAINLESS STEEL PUSH-IN FITTINGS

## One Touch

stainless  
steel



All seals have  
FDA Certification



**Temperature Range:**  
-20°C to +200°C\*



**Working Pressure**  
10 bar\*



### Features:

- Convenient One Touch fittings provide instant connections
- Light manual pressure on the collet ring is all that is required to instantly disconnect each tube, no special tool is required
- Full stainless steel construction prevents corrosion and increases compatibility with more aggressive medias and environments

### Construction:

**Body & Collet:** 316 stainless steel


**O-Ring:** Viton (FDA certified)


**Tube to Connect:** PU, nylon, PTFE

**Media:** Compressed air,  
steam, water, other  
compatible liquids

\*Dependent upon tubing specification.

# ONE TOUCH ALL STAINLESS STEEL PUSH-IN FITTINGS

 Working Temperature:  
-20°C to +200°C

 Maximum Working Pressure:  
10 bar  
Negative Pressure:  
750mm Hg (10Torr)

Material:  
Body and Collet: 316 stainless steel  
O-Ring: Viton

Tube to Connect: PU, Nylon and PTFE  
Media: Compressed air, steam water and other compatible liquids



## Male Studs



### Male Thread, BSPP

0386	OD mm	Thread
SSPC4-01	4	1/8"
SSPC6-01	6	1/8"
SSPC6-02	6	1/4"
SSPC8-01	8	1/8"
SSPC8-02	8	1/4"
SSPC10-02	10	1/4"
SSPC10-03	10	3/8"
SSPC12-04	12	1/2"

Tech Sheet 10257



### Male Thread, BSPP

0386	OD mm	Thread
SSPC4-G01	4	1/8"
SSPC6-G01	6	1/8"
SSPC6-G02	6	1/4"
SSPC8-G01	8	1/8"
SSPC8-G02	8	1/4"
SSPC10-G02	10	1/4"
SSPC10-G03	10	3/8"
SSPC12-G04	12	1/2"

Tech Sheet 10257

## Female Studs



### Female Thread, BSPP

0386	OD mm	Thread
SSPCF4-G01	4	1/8"
SSPCF6-G01	6	1/8"
SSPCF6-G02	6	1/4"
SSPCF8-G01	8	1/8"
SSPCF8-G02	8	1/4"
SSPCF10-G02	10	1/4"
SSPCF10-G03	10	3/8"
SSPCF12-G03	12	3/8"
SSPCF12-G04	12	1/2"

Tech Sheet 10257

## Male Stud Swivel Elbows



### Male Thread, BSPP

0386	OD mm	Thread
SSPL4-01	4	1/8"
SSPL6-01	6	1/8"
SSPL6-02	6	1/4"
SSPL8-01	8	1/8"
SSPL8-02	8	1/4"
SSPL10-02	10	1/4"
SSPL10-03	10	3/8"
SSPL12-04	12	1/2"

Tech Sheet 10257



### Male Thread, BSPP

0386	OD mm	Thread
SSPL4-G01	4	1/8"
SSPL6-G01	6	1/8"
SSPL6-G02	6	1/4"
SSPL8-G01	8	1/8"
SSPL8-G02	8	1/4"
SSPL10-G02	10	1/4"
SSPL10-G03	10	3/8"
SSPL12-G04	12	1/2"

Tech Sheet 10257

## Female Stud Elbows



### Female Thread, BSPP

0386	OD mm	Thread
SSPLF4-G01	4	1/8"
SSPLF6-G01	6	1/8"
SSPLF6-G02	6	1/4"
SSPLF8-G01	8	1/8"
SSPLF8-G02	8	1/4"
SSPLF10-G02	10	1/4"
SSPLF10-G03	10	3/8"
SSPLF12-G03	12	3/8"
SSPLF12-G04	12	1/2"

Tech Sheet 10257

## Male Stud Swivel Tees



### Branch Male Thread, BSPP

0386	OD mm	Thread
SSPB4-G01	4	1/8"
SSPB6-G01	6	1/8"
SSPB6-G02	6	1/4"
SSPB8-G01	8	1/8"
SSPB8-G02	8	1/4"
SSPB10-G02	10	1/4"
SSPB10-G03	10	3/8"
SSPB12-G03	12	3/8"
SSPB12-G04	12	1/2"

Tech Sheet 10257

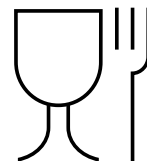
## Speed Control Valves



### Male Thread, BSPP

0386	OD mm	Thread
SSNSE4-G01	4	1/8"
SSNSE6-G01	6	1/8"
SSNSE6-G02	6	1/4"
SSNSE8-G01	8	1/8"
SSNSE8-G02	8	1/4"
SSNSE8-G03	8	3/8"
SSNSE10-G02	10	1/4"
SSNSE10-G03	10	3/8"
SSNSE10-G04	10	1/2"
SSNSE12-G04	12	1/2"

Tech Sheet 10257



All seals have FDA Certification






# ONE TOUCH ALL STAINLESS STEEL PUSH-IN FITTINGS

stainless  
steel

**KELMK**  
Enhanced Quality Performance

 Working Temperature:  
-20°C to +200°C

 Maximum Working Pressure:  
10 bar  
Negative Pressure:  
750mm Hg (10Torr)

Material:  
Body and Collet: 316 stainless steel  
O-Ring: Viton

Tube to Connect: PU, Nylon and PTFE  
Media: Compressed air, steam water and other compatible liquids

## Tube x Tube Connectors



### Equal Straights

0386	OD mm
SSPUC-4	4
SSPUC-6	6
SSPUC-8	8
SSPUC-10	10
SSPUC-12	12
Tech Sheet 10257	



### Equal Tees

0386	OD mm
SSPUT-4	4
SSPUT-6	6
SSPUT-8	8
SSPUT-10	10
SSPUT-12	12
Tech Sheet 10257	



### Tube x Stem Reducers

0386	OD mm	OD mm
SSPGJ6-4	6	4
SSPGJ8-4	8	4
SSPGJ8-6	8	6
SSPGJ10-6	10	6
SSPGJ10-8	10	8
SSPGJ12-8	12	8
SSPGJ12-10	12	10
Tech Sheet 10257		



### Unequal Straights

0386	OD mm	OD mm
SSPG6-4	6	4
SSPG8-4	8	4
SSPG8-6	8	6
SSPG10-6	10	6
SSPG10-8	10	8
SSPG12-8	12	8
SSPG12-10	12	10
Tech Sheet 10257		



### Equal Bulkheads

0386	OD mm
SSPM-4	4
SSPM-6	6
SSPM-8	8
SSPM-10	10
SSPM-12	12
Tech Sheet 10257	



### Tube

0386	OD mm
SSPP-4	4
SSPP-6	6
SSPP-8	8
SSPP-10	10
SSPP-12	12
Tech Sheet 10257	



### Equal Elbows

0386	OD mm
SSPUL-4	4
SSPUL-6	6
SSPUL-8	8
SSPUL-10	10
SSPUL-12	12
Tech Sheet 10257	



### Equal Ys

0386	OD mm
SSPY-4	4
SSPY-6	6
SSPY-8	8
SSPY-10	10
SSPY-12	12
Tech Sheet 10257	



All seals have FDA Certification

# 50000 SERIES METAL BODY PUSH-IN FITTINGS

Working Temperature:  
-20°C to +80°C

Maximum Working Pressure:  
20 bar

**Material:**  
**Body and Collet:** Robust nickel plated brass body and Acetalic resin collet

**O-Ring:** Nitrile  
**Media:** Compressed air



## Male Studs



### Universal, BSPT & BSPP

1025	OD mm	Thread
50000N4-1/8	4	1/8"
50000N4-1/4	4	1/4"
50000N6-M6	6	M6
50000N6-1/8	6	1/8"
50000N6-1/4	6	1/4"
50000N6-3/8	6	3/8"
50000N6-1/2	6	1/2"
50000N8-1/8	8	1/8"
50000N8-1/4	8	1/4"
50000N8-3/8	8	3/8"
50000N8-1/2	8	1/2"
50000N10-1/4	10	1/4"
50000N10-3/8	10	3/8"
50000N10-1/2	10	1/2"
50000N12-1/4	12	1/4"
50000N12-3/8	12	3/8"
50000N12-1/2	12	1/2"
50000N14-3/8	14	3/8"
50000N14-1/2	14	1/2"

## Female Studs



### BSPP

1025	OD mm	Thread
50030N4-M5	4	M5
50030N4-1/8	4	1/8"
50030N4-1/4	4	1/4"
50030N6-1/8	6	1/8"
50030N6-1/4	6	1/4"
50030N8-1/8	8	1/8"
50030N8-1/4	8	1/4"
50030N8-3/8	8	3/8"
50030N10-1/4	10	1/4"
50030N10-3/8	10	3/8"
50030N12-3/8	12	3/8"
50030N12-1/2	12	1/2"

## Straight Connector



### Equal

1025	OD mm
50040N4	4
50040N6	6
50040N8	8
50040N10	10
50040N12	12

### Unequal

1025	OD mm	OD mm
50040N6-4	4	6
50040N8-6	6	8
50040N10-8	8	10
50040N12-10	10	12

## Bulkhead Connector



### Equal

1025	OD mm
50050N4	4
50050N6	6
50050N8	8
50050N10	10
50050N12	12
50050N14	14

## Reducer



### Tube x Stem Reducers

1025	OD mm	OD mm
50700N6-4	6	4
50700N8-4	8	4
50700N8-6	8	6
50700N10-4	10	4
50700N10-6	10	6
50700N10-8	10	8
50700N12-8	12	8
50700N12-10	12	10

## Elbows



### Equal

1025	OD mm
50130N4	4
50130N6	6
50130N8	8
50130N10	10
50130N12	12
50130N14	14

Push-in Fittings



 Working Temperature:  
-20°C to +80°C

 Maximum Working Pressure:  
20 bar

**Material:**  
**Body and Collet:** Robust nickel plated  
brass body and Acetalic resin collet

**O-Ring:** Nitrile  
**Media:** Compressed air

## Male Swivel Elbows



### Universal, BSPT & BSPP

1025	OD mm	Thread
50111N4-1/8	4	1/8"
50111N4-1/4	4	1/4"
50111N6-1/8	6	1/8"
50111N6-1/4	6	1/4"
50111N8-1/8	8	1/8"
50111N8-1/4	8	1/4"
50111N8-3/8	8	3/8"
50111N8-1/2	8	1/2"
50111N10-1/4	10	1/4"
50111N10-3/8	10	3/8"
50111N10-1/2	10	1/2"
50111N12-3/8	12	3/8"
50111N12-1/2	12	1/2"
50111N14-3/8	14	3/8"
50111N14-1/2	14	1/2"

## Female Swivel Elbows



### BSPP

1025	OD mm	Thread
50106N4-1/8	4 mm	1/8"
50106N4-1/4	4 mm	1/4"
50106N6-1/8	6 mm	1/8"
50106N6-1/4	6 mm	1/4"
50106N8-1/8	8 mm	1/8"
50106N8-1/4	8 mm	1/4"
50106N8-3/8	8 mm	3/8"

## Male Swivel Tees



### Universal, BSPT & BSPP

1025	OD mm	Thread
50211N4-1/8	4	1/8"
50211N4-1/4	4	1/4"
50211N6-1/8	6	1/8"
50211N6-1/4	6	1/4"
50211N8-1/8	8	1/8"
50211N8-1/4	8	1/4"
50211N8-3/8	8	3/8"
50211N8-1/2	8	1/2"
50211N10-1/4	10	1/4"
50211N10-3/8	10	3/8"
50211N10-1/2	10	1/2"
50211N12-3/8	12	3/8"
50211N12-1/2	12	1/2"
50211N14-3/8	14	3/8"
50211N14-1/2	14	1/2"

## Male Swivel Offset Tees



### Universal, BSPT & BSPP

1025	OD mm	Thread
50223N4-1/8	4 mm	1/8"
50223N4-1/4	4 mm	1/4"
50223N6-1/8	6 mm	1/8"
50223N6-1/4	6 mm	1/4"
50223N8-1/8	8 mm	1/8"
50223N8-1/4	8 mm	1/4"
50223N8-3/8	8 mm	3/8"
50223N8-1/2	8 mm	1/2"
50223N10-1/4	10 mm	1/4"
50223N10-3/8	10 mm	3/8"
50223N10-1/2	10 mm	1/2"
50223N12-3/8	12 mm	3/8"
50223N12-1/2	12 mm	1/2"

## Tees



### Equal

1025	OD mm
50230N4	4
50230N6	6
50230N8	8
50230N10	10
50230N12	12
50230N14	14

## Y Connectors



### Equal

1025	OD mm
50310N4	4
50310N6	6
50310N8	8
50310N10	10

## Male Swivel Banjo



### Universal, BSPT & BSPP

1025	OD mm	Thread
50550N4-M5	4	M5
50550N4-1/8	4	1/8"
50550N6-M5	6	M5
50550N6-1/8	6	1/8"
50550N6-1/4	6	1/4"
50550N8-1/8	8	1/8"
50550N8-1/4	8	1/4"
50550N8-3/8	8	3/8"
50550N10-1/4	10	1/4"
50550N10-3/8	10	3/8"
50550N12-3/8	12	3/8"

# PUSH-IN FITTINGS, METRIC



Media:

Compressed air. Suitable for vacuum.

## Straight Adaptors



### Male Thread, Super Thread

1400	OD mm	Thread
LM0104M3	4	M3
LM0104M5	4	M5
RM010411	4	1/8"
RM010412	4	1/4"
RM010511	5	1/8"
RM010512	5	1/4"
RM010611	6	1/8"
RM010612	6	1/4"
RM010811	8	1/8"
RM010812	8	1/4"
RM010813	8	3/8"
RM011012	10	1/4"
RM011013	10	3/8"
RM011014	10	1/2"
RM011213	12	3/8"
RM011214	12	1/2"



### Male Thread, Metric

1400	OD mm	Thread
RM0104M5	4	M5
RM0105M5	5	M5
RM0106M5	6	M5



### Male Thread, BSPP

1400	OD mm	Thread
PM010411E	4	1/8"
PM010412E	4	1/4"
PM010511E	5	1/8"
PM010512E	5	1/4"
PM010611E	6	1/8"
PM010612E	6	1/4"
PM010811E	8	1/8"
PM010812E	8	1/4"
PM010813E	8	3/8"
PM011012E	10	1/4"
PM011013E	10	3/8"
PM011014E	10	1/2"
PM011213E	12	3/8"
PM011514E	15	1/2"

Temperature at:	Pressure 5/32" - 5/16" 4mm - 8mm	Pressure 3/8" - 1/2": 10mm - 22mm
<b>Air</b>		
-20°C	16 bar	10 bar
<b>Potable Liquids and Air</b>		
+1°C	16 bar	10 bar
+20°C	16 bar	10 bar
+65°C	10 bar	7 bar



### Male Thread, BSPT

1400	OD mm	Thread
PM010401E	4	1/8"
PM010402E	4	1/4"
PM010501E	5	1/8"
PM010502E	5	1/4"
PM010601E	6	1/8"
PM010602E	6	1/4"
PM010801E	8	1/8"
PM010802E	8	1/4"
PM010803E	8	3/8"
PM011002E	10	1/4"
PM011003E	10	3/8"
PM011004E	10	1/2"
PM011203E	12	3/8"
PM011204E	12	1/2"

## Brass Straight Adaptors



### Male Thread, BSPP

1400	OD mm	Thread
MM010411	4	1/8"
MM010611	6	1/8"
MM010612	6	1/4"
MM010812	8	1/4"



### Male Super Thread

1400	OD mm	Thread
LM010411	4	1/8"

## Equal Tees



### Tube x Tube

1400	OD mm
LM0203E	3
PM0204E	4
PM0205E	5
PM0206E	6
PM0208E	8
PM0210E	10
PM0212E	12
PM0215E	15

## Equal Elbows



### Tube x Tube

1400	OD mm
LM0303E	3
PM0304E	4
PM0305E	5
PM0306E	6
PM0308E	8
PM0310E	10
PM0312E	12
PM0315E	15

## Reducing Elbow Connectors



### Tube x Tube

1400	OD mm	OD mm
PM210604E	6	4
PM210804E	8	4
PM210806E	8	6
PM211004E	10	4
PM211006E	10	6
PM211008E	10	8
PM211208E	12	8
PM211210E	12	10



## Female Adaptors



### BSPP

1400	OD mm	Thread
PM450411E	4	1/8"
PM450611E	6	1/8"
PM450612E	6	1/4"
PM450812E	8	1/4"
PM451015FE	10	5/8"

## Stem Elbows



### Tube x Stem

1400	OD mm	Stem OD mm
PM220404E	4	4
PM220505E	5	5
PM220606E	6	6
PM220808E	8	8
PM221010E	10	10
PM221212E	12	12
PM221515E	15	15

## Equal Straight Connectors



### Tube x Tube

1400	OD mm
LM0403E	3
PM0404E	4
PM0405E	5
PM0406E	6
PM0408E	8
PM0410E	10
PM0412E	12
PM0415E	15

## Reducing Straight Connectors



### Tube x Tube

1400	OD mm	OD mm
PM200604E	6	4
PM200804E	8	4
PM200806E	8	6
PM201004E	10	4
PM201006E	10	6
PM201008E	10	8
PM201208E	12	8
PM201210E	12	10

## Stem Adaptors



### Super Thread, BSPP

1400	Stem OD mm	Thread
RM050411	4	1/8"
RM050412	4	1/4"
RM050512	5	1/4"
RM050611	6	1/8"
RM050612	6	1/4"
RM050812	8	1/4"
RM051013	10	3/8"
RM051014	10	1/2"
RM051213	12	3/8"



### Metric

1400	Stem OD mm	Thread
RM0504M5	4	M5
RM0506M5	6	M5

## Dividers



### Tube x Tube

1400	OD mm
PM2304E	4
RM2306E	6
RM2308E	8
PM2310E	10



### BSPT

1400	Stem OD mm	Thread
PM050401E	4	1/8"
PM050402E	4	1/4"
PM050501E	5	1/8"
PM050502E	5	1/4"
PM050601E	6	1/8"
PM050602E	6	1/4"
PM050801E	8	1/8"
PM050802E	8	1/4"
PM050803E	8	3/8"
PM051002E	10	1/4"
PM051003E	10	3/8"
PM051004E	10	1/2"
PM051203E	12	3/8"
PM051204E	12	1/2"



### BSPP

1400	Stem OD mm	Thread
PM050411E	4	1/8"
PM050412E	4	1/4"
PM050511E	5	1/8"
PM050512E	5	1/4"
PM050611E	6	1/8"
PM050612E	6	1/4"
PM050811E	8	1/8"
PM050812E	8	1/4"
PM050813E	8	3/8"
PM051012E	10	1/4"
PM051013E	10	3/8"
PM051014E	10	1/2"
PM051213E	12	3/8"
PM051214E	12	1/2"

# PUSH-IN FITTINGS, METRIC



## Bulkhead Adaptors

**Media:**  
Compressed air. Suitable for vacuum.  
Maximum bulkhead mounting torque 27Nm.



### BSPP

1400	OD mm	Thread	Bulkhead
RM070612	6	1/4"	3/8"
RM070812	8	1/4"	3/8"

## Swivel Tees Offset Leg

**Media:**  
Compressed Air. Suitable for Vacuum.



### BSPT

1400	OD mm	Thread
PM110601E	6	1/8"
PM110802E	8	1/4"
PM111003E	10	3/8"
PM111203E	12	3/8"
PM111204E	12	1/2"



### BSPP Thread

1400	OD mm	Thread
PM110411E	4	1/8"
PM110511E	5	1/8"
PM110512E	5	1/4"
PM110611E	6	1/8"
PM110612E	6	1/4"
PM110811E	8	1/8"
PM110812E	8	1/4"
PM110813E	8	3/8"
PM111012E	10	1/4"
PM111013E	10	3/8"
PM111014E	10	1/2"
PM111213E	12	3/8"
PM111214E	12	1/2"

## Bulkhead Connectors



### BSPP Thread

1400	OD mm	Thread
PM1204E	4	3/8"
PM1205E	5	3/8"
PM1206E	6	3/8"
PM1208E	8	1/2"
PM1210E	10	1/2"
PM1212E	12	3/4"

## Reducers



### Tube x Stem

1400	Stem OD mm	Thread
PM060504E	5	4
PM060604E	6	4
PM060605E	6	5
PM060804E	8	4
PM060805E	8	5
PM060806E	8	6
PM061006E	10	6
PM061008E	10	8
PM061208E	12	8
PM061210E	12	10
PM061510E	15	10
PM061512E	15	12

## Enlargers



### Tube x Stem

1400	Stem OD mm	OD mm
PM130405E	4	5

## Single Banjo Body



### BSPP Thread

1400	OD mm	Thread
RM150411E	4	1/8"
RM150511E	5	1/8"
RM150811E	8	1/4"
RM151013E	10	3/8"
RM151214E	12	1/2"

## Banjo Bolts



### Single, BSPP Thread

1400	Thread
RM1611	1/8"
RM1614	1/2"

**Media:**  
Compressed air. Suitable for vacuum.



### Double, BSPP Thread

1400	Thread
RM1711	1/8"
RM1712	1/4"
RM1713	3/8"
RM1714	1/2"







## Tube Insert - For use with PU Tube

### Media:

Compressed air. Suitable for vacuum.

Tube inserts should be used for soft or thin wall tubing or when using polyurethane tube above. 10 bar to a maximum of 16 bar.



### Tube

1400	OD mm
LMTS04	4

## Plugs

### Media:

Compressed Air. Suitable for vacuum.



### Tube

1400	Stem OD mm	Colour
PM0804R	4	Red
PM0805R	5	Red
PM0806R	6	Red
PM0808R	8	Red
PM0810R	10	Red
PM0812R	12	Red
PM0815R	15	Black

## Swivel Elbows



### Super Thread, BSPP

1400	OD mm	Thread
RM090411	4	1/8"
RM090412	4	1/4"
RM090611	6	1/8"
RM090612	6	1/4"
RM090811	8	1/8"
RM090812	8	1/4"
RM091012	10	1/4"
RM091013	10	3/8"
RM091213	12	3/8"
RM091214	12	1/2"



### Metric Thread

1400	OD mm	Thread
LM0903M3	3	M3
LM0904M3	4	M3
LM0904M5	4	M5
RM0904M5	4	M5
RM0905M5	5	M5
RM0906M5	6	M5



### BSPP Thread

1400	OD mm	Thread
PM090411E	4	1/8"
PM090412E	4	1/4"
PM090511E	5	1/8"
PM090512E	5	1/4"
PM090611E	6	1/8"
PM090612E	6	1/4"
PM090811E	8	1/8"
PM090812E	8	1/4"
PM090813E	8	3/8"
PM091012E	10	1/4"
PM091013E	10	3/8"
PM091014E	10	1/2"
PM091213E	12	3/8"
PM091214E	12	1/2"



### BSPT Thread

1400	OD mm	Thread
PM090401E	4	1/8"
PM090402E	4	1/4"
PM090501E	5	1/8"
PM090502E	5	1/4"
PM090601E	6	1/8"
PM090602E	6	1/4"
PM090801E	8	1/8"
PM090802E	8	1/4"
PM090803E	8	3/8"
PM091002E	10	1/4"
PM091003E	10	3/8"
PM091004E	10	1/2"
PM091203E	12	3/8"
PM091204E	12	1/2"



You might also need **Polyurethane Recoil Hoses**  
see **Section 7**



# PUSH-IN FITTINGS, METRIC



## Swivel Tees Centre Leg



### Super Thread, BSPP

1400	OD mm	Thread
RM100611	6	1/8"
RM100612	6	1/4"



### BSPT Thread

1400	OD mm	Thread
PM100401E	4	1/8"
PM100402E	4	1/4"
PM100502E	5	1/4"
PM100601E	6	1/8"
PM100602E	6	1/4"
PM100801E	8	1/8"
PM100802E	8	1/4"
PM100803E	8	3/8"
PM101002E	10	1/4"
PM101003E	10	3/8"
PM101004E	10	1/2"
PM101203E	12	3/8"
PM101204E	12	1/2"



### BSPP Thread

1400	OD mm	Thread
PM100411E	4	1/8"
PM100412E	4	1/4"
PM100511E	5	1/8"
PM100512E	5	1/4"
PM100611E	6	1/8"
PM100612E	6	1/4"
PM100811E	8	1/8"
PM100812E	8	1/4"
PM100813E	8	3/8"
PM101012E	10	1/4"
PM101013E	10	3/8"
PM101014E	10	1/2"
PM101213E	12	3/8"
PM101214E	12	1/2"

## Tube to Hose Stem



### Stem x Hose Tail

1400	Stem OD mm	To Suit Hose ID mm
PM250604E	6	4
PM250806E	8	6
PM251008E	10	8

## Collet Covers



### Colour Coding and Additional Security

The slip-on collet covers shown in this photograph prevent accidental removal or tampering with tubing. Tubing can be inserted with the collet cover already attached to the fittings or the cover can be slid into position afterwards. The cover is easily removed as and when required and comes in a variety of colours for colour-coding.

Colours available - suffix indicates colour

i.e. E = Black S = Grey  
R = Red B = Blue  
Y = Yellow G = Green

Please indicate, by suffix the colour required or black will be supplied.

### Metric

1400	OD mm
PM1904E	4
PM1905E	5
PM1910E	10
PM1912E	12
PM1915E	15
PM1922E	22

## Locking Clip



1400	OD mm
PMC1815R	15



You might also need **Nylon Tubing**  
see **Section 7**





## Banjo Flow Controls

Working Temperature:  
+5°C to +70°C

Working Pressure:  
0.5 to 10 bar

**Maximum Torque Values:**  
M5 1.5 Nm  
G1/8 4.0 Nm  
G1/4 10.0 Nm

**Filtration Required:**  
50 micron

**Materials:**  
Acetal copolymer, brass, stainless steel, nitrile

ISO 1219-1 : 1991

Banjo flow controls are designed for installation directly into the cylinder ports to give precise control. They regulate the speed of pneumatic cylinders and other actuators.



### With Screwdriver Adjustment, Metric & BSPP

1400	OD mm	Thread
BFC3604M5E	4	M5
BFC360411E	4	1/8"
BFC360611E	6	1/8"
BFC360612E	6	1/4"
BFC360812E	8	1/4"
BFC361013E	10	3/8"
BFC361214E	12	1/2"

### With Manual Adjustment, Metric & BSPP

1400	OD mm	Thread
CFM3604M5E	4	M5
CFM360411E	4	1/8"
CFM360611E	6	1/8"
CFM360612E	6	1/4"
CFM360812E	8	1/4"

Push-in Fittings



You might also need **Ball Valves** see **Section 10**



# PUSH-IN FITTINGS, IMPERIAL



**Media:**

Compressed air. Suitable for vacuum.

- Drink dispensers and pure water fittings.

Temperature at:	Working Pressure 5/32"-5/16"	Working Pressure 3/8"-1/2"
+20°C	16 bar	10 bar
+23°C	16 bar	10 bar
+70°C	10 bar	7 bar

## Straight Adaptors



### Male Thread, BSPT

1400	OD	Thread
PM010401S	5/32"	1/8"
PM010402S	5/32"	1/4"
PI010601S	3/16"	1/8"
PI010602S	3/16"	1/4"
PI010801S	1/4"	1/8"
PI010802S	1/4"	1/4"
PM010801S	5/16"	1/8"
PM010802S	5/16"	1/4"
PM010803S	5/16"	3/8"
PI011202S	3/8"	1/4"
PI011203S	3/8"	3/8"
PI011603S	1/2"	3/8"
PI011604S	1/2"	1/2"

### Male Thread, BSPP

1400	OD	Thread
PI010812S	1/4"	1/4"
PI011212S	3/8"	1/4"

### Male Thread, NPT

1400	OD	Thread
PM010421S	5/32"	1/8"
PM010422S	5/32"	1/4"
PI010621S	3/16"	1/8"
PI010821S	1/4"	1/8"
PI010822S	1/4"	1/4"
PI010823S	1/4"	3/8"
PM010821S	5/16"	1/8"
PM010822S	5/16"	1/4"
PM010823S	5/16"	3/8"
PI011221S	3/8"	1/8"
PI011222S	3/8"	1/4"
PI011223S	3/8"	3/8"
PI011224S	3/8"	1/2"
PI011623S	1/2"	3/8"
PI011624S	1/2"	1/2"
PI012026S	5/8"	3/4"

## Equal Straight Connectors



### Tube x Tube

1400	OD
PM0404S	5/32"
PI0406S	3/16"
PI0408S	1/4"
PM0408S	5/16"
PI0412S	3/8"
PI0416S	1/2"

## Equal Tees



### Tube x Tube

1400	OD
PM0204S	5/32"
PI0206S	3/16"
PI0208S	1/4"
PM0208S	5/16"
PI0212S	3/8"
PI0216S	1/2"

## Branch Reducing Tees



### Tube x Tube

1400	OD	OD
PI301208S	3/8"	1/4"
PI301612S	1/2"	3/8"

## Bulkhead Connectors



### Tube x Tube

1400	OD
PM1204S	5/32"
PI1206S	3/16"
PI1208S	1/4"
PM1208S	5/16"
PI1212S	3/8"
PI1216S	1/2"

## Swivel Branch Tee



### BSPT

1400	OD	Thread
PI100802S	1/4"	1/4"

## Swivel Branch Tee



### BSPT

1400	OD	Thread
PM110801S	5/16"	1/8"



## Reducing Bulkhead Connectors



### Tube x Tube

1400	OD	OD
PI121208S	3/8"	1/4"

## Stem Adaptors



### Male Thread, BSPT

1400	Stem OD	Thread
PI050601S	3/16"	1/8"
PI050801S	1/4"	1/8"
PI050802S	1/4"	1/4"
PM050801S	5/16"	1/8"
PM050802S	5/16"	1/4"
PI051202S	3/8"	1/4"
PI051203S	3/8"	3/8"
PI051603S	1/2"	3/8"
PI051604S	1/2"	1/2"

### Male Thread, BSPP

1400	Stem OD	Thread
PI051212S	3/8"	1/4"
PI051213S	3/8"	3/8"

### Male Thread, NPT

1400	Stem OD	Thread
PM050421S	5/32"	1/8"
PM050422S	5/32"	1/4"
PI050621S	3/16"	1/8"
PI050821S	1/4"	1/8"
PI050822S	1/4"	1/4"
PI050823S	1/4"	3/8"
PM050821S	5/16"	1/8"
PM050822S	5/16"	1/4"
PM050823S	5/16"	3/8"
PI051222S	3/8"	1/4"
PI051223S	3/8"	3/8"
PI051623S	1/2"	3/8"
PI051624S	1/2"	1/2"

## Equal Elbows



### Tube x Tube

1400	OD
PM0304S	5/32"
PI0306S	3/16"
PI0308S	1/4"
PM0308S	5/16"
PI0312S	3/8"
PI0316S	1/2"

## Reducing Elbows



### Tube x Tube

1400	OD	OD
PM210804S	5/16"	5/32"
PI211006S	5/16"	3/16"
PI211008S	5/16"	1/4"
PI211206S	3/8"	3/16"
PI211208S	3/8"	1/4"
PI211210S	3/8"	5/16"
PI211610S	1/2"	5/16"
PI211612S	1/2"	3/8"

## Stem Elbows



### Tube x Stem

1400	Stem OD	Thread
PM220404S	5/32"	5/32"
PI220606S	3/16"	3/16"
PI220808S	1/4"	1/4"
PM220808S	5/16"	5/16"
PI221206S	3/8"	3/16"
PI221208S	3/8"	1/4"
PI221210S	3/8"	5/16"
PI221212S	3/8"	3/8"
PI221616S	1/2"	1/2"

## Rigid Elbows



### Male Thread, NPT

1400	OD	Thread
PI480821S	1/4"	1/8"
PI480822S	1/4"	1/4"
PI480823S	1/4"	3/8"
PI481022S	5/16"	1/4"
PI481023S	5/16"	3/8"
PI481222S	3/8"	1/4"
PI481223S	3/8"	3/8"
PI482024S	5/8"	1/2"

## Swivel Elbows



### Male Thread, BSPT

1400	OD	Thread
PI090801S	1/4"	1/8"
PI090802S	1/4"	1/4"
PM090801S	5/16"	1/8"
PM090803S	5/16"	3/8"
PI091202S	3/8"	1/4"
PI091203S	3/8"	3/8"
PI091603S	1/2"	3/8"
PI091604S	1/2"	1/2"

### Male Thread, NPT

1400	OD	Thread
PM090421S	5/32"	1/8"
PI090621S	3/16"	1/8"
PI090822S	1/4"	1/4"
PI091623S	1/2"	3/8"
PI091624S	1/2"	1/2"

# PUSH-IN FITTINGS, IMPERIAL



## Plugs



### Tube

1400	Stem OD
PM0804S	5/32"
PI0806S	3/16"
PI0808S	1/4"
PM0808S	5/16"
PI0812S	3/8"
PI0816S	1/2"

## Female Adaptors



### BSPP

1400	OD	Thread
PI451014FS	5/16"	1/2"
PI451213S	3/8"	3/8"
PI451214FS	3/8"	1/2"
PI451613S	1/2"	3/8"



### NPT

1400	OD	Thread
PI450822S	1/4"	1/4"
PI451222S	3/8"	1/4"

## Reducers



### Tube x Stem

1400	Stem OD	OD
PI060605S	3/16"	5/32"
PI061006S	5/16"	3/16"
PI061008S	5/16"	1/4"
PI061206S	3/8"	3/16"
PI061208S	3/8"	1/4"
PI061210S	3/8"	5/16"
PI061610S	1/2"	5/16"
PI061612S	1/2"	3/8"

## Dividers



### 2 Way, Tube x Tube

1400	OD
PI2308S	1/4"
PI2312S	3/8"
PI2316S	1/2"



### Reducing 2 Way, Tube x Tube

1400	OD A	OD B
PI241210S	3/8"	5/16"



### Reducing 3 Way, Tube x Tube

1400	OD A	OD B
PI491612S	1/2"	3/8"

## Enlargers



### Tube x Stem

1400	OD	Stem OD
PI131012S	3/8"	5/16"
PI131216S	1/2"	3/8"

## Cross



### Tube x Tube

1400	OD
PI4712S	3/8"

## U-Bends



### Tube x Tube

1400	OD
PIUB16S	1/2"

## End Stops



1400	OD
PI4608S	1/4"
PI4612S	3/8"







### Tube to Hose Stems



#### Stem x Hose Tail

1400	Stem OD	To Suit Hose ID
PI250806S	1/4"	3/16"
PI250808S	1/4"	1/4"
PI250810S	1/4"	5/16"
PI251006S	5/16"	3/16"
PI251008S	5/16"	1/4"
PM250808S	5/16"	5/16"
PI251012S	5/16"	3/8"
PI251208S	3/8"	1/4"
PI251210S	3/8"	5/16"
PI251212S	3/8"	3/8"
PI251216S	3/8"	1/2"
PI251612S	1/2"	3/8"
PI251616S	1/2"	1/2"

### Tube Hose to Elbows



#### Stem x Hose Tail

1400	Stem OD	To Suit Hose ID
PI290808S	1/4"	1/4"
PI290810S	1/4"	5/16"
PI291008S	5/16"	1/4"
PM290808S	5/16"	5/16"
PI291208S	3/8"	1/4"
PI291210S	3/8"	5/16"

### Reducing Straight Connectors



#### Tube x Tube

1400	OD A	OD B
PI200806S	1/4"	3/16"
PM200804S	5/16"	5/32"
PI201006S	5/16"	3/16"
PI201008S	5/16"	1/4"
PI201206S	3/8"	3/16"
PI201208S	3/8"	1/4"
PI201210S	3/8"	5/16"
PI201610S	1/2"	5/16"
PI201612S	1/2"	3/8"

### Flow Bend Tube Clips



#### 90°

1400	OD mm	OD
PM2608S	8	5/16"
PM2610S	10	3/8"

### Tube Supports



#### Tube

1400	To Suit Hose ID
TSI250S	1/4"
TSI312S	5/16"
TSI375S	3/8"

### Locking Clip



1400	OD
PIC1808R	1/4"
PIC1812R	3/8"

### Collet Covers



#### Imperial

1400	OD
PM1904S	5/32"
PI1908S	1/4"
PM1908S	5/16"
PI1916S	1/2"



# LEAK-FREE, PUSH-IN FITTINGS NPT THREADS X IMPERIAL TUBE

Introducing LIQUIfit™ a range of leak-free, push-in fittings in a bio-based compact body.

LIQUIfit™ offers:

- The most compact profile on the market
- EPDM patented sealing technology
- Full flow
- No pumping effect
- No need for locking clip or tube insert
- Optimum performance suitable for food and water contact
- 100% bio-based body and base

 **Working Temperature:**

1/4"	+2°C to +38°C +65°C +93°C
3/8"	+2°C to +38°C +65°C +93°C
1/2"	+2°C to +38°C +65°C +93°C

 **Maximum Working Pressure:**

16 bar
10 bar
6 bar
13 bar
7 bar
4 bar
11 bar
7 bar
4 bar

Suitable for use with chemicals and other potentially aggressive liquids. Please contact our technical department for full details.



## Male Stud Fittings



### Hexagonal, NPT

1014	OD	Thread
LE-6305 56 14W	1/4"	1/4"
LE-6305 62 22W	1/2"	1/2"

Tech Sheet 10625

## Fixed Male Stud Elbows



### NPT

1014	OD	Thread
LE-6379 56 14W	1/4"	1/4"
LE-6379 56 18W	1/4"	3/8"
LE-6379 60 14W	3/8"	1/4"
LE-6379 60 18W	3/8"	3/8"

Tech Sheet 10625

## Swivel Male Stud Elbows



### NPT

1014	OD	Thread
LE-6309 56 11W	1/4"	1/8"
LE-6309 56 14W	1/4"	1/4"
LE-6309 56 18W	1/4"	3/8"
LE-6309 60 14W	3/8"	1/4"
LE-6309 60 18W	3/8"	3/8"
LE-6309 62 18W	1/2"	3/8"
LE-6309 62 22W	1/2"	1/2"

Tech Sheet 10625

## Female Stud Fittings



### NPT

1014	OD	Thread
LE-6315 56 14W	1/4"	1/4"
LE-6315 60 18W	3/8"	3/8"

Tech Sheet 10625

## Tap Connectors



### UNS

1014	OD	Thread
LE-6325 56 133W	1/4"	7/16-24
LE-6325 60 133W	3/8"	7/16-24

Tech Sheet 10625

## Tees



### Equal

1014	OD
LE-6304 56 00W	1/4"
LE-6304 60 00W	3/8"
LE-6304 62 00W	1/2"

Tech Sheet 10625



### Reducing Branch

1014	OD	OD
LE-6304 60 56W	3/8"	1/4"

Tech Sheet 10625

# LEAK-FREE, PUSH-IN FITTINGS NPT THREADS X IMPERIAL TUBE

## Swivel Branch Tees



### NPT

1014	OD	Thread
LE-6308 56 11W	1/4"	1/8"
LE-6308 56 14W	1/4"	1/4"
LE-6308 56 18W	1/4"	3/8"
LE-6308 60 14W	3/8"	1/4"
LE-6308 60 18W	3/8"	3/8"
LE-6308 62 18W	1/2"	3/8"
LE-6308 62 22W	1/2"	1/2"

Tech Sheet 10625

## Swivel Male Run Tees



### NPT

1014	OD	Thread
LE-6303 56 14W	1/4"	1/4"
LE-6303 56 18W	1/4"	3/8"
LE-6303 60 18W	3/8"	3/8"
LE-6303 62 18W	1/2"	3/8"
LE-6303 62 22W	1/2"	1/2"

Tech Sheet 10625

## Stem Adaptors



### NPT

1014	Stem OD	Thread
LE-6321 56 11W	1/4"	1/8"
LE-6321 56 14W	1/4"	1/4"
LE-6321 60 14W	3/8"	1/4"
LE-6321 60 18W	3/8"	3/8"
LE-6321 62 18W	1/2"	3/8"
LE-6321 62 22W	1/2"	1/2"

Tech Sheet 10625

## Equal Elbows



### Tube x Tube

1014	OD
LE-6302 56 00W	1/4"
LE-6302 60 00W	3/8"
LE-6302 62 00W	1/2"

Tech Sheet 10625

## Straight Connectors



### Equal, Tube x Tube

1014	OD
LE-6306 56 00W	1/4"
LE-6306 60 00W	3/8"
LE-6306 62 00W	3/8"

Tech Sheet 10625

## Tube/Tube Connectors



### Unequal, Tube x Tube

1014	OD	OD
LE-6306 56 60W	1/4"	3/8"
LE-6306 60 62W	3/8"	1/2"

Tech Sheet 10625

## Bulkhead Connectors



### Tube x Tube

1014	OD
LE-6316 56 00W	1/4"
LE-6316 60 00W	3/8"
LE-6316 62 00W	1/2"

Tech Sheet 10625

## Single Y Pieces



### Tube x Tube

1014	OD
LE-6340 56 00W	1/4"
LE-6340 60 00W	3/8"
LE-6340 62 00W	1/2"

Tech Sheet 10625

## Tube Blanking Caps



### Tube

1014	OD
LE-6351 56 00W	1/4"
LE-6351 60 00W	3/8"

Tech Sheet 10625

## Reducers



### Tube x Stem

1014	OD	Stem OD
LE-6366 56 08W	1/4"	5/16"
LE-6366 56 60W	1/4"	3/8"
LE-6366 60 62W	3/8"	1/2"

Tech Sheet 10625

## Plug-in Equal Compact Elbows



### Tube x Stem

1014	OD
LE-6382 56 00W	1/4"
LE-6382 60 00W	3/8"
LE-6382 62 00W	1/2"

Tech Sheet 10625

## Plug-in Equal Branch Tees



### Tube x Stem

1014	OD
LE-6388 56 00W	1/4"
LE-6388 60 00W	3/8"
LE-6388 62 00W	1/2"

Tech Sheet 10625

# LEAK-FREE, PUSH-IN FITTINGS NPT THREADS X IMPERIAL TUBE



## Connectors



### Tube x Hose Tail

1014	Stem OD	To Suit Hose ID
LE-6322 56 56W	1/4"	0.28
LE-6322 60 56W	3/8"	0.28
LE-6322 60 08W	3/8"	0.33
LE-6322 60 60W	3/8"	0.4
LE-6322 62 60W	1/2"	0.4

Tech Sheet 10625

## Plugs



### Tube

1014	OD
LE-6326 56 00W	1/4"
LE-6326 60 00W	3/8"
LE-6326 62 00W	1/2"

Tech Sheet 10625

## Acetal Check Valves



### Tube x Tube

1014	OD
LE-7992 56 00W	1/4"
LE-7992 60 00W	3/8"

Tech Sheet 10625

## Tank Ball Valves



### Tube x Female, NPT

1014	OD	Thread
LE-4022 56 14W	1/4"	1/4"
LE-4022 60 18W	3/8"	3/8"

Tech Sheet 10625

## In-line Ball Valves



### Tube x Tube

1014	OD
LE-4020 56 00W	1/4"
LE-4020 60 00W	3/8"

Tech Sheet 10625



### Tube x Male, NPT

1014	OD	Thread
LE-4021 56 14W	1/4"	1/4"
LE-4021 60 18W	3/8"	3/8"

Tech Sheet 10625



### Tube x Female, NPT

1014	OD	Thread
LE-4023 60 22W	3/8"	1/2"

Tech Sheet 10625



# LEAK-FREE, PUSH-IN FITTINGS BSP THREADS X METRIC TUBE



## Male Stud Fittings



### BSPT

1014	OD mm	Thread
LE-6505 04 10W	4	1/8"
LE-6505 04 13W	4	1/4"
LE-6505 06 10W	6	1/8"
LE-6505 06 13W	6	1/4"
LE-6505 08 10W	8	1/8"
LE-6505 08 13W	8	1/4"
LE-6505 08 17W	8	3/8"
LE-6505 10 13W	10	1/4"
LE-6505 10 17W	10	3/8"
LE-6505 10 21W	10	1/2"
LE-6505 12 17W	12	3/8"
LE-6505 12 21W	12	1/2"

Tech Sheet 10625

## Swivel Male Stud Fittings



### BSPT

1014	OD mm	Thread
LE-6509 06 10W	6	1/8"
LE-6509 06 13W	6	1/4"
LE-6509 06 17W	6	3/8"
LE-6509 08 10W	8	1/8"
LE-6509 08 13W	8	1/4"
LE-6509 08 17W	8	3/8"
LE-6509 10 13W	10	1/4"
LE-6509 10 17W	10	3/8"
LE-6509 10 21W	10	1/2"
LE-6509 12 17W	12	3/8"
LE-6509 12 21W	12	1/2"

Tech Sheet 10625

## Swivel Male Run Tees



### BSPT

1014	OD mm	Thread
LE-6503 06 10W	6	1/8"
LE-6503 06 13W	6	1/4"
LE-6503 06 17W	6	3/8"
LE-6503 08 10W	8	1/8"
LE-6503 08 13W	8	1/4"
LE-6503 08 17W	8	3/8"
LE-6503 10 13W	10	1/4"
LE-6503 10 17W	10	3/8"
LE-6503 10 21W	10	1/2"
LE-6503 12 17W	12	3/8"
LE-6503 12 21W	12	1/2"

Tech Sheet 10625

## Female Stud Fittings



### BSPT

1014	OD mm	Thread
LE-6315 06 10W	6	1/8"
LE-6315 06 13W	6	1/4"
LE-6315 08 13W	8	1/4"
LE-6315 08 17W	8	3/8"

Tech Sheet 10625

## Tees



### Equal

1014	OD mm
LE-6304 04 00W	4
LE-6304 06 00W	6
LE-6304 08 00W	8
LE-6304 10 00W	10
LE-6304 12 00W	12

Tech Sheet 10625

## Stem Adaptors



### BSPT

1014	OD mm	Thread
LE-6521 06 10W	6	1/8"
LE-6521 06 13W	6	1/4"
LE-6521 06 17W	6	3/8"
LE-6521 08 10W	8	1/8"
LE-6521 08 13W	8	1/4"
LE-6521 08 17W	8	3/8"
LE-6521 10 13W	10	1/4"
LE-6521 10 17W	10	3/8"
LE-6521 10 21W	10	1/2"
LE-6521 12 17W	12	3/8"
LE-6521 12 21W	12	1/2"

Tech Sheet 10625

## Fixed Male Stud Elbows



### BSPT

1014	OD mm	Thread
LE-6579 06 10W	6	1/8"
LE-6579 06 13W	6	1/4"
LE-6579 06 17W	6	3/8"

Tech Sheet 10625

## Swivel Branch Tees



### BSPT

1014	OD mm	Thread
LE-6508 06 10W	6	1/8"
LE-6508 06 13W	6	1/4"
LE-6508 06 17W	6	3/8"
LE-6508 08 10W	8	1/8"
LE-6508 08 13W	8	1/4"
LE-6508 08 17W	8	3/8"
LE-6508 10 13W	10	1/4"
LE-6508 10 17W	10	3/8"
LE-6508 10 21W	10	1/2"
LE-6508 12 17W	12	3/8"
LE-6508 12 21W	12	1/2"

Tech Sheet 10625

# LEAK-FREE, PUSH-IN FITTINGS



## Equal Elbows



### Tube x Tube

1014	OD mm
LE-6302 04 00W	4
LE-6302 06 00W	6
LE-6302 08 00W	8
LE-6302 10 00W	10
LE-6302 12 00W	12

Tech Sheet 10625

## Single Y Pieces



### Tube x Tube

1014	OD mm
LE-6340 04 00W	4
LE-6340 06 00W	6
LE-6340 08 00W	8
LE-6340 10 00W	10
LE-6340 12 00W	12

Tech Sheet 10625

## Plug-in Equal Compact Elbows



### Tube x Stem

1014	OD mm
LE-6382 04 00W	4
LE-6382 06 00W	6
LE-6382 08 00W	8
LE-6382 10 00W	10
LE-6382 12 00W	12

Tech Sheet 10625

## Straight Connectors



### Equal, Tube x Tube

1014	OD mm
LE-6306 04 00W	4
LE-6306 06 00W	6
LE-6306 08 00W	8
LE-6306 10 00W	10
LE-6306 12 00W	12

Tech Sheet 10625

## Tube Blanking Caps



### Tube

1014	OD mm
LE-6351 04 00W	4
LE-6351 06 00W	6
LE-6351 08 00W	8
LE-6351 10 00W	10
LE-6351 12 00W	12

Tech Sheet 10625

## Plug-in Equal Branch Tees



### Tube x Stem

1014	OD mm
LE-6388 04 00W	4
LE-6388 06 00W	6
LE-6388 08 00W	8
LE-6388 10 00W	10

Tech Sheet 10625

## Bulkhead Connectors



### Tube x Tube

1014	OD mm
LE-6316 04 00W	4
LE-6316 06 00W	6
LE-6316 08 00W	8
LE-6316 10 00W	10
LE-6316 12 00W	12

Tech Sheet 10625

## Reducers



### Tube x Stem

1014	OD mm	Stem OD mm
LE-6366 04 06W	4	6
LE-6366 06 08W	6	8
LE-6366 08 10W	8	10
LE-6366 10 12W	10	12
LE-6366 12 14W	12	14

Tech Sheet 10625

## Plugs



### Tube

1014	OD mm
LE-6326 04 00W	4
LE-6326 06 00W	6
LE-6326 08 00W	8
LE-6326 10 00W	10
LE-6326 12 00W	12

Tech Sheet 10625





## ITAP-FIT® Fitting

Suitable for:  
Copper, PEX and Polybutylene pipe.

° Working Temperature:  
-20°C to +120°C



Maximum Working Pressure:  
Copper Pipe: 20 bar @ 25°C, 10 bar @ 90°C  
PEX and Polybutylene Pipe: 12 bar @ 25°C, 5 bar @ 90°C



## Female Stud Coupling

0089	OD mm	Thread
610B038012	12	3/8"
610B012012	12	1/2"
610B012014	14	1/2"
610B012015	15	1/2"
610B012016	16	1/2"
610B012018	18	1/2"
610B012020	20	1/2"
610B034018	18	3/4"
610B034022	22	3/4"
610B034025	25	3/4"
610B100028	28	1"

Tech Sheet 10533



## Male Stud Coupling

0089	OD mm	Thread
615B038012	12	3/8"
615B038014	14	3/8"
615B012012	12	1/2"
615B012014	14	1/2"
615B012015	15	1/2"
615B012016	16	1/2"
615B012018	18	1/2"
615B012020	20	1/2"
615B034018	18	3/4"
615B034022	22	3/4"
615B034025	25	3/4"
615B100028	28	1"

Tech Sheet 10533



## Female Stud 90° Elbow, BSPT

0089	OD mm	Thread
645B038012	12	3/8"
645B012012	12	1/2"
645B012014	14	1/2"
645B012015	15	1/2"
645B012016	16	1/2"
645B012018	18	1/2"
645B012020	20	1/2"
645B034018	18	3/4"
645B034022	22	3/4"
645B034025	25	3/4"
645B100028	28	1"

Tech Sheet 10533



## Female Stud 90° Elbow (Wall Mount), BSPT

0089	OD mm	Thread
648B038012	12	3/8"
648B012012	12	1/2"
648B012014	14	1/2"
648B012015	15	1/2"
648B012016	16	1/2"
648B012018	18	1/2"
648B012020	20	1/2"
648B034018	18	3/4"
648B034022	22	3/4"

Tech Sheet 10533



## Male Stud 90° Elbow, BSPT

0089	OD mm	Thread
640B038012	12	3/8"
640B012012	12	1/2"
640B012014	14	1/2"
640B012015	15	1/2"
640B012016	16	1/2"
640B012018	18	1/2"
640B012020	20	1/2"
640B034018	18	3/4"
640B034022	22	3/4"
640B034025	25	3/4"
640B100028	28	1"

Tech Sheet 10533



## Female Branch Tee, BSPT

0089	OD mm	Thread
635B012014	14	1/2"
635B012015	15	1/2"
635B012016	16	1/2"
635B012018	18	1/2"
635B012020	20	1/2"
635B034018	18	3/4"
635B034022	22	3/4"
635B034025	25	3/4"
635B100028	28	1"

Tech Sheet 10533



## Disconnecting Clip

0089	OD mm
671012	12
671014	14
671015	15
671016	16
671018	18
671020	20
671022	22
671025	25
671028	28

Tech Sheet 10533



## Depth Gauge

0089
685012028

Tech Sheet 10533

# BRASS PUSH-IN PLUMBING TUBE FITTINGS



## ITAP-FIT® Fitting

Suitable for:  
Copper, PEX and Polybutylene pipe

° Working Temperature:  
-20°C to +120°C



Maximum Working Pressure:  
Copper Pipe: 20 bar @ 25°C, 10 bar @ 90°C  
PEX and Polybutylene Pipe: 12 bar @ 25°C, 5 bar @ 90°C



### Straight

0089	OD mm
620C000012	12
620C000014	14
620C000015	15
620C000016	16
620C000018	18
620C000020	20
620C000022	22
620C000025	25
620C000028	28

Tech Sheet 10533



### End Stop

0089	OD mm
625C000012	12
625C000014	14
625C000015	15
625C000016	16
625C000018	18
625C000020	20
625C000022	22

Tech Sheet 10533



### O-Ring

0089	OD mm
656EP012	12
656EP014	14
656EP015	15
656EP016	16
656EP018	18
656EP020	20
656EP022	22
656EP025	25
656EP028	28

Tech Sheet 10533



### Equal 90° Elbow

0089	OD mm
650C000012	12
650C000014	14
650C000015	15
650C000016	16
650C000018	18
650C000020	20
650C000022	22
650C000025	25
650C000028	28

Tech Sheet 10533



### Tube Liner

0089	To Suit
655BU012110	12 x 1.1
655BU012180	12 x 1.8
655BU012200	12 x 2.0
655BU015180	15 x 1.8
655BU015250	15 x 2.5
655BU016150	16 x 1.5
655BU016180	16 x 1.8
655BU016200	16 x 2.0
655BU018200	18 x 2.0
655BU020190	20 x 1.9
655BU020280	20 x 2.8
655BU022200	22 x 2.0
655BU025230	25 x 2.3
655BU025250	25 x 2.5
655BU028280	28 x 2.8
655BU028300	28 x 3.0

Tech Sheet 10533



### Spacer

0089	OD mm
657DI012	12
657DI014	14
657DI015	15
657DI016	16
657DI018	18
657DI020	20
657DI022	22
657DI025	25
657DI028	28

Tech Sheet 10533



### Equal Tee

0089	OD mm
630C000012	12
630C000014	14
630C000015	15
630C000016	16
630C000018	18
630C000020	20
630C000022	22
630C000025	25
630C000028	28

Tech Sheet 10533



### Ring

0089	OD mm
658AG012	12
658AG014	14
658AG015	15
658AG016	16
658AG018	18
658AG020	20
658AG022	22
658AG025	25
658AG028	28

Tech Sheet 10533



## Male Stud Couplings Mix Box

### Contains:

2 x M12 x 8, 2 x M16 x 12, 2 x M16 x 8,  
2 x M22 x 12, 2 x M16 x 10, 1 x M22 x 15,  
2 x M22 x 10, 1 x M22 x 18



14 Piece

1360  
008ABK

## Male Stud Elbow Mix Box

### Contains:

2 x M12 x 8, 1 x M22 x 10, 2 x M16 x 8,  
1 x M16 x 12, 2 x M22 x 8, 1 x M22 x 12,  
2 x M12 x 10, 1 x M22 x 15, 2 x M16 x 10,  
1 x M22 x 18



15 Piece

1360  
081ABK

## Straight Connectors Mix Box

### Contains:

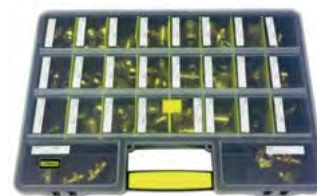
2 x 6 mm, 2 x 12 mm, 2 x 8 mm,  
2 x 15 mm, 2 x 10 mm, 2 x 16 mm,  
1 x 18 mm



15 Piece

1360  
085ABK

## Workshop & Mobile Full Repair/Service Kit



120 Piece

1360  
086ABK

## Male Studs



### Metric

1360	OD mm	Thread
800212ABF	6	M12
800216ABF	6	M16
800312ABF	8	M12
800316ABF	8	M16
800322ABF	8	M22
800412ABF	10	M12
800416ABF	10	M16
800422ABF	10	M22
800516ABF	12	M16
800522ABF	12	M22
800622ABF	15	M22
800722ABF	16	M22
800822ABF	18	M22
800826ABF	18	M26

## Male Stud Elbows



### Metric

1360	OD mm	Thread
810212ABF	6	M12
810216ABF	6	M16
810312ABF	8	M12
810316ABF	8	M16
810322ABF	8	M22
810412ABF	10	M12
810416ABF	10	M16
810422ABF	10	M22
810516ABF	12	M16
810522ABF	12	M22
810622ABF	15	M22
810722ABF	16	M22
810822ABF	18	M22

## Bulkheads



### Metric

1360	Thread
703222ABF	M22 x M16 x F10 mm
703322ABF	M22 x M18 x F12 mm
703522ABF	M22 x M22 x F16 mm

## Hex Straight



### Metric

1360	Thread
750300ABF	M12
750500ABF	M16
750700ABF	M22

# AIR BRAKE FITTINGS



## Straight Joiners



### Tube

1360	OD mm
850200ABF	6
850300ABF	8
850400ABF	10
850500ABF	12
850600ABF	15
850700ABF	16
850800ABF	18

## Elbow Joiners



### Tube

1360	OD mm
860200ABF	6
860300ABF	8
860900ABF	9
860400ABF	10
860110ABF	11
860500ABF	12
860600ABF	15
860700ABF	16
860800ABF	18

## Tee Joiners



### Tube

1360	OD mm
870200ABF	6
870300ABF	8
870400ABF	10
870500ABF	12
870600ABF	15

## Elbows



### Female Thread, Metric

1360	Thread
760300ABF	M12
760500ABF	M16
760700ABF	M18



### Male Thread x Female Thread, Metric

1360	Male Thread	Female Thread
710312ABF	M12	M12
710316ABF	M16	M12
710322ABF	M22	M12
710516ABF	M16	M16
710522ABF	M22	M16
710722ABF	M22	M22



### F Elbow,

### Male Thread x Female Thread, Metric

1360	Male Thread	Female Thread
743516ABF	M16	M16



### 45° Elbow,

### Male Thread x Female Thread, Metric

1360	Male Thread	Female Thread
740516ABF	M16	M16
740722ABF	M22	M22

## Tees



### Female Thread, Metric

1360	Thread
770300ABF	M12
770500ABF	M16
770700ABF	M18



### Male Thread x Female Thread, Metric

1360	Male Thread	Female Thread
730312ABF	M12	M12
730316ABF	M16	M12
730322ABF	M22	M12
730516ABF	M16	M16
730522ABF	M22	M16
730722ABF	M22	M22

## Stud Run Tee



### Male Thread x Female Thread, Metric

1360	Male Thread	Female Thread
720312ABF	M12	M12
720316ABF	M16	M12
720322ABF	M22	M12
720516ABF	M16	M16
720522ABF	M22	M22
720722ABF	M22	M22



# AIR BRAKE FITTINGS

## Test Points



### Male Thread, Metric

1360	Thread
TPM12T	M12
TPM16T	M16
TPM22T	M22

## Drain Taps



### Male Thread, Metric

1360	Thread
TT3T	M22

## Blanking Plugs



### Male Thread, Metric

1360	Thread
BP12B	M12
BP16B	M16
BP22B	M22

# AIR BRAKE SWIVEL FITTINGS

## Male Studs



### Male Thread, Metric

1360	Thread
660502ABF	1/8"
660504ABF	1/4"
660510ABF	M10
660512ABF	M12
660514ABF	M14
660516ABF	M16
660522ABF	M22
660526ABF	M26

## Elbow



### Female Thread, Metric

1360	Thread
615500ABF	M16

## 45° Elbow



### Female Thread, Metric

1360	Thread
645500ABF	M16

## Elbow Joiners



### Tube

1360	Tube OD mm
815200ABF	6
815300ABF	8
815400ABF	10
815500ABF	12

## Tee



### Female Thread, Metric

1360	Thread
635500ABF	3 x M16

## Side Tee



### Female Thread, Metric

1360	Thread
625500ABF	2 x M16

## Cross




### Female Thread, Metric

1360	Tube OD mm
646500ABF	3 x M16



# AUTOMOTIVE TUBING & HOSE

## Airbrake Tubing DIN 74324

 Working Temperature:  
-20°C to +70°C

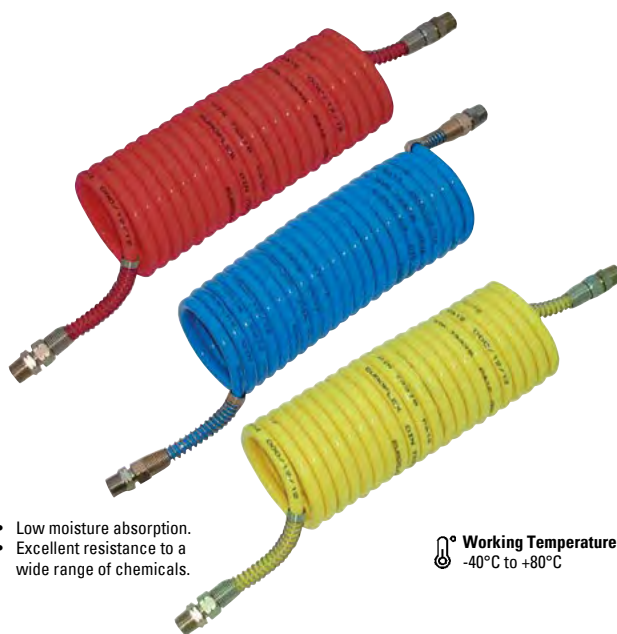


- Manufactured from heat and light stabilised polyamide. This tube has excellent low density, low water absorption, physical properties and dimensions relatively constant even during humidity changes.
- Other colours available on request, minimum order of 20 x 30 metre coils.

### 30 Metre Coils

5040	OD mm	ID mm	Colour	Max Pressure Bar
AB4230	4	2	Black	45
AB6430	6	4	Black	27
AB8630	8	6	Black	19
AB10830	10	8	Black	15
AB10730	10	7	Black	19
AB12930	12	9	Black	19
AB161230	16	12	Black	19
AB181430	18	14	Black	17

## Nylon 12 Airbrake Coils, DIN 73378, SAE J 844 Type B



- Low moisture absorption.
- Excellent resistance to a wide range of chemicals.

 Working Temperature:  
-40°C to +80°C

### Red, Emergency Line, 1/2" BSPT

0306	ID mm	OD mm	Working Length Metres	Rotation
AB129035R	12	9	3.5	16
AB129050R	12	9	5	22

Tech Sheet 20391

### Blue, Auxiliary Line, 1/2" BSPT

0306	ID mm	OD mm	Working Length Metres	Rotation
AB129035B	12	9	3.5	16
AB129050B	12	9	5	22

Tech Sheet 20391

### Yellow, Service Line, 1/2" BSPT

0306	ID mm	OD mm	Working Length Metres	Rotation
AB129035Y	12	9	3.5	16
AB129050Y	12	9	5	22

Tech Sheet 20391



# MODULAR COOLANT HOSE SYSTEM



## Compatibility:

Suitable for use with acetone, alcohol, ethyl, greases, oils, commercial dish detergents, gasoline, lacquer solvents and sodium hydroxide.

Not for use with chlorine, acids, ammonium hydroxide, bases (strong), hypochlorite ion solutions or sodium hypochlorite.

## Features:

- Unique ball and socket design, fully hand-adjustable in both position and length
- Will not kink or fatigue; bending does not decrease the inside diameter
- Will not damage machine tool cutters if contact occurs, unlike metal hoses
- Electrically non-conductive; ideal for EDM flushing
- No internal positioning rod that can break or restrict fluid flow
- Stays in position; repeated positioning is easy
- Creep due to machine vibration is eliminated

**Material:** Polyoxymethylene (POM).

**Recommended Maximum Line Pressure:** 20-30 psi.

**Recommended Maximum Flow Rate:** 1,800 litres per hour.

**Interchangeable with:** Loc-Line.

**Maximum Operating Temperature:** +76°C

Repeated exposure to this temperature will cause fatigue.

## 1/4" Series



### Round Nozzles

0518	Nozzle Hole Size
28015	1/16"
28016	1/8"
28017	1/4"

Tech Sheet 68071



### Flat Nozzle

0518	Nozzle Hole Size
28027	Size 60

Tech Sheet 68071



### Swivel Nozzle

0518	Nozzle Hole Size
28029	Size 40

Tech Sheet 68071



### 90° Round Nozzles

0518	Nozzle Hole Size
28019	1/16"
28020	1/8"
28021	1/4"

Tech Sheet 68071



### Flare Nozzle

0518	Nozzle Hole Size
28028	1"

Tech Sheet 68071



### Male Connectors, NPT

0518	Thread
28032	1/8"
28033	1/4"

Tech Sheet 68071



### 90° Spray Bar Nozzle

0518	Nozzle Hole Size
28022	Size 60

Tech Sheet 68071

# MODULAR COOLANT HOSE SYSTEM



**Compatibility:**

Suitable for use with acetone, alcohol, ethyl, greases, oils, commercial dish detergents, gasoline, lacquer solvents and sodium hydroxide. Not for use with chlorine, acids, ammonium hydroxide, bases (strong), hypochlorite ion solutions or sodium hypochlorite.

**Material:** Polyoxymethylene (POM).

**Recommended Maximum Line Pressure:** 20-30 psi.

**Recommended Maximum Flow Rate:** 1,800 litres per hour.

**Interchangeable with:** Loc-Line.

**Maximum Operating Temperature:** +76°C  
Repeated exposure to this temperature will cause fatigue.



## 1/4" Series



**Y Connector**

0518  
28034  
Tech Sheet 68071



**90° Elbow Connector**

0518  
28035  
Tech Sheet 68071



**Valve, In-line**

0518  
28043  
Tech Sheet 68071



**T Connector**

0518  
28036  
Tech Sheet 68071



**Valve, Tube x Male, NPT**

0518 Thread  
28049 1/4"  
Tech Sheet 68071



**Check Valve, In-line**

0518  
28051  
Tech Sheet 68071



**End Cap**

0518  
28038  
Tech Sheet 68071



**Valve, Tube x Female, NPT**

0518 Thread  
28050 1/4"  
Tech Sheet 68071



# MODULAR COOLANT HOSE SYSTEM



## Compatibility:

Suitable for use with acetone, alcohol, ethyl, greases, oils, commercial dish detergents, gasoline, lacquer solvents and sodium hydroxide.  
Not for use with chlorine, acids, ammonium hydroxide, bases (strong), hypochlorite ion solutions or sodium hypochlorite.

**Material:** Polyoxymethylene (POM).

**Recommended Maximum Line Pressure:**  
20-30 psi.

**Recommended Maximum Flow Rate:**  
1,800 litres per hour.

**Interchangeable with:** Loc-Line.

**Maximum Operating Temperature:** +76°C

Repeated exposure to this temperature will cause fatigue.

## 1/4" Series



### Extended Element

0518	Length mm
28011	90
Tech Sheet 68071	



### Hose Only Kit

0518	Quantity	Length mm
XS2001	4	150
Tech Sheet 68071		



### Hose Assembly Pliers

0518	
28008	
Tech Sheet 68071	

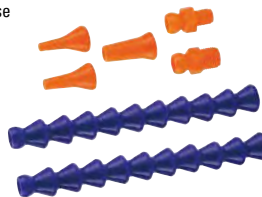


### Extended Element Clamp

0518	
28042	
Tech Sheet 68071	

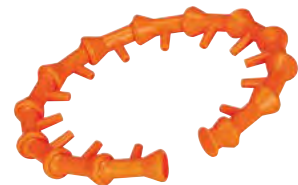
## Contents:

- 1 x 1/8" NPT male connector
- 1 x 1/4" NPT female connector
- 1 x 1/16", 1/8" and 1/4" round nozzles
- 280mm hose



### Hose Kit

0518	
28003	
Tech Sheet 68071	



### Circle Flow Nozzle Kit

0518	ID mm	Length mm
28013	92	446
Tech Sheet 68071		

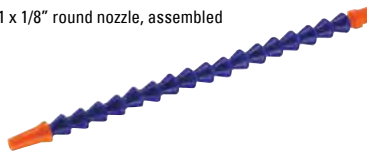


### Hose Coil

0518	Length Metres
28012	15.24
Tech Sheet 68071	

## Contents:

- 1 x 1/4" NPT connector
- 1 x 1/8" round nozzle, assembled



### Hose Kit Assembly

0518	Length mm
28002	300
Tech Sheet 68071	



Cleaning Lubricating Protecting

For **Cleaning & Lubrication Sprays & Wipes**  
see **Section 15**



# MODULAR COOLANT HOSE SYSTEM



**Compatibility:**

Suitable for use with acetone, alcohol, ethyl, greases, oils, commercial dish detergents, gasoline, lacquer solvents and sodium hydroxide. Not for use with chlorine, acids, ammonium hydroxide, bases (strong), hypochlorite ion solutions or sodium hypochlorite.

**Material:** Polyoxymethylene (POM).

**Recommended Maximum Line Pressure:** 30 psi

**Recommended Maximum Flow Rate:** 2,150 litres per hour.

**Interchangeable with:** Loc-Line.

**Maximum Operating Temperature:** +76°C

Repeated exposure to this temperature will cause fatigue.

## 1/2" Series



**Round Nozzles**

0518	Nozzle Hole Size
48013	1/4"
48014	3/8"
48015	1/2"

Tech Sheet 68071



**Flare Nozzles**

0518	Nozzle Hole Size
48026	1.1/4"
48027	2.1/2"

Tech Sheet 68071



**Male Connectors, NPT**

0518	Thread
48030	3/8"
48031	1/2"

Tech Sheet 68071



**Flat Nozzle**

0518	Nozzle Hole Size
48024	Size 80

Tech Sheet 68071



**Flat Holed Nozzles**

0518	Nozzle
48022	5 Holes
48023	7 Holes

Tech Sheet 68071



**Y Connector**

0518	
48032	

Tech Sheet 68071



For Reinforced PVC Braided Hose see Section 7



**90° Elbow Connector**

0518	
48034	

Tech Sheet 68071



# MODULAR COOLANT HOSE SYSTEM



## Compatibility:

Suitable for use with acetone, alcohol, ethyl, greases, oils, commercial dish detergents, gasoline, lacquer solvents and sodium hydroxide.

Not for use with chlorine, acids, ammonium hydroxide, bases (strong), hypochlorite ion solutions or sodium hypochlorite.

**Material:** Polyoxymethylene (POM).

**Recommended Maximum Line Pressure:**  
30 psi

**Recommended Maximum Flow Rate:**  
2,150 litres per hour.

**Interchangeable with:** Loc-Line.

**Maximum Operating Temperature:**  
+76°C

Repeated exposure to this temperature will cause fatigue.

## 1/2" Series



### Valve, Tube x Male, NPT

0518	Thread
48041	1/2"
Tech Sheet 68071	

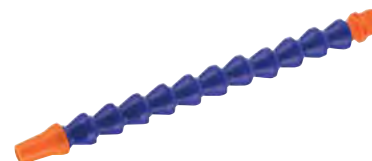


### Hose Only Kit

0518	Quantity	Length mm
XS4001	4	150
Tech Sheet 68071		

### Contents:

- 1 x 1/2" NPT connector
- 1 x 3/8" round nozzle, assembled



### Hose Kit Assembly

0518	Length mm
48002	300
Tech Sheet 68071	



### Valve, Tube x Female, NPT

0518	Thread
48042	1/2"
Tech Sheet 68071	



### Hose Coil

0518	Length Metres
48010	15.24
Tech Sheet 68071	



### Hose Assembly Pliers

0518	
48006	
Tech Sheet 68071	

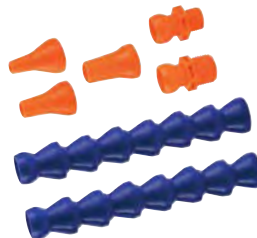


### Valve, In-line

0518	
48043	
Tech Sheet 68071	

### Contents:

- 1 x 3/8" NPT male connector
- 1 x 1/2" NPT female connector
- 1 x 1/4", 3/8" and 1/2" round nozzles
- 280mm hose



### Hose Kit

0518	
48003	
Tech Sheet 68071	



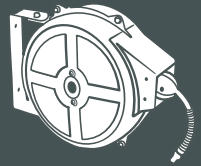
### Extended Element Kit

0518	
48008	
Tech Sheet 68071	



# SECTION 7

## Hose & Tubing



- Braided PVC Hose
- Water Hoses
- Polyurethane Tube
- Polyurethane Recoil Hoses
- Nylon Tube
- Nylon Recoil Hoses
- Specialist Hose & Tube
- Automotive Hose & Tube
- Over Braid Hose
- Gas Hoses
- Compressed Air Hose Assemblies
- Layflat Hoses
- Jaymac Suction Hoses
- Hozelock Tricoflex
- Industrial Hoses
- Industrial PUR Ducting
- Norres Industrial Hose & Ducting
- Masterflex Industrial Hose & Ducting
- Fire Hose & Couplings
- Fire Hose Reels
- G.P Hose Reels
- Jamec Pem Hose Reels
- Redashe Hose Reels
- Conah Hose Reels
- Nederman Hose Reels



Air Brake Recoil Hoses	445	Legris Crystal Polyurethane Tubing	442
Air Brake Tube & Hose	445	LLDPE Tube	441
Air Hose & Assemblies	453-457	Marine Hose	473-474
Anti-static Hose	478	Masterflex Ducting & Hose	489
Anti-static Suction & Delivery Hose	485	Multipurpose Hose	475
Braided PVC Hose	423-427	Nederman Hose Reels	508-510
Braided PVC Hose, Food Grade	425	Norres Ducting	481-488
Brewers Delivery Hose	476	Nylon 12 Metric Tubing	436
Clamps for Ducting & Hose	488	Nylon 12 Recoil Air Hose	435-438
Conah Hose Reels	502-507	Nylon 6 Imperial Tubing	435
Contractors Hose	472	Nylon 6 Metric Tubing	434
Coolant Hoses	446-447	Nylon Tubing, Food Grade	439
Copely PVC Braided Hose	424	Overbraided Hose	448-449
Coplexel Lightweight PVC Hose	426	Overbraided Hose Fittings	448-449
Dairy Steam Hose	444	Petrol Hose	446
Diesel Hose	446	PFA Tubing	443
Eaton Synflex Tube	441	Polyurethane Anti-spatter Recoil Hose	440
FEP Tubing	443	Polyurethane Anti-spatter Tube	440
Fire Hose	490-492	Polyurethane Ester Metric Tube	429
Food Grade PUR Ducting	483-484	Polyurethane Ether Metric Tube	430
Fuel Hose	446	Polyurethane Tube	433
Gas Hoses	450-451	PTFE Tubing	443
G.P Hose Reels	493-494	PVC Hose, Braided	423-427
Heater Hose	446	Radiator Hose	446
High Temperature Ducting	487	Recoil Air Hose Polyurethane	430-433
Hi-Vis RPVC Hose	427	Redashe Hose Reels	496-501
Industrial Hoses	473-477	Silicone Tubing	443
Industrial PUR Ducting	479-482	Steam Hose	476
Industrial PVC Ducting	486	Suction Hose	464-470
Industrial Vacuum Hoses	487	Suction Hose Assemblies	463
Jamec Pem Hose Reels	495	Synflex Tube	441
John Guest LLDPE Tube	441	Tiger Tail Hose	444
Kelm Polyurethane Ester Metric Tube	429	Tricoflex Hose	471
Kelm Polyurethane Ether Metric Tube	430	Tube & Hose Cutters	440
Layflat Hose	458-460	Wash Down Hose	444
Layflat Hose Assemblies	461-462	Water Hose	427-428
LDP Low Density Tubing	443	Water Vending Hose	444
Legris Anti-static Tubing	442	Welding Hoses	451

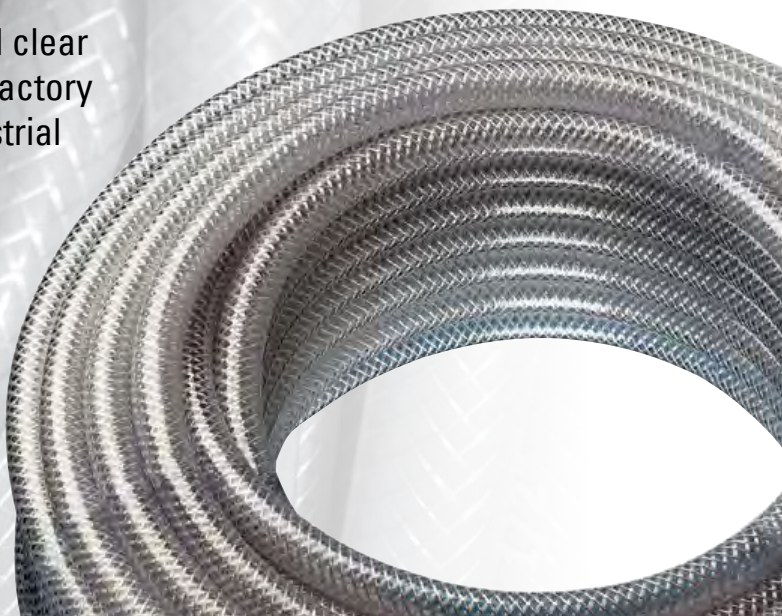


# Braided PVC Hose

## Reinforced PVC Braided Hose, Type RPVC & HDPVC (to BS6066)

Manufactured from top quality crystal clear 'virgin' PVC compound, and ideal for factory airlines, fluid systems and many industrial applications. Reinforced with a high tensile quality polyester yarn, it offers high working pressures and extreme flexibility.

The hose is resistant to a wide range of chemicals (please consult our Business Development Team for further details).







# Braided PVC Hose

## Reinforced PVC Braided Hose, Type RPVC & HDPVC (to BS6066)



### Characteristics:

- Excellent abrasion resistance
- High resistance to alkalis and acids
- Silicone free
- Cadmium free
- Low toxicity
- Excellent transparency
- Manufactured to comply with BS6066 and ISO5774
- Produced from FDA approved materials
- Durable, anti-cold proof, non-inflated
- Highly flexible, lightweight and easy to handle
- No fissure phenomenon by ultraviolet rays and direct rays of the sun
- Little expansion or contraction

### Applications:

- Water supply and draining
- Transfer of various fluids and powder
- Supplying water, gas, oil, etc. in agriculture and industry
- Compressed air
- Other special purposes

<b>Length*</b>	15m	30m	100m
<b>Size</b>	From 3/16" ID to 2" ID		
<b>Temperature</b>	Min -20°C		Max +65°C

\*Other lengths available on request.

# BRAIDED PVC HOSE



## Reinforced PVC Braided Hose, Type RPVC (to BS6066)



### Medium-duty, 30 Metre Coils

5000	ID mm	ID	OD mm	Colour	Max Pressure Bar
RPVC316	5	3/16"	10	Transparent	13
RPVC316N	5	3/16"	10	Black	13
RPVC14	6	1/4"	11	Transparent	15
RPVC14N	6	1/4"	11	Black	15
RPVC14R	6	1/4"	11	Red	15
RPVC14B	6	1/4"	11	Blue	15
RPVC14G	6	1/4"	11	Green	15
RPVC14Y	6	1/4"	11	Yellow	15
RPVC516	8	5/16"	13	Transparent	15
RPVC516N	8	5/16"	13	Black	15
RPVC516R	8	5/16"	13	Red	15
RPVC516B	8	5/16"	13	Blue	15
RPVC516G	8	5/16"	13	Green	15
RPVC38	10	3/8"	15	Transparent	12
RPVC38N	10	3/8"	15	Black	12
RPVC38R	10	3/8"	15	Red	12
RPVC38B	10	3/8"	15	Blue	12
RPVC38G	10	3/8"	15	Green	12
RPVC38Y	10	3/8"	15	Yellow	12
RPVC12	13	1/2"	18	Transparent	12
RPVC12N	13	1/2"	18	Black	12
RPVC12R	13	1/2"	18	Red	12
RPVC12B	13	1/2"	18	Blue	12
RPVC12G	13	1/2"	18	Green	12
RPVC12Y	13	1/2"	18	Yellow	12
RPVC58	16	5/8"	21	Transparent	10
RPVC58N	16	5/8"	21	Black	10
RPVC34	19	3/4"	25	Transparent	10
RPVC34N	19	3/4"	25	Black	10
RPVC34R	19	3/4"	25	Red	10
RPVC34B	19	3/4"	25	Blue	10
RPVC1	25	1"	31	Transparent	9
RPVC1N	25	1"	31	Black	9
RPVC114	32	1.1/4"	40	Transparent	6
RPVC112	38	1.1/2"	42	Transparent	6
RPVC2	50	2"	60	Transparent	3

Tech Sheet 1884

### Medium-duty, 15 Metre Coils

5000	ID mm	ID	OD mm	Colour	Max Pressure Bar
RPVC12-15	13	1/2"	18	Transparent	12
RPVC34-15	19	3/4"	25	Transparent	10
RPVC114-15	32	1.1/4"	40	Transparent	6
RPVC112-15	38	1.1/2"	42	Transparent	6
RPVC2-15	50	2"	60	Transparent	3

Tech Sheet 1884



You might also need **Brass Hose Tails** see **Section 2**

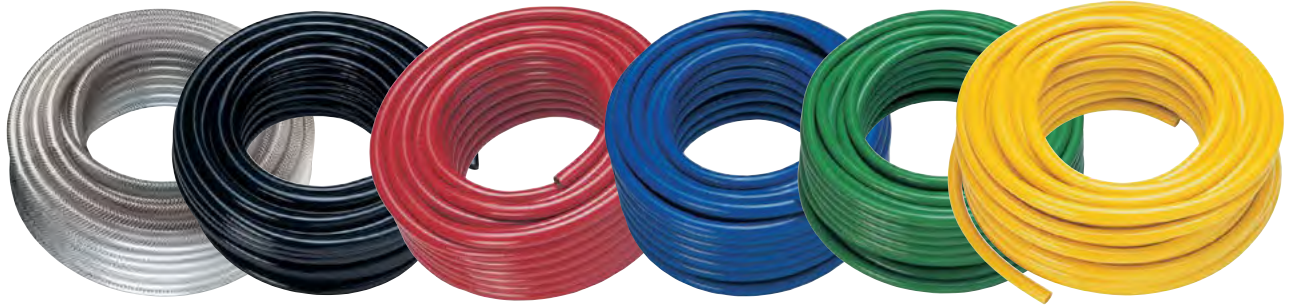
### Clips & Clamps



...see **Section 8**



## Reinforced PVC Braided Hose, Type RPVC (to BS6066)



### Medium-duty, 100 Metre Coils

5000	ID mm	ID	OD mm	Colour	Max Pressure Bar
RPVC14-100	6	1/4"	11	Transparent	15
RPVC14N-100	6	1/4"	11	Black	15
RPVC14R-100	6	1/4"	11	Red	15
RPVC14B-100	6	1/4"	11	Blue	15
RPVC14G-100	6	1/4"	11	Green	15
RPVC14Y-100	6	1/4"	11	Yellow	15
RPVC516-100	8	5/16"	13	Transparent	15
RPVC516N-100	8	5/16"	13	Black	15
RPVC516R-100	8	5/16"	13	Red	15
RPVC516B-100	8	5/16"	13	Blue	15
RPVC38-100	10	3/8"	15	Transparent	12
RPVC38N-100	10	3/8"	15	Black	12
RPVC38R-100	10	3/8"	15	Red	12
RPVC38B-100	10	3/8"	15	Blue	12
RPVC38Y-100	10	3/8"	15	Yellow	12
RPVC12-100	13	1/2"	18	Transparent	12
RPVC12N-100	13	1/2"	18	Black	12
RPVC12R-100	13	1/2"	18	Red	12
RPVC12B-100	13	1/2"	18	Blue	12
RPVC12Y-100	13	1/2"	18	Yellow	12
RPVC34-100	19	3/4"	25	Transparent	10
RPVC1-100	25	1"	31	Transparent	9

Tech Sheet 1884

### Heavy-duty, 30 Metre Coils

5000	ID mm	ID	OD mm	Colour	Max Pressure Bar
HDPVC14	6.5	1/4"	11.5	Transparent	16
HDPVC14B	6.5	1/4"	11.5	Blue	16
HDPVC14N	6.5	1/4"	11.5	Black	16
HDPVC14R	6.5	1/4"	11.5	Red	16
HDPVC516	8	5/16"	13.5	Transparent	16
HDPVC516B	8	5/16"	13.5	Blue	16
HDPVC516N	8	5/16"	13.5	Black	16
HDPVC516Y	8	5/16"	13.5	Yellow	16
HDPVC38	10	3/8"	16	Transparent	15
HDPVC38B	10	3/8"	16	Blue	15
HDPVC38N	10	3/8"	16	Black	15
HDPVC38R	10	3/8"	16	Red	15
HDPVC38Y	10	3/8"	16	Yellow	15
HDPVC12	12.5	1/2"	18.5	Transparent	12
HDPVC12B	12.5	1/2"	18.5	Blue	12
HDPVC12N	12.5	1/2"	18.5	Black	12
HDPVC12R	12.5	1/2"	18.5	Red	12
HDPVC12Y	12.5	1/2"	18.5	Yellow	12
HDPVC58	16	5/8"	23	Transparent	10
HDPVC34	20	3/4"	26	Transparent	10
HDPVC34B	20	3/4"	26	Blue	10
HDPVC34N	20	3/4"	26	Black	10
HDPVC1	25	1"	33	Transparent	10
HDPVC114	32	1.1/4"	41	Transparent	6
HDPVC112	40	1.1/2"	49	Transparent	6
HDPVC2	50	2"	62	Transparent	3

Tech Sheet 1884

## Reinforced PVC Braided Hose

### Reinforced PVC Braided Hose, Natural, 30 Metre Coils

5080	ID mm	ID	OD
PVC03	3	1/8"	8
PVC05	5	3/16"	10
PVC06	6.3	1/4"	10.5
PVC08	8	5/16"	12
PVC10	10	3/8"	14
PVC12	12.5	1/2"	17.5
PVC12HD	12	1/2"	18
PVC16	16	5/8"	20.25
PVC19	19	3/4"	24
PVC25	25	1"	31
PVC32	32	1.1/4"	42
PVC38	38	1.1/2"	48
PVC50	50	2"	60







# Food Grade Braided PVC Hose

## BS6066 & ISO5774

This flexible, smooth, corrosion resistant, non-aging, and non-oxidising food grade vinyl plastic tubing is produced from raw materials meeting the FDA approved material requirement.

This braided PVC hose offers the same basic performance as clear PVC hose with more strength and flexibility making it ideal for tight installations where hose flattening and kinking may occur.

Hose is fully tested, certified and carries the food safe logos.

### Applications:

- Food stuffs
- Beers
- Cool fluids
- Oils and gases
- Dry powders and granules

### Available Lengths:

30 and 100 metres

Sizes from: 1/4" to 2"

### Characteristics:

- Excellent abrasion resistance
- Good flexibility
- High resistance to alkalis/acids
- Silicone free
- Cadmium free
- Non toxic
- Excellent transparency
- Manufactured to comply with BS6066 and ISO5774
- Produced with FDA approved materials
- Durable, non-inflated
- High-flexibility, lightweight and easy to handle
- Non fissure phenomenon by ultraviolet rays and direct rays of the sun
- Little expansion or contraction
- Phthalate free

**Hose compliant with European regulation (EU) No. 10/2011**

### Food Certified Reinforced PVC Braided Hose

**° Working Temperature:**  
 -20°C to +65°C



### Heavy-duty, 30 Metre Coils

5004	ID mm	ID	OD mm	Max Pressure Bar
FHD PVC14	6.5	1/4"	11.5	16
FHD PVC516	8	5/16"	13.5	16
FHD PVC38	10	3/8"	16	15
FHD PVC12	12.5	1/2"	18.5	12
FHD PVC34	20	3/4"	26	10
FHD PVC1	25	1"	33	10
FHD PVC114	32	1.1/4"	41	6
FHD PVC112	40	1.1/2"	49	6
FHD PVC2	50	2"	62	3

Tech Sheet 10168

### Heavy-duty, 100 Metre Coils

5004	ID mm	ID	OD mm	Max Pressure Bar
FHD PVC14-100	6.5	1/4"	11.5	16
FHD PVC516-100	8	5/16"	13.5	16
FHD PVC38-100	10	3/8"	16	15
FHD PVC12-100	12.5	1/2"	18.5	12
FHD PVC34-100	20	3/4"	26	10
FHD PVC1-100	25	1"	33	10

Tech Sheet 10168



# Lightweight Flexible Reinforced PVC Hose



- **Lightweight – 30% lighter than standard PVC**
- **Superior kink resistance compared to standard PVC and rubber**
- **Extremely flexible, making it ideal for use with air tools**

 **Working Temperature:**  
-15°C to +60°C

## Flexible Lightweight PVC Hose

### 30 Metre Coils

5080	ID mm	OD mm	Colour	Max Pressure Bar	Max Pressure PSI
<b>FLP-06B</b>	6	10.5	Blue	18	260
<b>FLP-08B</b>	8	12.5	Blue	15	220
<b>FLP-10B</b>	10	14	Blue	13	190
<b>FLP-12B</b>	12	17	Blue	11	160

Tech Sheet 20203

## Coplex - Flexible Lightweight PVC Hose

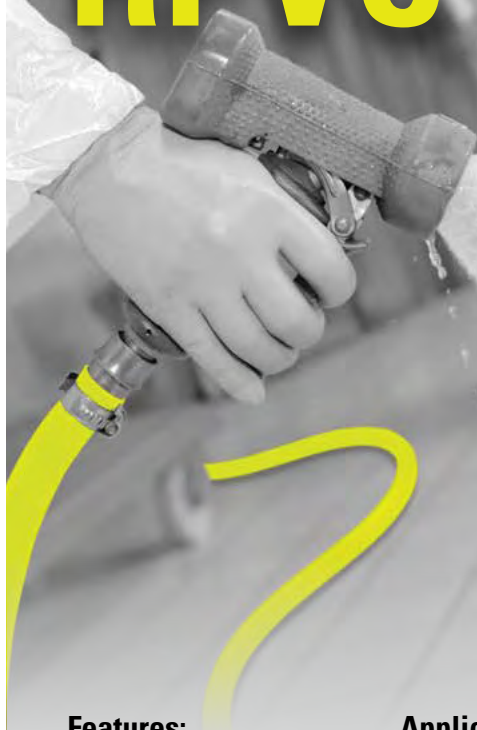
### 30 Metre Coils

5080	ID mm	OD mm	Colour	Max Pressure Bar	Max Pressure PSI
<b>CX06</b>	6	10.5	Translucent	18	260
<b>CX06R</b>	6	10.5	Red	18	260
<b>CX06N</b>	6	10.5	Black	18	260
<b>CX08</b>	8	12.5	Translucent	15	220
<b>CX08R</b>	8	12.5	Red	15	220
<b>CX08N</b>	8	12.5	Black	15	220
<b>CX10</b>	10	14	Translucent	13	190
<b>CX10R</b>	10	14	Red	13	190
<b>CX10N</b>	10	14	Black	13	190
<b>CX12</b>	12	17	Translucent	11	160
<b>CX12R</b>	12	17	Red	11	160
<b>CX12N</b>	12	17	Black	11	160

Tech Sheet 1384



# Hi-Vis Air & Water RPVC Hose



The Hi-Vis properties of this hose are fully compliant with Health & Safety (Chromaticity Luminance) BS EN ISO 5774 and EN471:2003. A must for all professional facilities and applications.

## Features:

- 20 bar rated
- -20°C to +80°C
- Suitable for potable drinking water
- Self-extinguishing
- High visibility
- Flexible PVC
- UV stable
- Multi-use
- White inner, yellow fluorescent outer
- Material softness BSS50/BSS65

## Applications:

- Industrial
- Food
- Wash down
- Garage forecourt
- Workshops
- Vending
- Window cleaning/ high rise
- Festivals and outdoor public events



The components used in production of this hose are compliant with EC and FDA requirements

Applicable Standards BS EN ISO 5774 (plastic hoses, textile-reinforced types for compressed air applications.) Tested in accordance with EN471 : 2003 : Section 5.1.5.1.1 and Table 2 for both chromaticity and luminance.

### Hi-Vis Medium-duty, 30 Metre Coils

0349	ID mm	OD mm	Bend Radius mm	Max Pressure Bar
HVIS06-30	6.3	11.5	28	20
HVIS08-30	8	13.5	34	20
HVIS10-30	10	16	40	20
HVIS12-30	12.5	18.5	55	20

Tech Sheet 10091

### Hi-Vis Medium-duty, 50 Metre Coils

0349	ID mm	OD mm	Bend Radius mm	Max Pressure Bar
HVIS06-50	6.3	11.5	28	20
HVIS08-50	8	13.5	34	20
HVIS10-50	10	16	40	20
HVIS12-50	12.5	18.5	55	20

Tech Sheet 10091

### Hi-Vis Medium-duty, 100 Metre Coils

0349	ID mm	OD mm	Bend Radius mm	Max Pressure Bar
HVIS06-100	6.3	11.5	28	20
HVIS08-100	8	13.5	34	20
HVIS10-100	10	16	40	20
HVIS12-100	12.5	18.5	55	20

Tech Sheet 10091

**Applications:**

- Market gardens
- Truck cleaning
- Glass houses
- Water spraying/sprinklers

**Features:**

- Durable PVC cover
- Abrasion resistant
- Polyester high tensile fibre reinforcement
- 25 metres
- Outstanding kink resistance
- Thick layer structure

**Working Temperature:**  
-15°C to +60°C

**Flexible PVC Water Hose****25 Metre Coils**

5080	ID mm	OD mm	Max Pressure Bar
GH12	12.5	17.5	11
GH19	19	25.5	7
GH25	25	32.5	6

Tech Sheet 20215

**50 Metre Coils**

5080	ID mm	OD mm	Max Pressure Bar
GH12-50	12.5	17.5	11
GH19-50	19	25.5	7
GH25-50	25	32.5	6

Tech Sheet 20215

**100 Metre Coils**

5080	ID mm	OD mm	Max Pressure Bar
GH12-100	12.5	17.5	11
GH19-100	19	25.5	7
GH25-100	25	32.5	6

Tech Sheet 20215

**WATER FLEX****Tricoflex Watering Hose****25 Metre Coils**

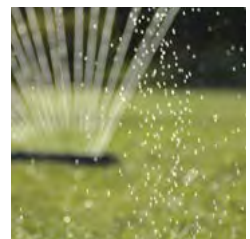
5080	ID mm	Max Pressure Bar
TRICO12	12.5	30
TRICO19	19	23
TRICO25	25	22

Tech Sheet 20215

**100 Metre Coils**

5080	ID mm	Max Pressure Bar
TRICO12-100M	12.5	30
TRICO19-100	19	23
TRICO25-100	25	22

Tech Sheet 20215

**TRICOFLEX****Heavy-duty 4 Layer Agricultural Water Hose**

A high quality 4 layer agricultural hose with excellent flexibility and abrasive qualities enables this hose to be used in various applications:

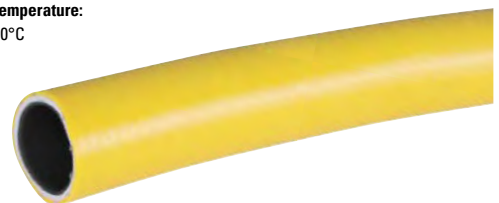
- Agricultural
- Industrial
- Domestic

**Working Temperature:**  
-10°C to +80°C

**50 Metre Coils**

5000	ID	ID mm	OD mm	Pressure Bar	Max Pressure Bar
HDAWH12	1/2"	12.5	17.5	9	50
HDAWH34	3/4"	19	25	8	45

Tech Sheet 20215







## Metric Polyurethane Ester Tube

**Ester based tube is not suitable for use with water or in high humidity environments.**

- Ester based polyurethane tubing has outstanding characteristics compared with other pneumatic tubing. This tube is extremely flexible and offers excellent bend capabilities making it ideal for pneumatic control or robotic systems. It is also resistant to many chemicals, gases and oils as well as having excellent abrasion resistance. Ideal for use with push-in fittings, compression fittings, quick-fit fittings and hose tail fittings.



### Metric, 25 Metre Coils

5030	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
PU03/020B	3	2	Blue	150	10
PU04/025N	4	2.5	Black	190	13
PU04/025B	4	2.5	Blue	190	13
PU04/025R	4	2.5	Red	190	13
PU04/025Y	4	2.5	Yellow	190	13
PU04/025G	4	2.5	Green	190	13
PU04/025	4	2.5	Transparent	190	13
PU05/030N	5	3	Black	160	11
PU05/030B	5	3	Blue	160	11
PU06/040N	6	4	Black	155	11
PU06/040B	6	4	Blue	155	11
PU06/040R	6	4	Red	155	11
PU06/040Y	6	4	Yellow	155	11
PU06/040G	6	4	Green	155	11
PU06/040	6	4	Transparent	155	11
PU08/055N	8	5.5	Black	150	10
PU08/055B	8	5.5	Blue	150	10
PU08/055R	8	5.5	Red	150	10
PU08/055Y	8	5.5	Yellow	150	10
PU08/055G	8	5.5	Green	150	10
PU08/055	8	5.5	Transparent	150	10
PU08/060N	8	6	Black	120	8
PU08/060B	8	6	Blue	120	8
PU08/060R	8	6	Red	120	8
PU08/060Y	8	6	Yellow	120	8
PU08/060G	8	6	Green	120	8
PU08/060	8	6	Transparent	120	8
PU10/065N	10	6.5	Black	125	9
PU10/065B	10	6.5	Blue	125	9
PU10/065R	10	6.5	Red	125	9
PU10/065Y	10	6.5	Yellow	125	9
PU10/065G	10	6.5	Green	125	9
PU10/065	10	6.5	Transparent	125	9
PU10/080N	10	8	Black	120	8
PU10/080B	10	8	Blue	120	8
PU10/080	10	8	Transparent	120	8
PU12/080N	12	8	Black	120	8
PU12/080B	12	8	Blue	120	8
PU12/080R	12	8	Red	120	8
PU12/080Y	12	8	Yellow	120	8
PU12/080G	12	8	Green	120	8
PU12/080	12	8	Transparent	120	8
PU16/110	16	11	Blue	100	7

Tech Sheet 3131

### Metric, 30 Metre Coils

5030	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
PU04/025-30	4	2.5	Transparent	190	13
PU04/025B-30	4	2.5	Blue	190	13
PU06/040-30	6	4	Transparent	155	11
PU06/040B-30	6	4	Blue	155	11
PU08/055-30	8	5.5	Transparent	150	10
PU08/055B-30	8	5.5	Blue	150	10
PU08/060-30	8	6	Transparent	120	8
PU08/060B-30	8	6	Blue	120	8
PU10/065-30	10	6.5	Transparent	125	9
PU10/065B-30	10	6.5	Blue	125	9
PU10/080-30	10	8	Transparent	120	8
PU10/080B-30	10	8	Blue	120	8
PU12/080-30	12	8	Transparent	120	8
PU12/080B-30	12	8	Blue	120	8

Tech Sheet 3131


### Metric, 100 Metre Coils

5030	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
PU04/025N-100	4	2.5	Black	190	13
PU04/025B-100	4	2.5	Blue	190	13
PU04/025R-100	4	2.5	Red	190	13
PU04/025Y-100	4	2.5	Yellow	190	13
PU04/025G-100	4	2.5	Green	190	13
PU04/025-100	4	2.5	Transparent	190	13
PU06/040N-100	6	4	Black	155	11
PU06/040B-100	6	4	Blue	155	11
PU06/040R-100	6	4	Red	155	11
PU06/040Y-100	6	4	Yellow	155	11
PU06/040G-100	6	4	Green	155	11
PU06/040-100	6	4	Transparent	155	11
PU08/055N-100	8	5.5	Black	150	10
PU08/055B-100	8	5.5	Blue	150	10
PU08/055R-100	8	5.5	Red	150	10
PU08/055Y-100	8	5.5	Yellow	150	10
PU08/055G-100	8	5.5	Green	150	10
PU08/055-100	8	5.5	Transparent	150	10
PU08/060N-100	8	6	Black	120	8
PU08/060B-100	8	6	Blue	120	8
PU08/060R-100	8	6	Red	120	8
PU08/060Y-100	8	6	Yellow	120	8
PU08/060G-100	8	6	Green	120	8
PU08/060-100	8	6	Transparent	120	8
PU10/065N-100	10	6.5	Black	125	9
PU10/065B-100	10	6.5	Blue	125	9
PU10/065R-100	10	6.5	Red	125	9
PU10/065Y-100	10	6.5	Yellow	125	9
PU10/065G-100	10	6.5	Green	125	9
PU10/065-100	10	6.5	Transparent	125	9
PU10/080N-100	10	8	Black	120	8
PU10/080B-100	10	8	Blue	120	8
PU10/080-100	10	8	Transparent	120	8
PU12/080N-100	12	8	Black	120	8
PU12/080B-100	12	8	Blue	120	8
PU12/080R-100	12	8	Red	120	8
PU12/080G-100	12	8	Green	120	8
PU12/080-100	12	8	Transparent	120	8

Tech Sheet 3131



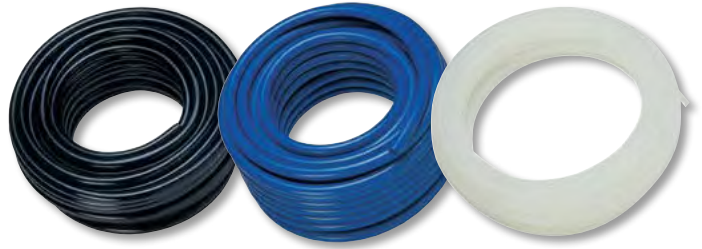
## Metric Polyurethane Ether Tube

 Working Temperature: -40°C to +70°C
 

- Vacuum rating 28" Hg.

**Ether based tube has a greater durability to water and high humidity environments.**

- PUET air line tubing is made from 95A shore durometer, ether-based polyurethane and is an excellent choice for compressed air systems.
- Kink and abrasion resistant.
- Resistant to chemicals, water, fuel and oil.
- Outstanding flexibility and memory.
- Safety factor of 3 to 1



### Metric, 25 Metre Coils

5030	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
PUET04/025N-25	4	2.5	Black	156	11
PUET04/025B-25	4	2.5	Blue	156	11
PUET04/025-25	4	2.5	Transparent	156	11
PUET05/030N-25	5	3	Black	171	12
PUET05/030B-25	5	3	Blue	171	12
PUET05/030-25	5	3	Transparent	171	12
PUET06/040N-25	6	4	Black	142	10
PUET06/040B-25	6	4	Blue	142	10
PUET06/040-25	6	4	Transparent	142	10
PUET08/055N-25	8	5.5	Black	114	8
PUET08/055B-25	8	5.5	Blue	114	8
PUET08/055-25	8	5.5	Transparent	114	8
PUET10/070N-25	10	7	Black	114	8
PUET10/070B-25	10	7	Blue	114	8
PUET10/070-25	10	7	Transparent	114	8
PUET12/080N-25	12	8	Black	128	9
PUET12/080B-25	12	8	Blue	128	9
PUET12/080-25	12	8	Transparent	128	9

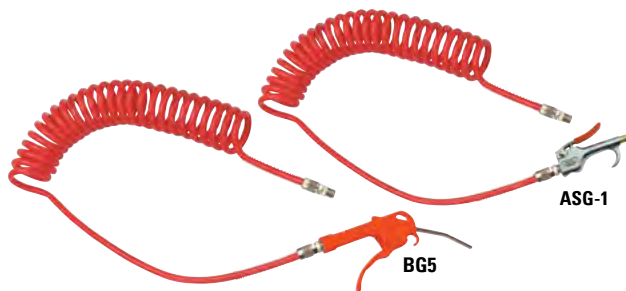
Tech Sheet 3132

### Metric, 100 Metre Coils

5030	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
PUET04/025N-100	4	2.5	Black	156	11
PUET04/025B-100	4	2.5	Blue	156	11
PUET04/025-100	4	2.5	Transparent	156	11
PUET06/040N-100	6	4	Black	142	10
PUET06/040B-100	6	4	Blue	142	10
PUET06/040-100	6	4	Transparent	142	10
PUET08/055N-100	8	5.5	Black	114	8
PUET08/055B-100	8	5.5	Blue	114	8
PUET08/055-100	8	5.5	Transparent	114	8
PUET10/070N-100	10	7	Black	114	8
PUET10/070B-100	10	7	Blue	114	8
PUET10/070-100	10	7	Transparent	114	8
PUET12/080N-100	12	8	Black	128	9
PUET12/080B-100	12	8	Blue	128	9
PUET12/080-100	12	8	Transparent	128	9

Tech Sheet 3132

## Blow Guns & Polyurethane Coil Assemblies, Red



### 1/4" BSPT

5030	OD mm	ID mm	Working Length Metres	Blow Gun Type
2027-3967	6	4	2	ASG-1
2027-3975	6	4	4	ASG-1
2027-4007	6	4	2	BG5
2027-4015	6	4	4	BG5
2027-4023	10	6.5	2	ASG-1
2025-2763	10	6.5	4	ASG-1
2027-4049	10	6.5	6	ASG-1
2027-4056	10	6.5	2	BG5
2027-4064	10	6.5	4	BG5
2027-4072	10	6.5	6	BG5

Tech Sheet 3133



# POLYURETHANE RECOIL HOSES

## Metric Polyurethane Coil Assemblies

Also available in blue and yellow.



### Brass Swivel, BSPT

5030	OD mm	ID mm	Working Length Mtrs	Thread	Colour
2020-1786	6	4	2	1/4"	Yellow
2020-1794	6	4	4	1/4"	Yellow
2196-4200	6	4	6	1/4"	Yellow
2196-4201	6	4	8	1/4"	Yellow
2196-4202	6	4	10	1/4"	Yellow
2196-4203	8	5	2	1/4"	Yellow
2196-4204	8	5	4	1/4"	Yellow
2196-4205	8	5	6	1/4"	Yellow
2196-4206	8	5	8	1/4"	Yellow
2196-4207	8	5	10	1/4"	Yellow
2196-4208	8	5	12	1/4"	Yellow
2020-1802	10	6.5	2	1/4"	Yellow
2020-1810	10	6.5	4	1/4"	Yellow
2020-1828	10	6.5	6	1/4"	Yellow
2020-1836	10	6.5	8	1/4"	Yellow
2196-4209	10	6.5	10	1/4"	Yellow
2196-4210	10	6.5	12	1/4"	Yellow
2020-1844	12	8	2	3/8"	Yellow
2020-1851	12	8	4	3/8"	Yellow
2020-1885	12	8	6	3/8"	Yellow
2020-1893	12	8	8	3/8"	Yellow
2196-4211	12	8	10	3/8"	Yellow
2196-4212	12	8	12	3/8"	Yellow

5030	OD mm	ID mm	Working Length Mtrs	Thread	Colour
2020-1174	6	4	2	1/4"	Red
2020-1281	6	4	4	1/4"	Red
2196-4213	6	4	6	1/4"	Red
2196-4214	6	4	8	1/4"	Red
2196-4215	6	4	10	1/4"	Red
2027-9030	8	5	2	1/4"	Red
2027-9154	8	5	4	1/4"	Red
2027-9204	8	5	6	1/4"	Red
2027-9220	8	5	8	1/4"	Red
2027-9238	8	5	10	1/4"	Red
2027-9246	8	5	12	1/4"	Red
2020-1299	10	6.5	2	1/4"	Red
2020-1307	10	6.5	4	1/4"	Red
2020-1315	10	6.5	6	1/4"	Red
2020-1323	10	6.5	8	1/4"	Red
2027-9279	10	6.5	10	1/4"	Red
2027-9287	10	6.5	12	1/4"	Red
2020-1331	12	8	2	3/8"	Red
2020-1349	12	8	4	3/8"	Red
2020-1356	12	8	6	3/8"	Red
2020-1364	12	8	8	3/8"	Red
2027-9253	12	8	10	3/8"	Red
2027-9261	12	8	12	3/8"	Red

5030	OD mm	ID mm	Working Length Mtrs	Thread	Colour
2020-0812	6	4	2	1/4"	Blue
2020-1042	6	4	4	1/4"	Blue
2196-4216	6	4	6	1/4"	Blue
2196-4217	6	4	8	1/4"	Blue
2196-4218	6	4	10	1/4"	Blue
2196-4219	8	5	2	1/4"	Blue
2196-4220	8	5	4	1/4"	Blue
2196-4221	8	5	6	1/4"	Blue
2196-4222	8	5	8	1/4"	Blue
2196-4223	8	5	10	1/4"	Blue
2196-4224	8	5	12	1/4"	Blue
2020-1067	10	6.5	2	1/4"	Blue
2020-1083	10	6.5	4	1/4"	Blue
2020-1091	10	6.5	6	1/4"	Blue
2020-1117	10	6.5	8	1/4"	Blue
2196-4225	10	6.5	10	1/4"	Blue
2196-4226	10	6.5	12	1/4"	Blue
2020-1125	12	8	2	3/8"	Blue
2020-1133	12	8	4	3/8"	Blue
2020-1141	12	8	6	3/8"	Blue
2020-1158	12	8	8	3/8"	Blue
2196-4227	12	8	10	3/8"	Blue
2196-4228	12	8	12	3/8"	Blue

Tech Sheet 3133



### Brass Nickel Plated Swivel, BSPT with Spring Guards

5030	OD mm	ID mm	Working Length Mtrs	Thread	Colour
2196-4229	6	4	2	1/4"	Yellow
2196-4230	6	4	4	1/4"	Yellow
2196-4231	6	4	6	1/4"	Yellow
2196-4232	6	4	8	1/4"	Yellow
2196-4233	6	4	10	1/4"	Yellow
2196-4234	8	5	2	1/4"	Yellow
2196-4235	8	5	4	1/4"	Yellow
2196-4236	8	5	6	1/4"	Yellow
2196-4237	8	5	8	1/4"	Yellow
2196-4238	8	5	10	1/4"	Yellow
2196-4239	8	5	12	1/4"	Yellow
2196-4240	10	6.5	2	1/4"	Yellow
2196-4241	10	6.5	4	1/4"	Yellow
2196-4242	10	6.5	6	1/4"	Yellow
2196-4243	10	6.5	8	1/4"	Yellow
2196-4244	10	6.5	10	1/4"	Yellow
2196-4245	10	6.5	12	1/4"	Yellow
2196-4246	12	8	2	3/8"	Yellow
2196-4247	12	8	4	3/8"	Yellow
2196-4248	12	8	6	3/8"	Yellow
2196-4249	12	8	8	3/8"	Yellow
2196-4250	12	8	10	3/8"	Yellow
2196-4251	12	8	12	3/8"	Yellow

5030	OD mm	ID mm	Working Length Mtrs	Thread	Colour
2196-4252	6	4	2	1/4"	Red
2196-4253	6	4	4	1/4"	Red
2196-4254	6	4	6	1/4"	Red
2196-4255	6	4	8	1/4"	Red
2196-4256	6	4	10	1/4"	Red
2196-4257	8	5	2	1/4"	Red
2196-4258	8	5	4	1/4"	Red
2196-4259	8	5	6	1/4"	Red
2196-4260	8	5	8	1/4"	Red
2196-4261	8	5	10	1/4"	Red
2196-4262	8	5	12	1/4"	Red
2196-4263	10	6.5	2	1/4"	Red
2196-4264	10	6.5	4	1/4"	Red
2196-4265	10	6.5	6	1/4"	Red
2196-4266	10	6.5	8	1/4"	Red
2196-4267	10	6.5	10	1/4"	Red
2196-4268	10	6.5	12	1/4"	Red
2196-4269	12	8	2	3/8"	Red
2196-4270	12	8	4	3/8"	Red
2196-4271	12	8	6	3/8"	Red
2196-4272	12	8	8	3/8"	Red
2196-4273	12	8	10	3/8"	Red
2196-4274	12	8	12	3/8"	Red

5030	OD mm	ID mm	Working Length Mtrs	Thread	Colour
2196-4275	6	4	2	1/4"	Blue
2196-4276	6	4	4	1/4"	Blue
2196-4277	6	4	6	1/4"	Blue
2196-4278	6	4	8	1/4"	Blue
2196-4279	6	4	10	1/4"	Blue
2196-4280	8	5	2	1/4"	Blue
2196-4281	8	5	4	1/4"	Blue
2196-4282	8	5	6	1/4"	Blue
2196-4283	8	5	8	1/4"	Blue
2196-4284	8	5	10	1/4"	Blue
2196-4285	8	5	12	1/4"	Blue
2196-4286	10	6.5	2	1/4"	Blue
2196-4287	10	6.5	4	1/4"	Blue
2196-4288	10	6.5	6	1/4"	Blue
2196-4289	10	6.5	8	1/4"	Blue
2196-4290	10	6.5	10	1/4"	Blue
2196-4291	10	6.5	12	1/4"	Blue
2196-4292	12	8	2	3/8"	Blue
2196-4293	12	8	4	3/8"	Blue
2196-4294	12	8	6	3/8"	Blue
2196-4295	12	8	8	3/8"	Blue
2196-4296	12	8	10	3/8"	Blue
2196-4297	12	8	12	3/8"	Blue

Tech Sheet 3133





## Swivel Fitting for Polyurethane Tube & Flexi-Braid Polyurethane Braided Hose

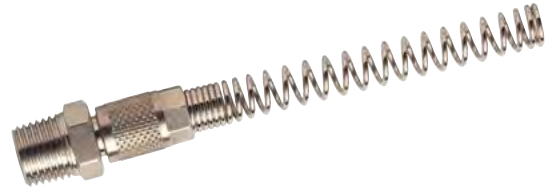
Other fittings can be used with "Flexi-Braid" Hose, such as brass hose-tails (see page 123) stainless steel hose tails (see page 200) or nylon hose tails (see page 188).



### Brass Fitting BSPT

5030	To Suit Tube Size mm	Thread
PF0406-14	4 x 6	1/4"
PF0508-14	5 x 8	1/4"
PF0610-14	6.5 x 10	1/4"
PF0812-14	8 x 12	1/4"
PF0812-38	8 x 12	3/8"

Tech Sheet 20350



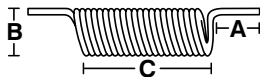
### Brass Fitting BSPT, Nickel Plated with Spring Guards

5030	To Suit Tube Size mm	Thread
PF0406-14-NG	4 x 6	1/4"
PF0508-14-NG	5 x 8	1/4"
PF0610-14-NG	6.5 x 10	1/4"
PF0812-14-NG	8 x 12	1/4"
PF0812-38-NG	8 x 12	3/8"

Tech Sheet 20350

## Polyurethane Coil Hose Type PUC

° Working Temperature:  
-20°C to +75°C



Coil hose polyurethane self-storing hose was developed to eliminate the two most common limitations of nylon self storing hoses; kinking and abrasion resistance. Lightweight yet extremely durable, polyurethane coil hose is ideal for use in tough work areas or highly mobile applications. This extremely flexible material which resists kinking and is impervious to abrasions and oils,

is ideally suited for production line air tools; instrumentation; robotics; and many more industrial applications. The superior elasticity characteristics and very small bend radius make it ideal for use in confined spaces.

Supplied without fittings, but ideal for use with push-in, hose tail or quick-fit fittings.

5030	OD mm	ID mm	Length A mm	Length B mm	Length C mm	Working Length Mtrs	Colour
PUC4/1	4	2.5	80	26	60	1	Black
PUC4/2	4	2.5	80	26	120	2	Black
PUC6/1	6	4	120	37	51	1	Black
PUC6/2	6	4	120	37	120	2	Black
PUC6/3	6	4	120	37	185	3	Black
PUC8/2	8	5	150	47	140	2	Black
PUC8/3	8	5	150	47	210	3	Black
PUC8/5	8	5	150	47	345	5	Black
PUC4/1B	4	2.5	80	26	60	1	Blue
PUC4/2B	4	2.5	80	26	120	2	Blue
PUC6/1B	6	4	120	37	51	1	Blue
PUC6/2B	6	4	120	37	120	2	Blue
PUC6/3B	6	4	120	37	185	3	Blue
PUC8/2B	8	5	150	47	140	2	Blue
PUC8/3B	8	5	150	47	210	3	Blue
PUC8/5B	8	5	150	47	345	5	Blue

Tech Sheet 3134

## Metric Poly Coil Assemblies



### BSPT

5030	OD mm	Working Length Mtrs	Thread
PUC4/1-18	4	1	1/8"
PUC4/1-14	4	1	1/4"
PUC4/2-18	4	2	1/8"
PUC4/2-14	4	2	1/4"
PUC6/1-18	6	1	1/8"
PUC6/1-14	6	1	1/4"
PUC6/2-18	6	2	1/8"
PUC6/2-14	6	2	1/4"
PUC6/3-18	6	3	1/8"
PUC6/3-14	6	3	1/4"
PUC8/2-14	8	2	1/4"
PUC8/2-38	8	2	3/8"
PUC8/3-14	8	3	1/4"
PUC8/5-14	8	5	1/4"

Tech Sheet 3135



## Imperial Polyurethane Tube



### 25 Metre Coils, Black

5030	OD	ID	ID mm
2021-5265	1/8"	1/6"	2
2021-5273	1/4"	1/8"	4
2021-5281	5/16"	3/16"	5
2021-5299	3/8"	1/4"	6.5

### 100 Metre Coils, Black

5030	OD	ID	ID mm
2021-5224	1/8"	1/6"	2
2021-5232	1/4"	1/8"	4
2021-5240	5/16"	3/16"	5
2021-5257	3/8"	1/4"	6.5

## 'Flexi-Braid' Tubing

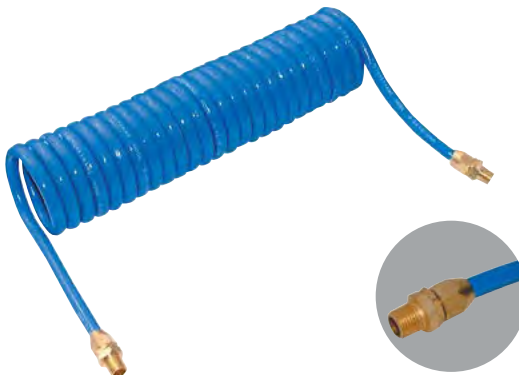
"Flexi-Braid" inner-braided polyurethane hose offers an excellent alternative to much bulkier rubber and plastic hoses. Extremely lightweight and tough, it is ideal for either outdoor contractor use or indoor industrial use. "Flexi-Braid" retains its flexibility even in cold environments. Unlike other hoses that are made up of a separate core, braiding and cover, "Flexi-Braid" is extruded complete as a braided hose.

This integral piece construction eliminates the possibility of having the various layers separate due to constant expansion and contraction during pulsating operations, such as with staple or nail guns.

### Flexi-Braid Advantages:

- Extremely flexible with a lively rubber like feel making it easier to rewind and handle.
- Broad temperature range (-20°C to +80°C) and retains its flexibility even in sub-zero temperatures.
- Highly resistant to lubricating oils and greases that can damage PVC.
- UV stabilised for larger out door service.
- Extremely tough, it is the most abrasion resistant tube available.
- High flexural strength, it withstands the rigors of repeated flexing and tight bends..

## Flexi-Braid Polyurethane Recoils



### 1/4" BSPT Swivel

5030	OD mm	ID mm	Working Length Metres
IBR10-50	10	6.5	5
IBR10-75	10	6.5	7.5
IBR12-50	12	8	5
IBR12-75	12	8	7.5

Tech Sheet 20345

## Polyurethane Food Grade Rubber Compound Hose

Anti-abrasive polyurethane and thermoplastic rubber compound hose with polyester yarn reinforcement and polyurethane liner. For pneumatic tools in general, airbrushes and water based paint sprayers. Also suitable for food applications.

Working Temperature:  
-15°C to +60°C

Maximum Working Pressure:  
20 bar



### Green

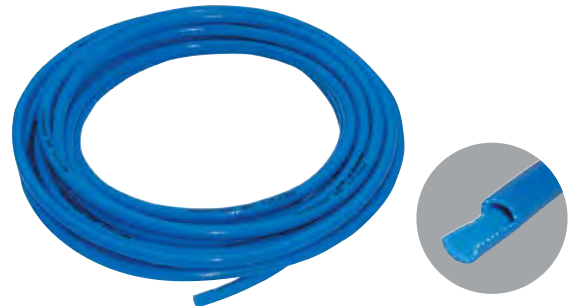
6535	OD mm	ID mm	Length Metres
18121208	12	8	60
18121510	15	10	50
18121913	19	13	30

Tech Sheet 30251

## Flexi-Braid Polyurethane Braided Hose

Working Temperature: -20°C to +80°C

Maximum Working Pressure: 15 bar (200 psi)



### Blue, 25 Metre Coils

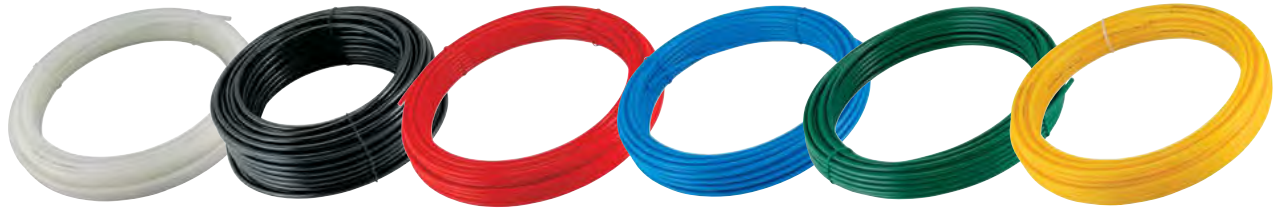
5030	OD mm	ID mm
BPU065/100B	10	6.5
BPU080/120B	12	8
BPU100/145B	14.5	10

Tech Sheet 20346



## Metric Flexible Nylon Tubing, Type NT (to BS5409)

Tube is not suitable for use with water or in high humidity environments.



° Working Temperature:  
-10°C to +80°C

- U.V. stable
- Silicone free
- Abrasion resistant

Manufactured from quality grade nylon granules.  
**Other colours and lengths available on request**

The properties of this tube make it ideal for use in pneumatic control systems. (Ideally suited for use with push-in fittings).

### 30 Metre Coils

5010	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
NTM04/030	4	3	Natural	300	21
NTM04/025	4	2.5	Natural	400	28
NTM04/025N	4	2.5	Black	400	28
NTM04/025B	4	2.5	Blue	400	28
NTM04/025G	4	2.5	Green	400	28
NTM04/025R	4	2.5	Red	400	28
NTM04/025Y	4	2.5	Yellow	400	28
NTM05/030	5	3	Natural	400	28
NTM05/030N	5	3	Black	400	28
NTM05/030B	5	3	Blue	400	28
NTM05/030G	5	3	Green	400	28
NTM05/030R	5	3	Red	400	28
NTM05/030Y	5	3	Yellow	400	28
NTM05/033	5	3.3	Natural	300	21
NTM06/040	6	4	Natural	350	24
NTM06/040N	6	4	Black	350	24
NTM06/040B	6	4	Blue	350	24
NTM06/040G	6	4	Green	350	24
NTM06/040R	6	4	Red	350	24
NTM06/040Y	6	4	Yellow	350	24
NTM06/045	6	4.5	Natural	300	21
NTM08/060	8	6	Natural	350	24
NTM08/060N	8	6	Black	350	24
NTM08/060B	8	6	Blue	350	24
NTM08/060G	8	6	Green	350	24
NTM08/060R	8	6	Red	350	24
NTM08/060Y	8	6	Yellow	350	24
NTM08/055	8	5.5	Natural	350	24

### 30 Metre Coils

5010	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
NTM08/055N	8	5.5	Black	350	24
NTM10/070	10	7	Natural	300	21
NTM10/070N	10	7	Black	300	21
NTM10/070B	10	7	Blue	300	21
NTM10/070G	10	7	Green	300	21
NTM10/070R	10	7	Red	300	21
NTM10/070Y	10	7	Yellow	300	21
NTM10/080	10	8	Natural	220	15
NTM10/080N	10	8	Black	220	15
NTM10/080B	10	8	Blue	220	15
NTM10/080G	10	8	Green	220	15
NTM10/080R	10	8	Red	220	15
NTM10/080Y	10	8	Yellow	220	15
NTM12/090	12	9	Natural	250	17
NTM12/090N	12	9	Black	250	17
NTM12/090B	12	9	Blue	250	17
NTM12/090G	12	9	Green	250	17
NTM12/090R	12	9	Red	250	17
NTM12/090Y	12	9	Yellow	250	17
NTM12/100	12	10	Natural	200	14
NTM12/100N	12	10	Black	200	14
NTM12/100R	12	10	Red	200	14
NTM14/110	14	11	Natural	250	17
NTM14/110N	14	11	Black	250	17
NTM15/120	15	12	Natural	200	14
NTM16/130	16	13	Natural	200	14
NTM18/140	18	14	Natural	200	14
NTM22/170	22	17	Natural	180	17

Tech Sheet 3136

### 100 Metre Coils

5010	OD mm	ID mm	Colour	PSI	Max Pressure Bar
NTM04/025-100	4	2.5	Natural	400	27
NTM05/030-100	5	3	Natural	400	27
NTM06/040-100	6	4	Natural	350	24
NTM06/040N-100	6	4	Black	350	24
NTM06/040B-100	6	4	Blue	350	24
NTM06/040G-100	6	4	Green	350	24
NTM06/040R-100	6	4	Red	350	24
NTM06/040Y-100	6	4	Yellow	350	24
NTM08/060-100	8	6	Natural	350	24
NTM08/060N-100	8	6	Black	350	24
NTM08/060B-100	8	6	Blue	350	24
NTM10/080-100	10	8	Natural	220	15
NTM10/080N-100	10	8	Black	220	15
NTM10/080B-100	10	8	Blue	220	15

Tech Sheet 3136

### 500 Metre Drums

5010	OD mm	ID mm	Colour	PSI	Max Pressure Bar
NTM06/040-500	6	4	Natural	350	24
NTM06/040-500B	6	4	Blue	350	24
NTM08/060-500	8	6	Natural	350	24

Tech Sheet 3136

## Nylon & Polyurethane Tube Cutter



3mm-16mm

5010	Colour
KTC-1	Blue

Tech Sheet 3136



For Push-in Fittings  
see **Section 6**

# NYLON TUBING



## Imperial Flexible Nylon Tubing, (to BS5409)

Tube is not suitable for use with water or in high humidity environments.

Standard Coil Length: 30 Metres

(other colours and lengths available on request).

- U.V. stable
- Silicone free

Manufactured from top quality crystal clear "virgin" nylon compound. This hose is ideal for factory airlines, fluid systems and many industrial applications. The hose is resistant to a wide range of chemicals (please consult our Business Development Team for further details).



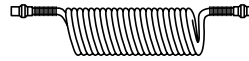
### 30 Metre Coils

5010	OD	ID	Colour	Max Pressure PSI	Max Pressure Bar
NTI18/075	1/8"	0.075	Natural	300	21
NTI532/096	5/32"	0.096	Natural	250	17
NTI316/117	3/16"	0.117	Natural	300	21
NTI316/117N	3/16"	0.117	Black	300	21
NTI14/170	1/4"	0.17	Natural	300	21
NTI14/170B	1/4"	0.17	Blue	300	21
NTI14/170G	1/4"	0.17	Green	300	21
NTI14/170R	1/4"	0.17	Red	300	21
NTI14/170Y	1/4"	0.17	Yellow	300	21
NTI14/170N	1/4"	0.17	Black	300	21
NTI516/212	5/16"	0.212	Natural	250	17
NTI516/212B	5/16"	0.212	Blue	250	17
NTI516/212R	5/16"	0.212	Red	250	17
NTI516/212N	5/16"	0.212	Black	250	17
NTI38/250	3/8"	0.25	Natural	250	17
NTI38/250B	3/8"	0.25	Blue	250	17
NTI38/250G	3/8"	0.25	Green	250	17
NTI38/250R	3/8"	0.25	Red	250	17
NTI38/250Y	3/8"	0.25	Yellow	250	17
NTI38/250N	3/8"	0.25	Black	250	17
NTI12/375	1/2"	0.375	Natural	250	17
NTI12/375B	1/2"	0.375	Blue	250	17
NTI12/375G	1/2"	0.375	Green	250	17
NTI12/375R	1/2"	0.375	Red	250	17
NTI12/375Y	1/2"	0.375	Yellow	250	17
NTI12/375N	1/2"	0.375	Black	250	17
NTI34/594	3/4"	0.594	Natural	200	14
NTI58/500	5/8"	0.5	Natural	200	14
NTI1/813	1"	0.813	Natural	180	12

Tech Sheet 20895

## Nylon 12 Recoil Air Hose, 90° Tails

Maximum Working Pressure:  
12 bar



### Red, Brass Nickel Plated Swivel, BSPT

0306	ID	ID mm	OD	OD mm	Length Feet	Length Metres	Thread
NRH516-12R	1/4"	6	5/16"	8	12	3.6	1/4"
NRH516-25R	1/4"	6	5/16"	8	25	7.6	1/4"
NRH516-40R	1/4"	6	5/16"	8	40	12.2	1/4"
NRH38-12R	5/16"	8	3/8"	10	12	3.6	1/4"
NRH38-25R	5/16"	8	3/8"	10	25	7.6	1/4"
NRH38-40R	5/16"	8	3/8"	10	40	12.2	1/4"
NRH12-12R	3/8"	10	1/2"	13	12	3.6	3/8"
NRH12-25R	3/8"	10	1/2"	13	25	7.6	3/8"
NRH12-40R	3/8"	10	1/2"	13	40	12.2	3/8"

Tech Sheet 20150

### Blue, Brass Nickel Plated Swivel, BSPT

0306	ID	ID mm	OD	OD mm	Length Feet	Length Metres	Thread
NRH516-12B	1/4"	6	5/16"	8	12	3.6	1/4"
NRH516-25B	1/4"	6	5/16"	8	25	7.6	1/4"
NRH516-40B	1/4"	6	5/16"	8	40	12.2	1/4"
NRH38-12B	5/16"	8	3/8"	10	12	3.6	1/4"
NRH38-25B	5/16"	8	3/8"	10	25	7.6	1/4"
NRH38-40B	5/16"	8	3/8"	10	40	12.2	1/4"
NRH12-12B	3/8"	10	1/2"	13	12	3.6	3/8"
NRH12-25B	3/8"	10	1/2"	13	25	7.6	3/8"
NRH12-40B	3/8"	10	1/2"	13	40	12.2	3/8"

Tech Sheet 20150

### Yellow, Brass Nickel Plated Swivel, BSPT

0306	ID	ID mm	OD	OD mm	Length Feet	Length Metres	Thread
NRH516-12Y	1/4"	6	5/16"	8	12	3.6	1/4"
NRH516-25Y	1/4"	6	5/16"	8	25	7.6	1/4"
NRH516-40Y	1/4"	6	5/16"	8	40	12.2	1/4"
NRH38-12Y	5/16"	8	3/8"	10	12	3.6	1/4"
NRH38-25Y	5/16"	8	3/8"	10	25	7.6	1/4"
NRH38-40Y	5/16"	8	3/8"	10	40	12.2	1/4"
NRH12-12Y	3/8"	10	1/2"	13	12	3.6	3/8"
NRH12-25Y	3/8"	10	1/2"	13	25	7.6	3/8"
NRH12-40Y	3/8"	10	1/2"	13	40	12.2	3/8"

Tech Sheet 20150



## Metric Flexible Nylon 12 Tubing (BS5409 & DIN 73378)

Manufactured from extremely high grade nylon granules, this hose gives almost total resistance to abrasion and many more chemicals including dilute acid and alkaline. Very stable in moisture type atmospheres.

The properties of this tube make it ideal for use in pneumatic control systems, fuel lines, lubrication and also within the food, beverage and brewing industry (ideally suited for use with push-in fittings).

High resistance to moisture absorption.

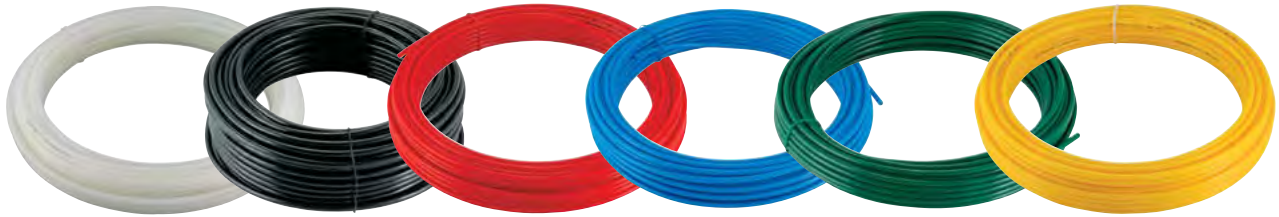
Suitable for use in air brake systems.

Suitable for fuel and lubrication systems. 4 to 1 safety factor.

Working pressure will differ at higher temperatures.

 **Working Temperature:**

-40°C to +80°C



### 30 Metre Coils

0306	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
BNTM03/015	3	1.5	Natural	200	13
BNTM04/2	4	2	Natural	350	24
BNTM04/025	4	2.5	Natural	400	27
BNTM04/025N	4	2.5	Black	400	27
BNTM04/025B	4	2.5	Blue	400	27
BNTM04/025G	4	2.5	Green	400	27
BNTM04/025R	4	2.5	Red	400	27
BNTM05/030	5	3	Natural	400	27
BNTM05/030N	5	3	Black	400	27
BNTM05/030B	5	3	Blue	400	27
BNTM06/030	6	3	Natural	350	24
BNTM06/040	6	4	Natural	350	24
BNTM06/040N	6	4	Black	350	24
BNTM06/040B	6	4	Blue	350	24
BNTM06/040G	6	4	Green	350	24
BNTM06/040R	6	4	Red	350	24
BNTM06/040Y	6	4	Yellow	350	24
BNTM08/060	8	6	Natural	350	24
BNTM08/060N	8	6	Black	350	24
BNTM08/060B	8	6	Blue	350	24
BNTM08/060G	8	6	Green	350	24
BNTM08/060R	8	6	Red	350	24
BNTM08/060Y	8	6	Yellow	350	24
BNTM10/070	10	7	Natural	300	20
BNTM10/070N	10	7	Black	300	20
BNTM10/070B	10	7	Blue	300	20
BNTM10/070R	10	7	Red	300	20
BNTM10/080	10	8	Natural	220	15
BNTM10/080N	10	8	Black	220	15
BNTM10/080B	10	8	Blue	220	15
BNTM10/080R	10	8	Red	220	15
BNTM12/090	12	9	Natural	250	17
BNTM12/090N	12	9	Black	250	17
BNTM12/090B	12	9	Blue	250	17
BNTM12/090R	12	9	Red	250	17
BNTM12/100	12	10	Natural	200	13
BNTM12/100N	12	10	Black	200	13
BNTM14/110	14	11	Natural	250	17
BNTM14/110N	14	11	Black	250	17

Tech Sheet 1386

### 100 Metre Coils

0306	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
BNTM04/025-100	4	2.5	Natural	400	27
BNTM05/030-100	5	3	Natural	400	27
BNTM06/040-100	6	4	Natural	350	24
BNTM06/040N-100	6	4	Black	350	24
BNTM06/040B-100	6	4	Blue	350	24
BNTM06/040G-100	6	4	Green	350	24
BNTM06/040R-100	6	4	Red	350	24
BNTM06/040Y-100	6	4	Yellow	350	24
BNTM08/060-100	8	6	Natural	350	24
BNTM08/060N-100	8	6	Black	350	24
BNTM08/060B-100	8	6	Blue	350	24
BNTM08/060G-100	8	6	Green	350	24
BNTM08/060R-100	8	6	Red	350	24
BNTM08/060Y-100	8	6	Yellow	350	24
BNTM10/080-100	10	8	Natural	220	15
BNTM10/080N-100	10	8	Black	220	15
BNTM10/080B-100	10	8	Blue	220	15
BNTM10/080R-100	10	8	Red	220	15

Tech Sheet 1386

### 500 Metre Drums

0306	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
BNTM06/040-500	6	4	Natural	350	24
BNTM06/040B-500	6	4	Blue	350	24
BNTM08/060-500	8	6	Natural	350	24
BNTM08/060B-500	8	6	Blue	350	24

Tech Sheet 1386



# NYLON RECOIL HOSES



## Nylon 12 Recoil Hose, Equal Tails

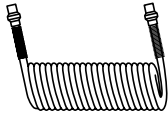
 Working Temperature:  
-40°C to +80°C

- Low moisture absorption.
- Excellent resistance to a wide range of chemicals.
- Safety factor of 3 to 1.

**Applications:**

- Fuel lines.
- Oil lines.
- Petrol tank breather lines.
- Pneumatic lines.
- Bleed lines.
- Brake controls.

**Also available in blue and yellow.**



### BSPT

0306	ID	OD	Working Length Metres	Thread	Colour
NB316182.5MB	1/8"	1/4"	2.5	1/8"	Blue
N12C1417025MR	3/16"	1/4"	2.5	1/4"	Red
N12C1417025MB	3/16"	1/4"	2.5	1/4"	Blue
N12C1417025MY	3/16"	1/4"	2.5	1/4"	Yellow
N12C141705MR	3/16"	1/4"	5	1/4"	Red
N12C141705MB	3/16"	1/4"	5	1/4"	Blue
N12C141705MY	3/16"	1/4"	5	1/4"	Yellow
N12C1417010MR	3/16"	1/4"	10	1/4"	Red
N12C1417010MB	3/16"	1/4"	10	1/4"	Blue
N12C1417010MY	3/16"	1/4"	10	1/4"	Yellow
N12C1417015MR	3/16"	1/4"	15	1/4"	Red
N12C1417015MB	3/16"	1/4"	15	1/4"	Blue
N12C1417015MY	3/16"	1/4"	15	1/4"	Yellow
N12C51623225MR	1/4"	5/16"	2.5	1/4"	Red
N12C51623225MB	1/4"	5/16"	2.5	1/4"	Blue
N12C51623225MY	1/4"	5/16"	2.5	1/4"	Yellow
N12C5162335MR	1/4"	5/16"	5	1/4"	Red
N12C5162335MB	1/4"	5/16"	5	1/4"	Blue
N12C5162335MY	1/4"	5/16"	5	1/4"	Yellow
N12C5162327.5MR	1/4"	5/16"	7.5	1/4"	Red
N12C5162327.5MB	1/4"	5/16"	7.5	1/4"	Blue
N12C5162327.5MY	1/4"	5/16"	7.5	1/4"	Yellow
N12C51623410MR	1/4"	5/16"	10	1/4"	Red
N12C51623410MB	1/4"	5/16"	10	1/4"	Blue
N12C51623410MY	1/4"	5/16"	10	1/4"	Yellow
N12C51623515MR	1/4"	5/16"	15	1/4"	Red
N12C51623515MB	1/4"	5/16"	15	1/4"	Blue

0306	ID	OD	Working Length Metres	Thread	Colour
N12C51623515MY	1/4"	5/16"	15	1/4"	Yellow
N12C3827525MR	5/16"	3/8"	2.5	3/8"	Red
N12C3827525MB	5/16"	3/8"	2.5	3/8"	Blue
N12C3827525MY	5/16"	3/8"	2.5	3/8"	Yellow
N12C382755MR	5/16"	3/8"	5	3/8"	Red
N12C382755MB	5/16"	3/8"	5	3/8"	Blue
N12C382755MY	5/16"	3/8"	5	3/8"	Yellow
N12C382757.5MB	5/16"	3/8"	7.5	3/8"	Blue
N12C3827510MR	5/16"	3/8"	10	3/8"	Red
N12C3827510MB	5/16"	3/8"	10	3/8"	Blue
N12C3827510MY	5/16"	3/8"	10	3/8"	Yellow
N12C3827515MR	5/16"	3/8"	15	3/8"	Red
N12C3827515MB	5/16"	3/8"	15	3/8"	Blue
N12C3827515MY	5/16"	3/8"	15	3/8"	Yellow
N12C1237525MR	3/8"	1/2"	2.5	1/2"	Red
N12C1237525BU	3/8"	1/2"	2.5	1/2"	Blue
N12C1237525MY	3/8"	1/2"	2.5	1/2"	Yellow
N12C123755MR	3/8"	1/2"	5	1/2"	Red
N12C123755MB	3/8"	1/2"	5	1/2"	Blue
N12C123755MY	3/8"	1/2"	5	1/2"	Yellow
N12C123757.5MB	3/8"	1/2"	7.5	1/2"	Blue
N12C1237510MR	3/8"	1/2"	10	1/2"	Red
N12C1237510MB	3/8"	1/2"	10	1/2"	Blue
N12C1237510MY	3/8"	1/2"	10	1/2"	Yellow
N12C1237515MR	3/8"	1/2"	15	1/2"	Red
N12C1237515MB	3/8"	1/2"	15	1/2"	Blue
N12C1237515MY	3/8"	1/2"	15	1/2"	Yellow

Tech Sheet 3137





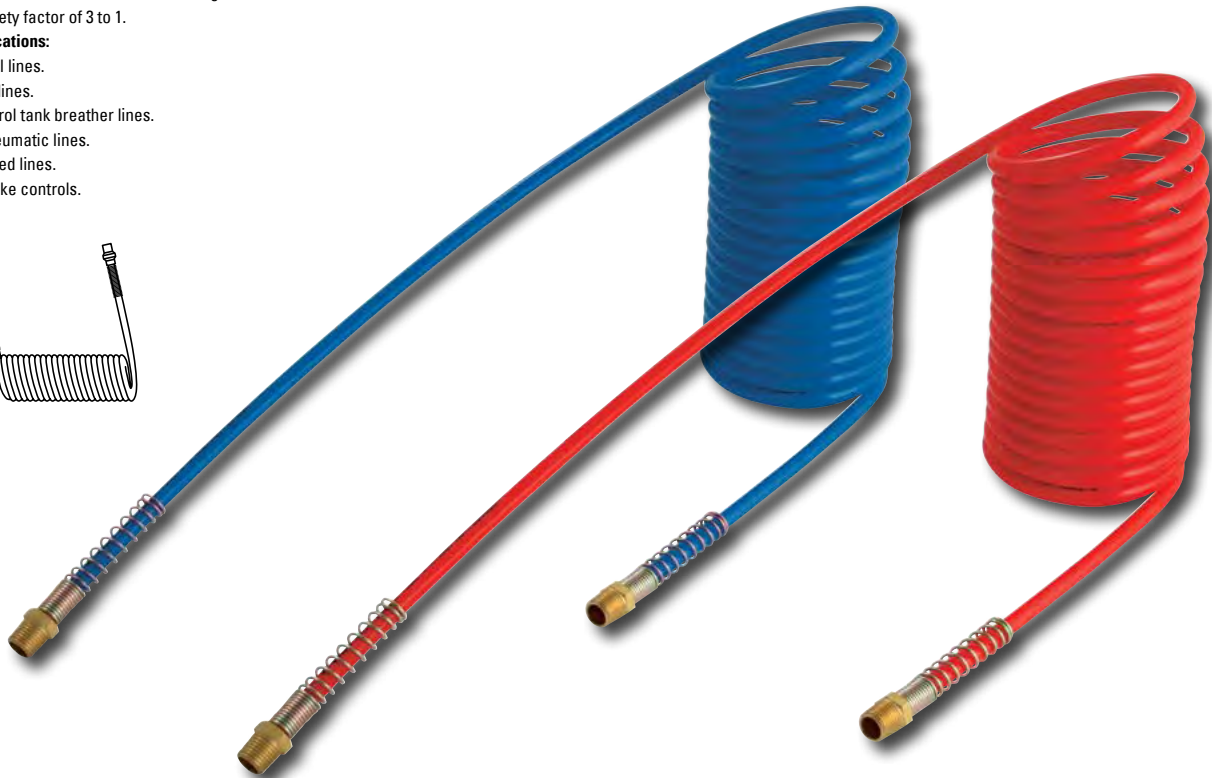
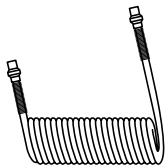
## Nylon 12 Coil Hose with Tails

° Working Temperature:  
-40°C to +80°C

- Low moisture absorption.
- Excellent resistance to a wide range of chemicals.
- Safety factor of 3 to 1.

### Applications:

- Fuel lines.
- Oil lines.
- Petrol tank breather lines.
- Pneumatic lines.
- Bleed lines.
- Brake controls.



### BSPT

0306	ID mm	OD mm	Working Length Metres	Thread	Colour
N12C60402.5MB	4	6	2.5	1/4"	Blue
N12C60405MB	4	6	5	1/4"	Blue
N12C604010MB	4	6	10	1/4"	Blue
N12C604015MB	4	6	15	1/4"	Blue
N12C60402.5MR	4	6	2.5	1/4"	Red
N12C60405MR	4	6	5	1/4"	Red
N12C604010MR	4	6	10	1/4"	Red
N12C604015MR	4	6	15	1/4"	Red
N12C80602.5MB	6	8	2.5	1/4"	Blue
N12C80605MB	6	8	5	1/4"	Blue
N12C806010MB	6	8	10	1/4"	Blue
N12C806015MB	6	8	15	1/4"	Blue
N12C80602.5MR	6	8	2.5	1/4"	Red
N12C80605MR	6	8	5	1/4"	Red
N12C806010MR	6	8	10	1/4"	Red
N12C806015MR	6	8	15	1/4"	Red

0306	ID mm	OD mm	Working Length Metres	Thread	Colour
N12C100802.5MB	8	10	2.5	1/4"	Blue
N12C100805MB	8	10	5	1/4"	Blue
N12C1008010MB	8	10	10	1/4"	Blue
N12C1008015MB	8	10	15	1/4"	Blue
N12C100802.5MR	8	10	2.5	1/4"	Red
N12C100805MR	8	10	5	1/4"	Red
N12C1008010MR	8	10	10	1/4"	Red
N12C1008015MR	8	10	15	1/4"	Red
N12C120902.5MB	9	12	2.5	3/8"	Blue
N12C120905MB	9	12	5	3/8"	Blue
N12C1209010MB	9	12	10	3/8"	Blue
N12C1209015MB	9	12	15	3/8"	Blue
N12C120902.5MR	9	12	2.5	3/8"	Red
N12C120905MR	9	12	5	3/8"	Red
N12C1209010MR	9	12	10	3/8"	Red
N12C1209015MR	9	12	15	3/8"	Red


Tech Sheet 3138



# NYLON TUBING

## Food Grade Semi-rigid Nylon Tubing



 **Working Temperature:**  
 -40°C to +110°C continuous  
 (+140°C intermittent)



### 30 Metre Coils, Imperial

5010	ID	OD	Max Pressure PSI	Max Pressure Bar
SRN18	0.075"	1/8"	967	67
SRN316	0.117"	3/16"	868	60
SRN14	0.170"	1/4"	683	47
SRN516	0.212"	5/16"	684	47
SRN38	0.250"	3/8"	725	50
SRN12	0.375"	1/2"	483	33
SRN58	0.500"	5/8"	363	25

Tech Sheet 67981

### 30 Metre Coils, Metric

5010	ID mm	OD mm	Max Pressure PSI	Max Pressure Bar
SRN4	2.5	4	870	60
SRN5	3	5	967	67
SRN6	4	6	725	50
SRN8	6	8	483	34
SRN10	8	10	363	25
SRN1012	10	12	290	20
SRN15	12	15	363	25

Tech Sheet 67981

# TOTAL

For Tube Cutters  
see Section 14



## Polyurethane Anti-spatter Tube

This PVC/Polyurethane, alloy tubing has been developed by taking 98A durometer polyurethane as the inner tube and jacketing it with a specially formulated flame retardant cover. The jacket protects the tubing from incidental contact with weld spatter. High abrasion resistance. Non-marking cover. Good flexibility over a wide temperature range. Excellent fitting retention at elevated temperatures.

° Temperature Range:  
-40°C to +70°C

Transfer of air and water. Induction welding tubing lines. Injection moulding cooling lines. Transfer of deionised water. Robotic and pneumatic air lines. Automotive assembly lines. Safety factor of 3 to 1.



### Anti-spatter Tube, 50 Metre Coils

0306	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar	Bend Radius mm
S604050MBU	6	4	Blue	159	11	20
S604050MGY	6	4	Grey	159	11	20
S604050MY	6	4	Yellow	159	11	20
S805050MBU	8	5	Blue	188	13	30
S805050MGY	8	5	Grey	188	13	30
S805050MY	8	5	Yellow	188	13	30
S106550MBU	10	6.5	Blue	159	11	35
S106550MGY	10	6.5	Grey	159	11	35
S106550MY	10	6.5	Yellow	159	11	35
S128050MBU	12	8	Blue	145	10	45
S128050MGY	12	8	Grey	145	10	45
S128050MY	12	8	Yellow	145	10	45

Tech Sheet 20343

## Polyurethane Anti-spatter Recoil Hose

° Temperature Range:  
-40°C to +70°C

Safety factor of 3 to 1.



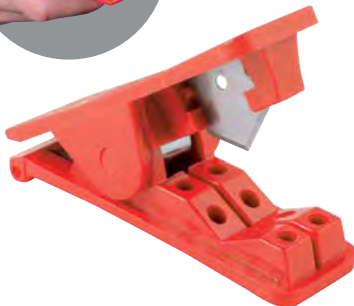
### Blue, Anti-spatter Recoil Hose, 4 Metre Coils, 1/4" BSPT

0306	OD mm	ID mm	Max Pressure PSI	Max Pressure Bar	Bend Radius mm
SC60404MBU	6	4	159	11	15
SC80504MBU	8	5	188	13	20
SC10654MBU	10	6.5	159	10	30

Tech Sheet 20344

# TUBE & HOSE CUTTERS

## Tube Cutter



5100	Colour
PXC058	Red

## Tube/Hose Cutters



5100	To Suit Tube OD mm
LBS-25	3 - 25
LBS-120	6 - 42
LBS-63N	6 - 63

## Tube/Hose Cutters



### Metal

5100	To Suit Tube OD mm
27000216	2 - 12
27000825	4 - 28

### Spare Blades (Per Piece)

5100	To Suit
27010216	27000216
27010825	27000825



# LLDPE & SYNDFLEX TUBE

## Tubing LLDPE



**° Maximum Working Temperature:**  
180°F / 80°C (temperature and pressure variations apply\*)

Strong but flexible, LLDPE tubing is suitable for use with super Speedfit push in fittings and virtually all standard tubing connectors.

The John Guest PE range of plastic tubing is produced in linear low density polyethylene for cold and intermittent hot water applications.

### NOTE:

**LLDPE IS NOT RECOMMENDED FOR HIGH PRESSURE COMPRESSED AIR SYSTEMS 10 bar+, MINERAL OILS, GASES AND FUELS.**

- Other colours available white, green, yellow, orange and violet.  
Minimum order 500m. POA.

### 100 Metre Coils

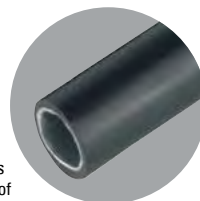
1400	OD mm	ID mm	Colour
PE-04025-0100M-N	4	2.5	Natural
PE-04025-0100M-B	4	2.5	Blue
PE-04025-0100M-E	4	2.5	Black
PE-0604-0100M-N	6	4	Natural
PE-0604-0100M-B	6	4	Blue
PE-0604-0100M-R	6	4	Red
PE-0604-0100M-E	6	4	Black
PE-0806-100M-N	8	6	Natural
PE-0806-100M-B	8	6	Blue
PE-0806-100M-E	8	6	Black
PE-1007-100M-N	10	7	Natural
PE-1007-100M-B	10	7	Blue
PE-1007-100M-R	10	7	Red
PE-1007-100M-E	10	7	Black
PE-1209-100M-B	12	9	Blue
PE-1209-100M-R	12	9	Red
PE-1209-100M-E	12	9	Black

Tech Sheet 2057

## Tubing



Synflex®



**Application:** Synflex 1300 is a unique composite-wall tubing designed for pneumatic instrument control systems. Its fully bonded polyethylene/aluminium construction combines the advantages of both metal and plastic tubing.

**Chemical Resistance:** The outer, high density polyethylene layer is impervious to most chemical-containing atmospheres and enables Synflex 1300 to out perform practically all types of unprotected metal tubing.

### Metric, 25 Metre Coils

5070	OD mm
MAL6-25	6
MAL8-25	8
MAL10-25	10
MAL12-25	12

Tech Sheet 593

### Imperial, 25 Metre Coils

5070	OD
MAL1/4-25-IMP	1/4"

Tech Sheet 593

### Imperial, 75 Metre Coils

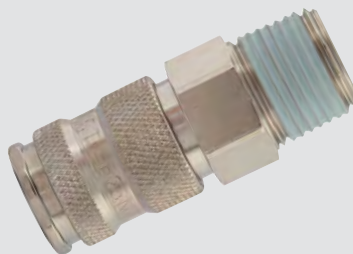
5070	OD
MAL1/4-75-IMP	1/4"
MAL3/8-75-IMP	3/8"
MAL1/2-75-IMP	1/2"

Tech Sheet 593

Customers who bought from this page also purchased...

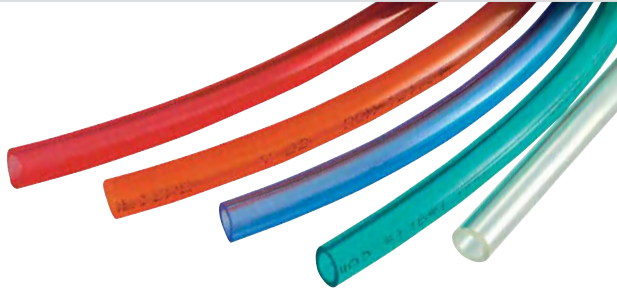


**Pneumatic Quick Release Series 25 Couplings**



...see Section 1

## Crystal Clear Colour Tinted Polyether Polyurethane Tubing



### 25 Metre Rolls, Tinted Close Tolerance Flexible

1014	OD mm	ID mm	Colour
LE-1025U04R12	4	2.5	Green
LE-1025U04R13	4	2.5	Red
LE-1025U04R14	4	2.5	Blue
LE-1025U04R17	4	2.5	Orange
LE-1025U06R12	6	4	Green
LE-1025U06R13	6	4	Red
LE-1025U06R14	6	4	Blue
LE-1025U06R17	6	4	Orange
LE-1025U08R12	8	5.5	Green
LE-1025U08R13	8	5.5	Red
LE-1025U08R14	8	5.5	Blue
LE-1025U08R17	8	5.5	Orange
LE-1025U10R14	10	7	Blue
LE-1025U12R14	12	8	Blue

Tech Sheet 60547

## Anti-static Tubing

- Anti-static polyurethane tubing has a low surface resistance (103 ohms) and is designed to prevent accumulation of electrostatic charges.



### 100 Metre Coils

1012	OD mm	ID mm	Bend Radius mm
LE-1100U03A01	3	1.5	8
LE-1100U06A01	6	4	15
LE-1100U08A01	8	5.5	25
LE-1100U10A01	10	7	35

## Polyether Polyurethane Tubing

The high flexibility of Legris flexible polyurethane tubing allows compact cabling where a small bend radius is required.

Legris flexible polyurethane tubing has a shore hardness 52°C and conforms to NFE 49.101 standard.

**Polyether polyurethane tubing, for excellent resistance to humidity and bacteriological aggressions.**  
Polyester polyurethane available on request.



### 25 Metre Rolls, Close Tolerance Flexible

1014	OD mm	ID mm	Colour	Max Pressure PSI	Max Pressure Bar
LE-1025U04R01	4	2.5	Black	145	10
LE-1025U04R04	4	2.5	Blue	145	10
LE-1025U04R08	4	2.5	Clear	145	10
LE-1025U05R08	5	3	Clear	160	11
LE-1025U06R01	6	4	Black	130	9
LE-1025U06R04	6	4	Blue	130	9
LE-1025U06R08	6	4	Clear	130	9
LE-1025U08R01	8	5.5	Black	116	8
LE-1025U08R04	8	5.5	Blue	116	8
LE-1025U08R08	8	5.5	Clear	116	8
LE-1025U10R01	10	7	Black	116	8
LE-1025U10R04	10	7	Blue	116	8
LE-1025U10R08	10	7	Clear	116	8
LE-1025U12R01	12	8	Black	130	9
LE-1025U12R04	12	8	Blue	130	9
LE-1025U12R08	12	8	Clear	130	9
LE-1025U14R0495	14	9.5	Blue	130	9
LE-1025U14R0895	14	9.5	Clear	130	9

## Stripping Tool

- For use on anti-spark tube.



1012

LE-60007100



## Translucent Silicone Tubing

Translucent silicone tube is non-toxic and biologically inert. It is FDA, BGA, WRC and NWC approved for drug and medical use, and meets European Pharmacopoeia class VI. Outstanding temperature resistance from -60°C to +200°C, it can withstand repeated autoclaving. Excellent chemical resistance (contact technical department for advice).

Not suitable for high pressure applications.

**Working Temperature:**  
-60°C to +200°C



### 10 Metre Coils

5012	OD mm	ID mm	Wall Thickness mm
TST-04/020	2	4	1
TST-06/040	4	6	1
TST-08/050	5	8	1.5
TST-10/080	8	10	1
TST-12/080	8	12	2

## FEP Tubing



### 10 Metre Coils

5012	OD mm
4500400100	6
4500600100	8

Tech Sheet 20216

## PFA Tubing



### 10 Metre Coils

5012	OD mm	OD
4601000100	12	-
4600952159	-	1/2"

Tech Sheet 60553

## PTFE Tubing (Polytetrafluoroethylene)

The unique properties of PTFE are excellent. Enjoying a non-stick/low friction release property and a very wide temperature range, it is virtually inert to all known chemicals and solvents. It exhibits extremely good electrical insulation properties and good weatherability. All these characteristics combined make PTFE the ideal material for innumerable applications.

**Please note:** no recommended burst pressures/working pressures due to hose being unreinforced.



### 10 Metre Coils

5012	ID mm	OD mm	Wall Thickness mm
TPTFE-04/025-10M	2.5	4	0.75
TPTFE-06/040-10M	4	6	1
TPTFE-08/060-10M	6	8	1
TPTFE-10/080-10M	8	10	1
TPTFE-12/010-10M	10	12	1

Tech Sheet 1379

### 30 Metre Coils

5012	ID mm	OD mm	Wall Thickness mm
TPTFE-04/025-30M	2.5	4	0.75
TPTFE-06/040-30M	4	6	1
TPTFE-08/060-30M	6	8	1
TPTFE-10/080-30M	8	10	1
TPTFE-12/010-30M	10	12	1

Tech Sheet 1379

## LDP Low Density Polyethylene Tube



### 30 Metre Coils

5040	ID mm	OD mm	Max Pressure PSI	Max Pressure Bar
LDP04/025	4	2.5	200	13.5
LDP05/030	5	3	200	13.5
LDP06/040	6	4	185	12.5
LDP08/060	8	6	165	11
LDP10/080	10	8	150	10
LDP12/100	12	10	90	6

Customers who bought from this page also purchased...



## Pneumatic Quick Release Series 21 Thermoplastic Couplings



...see Section 1



### Aqua Vend - Water Vending Hose

Reinforced PVC hose. Ideal for the conveyance of potable cold and hot water. Mirror smooth inner layers for improved flow rates. WRC approved material, will not support microbiological growth. Manufactured to BS EN ISO 9002.



#### 10 Metre Coils

5998	ID mm	OD mm	Max Pressure PSI	Max Pressure Bar
AQV-12-10	6.3	12	300	20.5
AQV-16-10	10	16	221	15
AQV-19-10	12.5	19	216	15
AQV-26-10	19	26	191	13
AQV-33-10	25	33	147	10
Tech Sheet 10266				

#### 30 Metre Coils

5998	ID mm	OD mm	Max Pressure PSI	Max Pressure Bar
AQV-12-30	6.3	12	300	20.5
AQV-16-30	10	16	221	15
AQV-19-30	12.5	19	216	15
AQV-26-30	19	26	191	13
Tech Sheet 10266				

### 150 psi Non Marking Wash Down Hose

White smooth rubber cover and white rubber tube with single braid of synthetic cord reinforcement suitable for use with hot water up to 100°C and a maximum operating pressure of 150psi. The non marking cover is animal fat resistant.



#### 50 Metre Coils

5998	ID	OD mm
WDH-1/2-50	1/2"	21

### Dairy Steam Hose, FDA Approved

**Tube:** White EPDM food quality, taste and odour free  
**Reinforcement:** High tensile textile cord  
**Cover:** EPDM blue smooth with cloth impression  
**Application:** Dairy washdown hose, resistant against alcohol and bacteria, FDA approved material

**Working Temperature:**  
-35°C to +170°C

**Maximum Working Pressure:**  
7 bar



#### 40 Metre Coils

0108	ID	ID mm	OD mm	Bend Radius mm
DWH-12	1/2"	13	23	91
DWH-34	3/4"	19	31	133
DWH-1	1"	25	37	175
Tech Sheet 10545				

### Tiger Tail Effluent Hose

**Working Temperature:**  
-40°C to +60°C



#### With Cuffs, 15 Metre Coils

0108	ID	ID mm
TIGERTAIL-51-15	2"	51



# AUTOMOTIVE TUBING & HOSE

## Air Brake Tubing DIN 74324

Working Temperature:  
-20°C to +70°C



- Manufactured from heat and light stabilised polyamide. This tube has excellent low density, low water absorption, physical properties and dimensions relatively constant even during humidity changes.
- Other colours available on request, minimum order of 20 x 30 metre coils.

### 30 Metre Coils

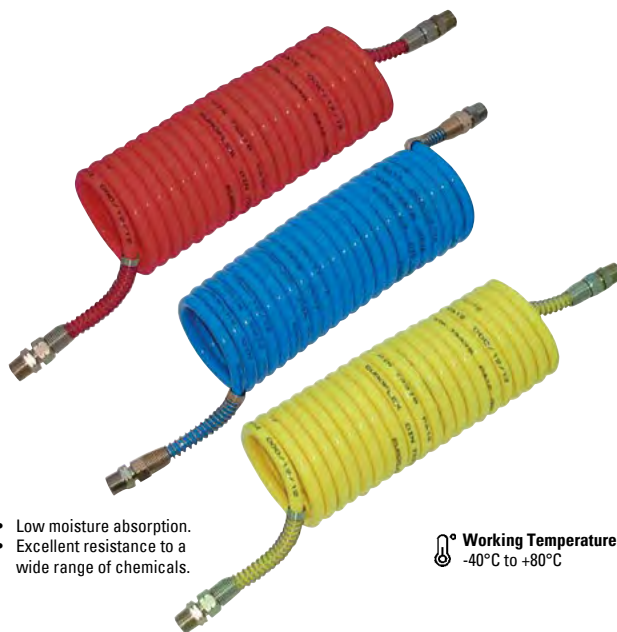
5040	OD mm	ID mm	Colour	Max Pressure Bar
AB4230	4	2	Black	45
AB6430	6	4	Black	27
AB8630	8	6	Black	19
AB10830	10	8	Black	15
AB10730	10	7	Black	19
AB12930	12	9	Black	19
AB161230	16	12	Black	19
AB181430	18	14	Black	17

**SIRIT**  
AIR BRAKE FITTINGS



For Air Brake Fittings  
see Section 6

## Nylon 12 Air Brake Coils, DIN 73378, SAE J 844 Type B



- Low moisture absorption.
- Excellent resistance to a wide range of chemicals.

Working Temperature:  
-40°C to +80°C

### Red, Emergency Line, 1/2" BSPT

0306	ID mm	OD mm	Working Length Metres	Rotation
AB129035R	12	9	3.5	16
AB129050R	12	9	5	22

Tech Sheet 20391

### Blue, Auxiliary Line, 1/2" BSPT

0306	ID mm	OD mm	Working Length Metres	Rotation
AB129035B	12	9	3.5	16
AB129050B	12	9	5	22

Tech Sheet 20391

### Yellow, Service Line, 1/2" BSPT

0306	ID mm	OD mm	Working Length Metres	Rotation
AB129035Y	12	9	3.5	16
AB129050Y	12	9	5	22

Tech Sheet 20391





## Corrugated Radiator Hose

**Lining:** Black heat resistant EPDM rubber.

**Reinforcement:** Synthetic textile fabric, with steel wire helix, embedded between the layers.

**Cover:** Black, heat, weather, ozone resistant EPDM rubber.

**Temperature Range:**  
-40°C to +120°C

**Maximum Working Pressure:** 2 bar



### 1 Metre Lengths

5998	ID	ID mm	OD mm	Max Pressure PSI
CRH-78	7/8"	22	30	30
CRH-1	1"	25	34	30
CRH-118	1.1/8"	28	36	30
CRH-114	1.1/4"	32	41	30
CRH-138	1.3/8"	35	45	30
CRH-112	1.1/2"	38	47	30
CRH-134	1.3/4"	44.5	55	30
CRH-2	2"	51	61	30

## Radiator Hose

**Tube:** Black SBR (anti-freeze) resistant rubber.

**Reinforcement:** Polyester type cord 2 ply.

**Safety Factor:** 3:1

**Cover:** Black SBR heat abrasion and weather resistant.

**Application:** Vehicle radiator hose ethylene glycol (anti-freeze) resistant.

**Temperature Range:**  
-30°C to +100°C

**Maximum Working Pressure:** 3 bar



### 1 Metre Lengths

6000	ID	ID mm	OD mm	Max Pressure PSI
RH-78	7/8"	22	30	45
RH-1	1"	25	34	45
RH-118	1.1/8"	28	36	45
RH-1316	1.3/16"	30	38	45
RH-114	1.1/4"	32	41	45
RH-138	1.3/8"	35	45	45
RH-112	1.1/2"	38	47	45
RH-1916	1.9/16"	40	49	45
RH-158	1.5/8"	42	52	45
RH-134	1.3/4"	45	55	45
RH-178	1.7/8"	48	58	45
RH-2	2"	51	61	45
RH-214	2.1/4"	57	67	45
RH-238	2.3/8"	60	70	45
RH-212	2.1/2"	63	73	45
RH-3	3"	76	86	45
RH-4	4"	102	112	45

## Car Heater Hose SAEJ20R3

**Tube:** Black coolant and heat resistant rubber.

**Reinforcement:** High Strength Polyester yarn 2 Ply.

**Cover:** Abrasion ozone and heat resistant rubber.

**Application:** Automotive O.E.M. and replacement market for under bonnet use.

**Temperature Range:**  
-35°C to +100°C

**Maximum Working Pressure:** 9 bar



### 20 Metre Coils

5998	ID	ID mm	OD mm	Max Pressure PSI
2020-9276	3/8"	9.53	19	132
2020-9284	1/2"	12.5	21	132
2020-9292	5/8"	16	23	132
2020-9300	3/4"	19	27	132
2035-3637	1"	25	36	132

## Cotton Overbraid Fuel Hose DIN 73379 Type B 1983

**Tube:** Black fuel and oil resistant rubber.

**Cover:** Cotton

**Application:** Fuel hose for automotive use (including unleaded)

**Safety Factor:** 3:1

**Temperature Range:**  
-40°C to +85°C Max Peak

**Maximum Working Pressure:**  
145 psi (10 bar)



### 20 Metre Coils

5998	ID mm	OD mm
COF-3.2	3.2	7
COF-3.5	3.5	7.5
COF-4.0	4	9
COF-4.5	4.5	9.5
COF-5.0	5	10
COF-5.5	5.5	10.5
COF-6.0	6	11
COF-7.0	7	12
COF-7.5	7.5	12.5
COF-8.0	8	13
COF-9.0	9	14
COF-10	10	15
COF-12	12	18

Tech Sheet 10267

## Petrol Hose, SAEJ30R6

**Tube:** Black fuel and oil resistant rubber.

**Reinforcement:** Polyester yarn 2 ply.

**Cover:** Black abrasion oil and ozone weather resistant.

**Application:** Delivery of petrol/diesel and petroleum based product. For the replacement automotive market.

**Safety Factor:** 3:1 minimum

**Working Temperature:**  
-30°C to +100°C



### 10 Metre Coils

5998	ID	ID mm	OD mm	Max Pressure PSI
2020-9318	3/16"	5	11	290
2020-9326	1/4"	6	12	290
2020-9334	5/16"	8	14	290
2020-9359	3/8"	10	18	290
2035-3645	1/2"	13	23	290

## Diesel Drop Hose

**Application:** Diesel, air and water delivery up to 20 bar

**Tube:** Oil resistant rubber alloy

**Reinforcement:** Synthetic textile braid

**Cover:** Black weather and ozone resistant with purple stripe

**Safety Factor:** 3-1



### 50 Metre Coils

5998	ID	OD mm
P6320/019	3/4"	28
P6320/025	1"	34

Tech Sheet 10801

## Bio Diesel Hose ISO 1307

**Tube:** Fuel and oil Resistant, smooth NBR rubber.

**Burst Pressure:** 30 bar

**Reinforcement:** High tensile synthetic textile.

**Minimum Bend Radius:**  
8mm-50mm and  
10mm-65mm

**Cover:** Abrasion, ozone, weather and oil resistant special synthetic rubber.

**Weight:** 8mm-145 g/m  
and 10mm 170 g/m

**Application:** Delivery of fuels in internal combustion engines for lubrication and greasing services.

**Cut to Length:**  
Max length 50 metres

**Working Temperature:**  
-35°C to +70°C

**Maximum Working Pressure:** 10 bar



### Cut to Length, Per Metre

6000	ID mm	OD mm
OTR445-10NL-08	8	14
OTR445-10NL-10	10	16





# AUTOMOTIVE TUBING & HOSE


## Radiator Hose


**Tube:** Heat resistant EPDM rubber

**Reinforcement:** High tensile synthetic textile

**Cover:** Heat, aging and weather resistant EPDM based rubber

**Application:** Cooling systems of automotive and stationary engines.

 **Working Temperature:**  
-40°C to +125°C

 **Maximum Working Pressure:** 4 bar



### 90° Bend, 8" Legs

0108	ID mm
RAD-90-10	10
RAD-90-13	13
RAD-90-16	16
RAD-90-19	19
RAD-90-22	22
RAD-90-25	25
RAD-90-28	28
RAD-90-32	32
RAD-90-35	35
RAD-90-38	38
RAD-90-51	51
RAD-90-63	63
RAD-90-76	76


## Bio Diesel Delivery Hose


**Tube:** Flexible smooth oil resistant PVC/NBR compound

**Reinforcement:** Synthetic textile

**Cover:** Black weather and ozone resistant

**Application:** For the transfer of diesel, fuels, water and air in more demanding service environments.

 **Working Temperature:**  
-10°C to +60°C


 **Maximum Working Pressure:** 20 bar



### 50 Metre

0108	ID	ID mm	OD mm
BIODDH-34	3/4"	19	28
BIODDH-1	1"	25	34

## Coolant & Heater Hose (SAE J20 Class A)

 **Working Temperature:**  
-50°C to +170°C

 **Maximum Working Pressure:**  
5 bar

- 3 ply polyester reinforced silicone; colour blue.
- Wall thickness 4.5mm ± 0.5mm.
- Smooth finish inner and outer.
- 1 metre long.



### Straight

0108	ID mm
CHS8	8
CHS95	9.5
CHS11	11
CHS13	13
CHS16	16
CHS19	19
CHS22	22
CHS25	25
CHS28	28
CHS32	32
CHS35	35
CHS38	38
CHS41	41
CHS45	45
CHS48	48
CHS51	51
CHS54	54
CHS57	57
CHS60	60
CHS63	63
CHS70	70
CHS76	76
CHS89	89
CHS102	102

- 3 ply polyester reinforced silicone; colour blue.
- Both leg lengths 102mm unless otherwise stated.
- Wall thickness 4.5mm ± 0.5mm.
- Finish smooth inside, fabric wrapped rubber finish on the outside.



### 45° Angled Elbows

0108	ID mm
CH4513	13
CH4516	16
CH4519	19
CH4522	22
CH4525	25
CH4528	28
CH4532	32
CH4535	35
CH4538	38
CH4541	41
CH4545	45
CH4548	48
CH4551	51
CH4554	54
CH4557	57
CH4560	60
CH4563	63
CH4570	70
CH4576	76

- 3 ply polyester reinforced silicone for 9.5 to 70 bore, 4 ply for 76 bore and above; colour blue.
- Leg length 102mm.
- Wall thickness 3 ply 4.5mm ± 0.5mm. 4 ply 6mm ± 0.5mm.
- Smooth finish inner and outer.



### 90° Elbows Bus & Truck

0108	ID mm
CH9013	13
CH9016	16
CH9019	19
CH9022	22
CH9025	25
CH9028	28
CH9032	32
CH9035	35
CH9038	38
CH9041	41
CH9045	45
CH9048	48
CH9051	51
CH9054	54
CH9057	57
CH9060	60
CH9063	63
CH9070	70
CH9076	76
CH9089	89
CH90102	102



### 135° Elbows

0108	ID mm
CH13513	13
CH13522	22
CH13535	35
CH13538	38
CH13541	41
CH13551	51
CH13554	54
CH13557	57



Due to changed regulations, the supplied fittings may differ from the images shown, brass nickel-plated versions will be phased out and replaced by brass

## EPDM Rubber Hose, 304 Stainless Steel Overbraid

° Working Temperature:  
-20°C to +100°C



30 Metres

5003	ID mm	OD mm	Max Pressure Bar
BX-8	8	12	15
BX-10	10	14	15
BX-13	13	18	15
BX-16	16	22	12
BX-19	19	27	10
BX-25	25	34	10

## Nitrile Rubber Hose, Galvanised Steel Overbraid

° Working Temperature:  
-20°C to +80°C



30 Metres

5003	ID mm	OD mm	Max Pressure Bar
BR-6	6	10	15
BR-8	8	13	15
BR-10	10	15	15
BR-13	13	19	10
BR-16	16	21	10
BR-25	25	32	10

## Straight Hose Tail Fittings, Brass



### Male Thread, BSPT

5003	To Suit Hose ID	Thread
MC1/8-6	6mm (1/4")	1/8"
MC1/4-6	6mm (1/4")	1/4"
MC1/4-8	8mm (5/16")	1/4"
MC3/8-8	8mm (5/16")	3/8"
MC3/8-10	10mm (3/8")	3/8"
MC1/2-10	10mm (3/8")	1/2"
MC3/8-13	13mm (1/2")	3/8"
MC1/2-13	13mm (1/2")	1/2"
MC3/4-13	13mm (1/2")	3/4"
MC1/2-16	16mm (5/8")	1/2"
MC3/4-19	19mm (3/4")	3/4"
MC1-25	25mm (1")	1"
MC11/4-32	32mm (1.1/4")	1.1/4"

Not supplied with washers.  
For washers see page 449



### Female Thread, Flat Faced Seat, BSPP

5003	To Suit Hose ID	Thread
FP3/8-10BX	10mm (3/8")	3/8"
FP1/2-10BX	10mm (3/8")	1/2"
FP3/4-10BX	10mm (3/8")	3/4"
FP3/8-13BX	13mm (1/2")	3/8"
FP1/2-13BX	13mm (1/2")	1/2"
FP3/4-13BX	13mm (1/2")	3/4"
FP3/4-16BX	16mm (5/8")	3/4"
FP3/4-19BX	19mm (3/4")	3/4"
FP1-19BX	19mm (3/4")	1"
FP1-25BX	25mm (1")	1"
FP11/2-40BX	40mm (1.1/2")	1.1/2"

### Female Thread, Coned Seat, BSPP

5003	To Suit Hose ID	Thread
FO1/8-6	6mm (1/4")	1/8"
FO1/4-6	6mm (1/4")	1/4"
FO3/8-6	6mm (1/4")	3/8"
FO1/4-8	8mm (5/16")	1/4"
FO3/8-10	10mm (3/8")	3/8"
FO3/8-13	13mm (1/2")	3/8"
FO1/2-13	13mm (1/2")	1/2"
FO3/4-16	16mm (5/8")	3/4"
FO3/4-19	19mm (3/4")	3/4"
FO11/4-32	32mm (1.1/4")	1.1/4"

### Metric Compression, Brass/Nickel Plated

5003	To Suit Hose ID	OD mm
MB15-10BX	10mm (3/8")	15
MB15-13BX	13mm (1/2")	15
MB22-13BX	13mm (1/2")	22
MB22-19BX	19mm (3/4")	22





# OVER BRAIDED HOSE & FITTINGS



## 90° Elbow Hose Tail Fittings, Brass

Not supplied with washers.



### Female Thread, Flat Face, BSPP

5003	To Suit Hose ID	Thread
FPN1/2-8	8mm (5/16")	1/2"
FPN3/8-10	10mm (3/8")	3/8"
FPN1/2-10	10mm (3/8")	1/2"
FPN3/4-10	10mm (3/8")	3/4"
FPN1/2-13	13mm (1/2")	1/2"
FPN3/4-13	13mm (1/2")	3/4"
FPN3/4-16	16mm (5/8")	3/4"
FPN3/4-19	19mm (3/4")	3/4"



### Female Thread, Coned Seat, BSPP

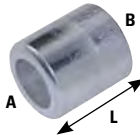
5003	Material	To Suit Hose ID	Thread
FON1/4-6	Steel	6mm (1/4")	1/4"
FON1/4-8	Steel	8mm (5/16")	1/4"
FON3/8-10	Brass	10mm (3/8")	3/8"
FON1/2-13	Brass	13mm (1/2")	1/2"
FON3/4-16	Brass	16mm (5/8")	3/4"
FON3/4-19	Brass	19mm (3/4")	3/4"
FON1-25	Brass	25mm (1")	1"

## Metric Standpipe, Brass/Nickel Plated



5003	To Suit Hose ID	OD mm
HCL8-6	6mm (1/4")	8
HCL10-10	10mm (3/8")	10
HCL12-10	10mm (3/8")	12
HCL15-13	13mm (1/2")	15
HCL22-19	19mm (3/4")	22

## Aluminium Crimping Ferrules



5003	ID mm A	ID mm B	OD mm	Length mm
B12X14	9	12	14	17
B13X15	9	13	15	17
B14X16	9.5	14	16	20
B16X18	12	16	18	20
B18X20	13	18	20	23
B20X22	15	20	22	25
B21X23	15	21	23	26
B23X25	17	23	25	26
B26X28	20	26	28	30
B28X30	19	28	30	30
B33X35	26	33	35	33
B36X38	26	36	38	35
B46X50	37	46.5	50	53
B67X70	52	67	70	56

## Imperial Standpipe, Brass



5003	To Suit Hose ID	OD
E5/16-20	8mm (5/16")	5/16"
E3/8-20	10mm (3/8")	3/8"

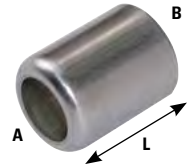
## EDPM Rubber & Fibre Washers



5003	Material	Thread
15-8-2MM	EPDM	3/8"
19-10-2MM	EPDM	1/2"
24-14-2MM	EPDM	3/4"
G12	FIBRE	1/2"
G1	FIBRE	1"
G112	FIBRE	1.1/2"
G2	FIBRE	2"

## Stainless Steel Crimping Ferrules

stainless steel



5003	ID mm A	ID mm B	OD mm	Length mm
B11X12SS	8	11	12	18
B13X14SS	9.3	13	14	18
B18.5X19.5SS	14	18.5	19.5	23
B15X16SS	11	15	16	20
B23X25SS	17	23	25	29
B29X30SS	21	29	30.5	31
B36X38SS	26	36	37.6	36

## Hose Crimper, Manual



5003	OD mm
UPS1	10-22

Tech Sheet 10647





## Orange Propane Hose

Orange smooth pin pricked rubber cover and black rubber tube with a single braid of synthetic cord reinforcement. Conforms to EN5591995.

**Please note:**

For assemblies please contact Technical Sales.

**Working Temperature:**  
-40°C to +90°C

**Maximum Working Pressure:** 20 bar



### 25 Metre Coils

6000	ID	OD mm
GWH-1/4-250	1/4"	14
GWH-5/16-250	5/16"	16
GWH-3/8-250	3/8"	18

### 15 Metre Coils

6000	ID	OD mm
GWH-1/4-15	1/4"	14
GWH-5/16-15	5/16"	16
GWH-3/8-15	3/8"	18

### 10 Metre Coils

6000	ID	OD mm
GWH-1/4-10	1/4"	14
GWH-5/16-10	5/16"	16
GWH-3/8-10	3/8"	18

## Galvanised Overbraid Propane Hose

**Working Temperature:**  
-30°C to +70°C

**Maximum Working Pressure:** 20 bar



### Propane 25 Metre Coils

6000	ID	OD mm
GGWH-1/4-25	1/4"	13.3
GGWH-3/8-25	3/8"	17

## Blue Oxygen/Red Acetylene Twin Hose

**Working Temperature:**  
-35°C to +90°C

**Maximum Working Pressure:** 20 bar



### 50 Metre Coils

6000	ID	OD mm
GWH-1/4-50-TWIN	1/4"	13
GWH-5/16-50-TWIN	5/16"	15
GWH-3/8-50-TWIN	3/8"	17

Tech Sheet 10046

## Gas Welding Hose

Single line oxy-acetylene hose with red or blue smooth rubber cover with black rubber tube. Single braid of synthetic cord reinforcement. Conforms to EN 559 1995.

**Please note:**

For assemblies please contact Technical Sales.

**Working Temperature:**  
-35°C to +90°C

**Maximum Working Pressure:** 20 bar



### Blue Oxygen, 25 Metre Coils

6000	ID	OD mm
GWH-1/4-25B	1/4"	13
GWH-5/16-25B	5/16"	15
GWH-3/8-25B	3/8"	17

### Blue Oxygen, 100 Metre Coils

6000	ID	OD mm
GWH-1/4-100B	1/4"	13
GWH-5/16-100B	5/16"	15
GWH-3/8-100B	3/8"	17

**Working Temperature:**  
-35°C to +90°C

**Maximum Working Pressure:** 20 bar



### Red Acetylene, 25 Metre Coils

6000	ID	OD mm
GWH-1/4-25R	1/4"	13
GWH-5/16-25R	5/16"	15
GWH-3/8-25R	3/8"	17

### Red Acetylene, 100 Metre Coils

6000	ID	OD mm
GWH-1/4-100R	1/4"	13
GWH-5/16-100R	5/16"	15
GWH-3/8-100R	3/8"	17

For...

**AIR-PRO**

## Welding Gauges



...see Section 11

# WELDING HOSE SETS & COUPLINGS



## Oxygen Hose Sets

Swaged hose sets conforming to EN559 Hose and BS6158 check valves. All hoses tested.

Sets consists of two lengths of hose oxygen and acetylene complete with double safety check valve, nuts and tails.



### Acetylene

0085	ID	Length Metres	Check Valve
2050-2217	1/4"	5	1/4" BSPP
2050-2225	1/4"	10	1/4" BSPP
2050-2233	1/4"	15	1/4" BSPP
2050-2241	1/4"	20	1/4" BSPP
2050-2258	1/4"	5	3/8" BSPP
2050-2266	1/4"	10	3/8" BSPP
2050-2274	1/4"	15	3/8" BSPP
2050-2282	1/4"	20	3/8" BSPP
2050-2290	5/16"	5	3/8" BSPP
2050-2308	5/16"	10	3/8" BSPP
2050-2316	5/16"	15	3/8" BSPP
2050-2324	5/16"	20	3/8" BSPP
2050-2332	3/8"	5	3/8" BSPP
2050-2340	3/8"	10	3/8" BSPP
2050-2357	3/8"	15	3/8" BSPP
2050-2365	3/8"	20	3/8" BSPP

Swaged hose sets conforming to EN559 Hose and BS6158 check valve. All hoses tested.

Sets consists of two lengths of hose oxygen and propane complete with double safety check valve, nuts and tails.



### Propane

0085	ID	Length Metres	Check Valve
2050-2373	1/4"	5	1/4" BSPP
2050-2381	1/4"	10	1/4" BSPP
2050-2415	1/4"	5	3/8" BSPP
2050-2506	3/8"	10	3/8" BSPP
2050-2522	3/8"	20	3/8" BSPP

# OXY/ACETYLENE EQUIPMENT

## Oxy/Acetylene Couplings

### Hex Nipples



0121	Description
OEMC14	1/4" BSPP Right Hand
AEMC14	1/4" BSPP Left Hand
OEMC38	3/8" BSPP Right Hand
AEMC38	3/8" BSPP Left Hand
OEMC3814	3/8" x 1/4" BSPP Right Hand
AEMC3814	3/8" x 1/4" BSPP Left Hand

### Tails



0121	Description
OT1414	1/4" Tail for 1/4" Nuts
OT1438	1/4" Tail for 3/8" Nuts
OT516	5/16" Tails
OT38	3/8" Tails

### Double Check Safety Valve



0121	Description
ODSCV3838	3/8" Tail with 3/8" Oxy Nut Right Hand
ADSCV3838	3/8" Tail with 3/8" Acet Nut Left Hand
ODSCV51638	5/16" Tail with 3/8" Oxy Nut Right Hand
ADSCV51638	5/16" Tail with 3/8" Acet Nut Left Hand
ODSCV1438	1/4" Tail with 3/8" Oxy Nut Right Hand
ADSCV1438	1/4" Tail with 3/8" Acet Nut Left Hand
ODSCV1414	1/4" Tail with 1/4" Oxy Nut Right Hand
ADSCV1414	1/4" Tail with 1/4" Acet Nut Left Hand

### Nuts, BSPP



0121	Description
ON14	1/4" Right Hand
AN14	1/4" Left Hand
ON38	3/8" Right Hand
AN38	3/8" Left Hand



## Polyethylene Pipe Insulation

**Thermal Conductivity DIN 52613:**  
0.035W(m.K) at 0°C.

**Fire Rating BS479 Part 5:1979:**  
Class P (not easily ignitable).

High quality CFC easy-fit closed cell pipe insulation. Particularly effective for the thermal insulation of domestic heating and plumbing pipe work for energy conservation and frost protection. Easy to install, none fibrous and creates no dust during installation and is resistant to oils and greases.

 **Working Temperature:**  
-50°C to +100°C



### 9mm Wall Insulation (Semi Split), 2 Metre Lengths

5070	ID mm
POLY15X9	15
POLY22X9	22
POLY28X9	28

### 13mm Wall Insulation (Semi Split), 2 Metre Lengths

5070	ID mm
POLY15X13	15
POLY22X13	22
POLY28X13	28

### 19mm Wall Insulation (Split through 1 Wall Thickness), 2 Metre Lengths

5070	ID mm
POLY15X19	15
POLY22X19	22
POLY28X19	28

### 25mm Wall Insulation (Split through 1 Wall Thickness), 2 Metre Lengths

5070	ID mm
POLY15X25	15
POLY22X25	22
POLY28X25	28

## Copper Tube Reamer



### Internal/External Reamer for Tube

5070	To Suit OD mm
CTR1	3-36

## Automatic Tube Cutters

- Single action automatic tube cutting in tight locations.



5100	To Suit OD mm
88801	15
88802	22
88804	21 3/4" Irish

## Copper Tube Cutters



### Standard Cutter

5100	To Suit OD mm
CTC1	3-28



### Mini Cutter

5100	To Suit OD mm
CTC2	3-16



## Rubber Air Hose Assemblies



### 1/4" Male Thread, BSPT

6000	ID	Length Feet	Length Metres
RUB14-25	1/4"	25	7.6
RUB14-50	1/4"	50	15.2
RUB38-25	3/8"	25	7.6
RUB38-50	3/8"	50	15.2



### 1/4" Male Thread BSPT x Blow Gun

6000	ID	Length Feet	Length Metres	Blow Gun Type
RUB14-25AG	1/4"	25	7.6	ASG-1
RUB14-50AG	1/4"	50	15.2	ASG-1
RUB38-25AG	3/8"	25	7.6	ASG-1
RUB14-25BG5	1/4"	25	7.6	BG5
RUB38-25BG5	3/8"	25	7.6	BG5
RUB38-50BG5	3/8"	50	15.2	BG5
RUB38-25BG718	3/8"	25	7.6	BG718
RUB38-50BG718	3/8"	50	15.2	BG718

## Compressed Air Hoses

Black smooth abrasion resistant rubber cover with black oil mist resistant rubber tube. Single braid of synthetic cord reinforcement conforming to BS5118/1 (300psi W.P.) and to the physical requirements of BS ISO 2398 Type 3 Class A 1995.



**Maximum Working Pressure:**  
20 bar

### 300psi Compressed Air Plant Hose, 100 Metre Coils

5998	ID	ID mm	OD mm
PTL-3/16-100	3/16"	5	13
PTL-1/4-100	1/4"	6	14
PTL-5/16-100	5/16"	8	16
PTL-3/8-100	3/8"	10	18
PTL-1/2-100	1/2"	13	22
PTL-3/4-100	3/4"	19	29

Black wrapped finish abrasion resistant cover with black rubber oil mist resistant tube. Double spiral of synthetic cord reinforcement. Conforms to BS5118/2 (300psi) and to the physical requirements of BS ISO 2398 Type 4 Class A 1995.

### 300psi Black Mandrel Built Compressed Air Hose, 40 Metre Coils

5998	ID	ID mm	OD mm
PTMH-3/4-40	3/4"	19	31
PTMH-1-40	1"	25	37
PTMH-1 1/4-40	1.1/4"	32	44
PTMH-1 1/2-40	1.1/2"	38	52

### 300psi Black Mandrel Built Compressed Air Hose, 15 Metre Coils

5998	ID	ID mm	OD mm
PTMH-3/4-15	3/4"	19	31

## 175psi Rubber Compressed Air Hose

Manufactured to BS5119/1, BS ISO 2398 Type 3, Class A 1995



**Maximum Working Pressure:**  
12 bar

### 25 Metre Coils

6000	ID	ID mm	OD mm
2020-8294	1/4"	6.3	12.5
2020-8369	5/16"	8	16
2020-8377	3/8"	10	17
2020-8385	1/2"	13	22
2044-1028	5/8"	16	27
2044-1036	3/4"	19	30
2044-1044	1"	25	38



# Superior Rubber Alloy Air Hose & Assemblies

The **superior** rubber alloy hose is the result of years of research and development to find the optimum compound used to manufacture a hose with the total feel and capabilities of a rubber hose but without the associated disadvantages.



Hose can be ordered in various lengths.  
Please contact Sales with your application requirements.

## Rubber Alloy Air Hose

### 30 Metre Coils

0410	ID	ID mm	OD mm
SRAH06X	1/4"	6.3	14
SRAH08X	5/16"	8	17
SRAH10X	3/8"	10	19
SRAH13X	1/2"	12.5	23
SRAH19X	3/4"	19	30
SRAH25X	1"	25	37

Tech Sheet 20738

### 100 Metre Coils

0410	ID	ID mm	OD mm
SRAH06X-100	1/4"	6.3	14
SRAH08X-100	5/16"	8	17
SRAH10X-100	3/8"	10	19
SRAH13X-100	1/2"	12.5	23
SRAH19X-100	3/4"	19	30
SRAH25X-100	1"	25	37

Tech Sheet 20738

- **Braided reinforcement:** high tensile polyester braid
- **Highly flexible:** excellent bend radius with anti-kink capabilities
- **Durable:** excellent abrasion resistance, plus oil and fuel resistant outer cover
- **Silicone free**
- **Safe:** highly visible green stripe for safety against becoming a trip hazard
- **Ideal for outside:** excellent ozone resistance, making it a number one choice for outdoor applications
- **Smooth bore:** consistent internal and external dimensions, with a smooth bore for optimum flow

 Working Temperature:  
-20°C to +60°C

 Maximum Working Pressure:  
20 bar



# SUPERIOR RUBBER ALLOY AIR HOSE & ASSEMBLIES



## Rubber Alloy Hose Assemblies

The new superior rubber alloy hose comes from years of research and development to find the optimum compound used to manufacture a hose with the total feel and capabilities of a rubber hose but without the associated negative aspects.

- High tensile polyester braid for reinforcement
- Excellent bend radius with anti kink capabilities
- Excellent abrasion resistance
- Oil resistant outer cover
- Fuel resistant outer cover

- Silicone free
- Highly visible green stripe for safety against becoming a trip hazard
- Excellent ozone resistance, making it a number one choice for outdoor applications
- Consistent on both internal and external dimensions, with a smooth bore for optimum flow

Each end fitting is brass BSPP female with a 60° sealing cone fixed to the hose via a brass ferrule, giving a full mechanical seal.

**Working Temperature:**  
-20°C to +60°C

**Maximum Working Pressure:**  
20 bar



### Female Thread, BSPP

0410	ID	Thread	Length Metres
SRAH06-5	1/4"	1/4"	5
SRAH06-10	1/4"	1/4"	10
SRAH06-15	1/4"	1/4"	15
SRAH06-20	1/4"	1/4"	20
SRAH08-5	5/16"	1/4"	5
SRAH08-10	5/16"	1/4"	10
SRAH08-15	5/16"	1/4"	15
SRAH08-20	5/16"	1/4"	20
SRAH10-5	3/8"	3/8"	5
SRAH10-10	3/8"	3/8"	10
SRAH10-15	3/8"	3/8"	15
SRAH10-20	3/8"	3/8"	20
SRAH13-5	1/2"	1/2"	5
SRAH13-10	1/2"	1/2"	10
SRAH13-15	1/2"	1/2"	15
SRAH13-20	1/2"	1/2"	20



### Rectus Series 100

0410	ID	Length Metres
SRAH100/13-10	1/2"	10
SRAH100/13-15	1/2"	15
SRAH100/13-20	1/2"	20
SRAH100/13-30	1/2"	30



### Rectus Series 100 Plug x 1/2" Male Thread, BSPT

0410	ID	Length Metres
SRAH1/2X100-10	1/2"	10
SRAH1/2X100-20	1/2"	20



### Rectus Series 19

0410	ID	Length Metres
SRAH19/8-5	5/16"	5
SRAH19/10-5	3/8"	5
SRAH19/8-10	5/16"	10
SRAH19/10-10	3/8"	10
SRAH19/8-15	5/16"	15
SRAH19/10-15	3/8"	15
SRAH19/8-20	5/16"	20
SRAH19/10-20	3/8"	20



### Rectus Series 25

0410	ID	Length Metres
SRAH25/10-5	3/8"	5
SRAH25/10-10	3/8"	10
SRAH25/10-15	3/8"	15
SRAH25/10-20	3/8"	20



### Leader Hose, Plug x Male Thread, BSPT, 0.6 Metre Length

0410	ID	Thread	To Suit
LDSRAH06X0.6	1/4"	1/4"	Rectus Series 19
LDSRAH10X0.6	3/8"	3/8"	Rectus Series 19
LDSRAH10X0.6-19	1/2"	1/2"	Rectus Series 19
LDSRAH13X0.6	3/8"	1/4"	Rectus Series 100
LDSRAH10X0.6-XF	3/8"	1/4"	Rectus Series 25



### Rectus Series 19 Plug x 1/4" Male Thread, BSPT

0410	ID	Length Metres
SRAH08X1/4X19-10	5/16"	10
SRAH08X1/4X19-20	5/16"	20
SRAH10X1/4X19-10	3/8"	10
SRAH10X1/4X19-20	3/8"	20

For...



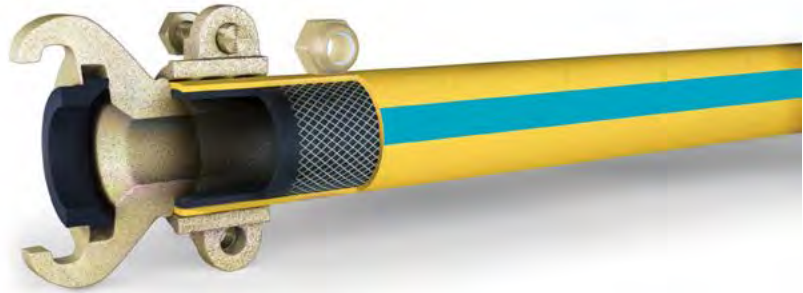
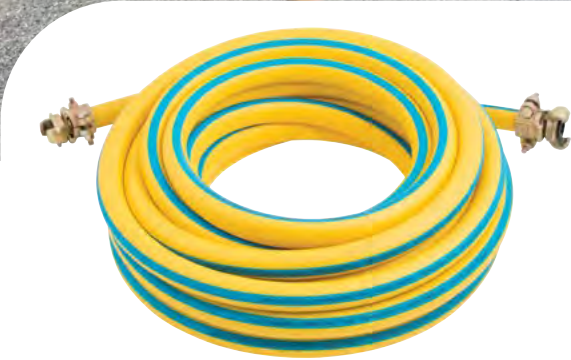
Fittings



...see Section 1








# Superior Safety Compressed Air Hose Assemblies

**DCH hose is manufactured with a special formula which will outperform PVC and rubber in all application requirements.**

- Greater temperature range for all weather and environment applications
- Improved abrasion compared to both PVC and rubber
- Tensile strength 10% better than rubber up to 150kg
- Coupling retention tried and tested up to 200kg
- Excellent flexibility, even in sub zero temperatures
- Full hose traceability

All assemblies are supplied complete with Jaymac safety claw couplings, rubber sealing ring and anti-vibration nuts.

 **Working Temperature:**  
-30°C to +60°C

 **Maximum Working Pressure:** 20 bar  
3:1 ratio

**15 Metre**

5995	ID mm	OD mm	Bend Radius mm
DCH-3/4-15SAFETY	19	29	60

Tech Sheet 20541



# Safety Compressed Air Hose Assemblies

## SAFETY Compressed Air Hose Assembly, 300psi

- Supplied complete with Jaymac safety claw couplings and clamps, which have fitted as standard anti-vibration nylock style nuts
- High quality mandrel built rubber hose (RTH only)



Rubber, 15 Metre Coils

5995	ID mm	OD mm
RTH-3/4-15SAFETY	19	29
Tech Sheet 20207		



PVC, 15 Metre Coils

5995	ID mm	OD mm
PTH-3/4-15SAFE	19	29
Tech Sheet 20207		

## Compressed Air Hose

### HOSE ONLY



Hose Only Rubber, 15 Metre Coils

5995	ID mm	OD mm
RTH-3/4-15M	19	29

## Safety Valves

The HoseGuard® is a simple, but efficient protection of a broken compressed-air hose. The air supply is shut off immediately by the HoseGuard®, should the volume of air exceed a set value. This "value" is preset by the manufacturer and is of course, set in a way that allows normal air consumption when using air tools. The HoseGuard® is made so that it ensures a constant bleeding through a tiny nozzle, making the hoseguard return to zero position, once the broken hose has been repaired. The HoseGuard® remains closed until the connection to the mains pipe has been disconnected.

Protection of personnel, machinery and equipment EU 983 and ISO 4414 standard conformity

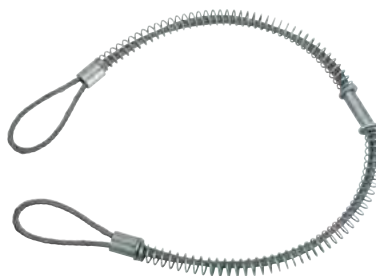


### Air Fuses, BSPP

0093	Thread	Inlet	Outlet	LPM
281A0211	1/4"	Female	Female	0-740
281A0221	1/4"	Male	Female	0-740
281A0311	3/8"	Female	Female	0-2400
281A0321	3/8"	Male	Female	0-2400
281A0411	1/2"	Female	Female	0-4000
281A0421	1/2"	Male	Female	0-4000
281A0511	3/4"	Female	Female	0-5300
281A0611	1"	Female	Female	0-11000
281A0911	2"	Female	Female	0-37000

Tech Sheet 1350

## Whip Check Hose Safety Device



We recommend the use of whip checks on all compressor hose assemblies.

### Whip Check Hose Safety Device

0019	OD	Kg
WCSD-1332	1/2" to 1.1/4"	560
WCSD-3876	1.1/2" to 3"	2300

Tech Sheet 10247

## Compressed Air Plant Hose 300psi



### PVC Hose

5995	ID	OD mm	Length Metres
PTH-1/2-100	1/2"	22	100
PTH-3/4-90	3/4"	29	90
PTH-1-60	1"	35	60

Tech Sheet 20206



## Layflat Delivery Hose

**Applications:** Conveyance and discharge of water etc. Particularly suitable for irrigation and water supply applications. However, can also be used in general industries, civil and construction engineering.

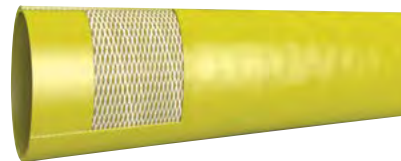
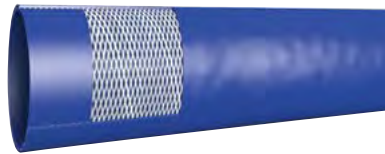
**Pressures:** Values given are based on the short term burst pressure of the hose at 20°C based on a 3:1 safety factor.

This product is only suitable for open ended discharge applications. Pressure ratings are based on discharge pressure from the pump unit.

**Note:** Any increase in temperature above 20°C will result in a decline in working pressure values.

**Chemical Resistance:** Resistant to the oils and greases as above. These hoses are not suitable for use with benzene, petrol, spirits, xylol, toluol or solvents containing aromatics. For more detailed information please contact technical sales.

🌡️ **Temperature Range:**  
-15°C to +55°C



## Blue, 10 Metre Coils

5993	ID	ID mm	Max Pressure Bar
LFH114-10	1.1/4"	32	4.5
LFH112-10	1.1/2"	38	4.5
LFH2-10	2"	51	4.5
LFH212-10	2.1/2"	64	4.5
LFH3-10	3"	76	4.5
LFH4-10	4"	102	4.5
LFH6-10	6"	150	4.5
LFH8-10	8"	200	4.5

Tech Sheet 20208

## Blue, 100 Metre Coils

5993	ID	ID mm	Max Pressure Bar
LFH1-100	1"	25	4.5
LFH114-100	1.1/4"	32	4.5
LFH112-100	1.1/2"	38	4.5
LFH2-100	2"	51	4.5
LFH212-100	2.1/2"	64	4.5
LFH3-100	3"	76	4.5
LFH4-100	4"	102	4.5
LFH6-100	6"	150	4.5
LFH8-100	8"	200	4.5

Tech Sheet 20208

## Yellow, 10 Metre Coils

5993	ID	ID mm	Max Pressure Bar
YLH-1-10	1"	25	6
YLH-114-10	1.1/4"	32	6
YLH-112-10	1.1/2"	38	6
YLH-2-10	2"	51	6
YLH-3-10	3"	76	6
YLH-4-10	4"	102	6
YLH-5-10	5"	127	6
YLH-6-10	6"	152	6
YLH-8-10	8"	203	6

Tech Sheet 20212

## Yellow, 100 Metre Coils

5993	ID	ID mm	Max Pressure Bar
YLH-1	1"	25	6
YLH-114	1.1/4"	32	6
YLH-112	1.1/2"	38	6
YLH-2	2"	51	6
YLH-3	3"	76	6
YLH-4	4"	102	6
YLH-5	5"	127	6
YLH-6	6"	152	6
YLH-8	8"	203	6

Tech Sheet 20212

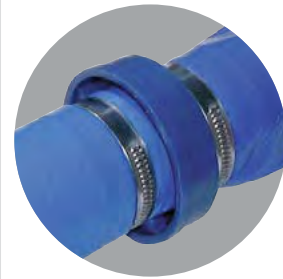
## Layflat Hose Couplings

## Female Coupling

## Male Coupling



**Please note:**  
two items are needed to make a coupling set.



## Male

6000	To Suit Hose ID
LMC-1	1"
LMC-114	1.1/4"
LMC-112	1.1/2"
LMC-2	2"
LMC-212	2.1/2"
LMC-3	3"
LMC-4	4"
LMC-5	5"

Tech Sheet 20209

## Female

6000	To Suit Hose ID
LFC-1	1"
LFC-114	1.1/4"
LFC-112	1.1/2"
LFC-2	2"
LFC-212	2.1/2"
LFC-3	3"
LFC-4	4"

Tech Sheet 20209

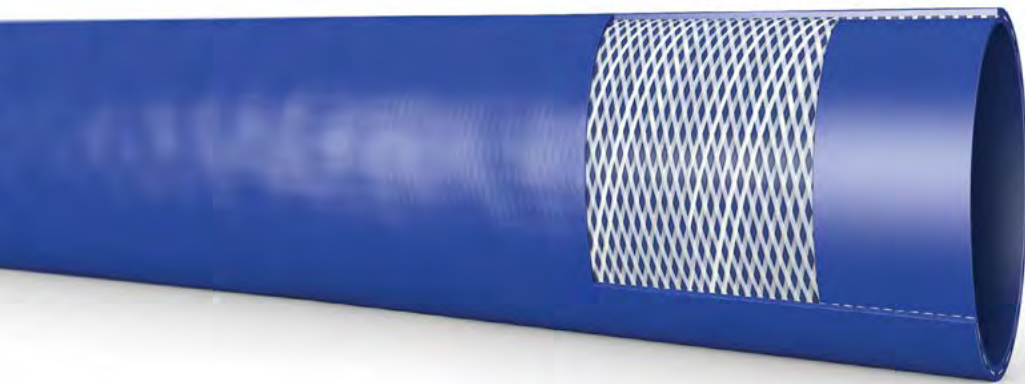
You might also need...

## Individual Couplings



see Section 1





# LAYFLAT HOSE

## High Pressure Layflat Delivery Hose

### Application:

Conveyance and discharge of fluids under pressure. Particularly suitable for irrigation and water supply applications in general industries, civil and construction engineering, agricultural and ship building.

### Pressures:

Values given are based on the short term burst pressure of the hose at +20°C based on a 3:1 safety factor.

This product is only suitable for open-ended discharge applications. Pressure ratings are based on discharge pressure from the pump unit.

### Note:

Any increase in temperature above +20°C will result in a decline in working pressure values.

### Chemical Resistance:

Resistant to oils and greases. These hoses are not suitable for use with benzene, petrol, spirits, xylol, or solvents containing aromatics. For more detailed information please contact Technical Sales.

### Benefits:

Layflat hoses provide high performance whilst being lightweight compared with the same size of spiral PVC delivery hoses and rubber discharge hoses. Additionally they are easier to store, handle and transport.

**Cut down lengths are available upon request.**

### Blue, 10 Metre Coils

5993	ID	ID mm	Max Pressure Bar
HPLFH1-10	1"	25	10
HPLFH114-10	1.1/4"	32	10
HPLFH112-10	1.1/2"	38	10
HPLFH2-10	2"	51	10
HPLFH212-10	2.1/2"	64	8
HPLFH3-10	3"	76	8
HPLFH4-10	4"	102	8


Tech Sheet 20210

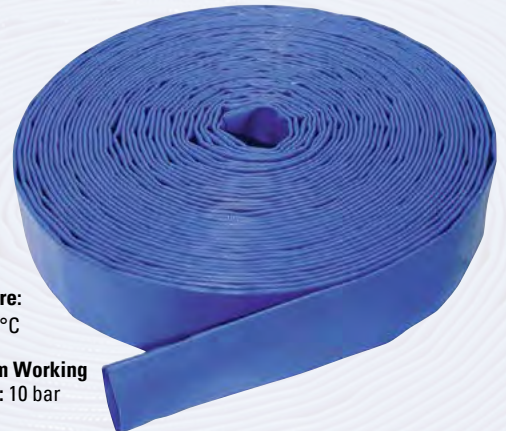
### Blue, 100 Metre Coils

5993	ID	ID mm	Max Pressure Bar
HPLFH1-100	1"	25	10
HPLFH114-100	1.1/4"	32	10
HPLFH112-100	1.1/2"	38	10
HPLFH2-100	2"	51	10
HPLFH212-100	2.1/2"	64	8
HPLFH3-100	3"	76	8
HPLFH4-100	4"	102	8

Tech Sheet 20210

 **Working Temperature:**  
-5°C to +65°C

 **Maximum Working Pressure:** 10 bar





# LAYFLAT HOSE

## Rubber-covered Agricultural Drag Hose

### Features

- Excellent resistance to weathering, UV and ozone
- Superior abrasion resistance, suitable for all ground conditions
- No biodegradation, excellent resistance to agricultural chemicals and fertilizers
- Minimum pressure loss, very low elongation
- Supreme adhesion level between rubber and textile reinforcement
- Very durable and hard-wearing for long service life

 **Working Temperature:**  
-20°C to +80°C

### Applications

- Linear and travelling irrigation
- Sludge and slurry disposal
- Liquid manure handling
- Waste water distribution systems
- Heavy-duty water transport



### 100 Metre Coils


0477	ID	Wall Thickness mm	Max Pressure Bar	Breaking Strength Kg
RLDH2-100	2"	3.3	20	3,900
RLDH3-100	3"	3.3	20	8,800
RLDH4-100	4"	3.5	20	12,400
RLDH5-100	5"	3.9	18	17,000
RLDH6-100	6"	3.9	17	17,900
RLDH10-100	10"	5.2	12	43,200

Tech Sheet 60376

## PU Multipurpose Layflat Hose

### Features

- Superior abrasion resistance
- Extremely hard-wearing and durable for long service life
- Resistant to oil, fuel and a wide range of chemicals
- Resistant to weathering and ozone
- Flexible and lightweight compared to mandril-built hoses, good handling
- Excellent flexibility when cold

 **Working Temperature:**  
-50°C to +75°C

### Applications

- Construction sites, waste water industry
- Agriculture and mining
- Transport of abrasive materials
- Flexible pipeline even in extreme terrain
- Irrigation and sludge disposal
- Heavy-duty service under toughest conditions



### 100 Metre Coils

0477	ID	Wall Thickness mm	Max Pressure Bar	Breaking Strength Kg
PUMPH2-100	2"	2.4	20	5,000
PUMPH3-100	3"	2.8	20	6,900
PUMPH4-100	4"	3.3	17	13,800
PUMPH5-100	5"	3.4	17	17,000
PUMPH6-100	6"	3.7	17	17,900
PUMPH10-100	10"	5.1	17	45,500
PUMPH12-100	12"	5.3	12	55,000

Tech Sheet 60377


## PU Layflat Drag Hose

### Applications

- Construction sites, waste water industry
- Agriculture and mining
- Transport of abrasive materials
- Flexible pipeline even in extreme terrain
- Irrigation and sludge disposal
- Supply hose for liquid manure and sludge injection systems
- Heavy-duty service under toughest conditions

### Features

- Superior abrasion resistance
- Extremely hard-wearing and durable for long service life
- Ultra-high tensile strength
- Resistant to oil, fuel and a wide range of chemicals
- Resistant to weathering, UV and ozone
- Lightweight and easy to handle compared to rubber material-handling hose
- Excellent flexibility when cold

 **Working Temperature:**  
-50°C to +75°C

### 100 Metre Coils

0477	ID	Wall Thickness mm	Max Pressure Bar	Breaking Strength Kg
PUDH4-100	4"	3.8	14	13,800
PUDH5-100	5"	3.8	14	20,500
PUDH6-100	6"	4.0	14	27,200

Tech Sheet 60378



200m length available on request

# YELLOW PVC LAYFLAT ASSEMBLIES

## Yellow PVC Layflat

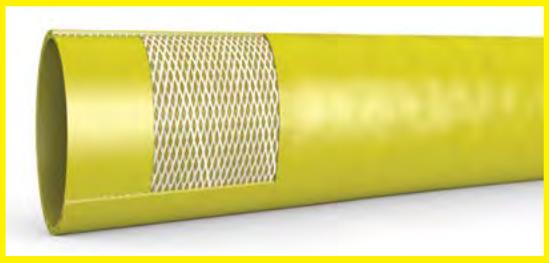
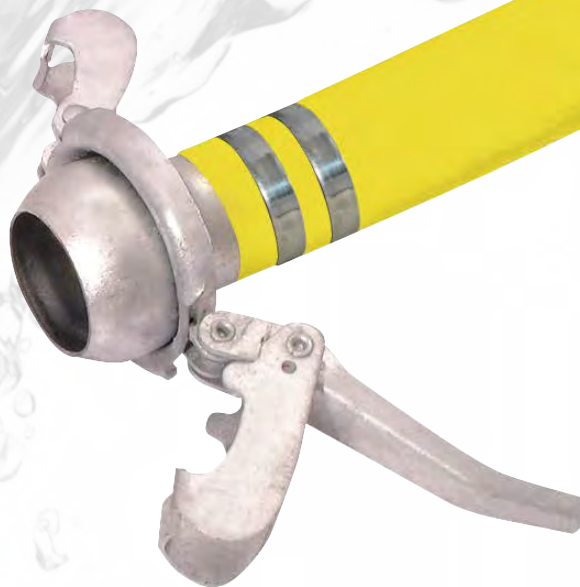
is manufactured with a smooth and seamless inner surface and smooth PVC cover. A very high adhesion between inner and outer layers assembled with Band-It clamps male/female lever lock couplings.

This product is only suitable for open ended discharge applications. Pressure ratings are based on discharge pressure from the pump unit.

**Please note:** Due to transportation difficulties and the nature of this product, additional carriage charges may apply, based on weight, dimensions and location of delivery. Please speak to our Business Development Team for full details of carriage costs.



**Maximum Working Pressure:** 6 bar  
**Bursting Pressure:** 18 bar



### Assemblies

0180	Coupling Size	ID mm	Weight Kg	Length Metres
YLH2-25M-ASSY	2"	51	10	25
YLH2-50M-ASSY	2"	51	19	50
YLH2-100M-ASSY	2"	51	37	100
YLH3-25M-ASSY	3.1/2"	76	15	25
YLH3-50M-ASSY	3.1/2"	76	29	50
YLH3-100M-ASSY	3.1/2"	76	57	100
YLH4-25M-ASSY	4"	102	22	25
YLH4-50M-ASSY	4"	102	41	50
YLH4-100M-ASSY	4"	102	78	100
YLH6-25M-ASSY	6"	152	47	25
YLH6-50M-ASSY	6"	152	87	50
YLH6-100M-ASSY	6"	152	167	100
YLH8-25M-ASSY	8"	203	62	25
YLH8-50M-ASSY	8"	203	112	50

### Non-returnable

Bespoke lengths are available upon request




# BLUE PVC LAYFLAT ASSEMBLIES

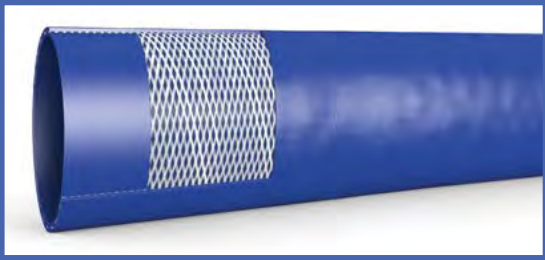
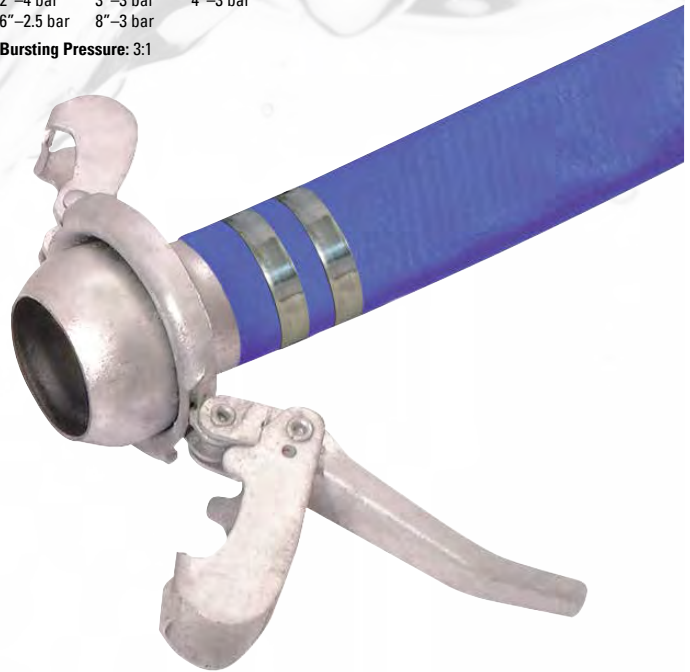
## Blue PVC Layflat

is manufactured with a smooth and seamless inner surface and smooth PVC cover. A very high adhesion between inner and outer layers assembled with Band-It clamps male/female lever lock couplings.

This product is only suitable for open ended discharge applications. Pressure ratings are based on discharge pressure from the pump unit.

**Please note:** Due to transportation difficulties and the nature of this product, additional carriage charges may apply, based on weight, dimensions and location of delivery. Please speak to our Business Development Team for full details of carriage costs.

 **Maximum Working Pressure:**  
2"–4 bar    3"–3 bar    4"–3 bar  
6"–2.5 bar    8"–3 bar  
**Bursting Pressure:** 3:1



### Assemblies

0180	Coupling Size	ID mm	Weight Kg	Length Metres
BLH2-25M-ASSY	2"	51	7	25
BLH2-50M-ASSY	2"	51	14	50
BLH3-25M-ASSY	3.1/2"	76	10	25
BLH3-50M-ASSY	3.1/2"	76	17	50
BLH3-100M-ASSY	3.1/2"	76	33	100
BLH4-25M-ASSY	4"	102	17	25
BLH4-50M-ASSY	4"	102	31	50
BLH4-100M-ASSY	4"	102	59	100
BLH6-25M-ASSY	6"	152	32	25
BLH6-50M-ASSY	6"	152	57	50
BLH6-100M-ASSY	6"	152	107	100

### Non-returnable

Bespoke lengths are available upon request

# GREEN SUCTION HOSE ASSEMBLIES

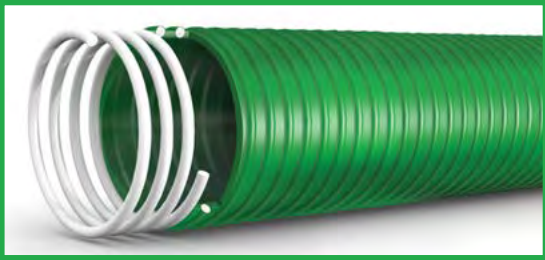
Green PVC Suction Hose Assemblies are manufactured in an opaque green flexible PVC containing a white spiral helix. All assemblies are fitted with male/female lever lock couplings, attached with Band-It clamps.

**Please note:** Due to transportation difficulties and the nature of this product, additional carriage charges may apply, based on weight, dimensions and location of delivery. Please speak to our Business Development Team for full details of carriage costs.

Larger sizes available upon request.

**Working Temperature:**  
-10°C to +60°C  
**Cold Blend:** -45°C  
**Vacuum:**  
680mm Hg = 90% at 20°C

**Maximum Working Pressure:**  
2", 3", 4" – 3 bar  
6" and 8" – 2 bar  
**Bursting Pressure:** 3:1



## Assemblies

0180	Coupling Size	ID mm	Weight Kg	Length Metres
GMDSLLC2-6M	2"	51	5	6
GMDSLLC3312-6M	3.1/2"	76	10	6
GMDSLLC4-6M	4"	102	16	6
GMDSLLC6-6M	6"	152	32	6
GMDSLLC8-6M	8"	203	48	6

Tech Sheet 2089

## Non-returnable

Bespoke lengths are available upon request



# SUCTION HOSE

## Medium-duty Suction Hose

**Cold Bend:** -45°C

**Vacuum:** 680mm Hg = 90% at +20°C

Approximately 15% lighter than heavy-duty suction hose.

**Applications:** General pumping and suction applications in agricultural and construction industries. Conveyance of water, sludge, slurry, chemicals and other waste matter.

**Pressures:** Values given are based on the short term burst pressure of the hose at +20°C based on a 3:1 safety factor.

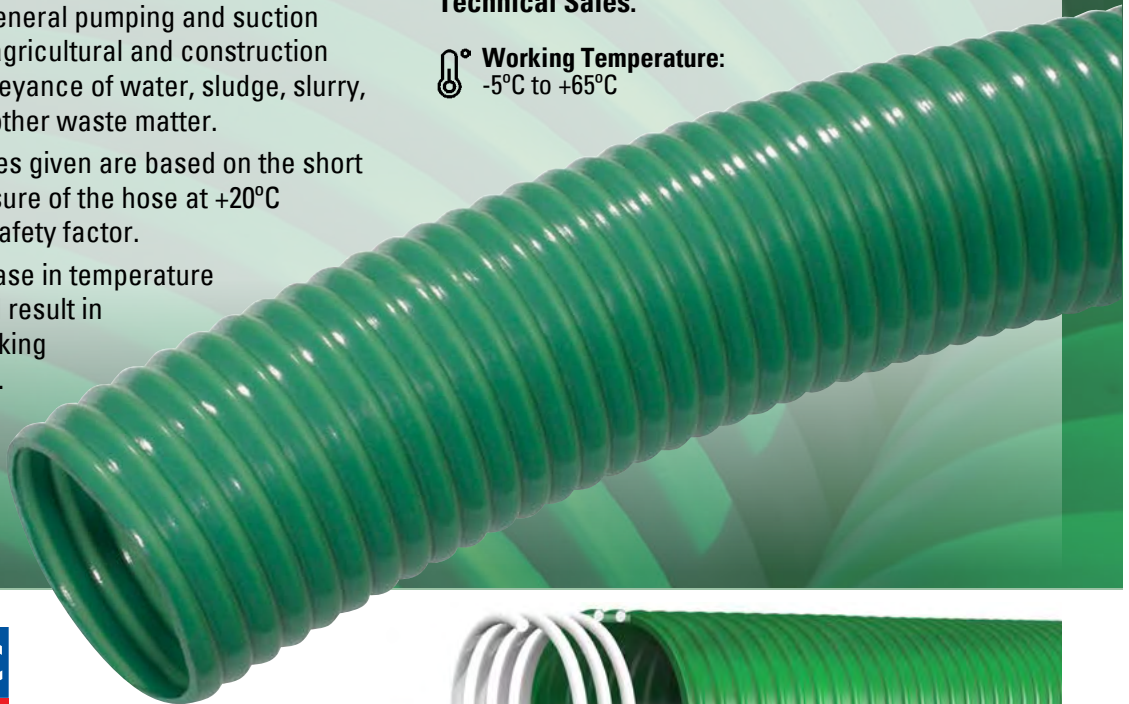
**Note:** Any increase in temperature above +20°C will result in a decline in working pressure values.

### Chemical Resistance:

Resistant to most oxidising and reducing agents and diluted acids and alkalis.

**For more detailed information please contact Technical Sales.**

 **Working Temperature:**  
-5°C to +65°C



### Olive Green, 6 Metre Coil, Straight Length

5996	ID	Wall Thickness mm	Max Pressure Bar	Bend Radius mm
MDS6-6	6"	7.5	3	800

Tech Sheet 20211

### Olive Green, 10 Metre Coils

5996	ID	Wall Thickness mm	Max Pressure Bar	Bend Radius mm
MDS1-10	1"	3.8	7	125
MDS114-10	1.1/4"	4	7	160
MDS112-10	1.1/2"	4.4	6	190
MDS2-10	2"	4.8	5	250
MDS212-10	2.1/2"	5.2	4.5	315
MDS3-10	3"	5.2	5	300
MDS312-10	3.1/2"	5.5	4	375
MDS4-10	4"	6.3	4	400
MDS6-10	6"	7.5	3	800

Tech Sheet 20211



### Olive Green, 30 Metre Coils

5996	ID	Wall Thickness mm	Max Pressure Bar	Bend Radius mm
MDS34-30	3/4"	3.6	7	100
MDS1-30	1"	3.8	7	125
MDS114-30	1.1/4"	4	7	160
MDS112-30	1.1/2"	4.4	6	190
MDS2-30	2"	4.8	5	250
MDS212-30	2.1/2"	5.2	4.5	315
MDS3-30	3"	5.2	5	300
MDS312-30	3.1/2"	5.5	4	375
MDS4-30	4"	6.3	4	400
MDS6-30	6"	7.5	3	800

Tech Sheet 20211

Larger sizes available upon request

# SUCTION HOSE

## Superflexible Medium-duty Suction Hose

Superflexible medium-duty suction hose is a robust general purpose hose. It has excellent weathering and crush resistance and is extremely easy to handle due to its extra flexibility. It has a white helix spiral encased in a superflexible green pvc.

**Industries:** Suitable for general pumping and suction applications within the agricultural, construction and water treatment industries.

**Applications:** Conveyance of water, sludge, slurry, and other waste matter. Can also be used to convey small particles like animal feed and plastic pellets.

**Vacuum:** 680mm Hg = 90% at +20°C

**Pressure:** Values given are based on the short term burst pressure of the hose at +20°C based on a 3:1 safety factor.

**Chemical Resistance:** Resistant to most oxidising and reducing agents and diluted acids and alkalis  
**For more details please contact Technical Sales.**

**Note:** Any increase in temperature above +20°C will result in a decline in working pressure values.



 **Working Temperature:**  
-15°C to +60°C



### Dark Olive Green, 10 Metre Coils

5996	ID	Wall Thickness mm	Max Pressure Bar	Bend Radius mm
SFMD534-10	3/4"	3.3	8	100
SFMD51-10	1"	3.5	8	110
SFMD5114-10	1.1/4"	3.7	7	135
SFMD5112-10	1.1/2"	4	7	150
SFMD52-10	2"	4.3	6.5	200
SFMD5212-10	2.1/2"	5.2	7	250
SFMD53-10	3"	5	4.5	300
SFMD5312-10	3.1/2"	5.5	5	350
SFMD54-10	4"	6	5	400
SFMD56-10	6"	7.5	2	600

Tech Sheet 10222

### Dark Olive Green, 30 Metre Coils

5996	ID	Wall Thickness mm	Max Pressure Bar	Bend Radius mm
SFMD534-30	3/4"	3.3	8	100
SFMD51-30	1"	3.5	8	110
SFMD5114-30	1.1/4"	3.7	7	135
SFMD5112-30	1.1/2"	4	7	150
SFMD52-30	2"	4.3	6.5	200
SFMD5212-30	2.1/2"	5.2	7	250
SFMD53-30	3"	5	4.5	300
SFMD5312-30	3.1/2"	5.5	5	350
SFMD54-30	4"	6	5	400
SFMD56-30	6"	7.5	2	600

Tech Sheet 10222

# SUCTION HOSE

## Heavy-duty Suction Hose

Smooth inside and outside non-restricting tube. The ridged PVC spiral resists crushing impact. High abrasion resistance makes it ideal to transfer powder.

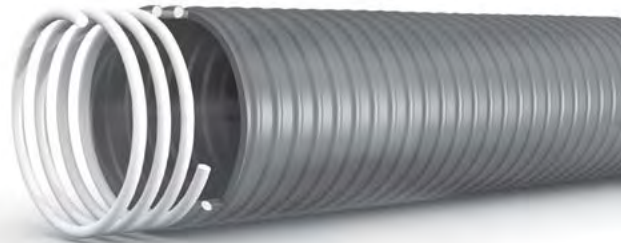
**Industries:** Suitable for construction, civil engineering, agriculture and ships.

**Applications:** Suction discharge for sand, gravel, cement and iron fittings, suction and press-transfer of various grains.

**Pressure:** Values given are based on the short term burst pressure of the hose at +20°C based on a 3:1 safety factor.

**Chemical Resistance:** Resistant to most oxidising and reducing agents and diluted acids and alkalis. For more details please contact Technical Sales.

**Note:** Any increase in temperature above +20°C will result in a decline in working pressure values.



 **Working Temperature:**  
-5°C to +65°C



### 10 Metres

5996	ID	Max Pressure Bar	Bend Radius mm
HDSH2-10	2"	7	300
HDSH3-10	3"	5	450
HDSH4-10	4"	5	630
HDSH6-10	6"	4	1100

Tech Sheet 60441

### 30 Metres

5996	ID	Max Pressure Bar	Bend Radius mm
HDSH2-30	2"	7	300
HDSH3-30	3"	5	450
HDSH4-30	4"	5	630
HDSH6-30	6"	4	1100

Tech Sheet 60441



# OIL RESISTANT SUCTION HOSE

Oil resistant medium-duty suction hose is a robust general purpose oil hose. It has a smooth bore for minimum flow resistance. Excellent weathering and crush resistance. It has a white helix spiral encased in an oil resistant blue pvc.

**Applications:** Designed for the use of transporting fuel/oils, and is suitable for many industrial areas.

**Vacuum:** 680mm Hg = 90% at +20°C

**Pressure:** Values given are based on the short term burst pressure of the hose at +20°C based on a 3:1 safety factor.

**Chemical Resistance:** Suitable for low aromatic content including oil, diesel, paraffin, hydraulic oils, mineral based oils, lubricating oils and greases.

**For more details please contact our Technical Sales.**

**Note:** Any increase in temperature above +20°C will result in a decline in working pressure values.



 **Working Temperature:**  
-15°C to +60°C



## Blue, 10 Metre Coils

5996	ID	Wall Thickness mm	Max Pressure Bar
BORS34-10	3/4"	3.5	8
BORS1-10	1"	4	8
BORS114-10	1.1/4"	4	7
BORS112-10	1.1/2"	4.5	7
BORS2-10	2"	4.5	6.5
BORS212-10	2.1/2"	4.5	5
BORS3-10	3"	5	4.5

Tech Sheet 10223

## Blue, 30 Metre Coils

5996	ID	Wall Thickness mm	Max Pressure Bar
BORS34-30	3/4"	3.5	8
BORS1-30	1"	4	8
BORS114-30	1.1/4"	4	7
BORS112-30	1.1/2"	4.5	7
BORS2-30	2"	4.5	6.5
BORS212-30	2.1/2"	4.5	5
BORS3-30	3"	5	4.5

Tech Sheet 10223



## Hose Assemblies & Hose

Hose assemblies are manufactured with black SBR tubes and ozone-resistant SBR covers.

The reinforcement is manufactured from high tensile textile cords embedded with steel helix wires for vacuum resistance. All assemblies are fitted with male/female lever lock couplings. Assemblies are available with any combination of fittings including flange, cam and groove.

**Please contact our Business Development Team for a quote.**

Material and test certification can be supplied.

Working Temperature: -30°C to +70°C

Maximum Working Pressure: 150 psi



- Mechanical swage
- Decreases snagging
- Cleaner finish
- Added hose tail security
- No need for two indentations on the hose



### Hose Assemblies (Ultra-lok Bands)

0180	Coupling Size	ID mm	OD mm	Length Metres	Assembly Max Working Pressure
WALLC2-3M	2"	51	62	3	10
WALLC2-6M	2"	51	62	6	10
WALLC3312-3M	3.1/2"	76	89	3	10
WALLC3312-6M	3.1/2"	76	89	6	10
WALLC4-3M	4"	102	115	3	10
WALLC4-6M	4"	102	115	6	10
WALLC6-3M	6"	152	168	3	7
WALLC6-6M	6"	152	168	6	7

### Hose Assemblies (Swaged)

0372	Coupling Size	ID mm	OD mm	Length Metres	Assembly Max Working Pressure
WALLCSW2-3M	2"	51	62	3	10
WALLCSW2-6M	2"	51	62	6	10
WALLCSW3312-3M	3.1/2"	76	89	3	10
WALLCSW3312-6M	3.1/2"	76	89	6	10
WALLCSW4-3M	4"	102	115	3	10
WALLCSW4-6M	4"	102	115	6	10
WALLCSW6-3M	6"	152	168	3	7
WALLCSW6-6M	6"	152	168	6	7

### Hose Only

0180	ID mm	OD mm	Length Metres
WA2-6M	51	62	6
WA3-6M	76	89	6
WA4-6M	102	115	6
WA6-3M	152	168	3
WA8-3M	203	222	3

### Swage Rings



5555	To Suit Hose
SWAGE RING 2	2"
SWAGE RING 3	3"
SWAGE RING 4	4"
SWAGE RING 6	6"

# WATER DELIVERY HOSE

**Cold Bend:** -45°C

**Vacuum:** 570mm Hg = 75% at +20°C

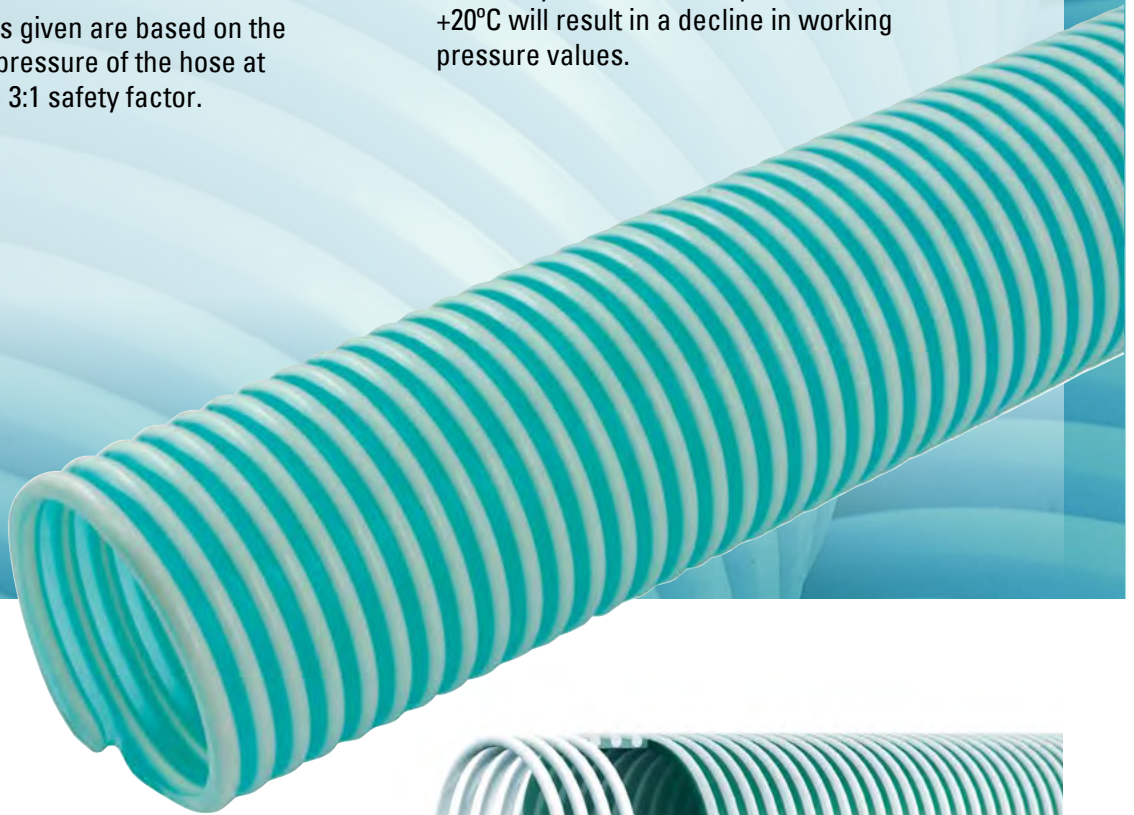
**Applications:** Delivery and light suction of water, slurry, chemicals, some granules, sewage and other waste matter. Particularly suitable for the horticultural and marine industries.

**Pressures:** Values given are based on the short term burst pressure of the hose at +20°C based on a 3:1 safety factor.

**Chemical Resistance:** Resistant to most oxidising and reducing agents and diluted acids and alkalis.

**For more detailed information please contact Technical Sales.**

**Note:** Any increase in temperature above +20°C will result in a decline in working pressure values.



 **Working Temperature:**  
-15°C to +65°C



## Translucent Green, 10 Metre Coils

5994	ID	Wall Thickness mm	Max Pressure Bar	Bend Radius mm
<b>WDH34-10</b>	3/4"	2.4	8	110
<b>WDH1-10</b>	1"	2.4	8	140
<b>WDH114-10</b>	1.1/4"	2.6	8	180
<b>WDH112-10</b>	1.1/2"	3	8	210
<b>WDH2-10</b>	2"	3.6	7	270
<b>WDH212-10</b>	2.1/2"	3.7	6	350
<b>WDH3-10</b>	3"	4.1	5	500
<b>WDH4-10</b>	4"	5.6	5	330

Tech Sheet 20213

## Translucent Green, 30 Metre Coils

5994	ID	Wall Thickness mm	Max Pressure Bar	Bend Radius mm
<b>WDH34-30</b>	3/4"	2.4	8	110
<b>WDH1-30</b>	1"	2.4	8	140
<b>WDH114-30</b>	1.1/4"	2.6	8	180
<b>WDH112-30</b>	1.1/2"	3	8	210
<b>WDH2-30</b>	2"	3.6	7	270
<b>WDH212-30</b>	2.1/2"	3.7	6	350
<b>WDH3-30</b>	3"	4.1	5	500
<b>WDH4-30</b>	4"	5.6	5	330

Tech Sheet 20213

# WIRE REINFORCED SUCTION HOSE

## Wire Reinforced Suction Hose

Clear PVC reinforced with a tensile steel helix

**Applications:** Suitable for the suction and discharge of water, slurry, chemicals, sewage, granules and other waste materials; can also be used for suction and discharge of foodstuffs.

**Pressures:** Values given are based on the short term burst pressure of the hose at 20°C based on a 3:1 safety factor.

**Note:** Any increase in temperature above 20°C will result in a decline in working pressure values.

**Chemical Resistance:** Resistant to most oxidising and reducing agents and diluted acids and alkalis.

**For more detailed information please contact technical sales.**

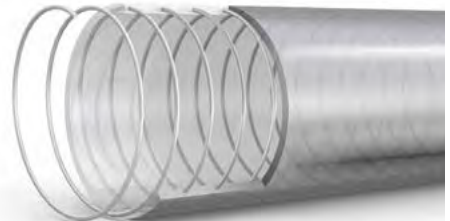
**Approvals:** Hose complies fully to EU No.10/201 on plastic materials and articles intended to come into contact with food.

**Cold bend:** -45°C

**Vacuum:** 711mm Hg = 94% at 20°C



 **Working Temperature:**  
-5°C to +65°C



### Clear with Blue Wire Spiral, 10 Metre Coils

5997	ID	Wall Thickness mm	Max Pressure Bar	Bend Radius mm
FX075-10	3/4"	3.4	6	80
FX100-10	1"	3.5	6	100
FX125-10	1.1/4"	3.5	5	130
FX150-10	1.1/2"	4.0	5	155
FX200-10	2"	4.5	5	200
FX250-10	2.1/2"	5.5	4	260
FX300-10	3"	7.5	4	320
FX400-10	4"	8	4	430

Tech Sheet 20214

### Clear with Blue Wire Spiral, 30 Metre Coils

5997	ID	Wall Thicknes mm	Max Pressure Bar	Bend Radius mm
FX050-30	1/2"	3	6	50
FX075-30	3/4"	3.5	6	80
FX100-30	1"	3.5	6	100
FX125-30	1.1/4"	4.0	5	130
FX150-30	1.1/2"	4.5	5	155
FX200-30	2"	5.5	5	200
FX250-30	2.1/2"	7	4	260
FX300-30	3"	7.5	4	320
FX400-30	4"	8	4	430

Tech Sheet 20214





## Thermoclean 100, 15 bar

**Bursting Pressure:** at 23°C = 30 bar  
**Application:**  
 Food quality industrial cleaning  
 Grease and cleaning agent resistant

**Working Temperature:**  
 -15°C up to +100°C max

**Maximum Working Pressure:**  
 100°C 15 bar



### Blue, 20 Metre Coils

5080	ID mm	OD mm	Wall Thickness mm
TRI-145571	13	22	4.5
TRI-145655	16	25	4.5
TRI-145671	19	28	4.5
TRI-145597	25	34	4.5

Tech Sheet 890

## Thermoclean AL20, 20 bar

**Bursting Pressure:** at 23°C = 100 bar  
**Application:**  
 Food quality industrial cleaning  
 Grease and cleaning agent resistant

**Working Temperature:**  
 -15°C up to +70°C max

**Maximum Working Pressure:**  
 70°C 20 bar



### Blue, 25 Metre Coils

5080	ID mm	OD mm	Wall Thickness mm
TRI-100236	12	20	4
TRI-100284	19	28	5

Tech Sheet 889

## Reinforced Breathing Hose

- Breathing air hose with reinforcement
  - Complies with EN 139
  - Heat resistant, with an oil resistant cover
  - Anti-static resistance 10-6 in accordance with NF EN ISO8031
- 50 metre coils available upon request.



### Nobelair AS EN139, Blue, 25 Metre Coils

5080	ID mm	Max Pressure Bar	Burst Pressure Bar	Wall Thickness mm
TRI-092856	8	15	60	3
TRI-092872	10	15	60	3

Tech Sheet 884



For **Combination Steel Nipples and Hose Joiners** see **Section 2**



# CONTRACTORS HOSE

## Un-reinforced PVC Hose

**Standard Coil Lengths:** 75 Metres

For delivering water at tap pressure.

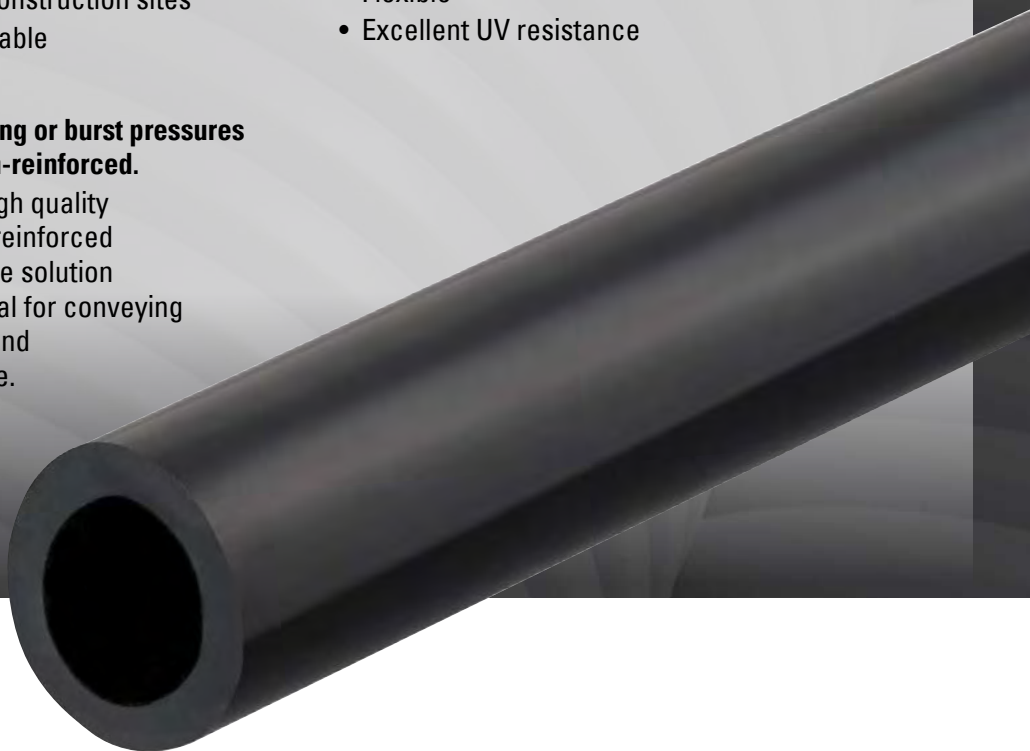
- Low cost alternative
- Used extensively on construction sites
- Bespoke lengths available

**Colour:** Black

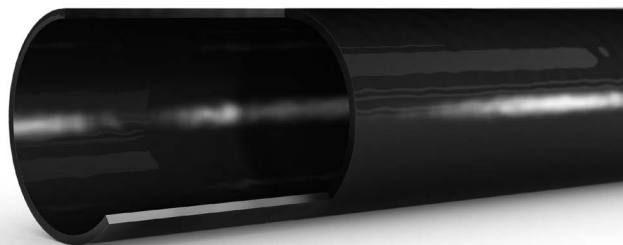
**No recommended working or burst pressures due to the hose being un-reinforced.**

Manufactured from a high quality PVC compound this un-reinforced hose is an excellent hose solution with great flexibility, ideal for conveying fluids, gases, granules and powders at low pressure.

- Excellent abrasion resistance
- Durable
- Resistant to a wide range of chemicals
- Flexible
- Excellent UV resistance



 **Working Temperature:**  
-10°C to +60°C



### Black, 75 Metre Coils

0384	ID mm	OD mm
CH-13/19-75	13	19
CH-19/25-75	19	25
CH-25/34-75	25	34

Tech Sheet 10260



## Marine Fuel Hose

**Type A1 Specification:** ISO 7840 A1.  
**Type A2 Specification:** ISO 7840 A2.  
**Application:** Fuel hose for marine craft.  
**Tube:** Black, fuel resistant NBR rubber.  
**Type A1 Reinforcement:** Synthetic textile.

**Type A2 Reinforcement:** Synthetic textile fabric, twin steel wire helix.  
**Cover:** Black, abrasion, ozone, weather, heat and oil resistant neoprene rubber.  
**Safety Factor:** 3-1.



### Type A1, 10 Metre Coils, 10 bar

5998	ID mm	OD mm
L633.4/005X10	5	12
L633.4/006X10	6	13
L633.4/008X10	8	16
L633.4/010X10	10	18
L633.4/013X10	13	22
L633.4/016X10	16	25
L633.4/019X10	19	29

**Working Temperature:**  
 -35°C to +100°C

### Type A1, 40 Metre Coils, 10 bar

5998	ID mm	OD mm
L633.4/005X40	5	12
L633.4/006X40	6	13
L633.4/008X40	8	16
L633.4/010X40	10	18
L633.4/013X40	13	22
L633.4/016X40	16	25
L633.4/019X40	19	29

### Type A2, 10 Metre Coils, 5 bar

5998	ID mm	OD mm
T633.4/025X10	25	35
T633.4/038X10	38	48

### Type A2, 40 Metre Coils, 5 bar

5998	ID mm	OD mm
T633.4/025X40	25	35
T633.4/032X40	32	42
T633.4/038X40	38	48



# XLPE CHEMICAL SUCTION & DELIVERY HOSE

### DESCRIPTION:

Chemical suction and delivery hose with XLPE tube for tank trucks and storage tanks. Suitable for handling a wide range of chemical products.

### INNER TUBE:

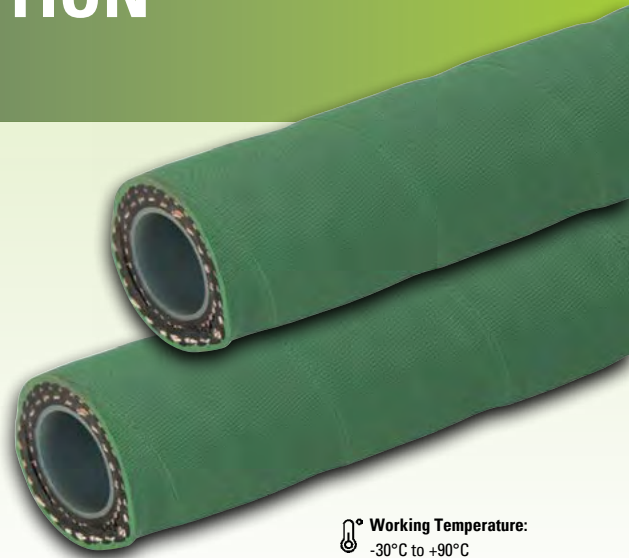
XLPE clear, smooth and resistant to a wide range of chemicals, with black rubber backing.

### REINFORCEMENT:

High tensile textile cord, steel wire helix, anti-static wire.

### COVER:

Green, smooth with cloth impression. Abrasion, weather and ozone resistant.



**Working Temperature:**  
 -30°C to +90°C

**Maximum Working Pressure:**  
 16 bar

### 40 Metre Coils

0464	ID	ID mm	OD mm	Bend Radius mm
XLPECS DH-13-40	1/2"	13	25	65
XLPECS DH-19-40	3/4"	19	32	95
XLPECS DH-25-40	1"	25	39	125
XLPECS DH-32-40	1.1/4"	32	47	160
XLPECS DH-38-40	1.1/2"	38	53	190
XLPECS DH-51-40	2"	51	67	255

Tech Sheet 60132

### 10 Metre Coils

0464	ID	ID mm	OD mm	Bend Radius mm
XLPECS DH-13-10	1/2"	13	25	65
XLPECS DH-19-10	3/4"	19	32	95
XLPECS DH-25-10	1"	25	39	125
XLPECS DH-32-10	1.1/4"	32	47	160
XLPECS DH-38-10	1.1/2"	38	53	190
XLPECS DH-51-10	2"	51	67	255

Tech Sheet 60132



## Marine Exhaust Hose

### Lloyds Approved

**Specification:** SAEJ2006R1

**Application:** Wet exhaust hose for marine craft.

**Tube:** Black, exhaust gas, salt water resistant EPDM rubber.

**Reinforcement:** Synthetic textile fabrics, steel wire helix.

**Cover:** Black, corrugated, resistant to heat, salt water, ozone and abrasion EPDM rubber.

**Safety Factor:** 3-1

**Working Temperature:**  
-30°C to +100°C



### 10 Metre Coils

5998	ID mm	OD mm
SAJ2006R1/032X10	32	41
SAJ2006R1/038X10	38	47
SAJ2006R1/045X10	45	54

### 40 Metre Coils

5998	ID mm	OD mm
SAJ2006R1/051X40	51	60

## Medium-duty Smooth Bore PVC Ducting

Extremely light and flexible plasticised PVC.

Shock resistant PVC spiral.

Abrasion, crushing, chemical agents and weather resistant corrugated outside.

Industrial ventilation and airflow systems, suction of dust, air, gases, powders, liquids etc.

**Working Temperature:**  
-10°C to +60°C



### General Purpose, 10 Metre Coils

5998	ID mm	Bend Radius mm
URU-25-10	25	30
URU-32-10	32	35
URU-38-10	38	45
URU-51-10	51	60
URU-76-10	76	100
URU-102-10	102	140
URU-152-10	152	180
URU-203-10	203	400

Tech Sheet 10509

## Non-toxic Suction Discharge Hose

**Cold Bend:** -45°C

**Vacuum:** 570mm Hg = 75% at 20°C

Raw materials used have FDA approval for use with foodstuffs.

**Applications:** Suction and discharge applications of liquids and solids.

**Pressures:** Values given are based on the short term burst pressure of the hose at 20°C based on a 3:1 safety factor.

**Note:** Any increase in temperature above 20°C will result in a decline in working pressure values.

**Chemical Resistance:** Resistant to most oxidising and reducing agents and diluted acids and alkalis.

**For more detailed information please contact technical sales.**

**Working Temperature:**  
-15°C to +65°C



### Clear with White Spiral, 5 Metre Coils

5998	ID	Wall Thickness mm	Max Pressure Bar	Bend Radius mm
FQSD1-5	1"	2.8	5	130
FQSD114-5	1.1/4"	3	5	155
FQSD112-5	1.1/2"	3.4	5	182
FQSD2-5	2"	4.1	5	235
FQSD212-5	2.1/2"	4.2	5	290
FQSD3-5	3"	4.7	5	340
FQSD4-5	4"	6	4	470

### Clear with White Spiral, 10 Metre Coils

5998	ID	Wall Thickness mm	Max Pressure Bar	Bend Radius mm
FQSD1-10	1"	2.8	5	130
FQSD114-10	1.1/4"	3	5	155
FQSD112-10	1.1/2"	3.4	5	182
FQSD2-10	2"	4.1	5	235
FQSD212-10	2.1/2"	4.2	5	290
FQSD3-10	3"	4.7	5	340
FQSD4-10	4"	6	4	470

## Diesel Drop Hose

**Application:** For diesel, air, water delivery up to 20 Bar

**Reinforcement:** Synthetic textile braid

**Cover:** Black weather and ozone resistant with purple stripe

**Safety Factor:** 3-1

### 50 Metre Coils

5999	ID mm	OD mm	Max Pressure Bar
DDRH19X-50	3/4"	28	20
DDRH25X-50	1"	34	20



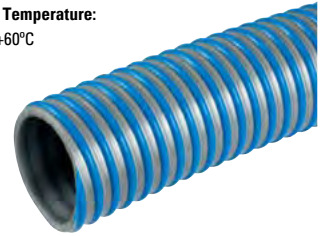
## Medusa Super Elastic Hose

Strong, flexible and smooth, shock and crush resistant PVC spiral. Good in cold climates.

**Applications:** Medium-duty suction and delivery of water, salt water, light chemicals, liquids, sewer purging, sludge, sand and gravel.

**Reinforcement:** Blue nylon spiral.

**Working Temperature:**  
-20°C to +60°C



### Medium-duty Suction & Delivery, 10 Metre Coils

5998	ID mm	Burst Pressure Bar	Bend Radius mm
GSE-51-10	2"	15	200
GSE-63-10	2.1/2"	14	275
GSE-76-10	3"	12	310
GSE-102-10	4"	10	410
GSE-152-10	6"	9	610

### Medium-duty Suction & Delivery, 30 Metre Coils

5998	ID mm	Burst Pressure Bar	Bend Radius mm
GSE-51	2"	15	200
GSE-63	2.1/2"	14	275
GSE-76	3"	12	310
GSE-102	4"	10	410
GSE-152	6"	9	610



# INDUSTRIAL HOSE

## Multipurpose Hose


This blue multipurpose fuel and oil hose is manufactured with a smooth NBR/PVC cover and a smooth NBR/SBR liner, and is reinforced with high tensile polyester yarn.


### Key Features:

- Good resistance to abrasion, weather and oil
- Resistant to petroleum products and certain solvents

### Application:

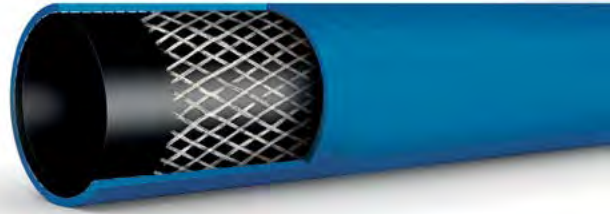
- Low pressure applications, for air, oil and water

 Working Temperature:  
-20°C to +70°C

 Working Pressure:  
20 bar

### Construction:

- Inner tube: oil resistant NBR
- Reinforcement: polyester yarn
- Cover: smooth blue, oil and weather resistant NBR/PVC blended
- Safety factor 3-1



### 100 Metre Coils

0525	ID	OD mm
MPAOW-04-100	1/4"	13
MPAOW-05-100	5/16"	15
MPAOW-06-100	3/8"	17
MPAOW-08-100	1/2"	21
MPAOW-12-100	3/4"	29
MPAOW-16-100	1"	35.5

Tech Sheet 68079

### 50 Metre Coils

0525	ID	OD mm
MPAOW-10-50	5/8"	25

Tech Sheet 68079



For...



**Brass Hose Tails**



...see **Section 2**

For...

**Clips & Clamps**



...see **Section 8**

## Buhar Steam Hose

**Applications:** For saturated steam service where non-marking is required. BS5122/A2.

**Reinforcement:** High tensile synthetic textile.

**Cover:** Abrasion, heat, steam ozone and weather resistant, pin-pricked special synthetic rubber.

**Tube:** EPDM rubber, resistant to steam up to 170°C.

**Working Temperature:**  
-40°C to +170°C



### White Steam Non-marking, 10 Metres

5998	ID	Bend Radius mm
SHW-13-10	1/2"	80
SHW-19-10	3/4"	135
SHW-25-10	1"	170

### White Steam Non-marking, 40 Metres

5998	ID	Bend Radius mm
SHW-13	1/2"	80
SHW-19	3/4"	135
SHW-25	1"	170

## Brewflex 10

**Applications:** For delivery of beverages such as mineral water, beer, fruit juices, wine and liqueurs.

**Reinforcement:** High tensile synthetic textile.

**Cover:** Weather, ozone, and abrasion resistant coloured synthetic rubber.

**Tube:** White non-toxic, taste and odour free synthetic EPDM rubber.

**Working Temperature:**  
-40°C to +80°C



### Brewers Delivery, 10 Metres

5998	ID	Bend Radius mm
BDH-19-10	3/4"	190
BDH-25-10	1"	254
BDH-32-10	1.1/4"	320
BDH-32-10	1.1/4"	320

### Brewers Delivery, 40 Metres

5998	ID	Bend Radius mm
BDH-19	3/4"	190
BDH-25	1"	254
BDH-32	1.1/4"	320
BDH-38	1.1/2"	380

## Rubber Hose, SAE100R6

**Tube:** Smooth oil resistant.

**Reinforcement:** Fibre spirals.

**Cover:** Black smooth oil and weather resistant.

**Safety Factor:** 4:1

**Applications:** Hydraulics, lubrication oils, mineral oil, emulsions and water.

**Working Temperature:**  
-40°C to +100°C



### 50 Metre Coils

5998	ID	ODmm	Max Pressure Bar
2020-9375	1/4"	12.7	27
2020-9383	5/16"	14.3	27
2020-9391	3/8"	15.9	27
2020-9409	1/2"	19.9	27
2020-9417	5/8"	23.1	24

### 25 Metre Coils

5998	ID	OD mm	Max Pressure Bar
2020-9425	3/4"	26.3	20
2020-9433	1"	35	17

## Smooth Bore PU Ducting

### Colour:

Clear with grey spiral

### Construction:

- Ester based PU
- Shock resistant PVC spiral, crushing, chemical agents, abrasion and weather resistant, corrugated outside
- Smooth bore for optimal flow

### Applications:

Suction and transportation of abrasive media such as powders, pellets, granulates, fibres, industrial ventilation and airflow systems. Also dust, gases, liquids and powders.

- Food grade according to (EU) No 10/2011

**Working Temperature:**  
-20°C to +80°C



### 20 Metre Coils

5998	ID mm	Bend Radius mm
PUSB-25-20	25	60
PUSB-38-20	38	78
PUSB-51-20	51	100
PUSB76-20	76	145
PUSB-102-20	102	200
PUSB-127-20	127	250

Tech Sheet 20559

### 10 Metre Coils

5998	ID mm	Bend Radius mm
PUSB-25-10	25	60
PUSB-38-10	38	78
PUSB-51-10	51	100
PUSB76-10	76	145
PUSB-102-10	102	200
PUSB-127-10	127	250
PUSB-152-10	152	305
PUSB-203-10	203	410

Tech Sheet 20559



## WYREM

### Applications

Air fume and particle extraction, suction, dust and exhaust gases, and ventilation in general industries.

### Properties

- Exceptionally robust and durable
- Excellent flexibility
- Highly resistant to ozone
- Good vacuum resistance due to its specially designed structure
- Black inner and outer, corrugated
- Smooth cuffs available on request

### Construction

Double reinforced layers of chloroprene-coated cotton and two spring steel helices. The inner helix is visible and the second one is trapped between the layers of cloth. Neoprene offers high resistance to chemical attack in both acidic and basic solutions. Cotton provides better mechanical strength than glass fibre fabric.

**Working Temperature:**  
-20°C to +100°C

**Maximum Working Pressure:**  
0.35 bar at +20°C



### 6 Metre Lengths

0469	ID mm	Bend Radius mm	Vacuum Pressure Bar
W8006-025	25	60	0.45
W8006-032	32	63	0.40
W8006-038	38	65	0.40
W8006-045	45	68	0.35
W8006-051	51	71	0.35
W8006-060	60	75	0.35
W8006-063	63.5	77	0.30
W8006-076	76	84	0.30
W8006-080	80	87	0.25
W8006-082	82	88	0.25
W8006-090	90	93	0.25
W8006-102	102	100	0.20
W8006-110	110	106	0.20
W8006-127	127	119	0.10
W8006-152	152	139	0.10
W8006-165	165	151	0.05
W8006-180	180	166	0.05
W8006-203	203	189	0.05
W8006-254	254	250	0.05
W8006-305	305	319	0.05

Tech Sheet 60177

## BUTYLFOOD

### Applications

- Transport of liquid or semi-liquid food products at high temperatures by impulsion or suction
- Designed to resist pressure or vacuum
- Recommended when a smaller bend radius is required

### Properties

- Odourless, tasteless and completely non-toxic
- White smooth inner, purple smooth outer
- Can be equipped with 316L stainless steel fittings on each end with a roughness value of less than 0.8mm (or 0.5mm on request)
- Operational temperature range from -20°C (-4°F) to +100°C (+212°F), may reach up to +120°C (+248°F)
- Can be sterilised at +130°C (+266°F) for a maximum of 30 minutes
- Available at a maximum length of 40m

### Construction

Butyl food grade inner and EPDM cover. Equipped with two textile reinforcements inside the wall of the tube and a double steel spring wire and copper braiding which prevent discharges of static electricity.

### Regulations

Butylic rubber produced in compliance with:

- US FDA Standard 21 CFR 177.2600
- German BfR Standard part XXI Cat 2
- ResAp 2004 (5), according to Reg 1935/2004/EEC and Reg 10/2011/EEC
- 3A Sanitary Standard 18-03 Class III (hose)
- Butylic rubber used is in accordance with EU Directive 2002/95/ECC for Restriction of the use of Hazardous Substances (RoSH)

**Working Temperature:**  
-20°C to +100°C

**Maximum Working Pressure:**  
10 bar



### 10 Metre Lengths

0470	ID	Bend Radius mm
BUTYLFOOD-112	1.1/2"	230
BUTYLFOOD-2	2"	300
BUTYLFOOD-212	2.1/2"	380
BUTYLFOOD-3	3"	450

Tech Sheet 60178




# ANTI-STATIC HOSE




## Air & Water

Durable all rubber constructed hose, fully complying with the requirement of BS 2050 specification for 20 bar working pressure.

- Suitable for all compressed air application
- Suitable for use where anti-static properties are preferred e.g. refineries, offshore oil and gas applications

 **Working Temperature:**  
-20°C to +80°C

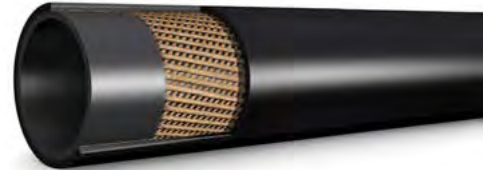
 **Maximum Working Pressure:** 20 bar

**Electrical Resistance  $\Omega$ :**  
Min  $3 \times 10^9$  per m - max  $10^9$

**Construction:**

**Lining:** Electrically conductive SBR rubber.

**Cover:** Smooth black SBR rubber.



### BS2050, 20 Metre Coils

0387	ID	OD mm	Max Pressure Bar	Burst Pressure Bar
ASAH-1/4-20	1/4"	14	20	60
ASAH-5/16-20	5/16"	16	20	60
ASAH-3/8-20	3/8"	18	20	60
ASAH-1/2-20	1/2"	22	20	60
ASAH-5/8-20	5/8"	26	20	60
ASAH-3/4-20	3/4"	30	20	60
ASAH-1-20	1"	36	20	60

Tech Sheet 10304






# INDUSTRIAL PUR DUCTING

This high performance ducting range is produced in Europe and is made from premium-grade ester polyurethane compound, reinforced with a copper-coated spring steel helix.

## Applications:

Transport hose for abrasive solids including: dust, powder, fibres, etc. Also suitable for extracting gaseous media such as oil vapours and welding fume.

- Excellent abrasion resistance
- Wire spiral reinforcement can be earthed
- Super flexible, low weight
- Small bend radius
- Good resistance to oil, petrol and chemicals
- High tensile strength and tear resistance

 **Working Temperature:**  
-40°C to +90°C

**Intermittent to:**  
+125°C

## Advanced Features:

- Anti-static wall – electrical and surface resistance,  $<10^9 \Omega$
- Flame retardant
- Microbe resistant



### Lightweight High Performance Polyurethane

**Wall Thickness:** 0.4mm approx.  
 Supplied in compressed form (4:1) to save space and cost  
 Use clamp type 212/212EC (refer to page 488).



#### 0.4mm Wall Thickness, 10 Metres

0391	ID mm	OD mm
PURLW-38	38	46
PURLW-50	50	58
PURLW-60	60	68
PURLW-65	65	73
PURLW-75	75	83
PURLW-80	80	88
PURLW-90	90	98
PURLW-100	100	108
PURLW-115	115	123
PURLW-120	120	128
PURLW-125	125	133
PURLW-130	130	138
PURLW-140	140	148
PURLW-150	150	158
PURLW-160	160	168
PURLW-180	180	188
PURLW-200	200	208
PURLW-225	225	234
PURLW-250	250	259

Tech Sheet 110820

### Medium Weight High Performance Polyurethane

**Wall Thickness:** 0.6mm approx.  
 Supplied in compressed form (3:1) to save space and cost  
 Use clamp type 212/212EC (refer to page 488).



#### 0.6mm Wall Thickness, 10 Metres

0391	ID mm	OD mm
PURMW-38	38	45
PURMW-50	50	58
PURMW-60	60	68
PURMW-65	65	73
PURMW-75	75	83
PURMW-80	80	88
PURMW-90	90	98
PURMW-100	100	108
PURMW-115	115	123
PURMW-120	120	128
PURMW-125	125	133
PURMW-130	130	138
PURMW-140	140	148
PURMW-150	150	158
PURMW-160	160	168
PURMW-180	180	188
PURMW-200	200	208
PURMW-225	225	233
PURMW-250	250	258
PURMW-300	300	309
PURMW-350	350	359
PURMW-400	400	409

Tech Sheet 68801

Available per metre, contact sales for more information.



# ABRASION-RESISTANT, ANTI-STATIC INDUSTRIAL PUR DUCTING

## PROTAPE PUR 301 AS

Made from premium-grade ester Pre-PUR polyurethane, reinforced with a copper-coated spring steel wire helix.

**Wall Thickness:** 0.4mm approx.

**Applications:** Suction and transport hose for abrasive materials, e.g. dust, chippings, powder, granules, fibres, etc.

Also suitable for fume extraction, e.g. oil mist, welding fumes and chemical vapours.

- Permanently anti-static wall, <math>10^9\Omega</math>
- Super lightweight, highly flexible
- Flame retardant to DIN 4102-B1 and UL94-HB
- Microbe resistant
- Supplied poly-sleeved in compressed form
- Excellent abrasion resistance
- High tensile strength and tear resistance
- Optimised flow (observe direction of flow arrow)
- Small bend radius
- Good resistance to oil, petrol and chemicals
- Wire spiral reinforcement can be earthed

Use clamp type 212/212EC (refer to page 488).



**Working Temperature:**  
-40°C to +90°C  
**Intermittent to:**  
+125°C approx



### Lightweight, 0.4mm Wall, Flame Retardant, Anti-static, 10 Metres

0392	ID mm	OD mm
301-0038-0000	38	46
301-0050-0000	50	58
301-0065-0000	65	73
301-0075-0000	75	83
301-0100-0000	100	108
301-0125-0000	125	133
301-0150-0000	150	158
301-0160-0000	160	168
301-0200-0000	200	208
301-0225-0000	225	234
301-0250-0000	250	259
301-0300-0000	300	309

Tech Sheet 20017

## PROTAPE PUR 330 AS

Made from premium-grade ester Pre-PUR polyurethane, reinforced with a copper-coated spring steel wire helix.

**Wall Thickness:** 0.6mm approx.

**Applications:** Suction and transport hose for abrasive material, e.g. dust, chippings, powder, granules, fibres, etc.

Also suitable for fume extraction, e.g. oil mist, welding fumes and chemical vapours.

- Permanently anti-static wall, <math>10^9\Omega</math>
- Super lightweight, highly flexible
- High tensile strength and tear resistance
- Flame retardant to DIN 4102-B1 and UL94-HB
- Optimised flow (observe direction of flow arrow)
- Microbe resistant
- Supplied poly-sleeved in compressed form
- Small bend radius
- Good resistance to oil, petrol and chemicals
- Wire spiral reinforcement can be earthed

Use clamp type 212/212EC (refer to page 488).



**Working Temperature:**  
-40°C to +90°C  
**Intermittent to:**  
+125°C



### Light/Medium Weight, 0.6mm Wall, Flame Retardant, Anti-static, 10 Metres

0392	ID mm	OD mm
330-0038-1002	38	45
330-0050-1002	50	58
330-0065-1002	65	73
330-0075-1002	75	83
330-0100-1002	100	108
330-0125-1002	125	133
330-0150-1002	150	158
330-0160-1002	160	168
330-0200-1002	200	208
330-0225-1002	225	233
330-0250-1002	250	258
330-0300-1002	300	309
330-0350-1002	350	359
330-0400-1002	400	409

Tech Sheet 60192

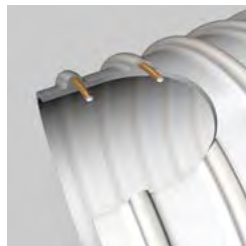
## AIRDUC PUR 350 AS

Made from premium-grade ester Pre-PUR polyurethane, reinforced with a thicker gauge spring steel wire helix.

**Wall Thickness:** 0.7mm approx.

**Applications:** Suction and transport hose for highly abrasive materials, e.g. dust, powder, granules, chippings, pellets, fibres, shot blast recovery, etc. Also suitable for fumes or gaseous media.

- Permanently anti-static wall, <math>10^9\Omega</math>
- Flame retardant to DIN 4102-B1 and UL94-V2
- Microbe resistant
- Excellent abrasion resistance
- High tensile strength and tear resistance
- Smooth bore, optimised flow (observe direction of flow arrow)
- Small bend radius
- Good resistance to oil, petrol and chemicals
- Wire spiral reinforcement can be earthed



**Working Temperature:**  
-40°C to +90°C  
**Intermittent to:** +125°C



### Medium Weight, 0.7mm Wall, Flame Retardant, Anti-static, 10 Metres

0392	ID mm	OD mm
350-0038-1002	38	45
350-0050-1002	50	57
350-0065-1002	65	70
350-0075-1002	75	82
350-0100-1002	100	107
350-0125-1002	125	132
350-0150-1002	150	157
350-0160-1002	160	167
350-0175-1002	175	182
350-0200-1002	200	207
350-0225-1002	225	232
350-0250-1002	250	257
350-0300-1002	300	307

Tech Sheet 60188

Other size and length options are available for all hoses shown here - please enquire.

# HEAVY-DUTY ABRASION-RESISTANT, ANTI-STATIC INDUSTRIAL PUR DUCTING

## AIRDUC PUR 355 AS

Made from premium-grade ester Pre-PUR polyurethane, reinforced with a heavy-duty spring steel wire helix.

**Wall Thickness:** 1.5mm approx.

**Applications:** Suction and transport hose for highly abrasive materials using high flow rates, e.g. powder, granules, chippings, etc.

Also suitable for fumes or gaseous media.

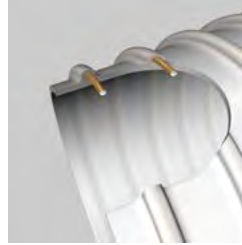
- Permanently anti-static wall, <math><10^9\Omega</math>
- Excellent abrasion resistance
- Flame retardant to DIN 4102-B1 and UL94-V2
- Microbe resistant
- Wire spiral reinforcement can be earthed
- High tensile strength and tear resistance
- Smooth bore, optimised flow (observe direction of flow arrow)
- Good resistance to oil, petrol and chemicals
- Heavyweight, increased pressure and vacuum

Use clamp type 212/212EC, 216 (refer to page 488).

 **Working Temperature:**

-40°C to +90°C

**Intermittent to:** +125°C



### Heavyweight, 1.5mm Wall, Flame Retardant, Anti-static, 10 Metres

0392	ID mm	OD mm
355-0050-0000	50	60
355-0065-0000	65	75
355-0075-0000	75	86
355-0100-0000	100	111
355-0125-0000	125	136
355-0150-0000	150	161
355-0160-0000	160	171
355-0200-0000	200	213
355-0250-0000	250	263
355-0300-0000	300	313

Tech Sheet 10395

Other size and length options are available for all hoses shown here - please enquire.

# FOOD GRADE PUR DUCTING

## PROTAPE PUR 330 FOOD

Made from premium food grade ether Pre-PUR polyurethane, reinforced with a spring steel wire helix.

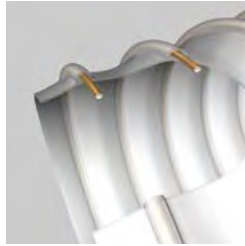
**Wall Thickness:** 0.6mm approx.


**Applications:** Suction and transport hose for abrasive materials including food products e.g. powders, granulates etc.

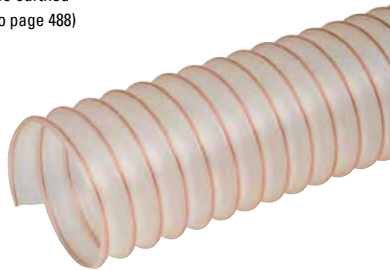
Also suitable for gaseous media and liquids.

- Food grade wall (refer to Tech Sheet for food approvals information)
- Lightweight, high abrasion resistance
- High tensile strength and tear resistance
- Optimised flow (observe direction of flow arrow)
- Small bend radius
- Good resistance to microbes and hydrolysis
- Good resistance to oil, petrol and chemicals
- Wire spiral reinforcement can be earthed

Use clamp type 212/212EC (refer to page 488)



 **Working Temperature:**  
-40°C to +90°C  
**Intermittent to:** +125°C



### Light/Medium Weight, 0.6mm Wall, Food Grade, 10 Metres

0392	ID mm	OD mm
330-0038-0000	38	45
330-0050-0000	50	58
330-0065-0000	65	73
330-0075-0000	75	83
330-0100-0000	100	108
330-0125-0000	125	133
330-0150-0000	150	158
330-0200-0000	200	208

Tech Sheet 60193

## AIRDUC PUR 350 FOOD AS

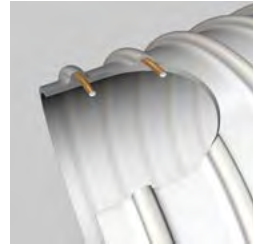
Made from premium food grade ether Pre-PUR polyurethane, reinforced with a spring steel wire helix.

**Wall Thickness:** 0.7mm approx.

**Applications:** Suction and transport hose for abrasive materials including food products, e.g. powders, granulates, seeds, grain, etc. Also suitable for liquid media.

- Food grade wall (refer to Tech Sheet for food approvals information)
- Permanently anti-static wall, <math><10\Omega</math>
- Good resistance to microbes and hydrolysis
- Wire spiral reinforcement can be earthed
- Good resistance to oil, petrol and chemicals
- High tensile strength and tear resistance
- Smooth bore, optimised flow (observe direction of flow arrow)
- Small bend radius
- Excellent low temperature flexibility

Use clamp type 212/212EC/216 (refer to page 488).



 **Working Temperature:**  
-40°C to +90°C  
**Intermittent to:** +125°C



### Medium Weight, 0.7mm Wall, Anti-static, Food Grade, 10 Metres

0392	ID mm	OD mm
350-0038-0000	38	45
350-0050-0000	50	57
350-0065-0000	65	70
350-0075-0000	75	82
350-0100-0000	100	107
350-0125-0000	125	132
350-0150-0000	150	157
350-0160-0000	160	167
350-0175-0000	175	182
350-0200-0000	200	207
350-0225-0000	225	232
350-0250-0000	250	257
350-0300-0000	300	307

Tech Sheet 10394

## AIRDUC PUR 351 FOOD

Made from premium food grade ether Pre-PUR polyurethane, reinforced with a spring steel wire helix.

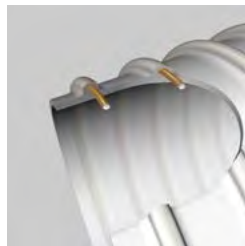
**Wall Thickness:** 1.0mm approx.


**Applications:** Suction and transport hose for abrasive materials including food products, e.g. powders, granulates, seeds, grain, etc.

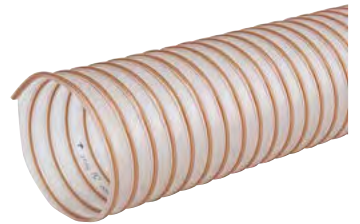
Also suitable for liquid media.

- Food grade wall (refer to Tech Sheet for food approvals information)
- Good resistance to microbes and hydrolysis
- Wire spiral reinforcement can be earthed
- Good resistance to oil, petrol and chemicals
- High tensile strength and tear resistance
- Smooth bore, optimised flow (observe direction of flow arrow)
- Small bend radius
- Excellent low temperature flexibility
- Flame retardant to UL94-HB

Use clamp type 212/212EC (refer to page 488).



 **Working Temperature:**  
-40°C to +90°C  
**Intermittent to:** +125°C



### Medium Weight, 1.0mm Wall, Food Grade, 10 Metres

0392	ID mm	OD mm
351-0038-0000	38	46
351-0050-0000	50	58
351-0065-0000	65	73
351-0075-0000	75	84
351-0100-0000	100	109
351-0125-0000	125	134
351-0150-0000	150	159
351-0175-0000	175	184
351-0200-0000	200	209
351-0250-0000	250	259
351-0300-0000	300	309

Tech Sheet 10405



## BARDUC PVC 381 FOOD

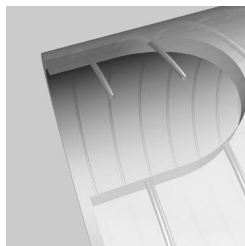
Made from high-grade PVC with smooth exterior and bore, and spring steel wire reinforcement embedded into wall. For use when very high pressure, vacuum or compression resistance is required.

**Applications:** conveying powders, chips and pellets, also gaseous and liquid media, e.g. industrial, agricultural and food.

- Phthalates free
- Wire spiral reinforcement can be earthed
- Smooth bore and exterior
- High axial strength
- Good resistance to chemicals, acids and alkalis
- Food grade wall – refer to Tech Sheet for Food Approvals information

Use clamp type 211 (please enquire).

**Working Temperature:**  
-20°C to +70°C  
**Intermittent to:** +80°C



## AIRDUC PUR 355 FOOD

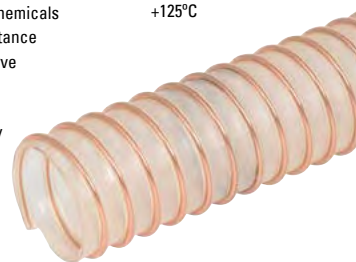
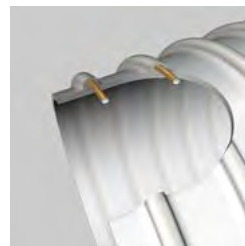
Made from premium-grade ether Pre-PUR polyurethane, reinforced with a spring steel wire helix.

**Wall thickness:** 1.5mm approx.

**Applications:** heavy-duty suction and transport hose for highly abrasive materials including food products, using high flowrates, particularly in food and pharmaceutical sectors, e.g. powders, granulates, grains, seeds, fibres, etc.

- Also suitable for liquid media, as well as fume extraction
- Heavy-duty, reinforced food grade wall (refer to Tech Sheet for food approvals information)
- Flame retardant to UL94-V2
- Good resistance to microbe and hydrolysis
- Wire spiral reinforcement can be earthed
- Good resistance to oil, petrol and chemicals
- High tensile strength and tear resistance
- Smooth bore, optimised flow (observe direction of flow arrow)
- Small bend radius
- Excellent low temperature flexibility

Use clamp type 212/212EC/216 (refer to page 488).



**Working Temperature:**  
-40°C to +90°C  
**Intermittent to:**  
+125°C

### Super Heavy, Vacuum Proof, Clear PVC, Suction & Delivery, 30 Metres

0392	ID mm	OD mm
381-0012-0000	12	18
381-0016-0000	16	22
381-0018-0000	18	24
381-0020-0000	20	27
381-0025-0000	25	32
381-0032-0000	32	40
381-0038-0000	38	46
381-0050-0000	50	59
381-0065-0000	65	76
381-0076-0000	76	88
Tech Sheet 10421		

### Super Heavy, Vacuum Proof, Clear PVC, Suction & Delivery, 20 Metres

0392	ID mm	OD mm
381-0102-0000	102	115
Tech Sheet 10421		

### Heavyweight, 1.5mm Wall, Food Grade, 10 Metres

0392	ID mm	OD mm
355-0038-1001	38	48
355-0050-1001	50	60
355-0065-1001	65	75
355-0075-1001	75	86
355-0100-1001	100	111
355-0125-1001	125	136
355-0150-1001	150	161
355-0180-1001	180	191
355-0200-1001	200	213
355-0250-1001	250	263
355-0300-1001	300	313
Tech Sheet 68735		



# HIGH PERFORMANCE ANTI-STATIC SUCTION & DELIVERY HOSES

## NORPLAST PUR 385 AS

Made from premium-grade anti-static Pre-PUR polyurethane, reinforced with a tough, flexible PVC helix.

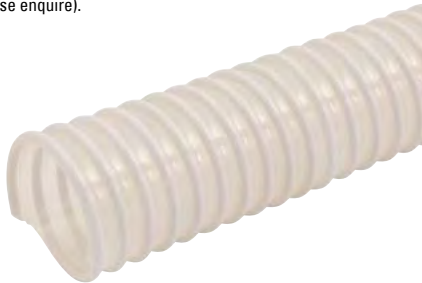
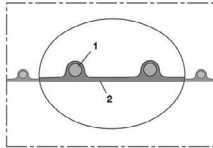
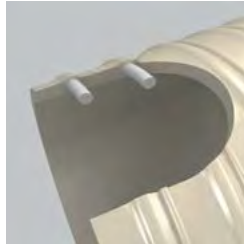
**Applications:** multipurpose suction and delivery hose. For abrasive materials, e.g. dust, powders, granules, fibres and pellets.

Suitable for plastics industries, abrasive recovery, blown insulation, woodworking, etc.

- Gas and liquid tight
- Permanently anti-static wall, <math><10^9\Omega</math>
- Phthalates free
- Lightweight, highly flexible, smooth bore
- Excellent abrasion resistance
- High tensile strength and tear resistance
- Small bend radius
- Good resistance to chemicals
- Flame retardant to DIN 4102-B1

Use clamp type 208/211 (please enquire).

**Working Temperature:**  
 -20°C to +70°C  
**Intermittent to:**  
 +80°C



## NORPLAST PVC 384 AS

Made from high quality anti-static PVC compound, reinforced with a tough, flexible PVC helix.

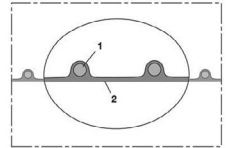
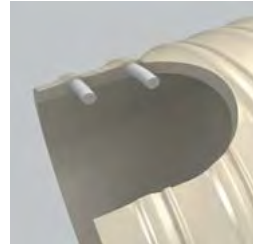
**Applications:** multipurpose suction and delivery hose for abrasive materials, e.g. dust, powders, granules, fibres and pellets.

Suitable for plastics industries, vacuum conveyor systems and hoppers, biomass fuel pellet transfer, etc.

- Gas and liquid tight
- Permanently anti-static wall, <math><10^9\Omega</math>
- Increased working pressure and vacuum rating
- Phthalates free
- Smooth bore
- High axial strength
- Good resistance to chemicals, alkalis and acids

Use clamp type 208/211 (please enquire).

**Working Temperature:**  
 -5°C to +70°C  
**Intermittent to:**  
 +80°C



## Polyurethane, Flame Retardant, Anti-static Suction & Delivery Hose, 10 Metres

0392	ID mm	OD mm
385-0025-0000	25	31
385-0032-0000	32	38
385-0038-0000	38	45
385-0040-0000	40	47
385-0050-0000	50	58
385-0060-0000	60	68
385-0063-0000	63	71
385-0075-0000	75	84
385-0080-0000	80	89
385-0100-0000	100	110
385-0125-0000	125	136
385-0150-0000	150	162

Tech Sheet 20020

## Heavy-duty PVC, Anti-static Suction & Delivery Hose, 25 Metres

0392	ID mm	OD mm
384-0032-0000	32	39
384-0038-0000	38	45
384-0040-0000	40	48
384-0050-0000	50	59
384-0060-0000	60	69
384-0063-0000	63	72
384-0076-0000	76	86
384-0080-0000	80	91

Tech Sheet 20091

Other size and length options are available for all hoses shown here - please enquire.



### Permanently Anti-static

In the past, hoses with an anti-static wall were generally manufactured using an additive that migrated out over time, so that the material's anti-static performance was gradually lost.

Thanks to a unique, innovative material developed by NORRES, we are able to offer hoses and ductings which are genuinely **permanently anti-static**.

These are indicated by 'AS' as a suffix in our product name.






## NORPLAST PVC-C 384 AS

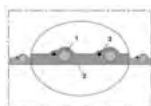
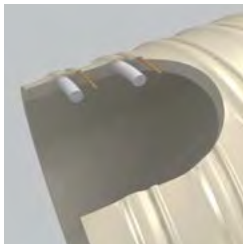
Made from high quality anti-static PVC compound, reinforced with a tough, flexible PVC helix.

**Applications:** multipurpose suction and delivery hose for abrasive materials, e.g. dust, powders, granules, fibres and pellets. Suitable for plastics industries, vacuum conveyor systems and hoppers, biomass fuel pellet transfer, etc.

- Gas and liquid tight
- Permanently anti-static, with earthing wire
- Increased working pressure and vacuum rating
- Phthalates free
- Smooth bore, high axial strength
- Good resistance to UV, ozone, chemicals, alkalis and acids

Use clamp type 208/211 (please enquire).

 **Working Temperature:**  
-5°C to +70°C approx.  
**Intermittent to:** +80°C approx.



### Heavy-duty, Anti-static, PVC Suction & Delivery Hose, Earthing Wire, 25 Metres

0392	ID mm	OD mm
384-0032-2878	32	39
384-0038-2878	38	45
384-0040-2878	40	48
384-0050-2878	50	59
384-0060-2878	60	69
384-0065-2878	65	75
384-0076-2878	76	86
384-0080-2878	80	91

Tech Sheet 20092

### Heavy-duty PVC Suction & Delivery Hose, Copper Earthing Wire, 15 Metres

0392	ID mm	OD mm
384-0100-2878	100	112

Tech Sheet 20092

## HIGH TEMPERATURE NEOPRENE & SILICONE DUCTING


### NEO 1

A premium quality neoprene-coated fabric ducting with cord reinforcement and spring steel helix.

**Applications:** for air movement and fume extraction where extremes of temperature are involved, e.g. plastic granulate dryers and printing machinery.

- High/low temperature range
- Lightweight and highly flexible
- Leak proof and kink proof

Use clamp type 208/211 (please enquire).

 **Working Temperature:**  
-35°C to +135°C  
**Intermittent to:** +150°C



#### Single Ply Neoprene-coated Glass Fabric, 4 Metres

0392	ID mm	OD mm
390-0038-0000	38	42
390-0051-0000	51	55
390-0063-0000	63	67
390-0076-0000	76	80
390-0102-0000	102	106
390-0127-0000	127	132
390-0152-0000	152	157
390-0203-0000	203	208

Tech Sheet 10424


### SIL 2

A premium quality silicone-coated fabric ducting with cord reinforcement and spring steel helix.

**Applications:** for air movement and fume extraction where extremes of temperature are involved, e.g. plastic granulate dryers and printing machinery.

- Extreme temperature range
- Double ply construction to give a higher working pressure
- Lightweight and highly flexible
- Leak proof and kink proof
- Smooth bore

Use clamp type 208/211 (please enquire).

 **Working Temperature:**  
-70°C to +260°C  
**Intermittent to:** +280°C



#### Double Ply Silicone-coated Glass Fabric, Smooth Bore, 4 Metres

0392	ID mm	OD mm
391-0038-2005	38	43
391-0051-2005	51	56
391-0063-2005	63	68
391-0076-2005	76	81
391-0102-2005	102	107
391-0127-2005	127	133
391-0152-2005	152	158
391-0203-2005	203	209

Tech Sheet 10427

Other ID sizes are available in NEO & SIL - please enquire.



# HIGH TEMPERATURE DUCTING

## AIRDUC HT-PUR 351

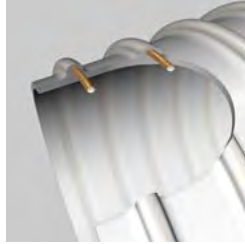
Durable, medium/heavyweight ducting made from special high-temperature Pre-PUR polyurethane, reinforced with a spring steel wire helix.


**Wall Thickness:** 1.0mm approx.

**Applications:** suction and transport hose for hot, abrasive materials, e.g. dust, powder, granules, fibres, liquid and fumes. Suitable for industrial vacuum cleaners, printing machines, blowers, textile and paper industries.

- Excellent abrasion resistance
- Excellent low/high temperature range
- Good resistance to oil, petrol and chemicals
- Wire spiral reinforcement can be earthed
- Smooth bore, optimised flow (observe direction of flow arrow)
- High tensile strength and tear resistance
- Good resistance to UV and ozone

Use clamp type 212/212EC (refer to page 488).



 **Working Temperature:**  
-40°C to +125°C  
**Intermittent to:** +150°C



### Medium/Heavyweight, Black 1mm Wall, Suction & Delivery, 10 Metres

0392	ID mm	OD mm
351-0050-1015	50	58
351-0065-1015	65	73
351-0075-1015	75	84
351-0100-1015	100	109
351-0125-1015	125	134
351-0150-1015	150	159
351-0200-1015	200	209

Tech Sheet 10393

# INDUSTRIAL VACUUM HOSES

## SUPERFLEX PVC 372

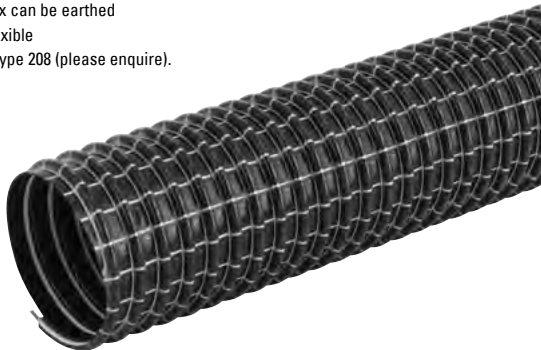
Lightweight suction and blast hose made from high-grade, yarn-reinforced PVC with PVC-coated spring steel wire helix.

**Applications:** Industrial/domestic vacuum cleaners, air movement, drier and weld fume extraction. Suitable for dust, powders, gases and liquids.

- Good resistance to chemicals, alkalis and acids
- Wire helix can be earthed
- Highly flexible

Use clamp type 208 (please enquire).

 **Working Temperature:**  
0°C to +85°C



### Lightweight, Yarn-reinforced PVC, Suction & Blower Hose, 15 Metres

0392	ID mm	OD mm
372-0025-0000	25	31
372-0032-0000	32	38
372-0038-0000	38	44
372-0051-0000	51	57
372-0063-0000	63	69
372-0076-0000	76	82

Tech Sheet 10418


## EVA 373 AS, BLACK

High quality, durable black suction hose made from anti-static EVA.

**Applications:** Industrial/domestic vacuum cleaners and blowing machines for cavity wall insulation.

- Good resistance to alkalis and acids
- Floatable
- Crush-proof
- Permanently anti-static wall, <math>10^{11}</math> $\Omega</math>$

Use clamp type 208 (please enquire).

 **Working Temperature:**  
-45°C to +65°C



### Anti-static Black EVA, Crush-proof Suction Hose, 30 Metres

0392	ID mm	OD mm
373-0032-1002	32	40.4
373-0038-1002	38	47.2
373-0050-1002	50	60.4

Tech Sheet 10417

Other size and length options are available for all hoses shown here - please enquire.

# SPECIALIST CLAMPING EQUIPMENT FOR INDUSTRIAL HOSE & DUCTING

## Worm Drive Bridge Clamp 212



### Offset Bridge Clamp for Wire Helix Ductings (Stainless Steel Band with Zinc Plated Worm Drive)

0392	To Suit Hose ID mm
212-0035-0000	38-44
212-0045-0000	50-55
212-0055-0000	60-65
212-0065-0000	70-75
212-0075-0000	80-85
212-0085-0000	90-95
212-0095-0000	100-105
212-0105-0000	110-115
212-0115-0000	120-127
212-0125-0000	130-135
212-0135-0000	140-145
212-0145-0000	150-155
212-0155-0000	160-165
212-0165-0000	170-175
212-0175-0000	180-185
212-0195-0000	200-205
212-0215-0000	220-225
212-0245-0000	250-255
212-0295-0000	300-305
212-0315-0000	320-325
212-0345-0000	350-355
212-0395-0000	400-405

Tech Sheet 10430

## Earthing Bridge Clamp 212 EC

Screw pin makes secure contact with wire helix without risk of damage to hose. Supplied with copper earth wire.



### Offset Bridge Clamp with Integral Earth Screw Connection (Stainless Steel Band with Zinc Plated Worm Drive)

0392	To Suit Hose ID mm
212-0035-2878	38-45
212-0045-2878	50-55
212-0055-2878	60-65
212-0065-2878	70-75
212-0075-2878	80-85
212-0085-2878	90-95
212-0095-2878	100-105
212-0105-2878	110-115
212-0115-2878	120-127
212-0125-2878	130-135
212-0135-2878	140-145
212-0145-2878	150-155
212-0155-2878	160-165
212-0165-2878	170-175
212-0195-2878	200-205
212-0215-2878	220-225
212-0245-2878	250-255
212-0295-2878	300-305
212-0315-2878	320-325
212-0345-2878	350-355
212-0395-2878	400-405

Tech Sheet 10431

Further sizes are available for all clamps shown here - please enquire.



## Single Ply Silicone Coated Glass Fabric Reinforced with Wire Helix

**Intermittent to:** +280°C

Lightweight, highly flexible, kink proof  
Good chemical resistance

**Applications:**

Hot air for granular dryers  
Air movement and fume extraction at low pressures, and where extremes of temperature are involved.

**Working Temperature:**  
-70°C to +250°C



### 4 Metre Coils

0191	ID mm	Max Pressure Bar	Vacuum Flow mm Water	Bend Radius mm	Kg Per Metre
MASTER-SIL-1-51	51	1.2	4300	16	0.25
MASTER-SIL-1-63	63	1.1	3900	22	0.32
MASTER-SIL-1-76	76	1.1	3400	27	0.41
MASTER-SIL-1-102	102	0.9	2600	35	0.65
MASTER-SIL-1-127	127	0.8	1700	46	0.8
MASTER-SIL-1-152	152	0.7	1400	51	0.99

## PVC Ducting

Ventilation systems, fumes, gases, dust and powder extraction.

**Working Temperature:**  
-20°C to +60°C



### Light-duty, 10 Metre Coils

0191	ID mm	Max Pressure Bar	Bend Radius mm
LDPVC25-10	25	0.14	13
LDPVC32-10	32	0.14	16
LDPVC38-10	38	0.13	20
LDPVC45-10	45	0.11	23
LDPVC51-10	51	0.11	26
LDPVC57-10	57	0.11	28
LDPVC63-10	63	0.09	32
LDPVC76-10	76	0.08	38
LDPVC80-10	80	0.08	38
LDPVC89-10	89	0.06	45
LDPVC102-10	102	0.05	50
LDPVC115-10	115	0.04	58
LDPVC127-10	127	0.04	64
LDPVC152-10	152	0.03	76

### Medium-duty, 10 Metre Coils

0191	ID mm	Max Pressure Bar	Bend Radius mm
MDPVC32-10	32	0.5	32
MDPVC38-10	38	0.5	38
MDPVC45-10	45	0.5	45
MDPVC51-10	51	0.4	50
MDPVC57-10	57	0.4	50
MDPVC63-10	63	0.4	65
MDPVC76-10	76	0.4	75
MDPVC80-10	80	0.4	80
MDPVC89-10	89	0.4	90
MDPVC102-10	102	0.4	102
MDPVC115-10	115	0.4	145
MDPVC127-10	127	0.4	175
MDPVC152-10	152	0.2	190

## Master PVC Flex Lightweight Yarn Reinforced PVC Suction Hose

Lightweight and highly flexible, good abrasion resistance.

**Applications:**

Air movement, dust and fume extraction  
Weld fume extraction  
Particularly suitable for domestic and industrial vacuum cleaners

**Working Temperature:**  
-20°C to +70°C



### Lightweight, 15 Metre Coils

0191	ID mm	Max Pressure Bar	Vacuum Flow mm Water	Bend Radius mm	Kg Per Metre
MASTERPVC-25	25	1.17	2000	25	0.19
MASTERPVC-32	32	1.5	2000	32	0.26
MASTERPVC-38	38	1.4	2000	38	0.32
MASTERPVC-51	51	1.3	1500	51	0.43
MASTERPVC-63	63	1	1400	63	0.51

### Lightweight, 10 Metre Coils

0191	ID mm	Max Pressure Bar	Vacuum Flow mm Water	Bend Radius mm	Kg Per Metre
MASTERPVC-76	76	0.8	1000	76	0.66
MASTERPVC-102	102	0.6	800	102	0.96

## VAC A Crush Resistant Vacuum Cleaner Hose

**Intermittent to:** +70°C

Crush resistant suction and transport hose PE-EVA copolymer crush resistant hose. Good resistance to oil, alkali and acids, UV and ozone-resistant, lightweight and extremely flexible.

**Applications:** Dust extraction, industrial/ domestic vacuum cleaners.

**Working Temperature:**  
-40°C to +60°C

≤ 10" Ω to Din 53482



### 15 Metre Coils


0191	ID mm	Vacuum Flow mm Water	Bend Radius mm	Kg Per Metre
VACA-25	25	5000	65	0.2
VACA-32	32	5000	70	0.22
VACA-38	38	5000	80	0.29
VACA-45	45	5000	90	0.37
VACA-50	50	4000	100	0.42
VACA-63	63	4000	100	0.45



# FIRE HOSE & INSTANTANEOUS FIRE HOSE COUPLINGS

## Ribblelite Plain Fire Hose

- Uncoated hose to BS6391
- Type 1

 **Maximum Working Pressure:** 10 bar



### White Uncoated Hose supplied without Couplings

0108	ID mm	Length Metres
FIRE-FHR4518	45	18
FIRE-FHR4523	45	23
FIRE-FHR4530	45	30
FIRE-FHR6418	64	18
FIRE-FHR6423	64	23
FIRE-FHR6430	64	30

Tech Sheet 20323


### White Uncoated Hose fitted with Light Alloy Instantaneous Couplings, Wired On

0108	ID mm	Length Metres
FIRE-FHR4518LA	45	18
FIRE-FHR4523LA	45	23
FIRE-FHR4530LA	45	30
FIRE-FHR6418LA	64	18
FIRE-FHR6423LA	64	23
FIRE-FHR6430LA	64	30

Tech Sheet 20324

## Ribblelite Coated Fire Hose

- Coated hose to BS6391
- Type 2

 **Maximum Working Pressure:** 10 bar



### Red Coated Hose supplied without Couplings

0108	ID mm	Length Metres
FIRE-FHC4518	45	18
FIRE-FHC4523	45	23
FIRE-FHC6418	64	18
FIRE-FHC6423	64	23
FIRE-FHC6430	64	30

Tech Sheet 20321


### Red Coated Hose fitted with Light Alloy Instantaneous Couplings, Wired On

0108	ID mm	Length Metres
FIRE-FHC4518LA	45	18
FIRE-FHC4523LA	45	23
FIRE-FHC4530LA	45	30
FIRE-FHC6418LA	64	18
FIRE-FHC6423LA	64	23
FIRE-FHC6430LA	64	30

Tech Sheet 20322

## Brigadier Heavy-duty Fire Hose

- Red to BS6391
- Type 3

 **Maximum Working Pressure:** 15 bar



### Red supplied without Couplings

0108	ID mm	Length Metres
FIRE-FHB4518	45	18
FIRE-FHB4523	45	23
FIRE-FHB4530	45	30
FIRE-FHB6418	64	18
FIRE-FHB6423	64	23
FIRE-FHB6430	64	30

Tech Sheet 20319

### Red fitted with Light Alloy Instantaneous Couplings, Wired On

0108	ID mm	Length Metres
FIRE-FHB4518LA	45	18
FIRE-FHB4523LA	45	23
FIRE-FHB6418LA	64	18
FIRE-FHB6423LA	64	23
FIRE-FHB6430LA	64	30

Tech Sheet 20320



# FIRE HOSE & INSTANTANEOUS FIRE HOSE COUPLINGS



## Aquaflex Potable/Drinking Water Hose



### Blue Rubber Covered supplied without Couplings

0108	ID mm	Length Metres
FIRE-FHQ4518	45	18
FIRE-FHQ4523	45	23
FIRE-FHQ6423	64	23
FIRE-FHQ6430	64	30

Tech Sheet 20330

### Blue Rubber Covered fitted with Light Alloy Instantaneous Couplings, Wired On

0108	ID mm	Length Metres
FIRE-FHQ4518LA	45	18
FIRE-FHQ4523LA	45	23
FIRE-FHQ4530LA	45	30
FIRE-FHQ6418LA	64	18
FIRE-FHQ6423LA	64	23
FIRE-FHQ6430LA	64	30

Tech Sheet 20331

## Fire Hose



### Type 1, Uncoated Plain White Canvas B.P.40 bar, Cut to Length, per Metre

0108	ID
FHT12	2"
FHT1212	2.1/2"

Tech Sheet 20326

### Type 2, Lightweight Coated Red B.P.40 bar, Cut to Length, per Metre

0108	ID
FHT22	2"
FHT2212	2.1/2"

Tech Sheet 20327

### Type 3, Rubber Covered Red B.P.50 bar, Cut to Length, per Metre

0108	ID
FHT32	2"

Tech Sheet 20328

## Fire Hose Wire Whipped



### Type 2, complete with Male/Female Couplings - 2.1/2"

0108	Length Metres
FHWT22125	5
FHWT221210	10
FHWT221215	15
FHWT221220	20

Tech Sheet 20329

## Red Fire Hose Nozzles Adjustable

Maximum Working  
Pressure: 10 bar



### Plastic

0108	To Suit Hose ID
FHN34	3/4"
FHN1	1"

## Branchpipes Lever Operated



### Light Alloy

0108	Description
BPLODIN9	DIN Pattern Jet/Spray 9mm
BPLOBP113	British Pattern No.1 Jet/Spray 13mm
BPLOBP219	British Pattern No.2 Jet/Spray 19mm
BPLOWC13	Jet Spray Nozzle c/w Water Curtain 13mm
BPLOWC19	Jet Spray Nozzle c/w Water Curtain 19mm

Tech Sheet 20325

## Instantaneous Branchpipe & Nozzles



### Aluminium Unpolished

0108	Description
BPS212	Standard Branchpipe (2.1/2" inst)
SN012JET	(1/2" Jet) Nozzle Adaptor
SN058JET	(5/8" Jet) Nozzle Adaptor
SN034JET	(3/4" Jet) Nozzle Adaptor
BD212	Diffuser Branchpipe (2.1/2" inst)

Tech Sheet 20200





These reels are designed to provide a controlled water supply to suppress any possible fire risk involving Class A combustible solids.

Either the water mains or water tanks can be utilised to provide the pressurised supply required.

#### Hose Reel Flow Rates:

- 3/4" – 27 lpm
- 1" – 35 lpm

## Fire Hose Reel



### Manual Fixed, Reel Only

0463	To Suit Hose ID mm
FHROMF19	19
FHROMF25	25
Tech Sheet 60138	

### Automatic Fixed, Reel Only

0463	To Suit Hose ID mm
FHROAF19	19
FHROAF25	25
Tech Sheet 60138	

### Manual Swivel, Reel Only

0463	To Suit Hose ID mm
FHROMS19	19
FHROMS25	25
Tech Sheet 60138	

### Automatic Swivel, Reel Only

0463	To Suit Hose ID mm
FHROAS19	19
FHROAS25	25
Tech Sheet 60138	

Manufactured to comply with the stringent requirements set out under BS EN 671-1, the hose reels are extremely durable and offer superb performance to the operative. The side plates are protected with a polyester powder coating that complies with the 240 hour salt spray test requirements specified by ISO 9227.

### ALL REELS COME COMPLETE WITH WALL MOUNTING BRACKETS

## Fire Hose Reel Assembly



### Manual Fixed, with Hose

0463	ID mm	Length Metres
FHRAAF19	19	30
FHRAAF25	25	30
Tech Sheet 60138		

### Automatic Fixed, with Hose

0463	ID mm	Length Metres
FHRAAF19	19	30
FHRAAF25	25	30
Tech Sheet 60138		

### Manual Swivel, with Hose

0463	ID mm	Length Metres
FHRAMS19	19	30
FHRAMS25	25	30
Tech Sheet 60138		

### Automatic Swivel, with Hose

0463	ID mm	Length Metres
FHRAAS19	19	30
FHRAAS25	25	30
Tech Sheet 60138		

## Accessories


**Standards:** EN 694.

**Cover:** Red, ozone and UV resistant, elastomeric rubber/PVC blended.

**Reinforcement:** textile braids.

**Liner:** seamless rubber/PVC.

 **Working Temperature:**  
-20°C to +60°C

 **Maximum Working Pressure:** 12 bar



### Fire Hose

0463	ID mm	Length Metres
FHO1930	19	30
FHO2530	25	30
Tech Sheet 60138		



### Reel Nozzles

0463	To Suit Hose ID mm
FHN1900	19
FHN2500	25
Tech Sheet 60138	



## Retractable Air Hose Reels



**9 Metre Compact Retractable Air Hose Reel, Red Case & Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HR5-309	3/8"	9 + 1	1/4" BSPT M	3/8" or 1/4" BSPT M



**17 Metre Compact Retractable Air Hose Reel, Black Case & Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HR5-315CBKH	3/8"	17	1/4" BSPT M	3/8" or 1/4" BSPT M



**9 Metre Compact Retractable Air Hose Reel, Black Case & Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HR5-309CBH	3/8"	9 + 1	1/4" BSPT M	3/8" or 1/4" BSPT M



**17 Metre Compact Retractable Air Hose Reel, Grey Case & Blue Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HR5-315GCBH	3/8"	17	1/4" BSPT M	3/8" or 1/4" BSPT M



**9 Metre Compact Retractable Air Hose Reel, Grey Case & Blue Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HR5-309GCBH	3/8"	9 + 1	1/4" BSPT M	3/8" or 1/4" BSPT M



**17 Metre Compact Retractable Air Hose Reel, Blue Case & Blue Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HR5-315P	3/8"	17	1/4" BSPT M	3/8" or 1/4" BSPT M



**Retractable Air Hose Reels**

**17 Metre Compact Retractable Air Hose Reel, Red Case & Red Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HR5-315R-R	3/8"	17	1/4" BSPT M	3/8" or 1/4" BSPT M


**17 Metre Compact Retractable Air Hose Reel, Blue Case & Yellow Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HR5-315SF	3/8"	17	1/4" BSPT M	3/8" or 1/4" BSPT M


**17 Metre Compact Retractable Air Hose Reel, Yellow Case & Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HR5-315SF-Y	3/8"	17	1/4" BSPT M	3/8" or 1/4" BSPT M


**20 Metre Retractable Water Hose Reel, Green Case & Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HWR-1220	3/8"	20	Garden Click Connector	Hose Click Connector & Water Gun


**20 Metre Open Frame Retractable Metal Air Hose Reel, Blue Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HA-4615P	3/8"	20	3/8" BSPT M	3/8" or 1/4" BSPT M


**20 Metre Open Frame Retractable Metal Air Hose Reel, Superflex Yellow Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HA-4615PH	3/8"	20	3/8" BSPT M	3/8" or 1/4" BSPT M


**15 Metre Open Frame Retractable Metal Air/Oil Hose Reel, Rubber Hose**

1460	Hose ID	Length Metres	Inlet	Outlet
HA-4615R	1/2"	15	1/2" BSPT M	1/2" BSPT M



## Air/Water Hose Reels



**20 Metre Heavy-duty Retractable  
3/8" Air & Water Hose Reel**

1470	Hose ID	Length Metres	Inlet	Outlet
HR5-320B	3/8" (9.2mm)	20	1/4" BSP Male	1/4" BSP Swivel Male



**20 Metre Heavy-duty 10 bar  
1/2" Water Hose Reel**

1470	Hose ID	Length Metres	Inlet	Outlet
58.10450S	11.5mm (1/2")	20	3/8" BSP Male	Water Gun



**30 Metre Heavy-duty Retractable  
3/8" Air & Water Hose Reel**

1470	Hose ID	Length Metres	Inlet	Outlet
58.30230S	9.2mm (3/8")	30	1/4"	1/4" Swivel



**30 Metre Heavy-duty Retractable  
1/2" Water Hose Reel**

1470	Hose ID	Length Metres	Inlet	Outlet
58.30450S	11.5mm (1/2")	30	1/4" BSP Male	1/4" Swivel Check Unit



**15 Metre Heavy-duty Retractable  
1/2" Air & Water Hose Reel**

1470	Hose ID	Length Metres	Inlet	Outlet
HR8-315B	1/2" (12.5mm)	15	3/8" BSP Male	3/8" BSP Swivel Male




## Reelworks Hose Reels

This compact, spring rewind hose reel is constructed in durable impact-resistant polypropylene. Supplied complete with 15m super flexible hybrid polymer hose, 1.5m inlet hose and integral pivoting wall bracket. The compact size makes this reel ideal for use in smaller workshops where space is limited.

**Features:**

- Supplied with 15m flexible, premium hybrid polymer hose
- Hose has no memory and lays flat when in use
- Integral pivoting wall bracket, swivels through 180°
- Latching of hose at any length
- Latching system can be set to free run if required



 **Maximum Working Temperature:** +60°C

**Automatic Spring Rewind Hose Reels, suitable for Air & Water**

0122	ID	Length Metres	Max Pressure Bar
C2753	1/2"	15	20
C2752	3/8"	15	20

Tech Sheet 68740

**Hi-Vis Safety Reel for Air & Water**

0122	Hose I/D (Inch)	Length Metres
C2782	3/8" (10mm)	15

This multifunctional, hi-vis, safety, spring rewind air hose reel has an automatic rewind system which prevents the hose from bunching when retracting the hose back; the system layers the hose back onto the reel from side to side, neat and tidy every time. The reel is supplied complete with a hybrid polymer hose which lays flat when in use with no recoil effect, and stays flexible even in extremely cold conditions. Manufactured from high impact UV-stabilised polypropylene which makes this reel tough, lightweight, and corrosion free. Two-year limited warranty.

**Features:**

- Automatic guide system – no bunching of hose. Layers hose from side to side, neat and tidy every time
- Slow retraction system – prevents hose from speeding back to the reel if the hose is let go safe operation
- Low tension spring
- Latching of hose at any length

**Hi-Vis, Automatic Spring Rewind Hose Reels, suitable for Air**

0122	ID	Length Metres	Max Pressure Bar
C2783	1/2"	15	20
C2782	3/8"	15	20

Tech Sheet 68739

**RA Series Compact Reel for Air**

0122	Hose ID mm	Length Metres	Inlet/Outlet BSPP
RA100	6	10	1/4"
RA200	8	9	1/4"





## Pathfinder Mini Compact Reel



### Bench Mounting

0122	Hose ID mm	Length Metres
PFS-CDM1	6	8



### Wall Mounting

0122	Hose ID mm	Length Metres
PFS-WDM1	6	8

## A Brand New Concept in Hose Reel Technology

### FEATURES & BENEFITS OF THE CONCEPT:

- Eliminates the use of a fixed guide arm in a wall/ceiling mount position
- Easy to install with no need for post installation adjustments
- Unique, automatic, 90° vertical rotational span
- Covers various mounting positions
- Balanced clock spring produces enough torque to displace the weight of the guide arm
- Allowing the guide arm to move vertically up and down in a smooth, effortless and fully automatic manner
- The roller guide and arm/s will always be directly facing the user, giving total control on payout and retrieval
- Allows the units to be mounted at an increased height
- Removes the possibility of harm to the operator, passing personnel or damage to machinery compared to low-level units
- Roller guide arm returns to its rest position after use
- Sets the reel ready for the next operator

### STANDARD FEATURES:

- Constructed in heavy gauge powder coated steel
- Finished in a durable, white powder coated gloss finish
- Latching of hose at any length
- Fully automatic hose rewind for neat, tidy storage
- Extended roller guide aperture to ease hose stacking
- Externally mounted swivel assemblies
- Viton seals and nylon backup rings as standard
- Low, medium and high pressure applications
- Double supported 1", solid steel axle
- Pathfinder® self-adjusting roller guide arm
- All working parts fully accessible for servicing
- Floor, wall or ceiling mounting options
- Suitable for air, water, oil, diesel and grease delivery
- 2-year manufacturer's warranty
- Swivels 180° through the X axis and 90° through the Y axis
- Supplied as a bare reel, hose to suit application at extra cost



### Low Pressure, Hose Reel Only

0122	ID	Length Metres	Max Pressure Bar
PFS-915L	3/8"	15	20
PFS-920L	3/8"	20	20
PFS-1315L	1/2"	15	20
PFS-1320L	1/2"	20	20

### Medium Pressure, Hose Reel Only

0122	ID	Length Metres	Max Pressure Bar
PFS-915M	3/8"	15	155
PFS-920M	3/8"	20	155
PFS-1315M	1/2"	15	137
PFS-1320M	1/2"	20	137

### High Pressure, Hose Reel Only

0122	ID	Length Metres	Max Pressure Bar
PFS-615H	1/4"	15	344
PFS-915H	3/8"	15	275





## E-Zy Reels

### Features:

- Lightweight and durable, just 12.5kg
- Constructed in high-impact UV-stabilised polypropylene
- Supplied with correct type of hose for specific application
- Fully assembled, includes 3 connecting hose
- Suitable for air or water depending on model



### E-Zy Reel 701/705, Air/Water, BSPT

0122	Length Metres	ID	Thread	Max Pressure Bar
C705-100	10	1/4"	1/4"	12
C705-200	8	5/16"	1/4"	12

## 808 Series Open Frame Reel & Hose for Air/Water



0122	Hose ID	Length Feet/Metres	Inlet/Outlet BSPP
C808-466L	1/2"	66/20	1/2"



0122	Hose ID	Length Feet/Metres	Inlet/Outlet BSPP
C809-325L	3/8"	25/8	3/8"

## Retracta Standard Hose Reels

Redashe Retracta spring rewind hose reels offer performance, reliability and versatility for all popular hose applications. Constructed in high impact UV stabilised polypropylene for all-purpose corrosion free, durability. Retracta reels can be installed indoors or out. They are particularly suited to washdown applications in food processing as an alternative to conventional stainless steel reels. Suitable for wall, floor, bench or overhead installations.

### Features:

- Superior positive latching mechanism allows the reel to be mounted in any position, with latching of the hose at any length
- Tough, corrosion free polypropylene construction
- Lightweight-average just 12kg, easy to install
- Fully automatic hose rewind for neat and tidy storage
- Low rewind tension allows for easy hose "pull out"
- Virtually maintenance free
- Completely serviceable-all parts readily available
- 5 year warranty (conditions apply)
- Safe storage system that keeps hoses off the floor



### Excluding Hose

**Note:** Available for many other applications, with or without hose.



### Cold Wash 40°C, Reinforced PVC Hose

0122	Length Metres	ID mm	Inlet BSPP	Outlet Bare Hose	Max Pressure Bar	Colour
CW100	15	12.5	3/8" Female	Bare End	10	Blue

### Hot Wash 90°C, Reinforced Rubber Hose

0122	Length Metres	ID mm	Inlet BSPP	Outlet BSPP	Max Pressure Bar	Colour
HW100	12	12.5	3/8" Female	3/8" Male	10	Red

### Food Quality Water 95°C, Reinforced Rubber Hose

0122	Length Metres	ID mm	Inlet BSPP	Outlet BSPP	Max Pressure Bar	Colour
FQ100	12	12.5	3/8" Female	1/2" Male	20	Red

### Garden Reel, PVC Hose

0122	Length Metres	ID mm	Inlet BSPP	Outlet	Max Pressure Bar	Colour
DR100	18	12.5	3/4" Male	Blank/Nozzle	7	Green

### Breathing Air (EN139), Reinforced NBR/PVC Hose

0122	Length Metres	ID mm	Inlet BSPP	Outlet BSPP	Max Pressure Bar	Colour
BH100	15	10	3/8" Female	3/8" Male	12	Red

### Compressed Air (16 bar)

0122	Length Metres	ID mm	Outlet BSPP	Working Pressure (bar)
AR100	20	10	1/4"	16
AR200	15	12.5	3/8"	16

# HOSE REELS

## Heavy-duty Hose Reel

**Features:**

- Supplied with 15 metres of food quality hose.
- Heavy gauge 304 stainless steel.
- Designed for harsh corrosive environments.
- Ideal for use in food processing, chemical, offshore & marine applications.



**15 Metres**

0122	Description
CTWA-1315SSH	1/2" x 15m Hose Reel (including 15m Food Quality Hose)

## 820 Series Jet Washer Reel with Hose



0122	Hose ID mm	Length Metres
C820-358	10	15

## RetractaWelding Reels with Hoses



0122	Application	Hose ID mm	Length Metres
HOP200	Oxy-Propane	10	10
HOA200	Oxy-Acetylene	10	10

## 808 Series Welding Reels with Hoses



0122	Application	Hose ID mm	Length Metres
C808-WELD-OP	Oxy-Propane	10	15
C808-WELD-OA	Oxy-Acetylene	10	15

## Safety Cable Reel

**Features:**

- Slow retraction system - prevents hose from speeding back to the reel if the hose is let go - Safe Operation.
- Supplied with 15m of 3 core, 1.5mm<sup>2</sup> cable.
- Integral wall mounting swivel bracket.
- Latching of cable at any length.
- Fitted circuit breaker
- Electricity indicator LED light.
- 1.5m Fitted inlet cable.
- Supplied with fitted UK plug & sockets.
- For indoor use only.



**15 Metre 230V**

0122	Voltage	Cable Length Metres	Amps In/Out
C2681	230V	15	3/10

## E-Zy Reels

**Features:**

- Compact, lightweight design
- Fully automatic spring rewind
- Supplied with 15m of 3 core, 1.5mm cable
- Low effort, easy to use rewind tension
- Fitted inlet cable for connection to supply
- Virtually maintenance free
- Integral wall mounting swivel bracket
- 240V
- Latching of cable at any length



## Electrical Cable Reel

0122
C605-100

## RC25/50 Series



**Compact Electrical Cable Reels 240V**

0122	Cable Length Metres	Cores	Amps In/Out
YRC25	5 + 1	3 x 1.5mm	3/10
YRC50	7 + 1	2 x 1mm	3/10

Hose & Tubing



## Spring Rewind Cable Reels



110V

0122	Cable Length Metres	Voltage	Amps In/Out
YZ6185/IP65	15	110V Max	8/16
YZ7325	15	110V Max	8/16

## Warning Tape Barrier Reels



0122	Tape Length Metres	Colour
YRW81170	16	Yellow/Black
YRW81170R/W	16	Red/White

## Hose Reel for Oil



0122	Length Metres
HR015.12C	15

## Hose Reel for Diesel




0122	Length Metres
HR08.25	8

## E-Zy Reel 208 Series Manual Rewind Hose Reels

### Features:

- Excellent design, constructed from tubular and formed steel, which delivers superior strength and durability
- Corrosion resistant powder-coated finish, black as standard
- Full flow, brass swivel assembly, ensures maximum product delivery
- Suitable for wall, floor or workbench mounting, ideal for mobile vehicle applications and pressure washers
- Spring loaded locking pin prevents the hose from de-reeling
- Only 9.5kg (bare reel)

 **Maximum Working Pressure for Reel:**  
206 bar (3000 psi)



### Hose Reel Only

0122	To Suit	Thread
C208-3-100H	30 Metres x 10mm	3/8"
C208-4-65H	20 Metres x 12.5mm	1/2"

### Hose Reel with Air & Water Hose

0122	Length
C208-3-100H-AW	30 Metres x 10mm
C208-4-65H-AW	20 Metres x 12.5mm


### Hose Reel with Diesel Hose

0122	Length
C208-4-65H-D	20 Metres x 12.5mm

## E-Zy Reel 460 Series Manual Rewind Hose Reels

### Features:

- Designed for industrial applications here longer length of hose are required
- Open hose slot drum design, Oilite self-lubricating bearings
- Spring loaded lock pin prevents hose from de-reeling
- Constructed in heavy gauge powder coated steel
- Full flow swivel joint

 **Maximum Working Pressure for Reel:**  
206 (3,000 psi)



### Hose Reel Only

0122	To Suit	Thread
C460-3-350H	105 Metres x 10mm	3/8"
C460-4-270H	80 Metres x 12.5mm	1/2"

### Features:

- Designed for industrial applications where longer length of hose are required
- Constructed in heavy gauge powder coated steel
- Full flow swivel joint
- Open hose slot drum design, Oilite self-lubricating bearings
- Spring loaded lock pin prevents hose from de-reeling



### Hose Reel with Air & Water Hose

0122	Length
C460-3-350H-AW	105 Metres x 10mm

# HOSE REELS

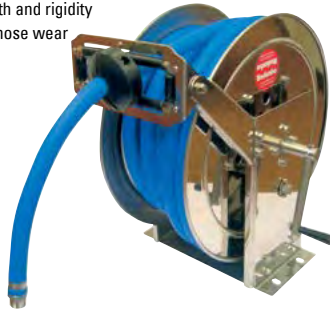


## Compact Stainless Steel Hose Reels

**Features:**

- Heavy gauge 304 grade stainless steel
- Rolled and ribbed side discs for strength and rigidity
- Large four-way roller guide to reduce hose wear
- Floor and wall mounting options
- Smooth and positive crank design
- Supplied as bare reel, hose available at extra cost

**stainless steel**



### CRWM-SS Stainless Steel, Manual Rewind Series, High Capacity, Hose Reel Only

0122	Length Metres	ID	OD	Max Pressure Bar
CRWM-1920SS	20	3/4"	1.1/8"	48
CRWM-2520SS	20	1"	1.1/2"	48

## Stainless Steel Spring Rewind Reels

**Features:**

- Corrosion-resistant powder coating
- Guide arm adjustable handling up to nine positions
- Multi-position ratchet lock
- Spring fully enclosed and lubricated
- Wall, ceiling or floor mounted



### 808 Series, Spring Rewind Hose Reels

0122	Length Metres	ID	Thread	Max Pressure Bar
C808-350L	15	3/8"	3/8"	20
C808-450L	15	1/2"	1/2"	20
C808-350M	15	3/8"	3/8"	155
C808-450M	15	1/2"	1/2"	138

**Features:**

- 304-grade stainless steel construction
- Large four-way roller guide to reduce hose wear
- Supplied as bare reel
- Externally mounted, fully lubricated spring canister
- Externally mounted swivel assembly for easy maintenance
- 2-year manufacturers warranty



### CCRHA-SS Series, Spring Rewind Hose Reels

0122	Length Metres	ID	OD	Max Pressure psi
CCRHA-1320SS	20	1/2"	7/8"	2500
CCRHA-1330SS	30	1/2"	7/8"	2500
CCRHA-1920SS	20	3/4"	1.1/8"	1500
CCRHA-1930SS	30	3/4"	1.1/8"	1500
CCRHA-2520SS	20	1"	1.1/2"	1200

## High Capacity, High Visibility Rewind Hose Reels

**Features:**

- Constructed in heavy gauge mild steel
- Highly visible yellow powder coated finish
- Rolled and ribbed side discs for strength and rigidity
- Large four-way roller guide to reduce hose wear
- Externally mounted spring canister and swivel assembly for easy maintenance
- Floor and wall mounting options
- Capacities up to 30m
- Two-year manufacturer's warranty
- Supplied as bare reel, hose available at extra cost

**Maximum Working Pressure for Reel:**  
Up to 2700 psi (186 bar)



### CRHA Spring Rewind, Air, Oil, Water & Diesel

0122	Length Metres	ID	OD	Max Pressure Bar
CRHA-920	20	3/8"	5/8"	186
CRHA-930	30	3/8"	5/8"	186
CRHA-1320	20	1/2"	7/8"	172
CRHA-1920	20	3/4"	1.1/8"	103
CRHA-1930	30	3/4"	1.1/8"	103
CRHA-2520	20	1"	1.1/2"	82

**Features:**

- Constructed in heavy gauge mild steel
- Highly visible yellow powder-coated finish
- Rolled and ribbed side discs for strength and rigidity
- Large four-way roller guide to reduce hose wear
- Floor or wall mounting options
- Smooth and positive direct crank design
- Capacities up to 40m
- Two-year manufacturer's warranty
- Supplied as bare reel, hose available at extra cost

**Maximum Working Pressure for Reel:**  
700 psi (48 bar)



### CRWM Manual Rewind, Air, Oil, Water & Diesel

0122	Length Metres	ID	OD	Max Pressure Bar
CRWM-1320	20	1/2"	7/8"	48
CRWM-1340	40	1/2"	7/8"	48
CRWM-1920	20	3/4"	1.1/8"	48
CRWM-1940	40	3/4"	1.1/8"	48
CRWM-2520	20	1"	1.1/2"	48
CRWM-2530	30	1"	1.1/2"	48







## Why choose CONAH?

- Reduced wear and damage
- Increased efficiency
- Ease of handling and storage
- Safety first – avoids slips and trips
- Compact units for applications with restricted space
- Build a Reel – bespoke reels built to your specification

## Features:

- Plastic, metal and stainless steel hose reels
- To suit low, medium and high pressure applications, from 12 bar to 270 bar
- All high pressure hose reels are assembled by BFP A trained technicians
- Hose assemblies made to order
- Floor, wall or ceiling mounting options
- Plastic and metal hose reels come complete with anti-locking mechanism



## Air Hose Reel

- Reinforced PU hose
- Tough impact-resistant polypropylene construction
- 180° swivel
- Self-layering hose guide for perfectly even hose rewinding
- Speed-controlled return spring
- Auto-locking mechanism allows easy use of hose at any length
- Lightweight

**Maximum Working Pressure:** 12 bar



### 9 Metre Hose Length

0800	Length Metres	ID	Inlet Thread	Outlet Thread
<b>ZA02-9</b>	9	5/16"	1/4" BSPT	1/4" BSPT

Tech Sheet 10179

## Air & Water Hose Reels

- Reinforced PVC hose
- Tough impact-resistant polypropylene construction
- 180° swivel
- Self-layering hose guide for perfectly even hose rewinding
- Speed-controlled return spring
- Auto-locking mechanism allows easy use of hose at any length
- Carry handle
- Lightweight

**Maximum Working Pressure:** Air: 17 bar



### 15 Metre Hose Length

0800	Length Metres	ID	Inlet Thread	Outlet Thread
<b>ZA05-15</b>	15	3/8"	1/4" BSPT	1/4" BSPT
<b>ZA05-15-38</b>	15	3/8"	3/8" BSPT	3/8" BSPT

Tech Sheet 10179

**Maximum Working Pressure:** Air: 17 bar



### 10 Metre Hose Length

0800	Length Metres	ID	Inlet Thread	Outlet Thread
<b>ZA04-10B</b>	10	3/8"	1/4" BSPT	1/4" BSPT

Tech Sheet 10179

**Maximum Working Pressure:** Air: 17 bar



### 20 Metre Hose Length

0800	Length Metres	ID	Inlet Thread	Outlet Thread
<b>ZA05-20B</b>	20	1/2"	3/8" BSPT	3/8" BSPT
<b>ZA05-20B-12</b>	20	1/2"	1/2" BSPT	1/2" BSPT

Tech Sheet 10179




The connection termination on all CONAH hose reels can be adapted to suit specific requirements. For further details, contact our business development team.



## Air &amp; Water Hi-Vis Hose, Hose Reels




- Hi-vis reinforced PVC hose
- Tough impact resistant polypropylene construction
- 180° swivel
- Self-layering hose guide for perfectly even hose rewinding
- Speed-controlled return spring
- Auto-locking mechanism allows easy use of hose at any length
- Carry handle
- Lightweight

 **Maximum Working Pressure:**  
Air: 17 bar

**10 Metre Hi-Vis Hose Length**

0800	Length Metres	ID	Inlet Thread	Outlet Thread
ZA04-10B-HIVIS	10	3/8"	1/4" BSPT	1/4" BSPT



 **Maximum Working Pressure:**  
Air: 17 bar

**15 Metre Hi-Vis Hose Length**

0800	Length Metres	ID	Inlet Thread	Outlet Thread
ZA05-15-HIVIS	15	3/8"	1/4" BSPT	1/4" BSPT



 **Maximum Working Pressure:**  
Air: 17 bar

**20 Metre Hi-Vis Hose Length**

0800	Length Metres	ID	Inlet Thread	Outlet Thread
ZA05-20B-HIVIS	20	1/2"	3/8" BSPT	3/8" BSPT





## Mountable Steel Air Hose Reel

- Heavy ribbed steel plate to ensure strong support
- Spring located in the middle to ensure stability
- Four direction non-sag rollers to reduce hose wear abrasion

- Adjustable guide arm for multi position mounting
- Special swivel joint for easy maintenance and repair
- Ball bearing swivel joint structure, largely reducing friction

**Maximum Working Pressure:**  
20 bar



### Rubber Air Hose, Spring Rewind, 3/8"

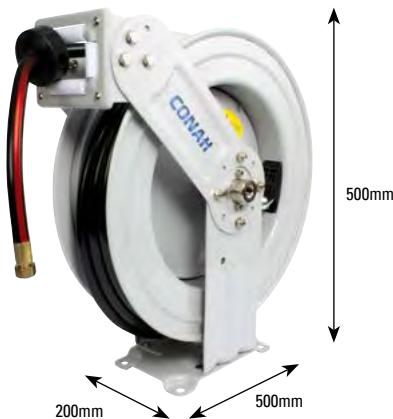
0800	Male Thread	Length Metres	To Suit	Capacity Metres
SAHR-15-38	3/8" BSPT	15	-	-
SAHR-15N-38	-	No Hose	3/8" 1 Wire	15

Tech Sheet 10183

### Hi-Vis, Spring Rewind, 3/8"

0800	Male Thread	Length Metres
SAHR-15-38SHV06T	3/8" BSPT	15

Tech Sheet 10184



### Rubber Tech, Spring Rewind, 1/2"

0800	Female Thread	Length Metres
SAHR-15-38SRT06F	3/8" BSPP	15

Tech Sheet 10188

### Swivel Bracket, to suit SAHR-15-38

0800	To Suit
SAHR-15-38-SB	SAHR-15-38


### Swivel Bracket, to suit SAHR-15-12

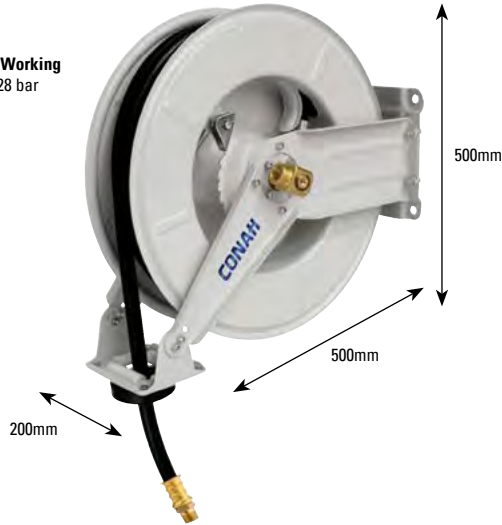
0800	To Suit
SAHR-15-12-SB	SAHR-15-12



## Mountable Steel Air Hose Reel

- Heavy ribbed steel plate to ensure strong support
- Spring located in the middle to ensure stability
- Four direction non-sag rollers to reduce hose wear abrasion

 Maximum Working Pressure: 28 bar



### Rubber Air Hose, Spring Rewind, 1/2"

0800	Male Thread	Length Metres	To Suit	Capacity Metres
SAHR-15-12	1/2" BSPT	15	-	-
SAHR-15N-12	-	No Hose	1/2"	15

Tech Sheet 10185

- Adjustable guide arm for multi position mounting
- Special swivel joint for easy maintenance and repair
- Ball bearing swivel joint structure, largely reducing friction



### Hi-Vis, Spring Rewind, 1/2"

0800	Male Thread	Length Metres
SAHR-20-12SHV06T	3/8" BSPT	20

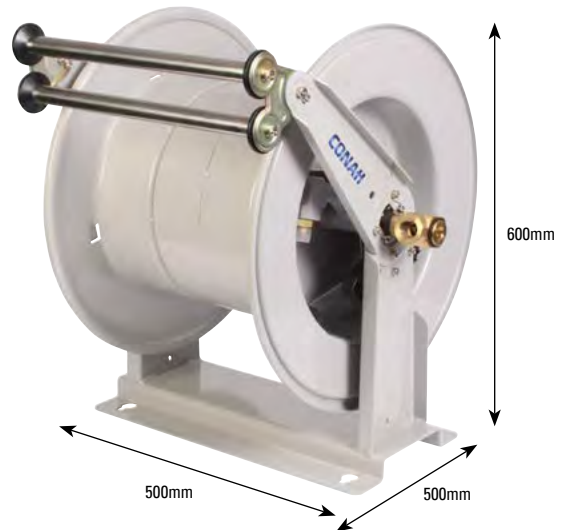
Tech Sheet 10186



### R6, Spring Rewind, 1/2"

0800	Female Thread	Length Metres
SAHR-15-12SR608F	1/2" BSPP	15

Tech Sheet 10187



### Spring Rewind Without Hose, 3/4"

0800	To Suit	Capacity Metres
SAHR-40N-34	3/4" Rubber Hose	40

Tech Sheet 10195

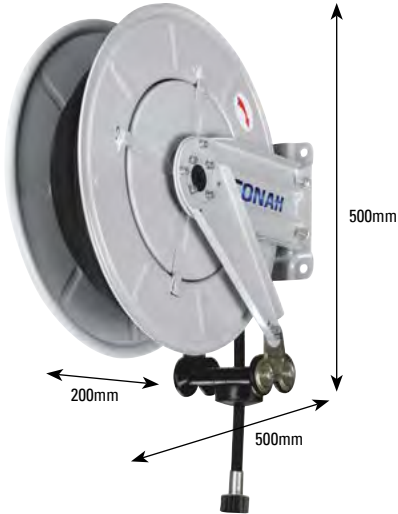


## Mountable High Pressure Water Steel Hose Reels

- Compact for applications with critical space requirement
- Heavy-duty steel construction with corrosion resistant powder coating
- Four direction non-sag rollers to reduce hose wear abrasion
- Multi position ratchet lock and easy tension adjustment

- Spring fully closed and lubricated
- Full flow swivel
- Adjustable guide arm for multi positional mounting

**Maximum Working Pressure: 150 bar**



**Black 1 Wire Pressure Wash, Spring Rewind, 3/8"**

0800	Inlet Thread	Outlet Thread	Length Metres	To Suit	Capacity Metres
SWHR-15-38	3/8" BSP	M22 X 1.5	15	-	-
SWHR-15N-38	-	-	No Hose	3/8" 1 wire	15

Tech Sheet 10189

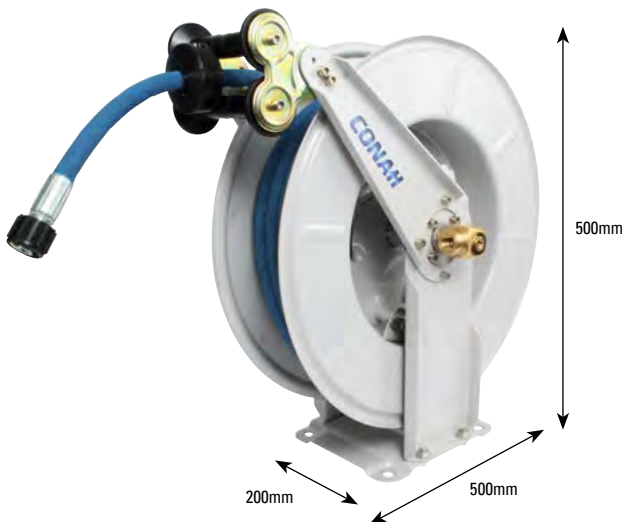
**Maximum Working Pressure: 270 bar**



**Blue 2 Wire Pressure Wash, Manual Rewind, 3/8"**

0800	Female Thread	Length Metres
SWHR-30-38MB222K	M22 x 1.5	30

Tech Sheet 10191



**Blue 1 Wire Pressure Wash, Spring Rewind, 3/8"**

0800	Female Thread	Length Metres
SWHR-15-38SB122K	M22 x 1.5	15

Tech Sheet 10190



**Black 2 Wire Pressure Wash, Manual Rewind, 3/8"**

0800	Female Thread	Length Metres	To Suit	Capacity Metres
SWHR-30-38	M22 x 1.5	30	-	-
SWHR-30N-38	-	No Hose	3/8" 2 Wire	30

Tech Sheet 10192





# Nederman

## SAFE AND REALLY EASY...

### NEDERMAN REELS.

DISCOVER THE BENEFITS OF KEEPING AIR, WATER, ELECTRICAL POWER, LUBRICANTS OR VACUUM CLOSE AT HAND WITH NEDERMAN'S PROVEN RANGE OF SELF-RETRACTING REELS.



### WHY REELS?

- ✓ Reduce wear and damage
- ✓ Ease handling and storage
- ✓ Ensure a clean environment
- ✓ Increase efficiency
- ✓ Safety first – avoids “slips and trips”

### FEATURES:

- Ball bearings for easy operation
- High quality seals
- Optimised to retract evenly
- Factory pre-tensioned
- Easy to mount – wall or ceiling
- Manufactured to meet ISO 9001 and ISO 14001
- Stainless and EX approved options

**COMPREHENSIVE RANGE - OPEN, CLOSED, STAINLESS AND EX**



## Hose Reel, Series H20 & H30

- Safe and functional cable reels for industrial use, professional tradesmen or do-it-yourself workshops
- Snap-on wall bracket
- Unique safety latch
- Drum with ball bearings on both sides
- Degree of protection code, IP55
- Rubber power cable
- Cable easily replaced
- Hose Type A

**Maximum Working Pressure:**  
1.2MPa (12 bar)



### Air

0290	ID	Length Metres	Type
30800230	5/16"	12	With Hose
30800430	3/8"	10	With Hose
Tech Sheet 20365			

**Maximum Working Pressure:**  
1.5MPa (15 bar)

### Air/Water

- Hose Type A

0290	ID	Length Metres	Type
30800220	1/4"	12	With Hose
30800420	5/16"	8	With Hose

## Hose Reel, Series 883

- A fully enclosed and robust, medium sized hose reel. Highly suitable for applications in vehicle repair and maintenance workshops
- Spring tension easily adjustable from the outside
- Fast and easy to service
- Simple hose replacement without dismantling the reel
- Connection hoses are 1 metre long
- Hose Type B



**Maximum Working Pressure:**  
1.5MPa (15 bar)

### Air & Water

0290	ID	Length Metres	Type
30800783	3/8"	15	Without Hose
30800883	3/8"	15	With Hose
30800983	1/2"	10	Without Hose
30801083	1/2"	10	With Hose
Tech Sheet 20366			

**Maximum Working Pressure:**  
7.5MPa (75 bar)

### Oil

- Hose Type I

0290	ID	Length Metres	Type
30801183	1/2"	10	Without Hose
30801283	1/2"	10	With Hose
Tech Sheet 20366			

**Maximum Working Pressure:**  
25MPa (205 bar)

**Maximum Working Temperature:** 150°C

### High Pressure Water

- Hose Type G

0290	ID	Length Metres	Type
30802183	3/8"	13	Without Hose
30802283	3/8"	13	With Hose
Tech Sheet 20366			

**Maximum Working Pressure:**  
35MPa (350 bar)

### Grease

- Hose Type J

0290	ID	Length Metres	Type
30801383	1/4"	15	Without Hose
30801883	1/4"	15	With Hose
Tech Sheet 20366			

Hose Type	Hose Specification	Temp. Range Min °C	Temp. Range Max °C
A	Cover in PVC & inner tube in PUR. Synthetic textile braid.	-10	+60
B	Cover in NBR / PVC & inner tube in NBR. Synthetic textile braid.	-30	+100
D	Cover in NBR / PVC & inner tube in NBR. Synthetic textile braid.	-30	+100
E	Cover in NBR / PVC & inner tube in food grade quality NBR. Synthetic textile braid.	-20	+100
F	Cover in NBR / PVC & inner tube in food grade quality NBR. Synthetic textile braid.	-20	+100
G	Cover & inner tube in synthetic rubber. Single steel braid.	-40	+155
H	Cover & inner tube in synthetic rubber. Single steel braid.	-40	+155
I	Cover & inner tube in SBR based rubber. Single steel braid.	-40	+100
J	Cover & inner tube in synthetic, oil resistant rubber. Double steel braid.	-40	+100
K	Cover & inner tube in rubber. Synthetic textile braid (acc. to EN-559).	-20	+80
L	Corrugated ethyl-vinyl-acetate (EVA). Electrically conductive.	-40	+70
M	Cover in CR & inner tube in NBR. Synthetic textile braid. Electrically conductive.	-30	+80



Hose Reel, Series 884

- Heavy-duty hose reel for long and heavy hoses. Made of epoxy-coated die-cast aluminium. Ball bearings in drum and swivel. Fully protected inner mechanisms
- Strong, durable and highly corrosion resistant
- Smooth hose operation
- Adjustable outlet arm minimises friction
- Connection hoses are 1 metre long
- Hose Type D

**Maximum Working Pressure:**  
1.5MPa (15 bar)



Air & Water

0290	ID	Length Metres	Type
30810284	1/2"	20	With Hose
30817384	1/2"	30	Without Hose
30817484	1/2"	30	With Hose
30810384	3/4"	15	Without Hose
30810484	3/4"	15	With Hose
30810584	1"	10	Without Hose
30810684	1"	10	With Hose

Tech Sheet 20367

- Hose Type E for water-food grade
- Hose Type I for oil



Water - Food Grade & Oil

0290	ID	Length Metres	Type
30812184	3/4"	15	Without Hose
30813384	1"	10	Without Hose

Tech Sheet 20367

**Maximum Working Pressure:**  
5MPa (50 bar)

Diesel

0290	ID	Length Metres	Type
30814584	3/4"	15	Without Hose

Tech Sheet 20367

- Hose Type G

**Maximum Working Pressure:**  
25MPa (250 bar)

**Maximum Working Temperature:** 150°C

High Pressure Water

0290	ID	Length Metres	Type
30811584	3/8"	25	Without Hose
30811684	3/8"	25	With Hose

Tech Sheet 20367

- Hose Type J.

**Maximum Working Pressure:**  
35MPa (350 bar)

Grease

0290	ID	Length Metres	Type
30813284	1/4"	25	With Hose

Tech Sheet 20367

Hose Reel, Series 881

- The vacuum hose reel facilitates the handling of long and heavy vacuum hoses, and provides tidy and safe storage when they are not in use. Keeps hoses out of the way of forklifts and mobile workshop equipment. Separate suspension brackets make mounting of the reel simple and safe
- Antistatic reel and vacuum hose
- Supplied with automatic damper
- Integrated micro-switch
- Delivered without connection hose
- Maximum suction: 45kPa (psi)
- Hose Type L



Vacuum Cleaning

0290	ID	Length Metres	Type
30804981	-	10	Without Hose
30805081	1.1/2"	10	With Hose
30804881	2"	10	With Hose

Tech Sheet 20368

Hose Reel, Series 886 Ex Approved

- Series 886 Ex is a hose reel with large hose capacity for heavy-duty industrial use. It is constructed for environments where high hygiene and corrosion resistance is required. All components are made of stainless steel and conductive composite material. Approved for use in zones 1, 2 and 22 in accordance with ATEX 94/9/EC, equipment group II, category 2G D
- Connection hoses are 1 metre long
- Hose Type M

**Maximum Working Pressure:**  
2.0MPa (20 bar)

stainless steel



Ex Approved

0290	ID	Length Metres	Type
30804886	3/4"	15	With Hose
30804686	1/2"	25	With Hose

Tech Sheet 20369

- Hose Type E.

**Maximum Working Pressure:**  
2.5MPa (25 bar)



Water - Food Grade

0290	ID	Length Metres	Type
30810884	1/2"	20	With Hose
30811284	3/4"	15	With Hose
30811484	1"	10	With Hose

Tech Sheet 20367

- Hose Type I

**Maximum Working Pressure:**  
20m and 30m hose reels 7.5MPa (75 bar)  
10m and 15m hose reels 5.0MPa (50 bar)

Oil

0290	ID	Length Metres	Type
30811784	1/2"	20	Without Hose
30811884	1/2"	20	With Hose
30813584	1/2"	30	Without Hose
30813684	1/2"	30	With Hose
30812284	3/4"	15	With Hose
30813484	1"	10	With Hose

Tech Sheet 20367

# SECTION 8

## Clamps & Clips



- Jubilee Hose Clamps & Clips Range
- JCS Hose Clamps & Clips Range
- C-Cure Hose Clamps & Clips Range
- Ferrules
- Oetiker O Clips
- Mikalor Hose Clamps & Clips Range
- Norma Hose Clamps & Clips Range
- Flamco Pipe Clips & Fixings
- Clamps, Padlocks & Fasteners
- Band-It Steel Strapping Products
- Tie Wraps

Band-It Steel Stapping	552-554	Pipe Clips & Back Plates Imperial, C-Cure	534
Cable Ties	554	Pipe Clips & Back Plates Metric, C-Cure	533
Chains	551	Pipe Clips, Flamco	548
Clip Dispensers, C-Cure	527	Pipe Fixings, C-Cure	536
Clip Dispensers, JCS	522	Pipe Repair Couplings, Norma	545
Clip Dispensers, Jubilee	518	Pipe Saddle Clips	532
Clip Dispensers, Norma	546	Quick Release Band Straps, Jubilee	516
Constant Tension Clamps, C-Cure	525	Quick Release Hose Clamps, C-Cure	524
Ferrules, C-Cure	535	Single Ear Hose Clamps, C-Cure	526
Flamco Pipe Fixings	548-550	Single Ear Hose Clips, Mikalor	542
Handy Packs, C-Cure	531	Single Ear Hose Clips, Oetiker	537-538
Handy Packs, JCS	521-522	Spiral Clamps, C-Cure	524
Handy Packs, Jubilee	517-519	Stainless Steel Hose Clips, JCS	520
Handy Packs, Norma	546	Stainless Steel H.D Clamps, C-Cure	524
Hose Clips, C-Cure	524-536	Stainless Steel Hose Clips, Jubilee	515
Hose Clips, JCS	520-523	Steel Strapping	552-554
Hose Clips, Jubilee	513-519	Super & Supra Clamps, Mikalor	539-540
Hose Clips, Mikalor	539-542	Superclamps, C-Cure	528
Hose Clips, Norma	543-546	Superclamps, Jubilee	514
Multiband, Jubilee	516	Superclamps, Norma	543
Nut & Bolt Clips, C-Cure	527	Superclamps Stainless Steel, C-Cure	528
Nut & Bolt Clips, Jubilee	517	Tie Downs	551
Nylon Cable Ties	554	Tie Wraps	554
Nylon Tie Wraps	554	Tool Clips	530
O Clips, C-Cure	529	Tool Clips, Terry	547
O Clips, Oetiker	537-538	Tool Holders, Terry	547
P Clips, C-Cure	530	Twin Ear Hose Clips, Mikalor	542
P Clips, JCS	523	Twin Ear Hose Clips, Oetiker	538
P Clips, Jubilee	519	U Bolt Clamps, C-Cure	524
P Clips, Norma	546	U Clips, Norma	546
Padlocks	551	Wingspade, C-Cure	526
Pipe Clamps	551	Wingspade, JCS	520
Pipe Clamps Tapped, C-Cure	525	Wingspade, Jubilee	517
Pipe Clamps Tapped, Flamco	549-550		

# CLAMPS & HOSE CLIPS



## Jubilee® Hose Clips

- Precision engineered for quality, Jubilee clips are Kitemark approved to BS 5315:1991 and manufactured under the BS EN ISO 9002 quality system accepted by the British Standards Institution
- The mild steel range is zinc plated for corrosion resistance and the stainless steel range is all 304 (A2) material



stainless steel

### Mild Steel, Zinc Plated

6666	Size No	Min Size mm	Max Size mm
000-MS	000	9.5	12
M00-MS	M00	11	16
00-MS	00	13	20
0-MS	0	16	22
0X-MS	0X	18	25
1A-MS	1A	22	30
1-MS	1	25	35
1X-MS	1X	30	40
1M-MS	1M	32	45
2A-MS	2A	35	50
2-MS	2	40	55
2X-MS	2X	45	60
3-MS	3	55	70
3X-MS	3X	60	80
4-MS	4	70	90
4X-MS	4X	85	100
5-MS	5	90	120
6-MS	6	110	140
6X-MS	6X	120	150
7-MS	7	135	165
7 1/2-MS	7 1/2	158	190
8 1/2-MS	8 1/2	184	216
9 1/2-MS	9 1/2	210	242
10 1/2-MS	10 1/2	235	267
11 1/2-MS	11 1/2	260	292
12 1/2-MS	12 1/2	286	318

Tech Sheet 591

### 304 Stainless Steel

6666	Size No	Min Size mm	Max Size mm
000-SS	000	9.5	12
M00-SS	M00	11	16
00-SS	00	13	20
0-SS	0	16	22
0X-SS	0X	18	25
1A-SS	1A	22	30
1-SS	1	25	35
1X-SS	1X	30	40
1M-SS	1M	32	45
2A-SS	2A	35	50
2-SS	2	40	55
2X-SS	2X	45	60
3-SS	3	55	70
3X-SS	3X	60	80
4-SS	4	70	90
4X-SS	4X	85	100
5-SS	5	90	120
6-SS	6	110	140
6X-SS	6X	120	150
7-SS	7	135	165
7 1/2-SS	7 1/2	158	190
8 1/2-SS	8 1/2	184	216
9 1/2-SS	9 1/2	210	242
10 1/2-SS	10 1/2	235	267
11 1/2-SS	11 1/2	260	292
12 1/2-SS	12 1/2	286	318

Tech Sheet 591

### Boxed Mild Steel, 10 Clips per Box

6666	Size No	Min Size mm	Max Size mm
000-MS-BOX	000	9.5	12
M00-MS-BOX	M00	11	16
00-MS-BOX	00	13	20
0-MS-BOX	0	16	22
0X-MS-BOX	0X	18	25
1A-MS-BOX	1A	22	30
1-MS-BOX	1	25	35
1X-MS-BOX	1X	30	40
1M-MS-BOX	1M	32	45
2A-MS-BOX	2A	35	50
2-MS-BOX	2	40	55
2X-MS-BOX	2X	45	60
3-MS-BOX	3	55	70

Tech Sheet 591

## Jubilee® Clipdrivers



6666	Length mm
2025-3753	95

Tech Sheet 1940



You might also need  
**Brass Hose Tails**  
see **Section 2**



**Braided PVC Hose**  
see **Section 7**







## Jubilee® Superclamps

Jubilee® Superclamps are manufactured in mild steel zinc plated, all 304 stainless steel and all 316 stainless steel and the later are predominantly suitable for applications where high corrosion resistance is required. These powerful clamps are ideal for marine and offshore oil and gas applications, as well as the food and chemical industries.



### Mild Steel, Zinc Plated

6666	Min Size mm	Max Size mm
JSC19	17	19
JSC22	20	22
JSC25	23	25
JSC28	26	28
JSC31	29	31
JSC35	32	35
JSC39	36	39
JSC43	40	43
JSC47	44	47
JSC51	48	51
JSC55	52	55
JSC59	56	59
JSC63	60	63
JSC67	64	67
JSC73	68	73
JSC79	74	79
JSC85	80	85
JSC91	86	91
JSC97	92	97
JSC103	98	103
JSC112	104	112
JSC121	113	121
JSC130	122	130
JSC139	131	139
JSC148	140	148
JSC161	149	161
JSC174	162	174
JSC187	175	187
JSC200	188	200
JSC213	201	213
JSC226	214	226
JSC239	227	239

Tech Sheet 590

These clamps can also be used in place of SAE J1508 type TB or T-Bolt style clamps.

Superclamps are particularly suitable for delivery and suction hoses requiring a very tight seal and agricultural applications, waste water extraction, mining, quarrying or in other sectors where a heavy-duty clamp is required.



stainless steel

### 304 Stainless Steel

6666	Min Size mm	Max Size mm
JSC19SS304	17	19
JSC22SS304	20	22
JSC25SS304	23	25
JSC28SS304	26	28
JSC31SS304	29	31
JSC35SS304	32	35
JSC39SS304	36	39
JSC43SS304	40	43
JSC47SS304	44	47
JSC51SS304	48	51
JSC55SS304	52	55
JSC59SS304	56	59
JSC63SS304	60	63
JSC67SS304	64	67
JSC73SS304	68	73
JSC79SS304	74	79
JSC85SS304	80	85
JSC91SS304	86	91
JSC97SS304	92	97
JSC103SS304	98	103
JSC112SS304	104	112
JSC121SS304	113	121
JSC130SS304	122	130
JSC139SS304	131	139
JSC148SS304	140	148
JSC161SS304	149	161
JSC174SS304	162	174
JSC187SS304	175	187
JSC200SS304	188	200
JSC213SS304	201	213
JSC226SS304	214	226
JSC239SS304	227	239

Tech Sheet 590

- Single nut adjustment
- Smooth band protects hose
- Bridge piece ensures 360° seal
- Solid trunion maximises torque
- Assembly by manual or automatic tools
- Chromium VI free finish on all materials



stainless steel

### 316 Stainless Steel

6666	Min Size mm	Max Size mm
JSC19SS316	17	19
JSC22SS316	20	22
JSC25SS316	23	25
JSC28SS316	26	28
JSC31SS316	29	31
JSC35SS316	32	35
JSC39SS316	36	39
JSC43SS316	40	43
JSC47SS316	44	47
JSC51SS316	48	51
JSC55SS316	52	55
JSC59SS316	56	59
JSC63SS316	60	63
JSC67SS316	64	67
JSC73SS316	68	73
JSC79SS316	74	79
JSC85SS316	80	85
JSC91SS316	86	91
JSC97SS316	92	97
JSC103SS316	98	103
JSC112SS316	104	112
JSC121SS316	113	121
JSC130SS316	122	130
JSC139SS316	131	139
JSC148SS316	140	148
JSC161SS316	149	161
JSC174SS316	162	174
JSC187SS316	175	187
JSC200SS316	188	200
JSC213SS316	201	213
JSC226SS316	214	226
JSC239SS316	227	239

Tech Sheet 590

**JAYMAC**  
Industrial Hose & Accessories

Suction Hoses  
see Section 7



DIN  
3017

SAE  
INTERNATIONAL



# CLAMPS & HOSE CLIPS

## Jubilee® Light Range Clips

With a narrower band than the original Jubilee® clip, this lightweight clip is designed to offer an excellent seal at slightly lower torques.

The Jubilee® Light Range is manufactured to DIN 3017 and, like the original Jubilee® clip, they are continuously threaded to enable extra flexibility when adjusting to the required size.

This clip is most suited to applications where space or weight is restricted and is often used in car and light commercial vehicle applications.



### Mild Steel, Zinc Plated, W1

6666	Min Size mm	Max Size mm
LR022MS	12	22
LR032MS	22	32
LR040MS	25	40
LR050MS	32	50
LR060MS	40	60
LR070MS	50	70
LR080MS	60	80
LR090MS	70	90
LR100MS	80	100
LR110MS	90	110
LR120MS	100	120
LR130MS	110	130
LR140MS	120	140
LR150MS	130	150
LR160MS	140	160
Tech Sheet 60246		



stainless steel



### 304 Stainless Steel, W4

6666	Min Size mm	Max Size mm
LR022SS	12	22
LR032SS	22	32
LR040SS	25	40
LR045SS	30	45
LR050SS	32	50
LR060SS	40	60
LR070SS	50	70
LR080SS	60	80
LR090SS	70	90
LR100SS	80	100
LR110SS	90	110
LR120SS	100	120
LR130SS	110	130
LR140SS	120	140
LR150SS	130	150
LR160SS	140	160
Tech Sheet 60246		

## Jubilee® Stainless Steel High Torque Hose Clips

Jubilee® high torque clips for applications that require additional high levels of tightening torque; twice the tightening torque of standard worm drive clips.

- Recommended tightening torque: 17Nm (150in-lb)
- All stainless steel construction



stainless steel



### Jubilee® 304 Stainless Steel, High Torque Hose Clips

6666	Min Size mm	Max Size mm
JHT35	20	35
JHT40	25	40
JHT45	25	45
JHT50	30	50
JHT70	40	70
JHT80	60	80
JHT95	70	95
JHT100	80	100
JHT120	90	120
JHT140	110	140
JHT160	130	160
JHT180	150	180
JHT200	170	200
JHT220	190	220
JHT240	210	240
JHT260	230	260
JHT280	250	280
JHT300	270	300
JHT320	290	320
JHT340	310	340
JHT360	330	360
JHT380	350	380
JHT400	370	400
JHT420	390	420
JHT440	410	440
JHT480	450	480
JHT500	470	500
Tech Sheet 1941		





# CLAMPS & HOSE CLIPS



## Jubilee® Quick Release Band Straps

Jubilee® quick release straps are used in a wide range of applications where a closed installation requires the clamp to be opened fully for positioning.

Examples include sign fixing, cable retention, repairs and heating, ventilation and air conditioning.



### Mild Steel, Zinc Plated, 11mm Wide

6666	Min Size mm	Max Size mm
CAS050MS	35	50
CAS075MS	45	75
CAS100MS	50	100
CAS120MS	50	120
CAS150MS	50	150
CAS200MS	50	200
CAS225MS	50	225
CAS250MS	50	250
CAS275MS	50	275
CAS300MS	50	300
CAS330MS	50	330
CAS355MS	50	355
CAS380MS	50	380
CAS405MS	50	405
CAS455MS	50	455
CAS505MS	50	505
CAS555MS	50	555
CAS605MS	50	605
CAS710MS	50	710
CAS810MS	50	810
CAS910MS	50	910
CAS965MS	50	965



stainless steel



### 304 Stainless Steel, 7mm Wide

6666	Min Size mm	Max Size mm
FLS050SS	35	50
FLS075SS	45	75
FLS100SS	50	100
FLS120SS	50	120
FLS150SS	50	150
FLS175SS	50	175
FLS200SS	50	200
FLS225SS	50	225
FLS250SS	50	250
FLS275SS	50	275
FLS300SS	50	300
FLS330SS	50	330
FLS355SS	50	355
FLS380SS	50	380
FLS405SS	50	405



stainless steel



### 304 Stainless Steel, 11mm Wide, W4

6666	Min Size mm	Max Size mm
CAS050SS	35	50
CAS075SS	45	75
CAS100SS	50	100
CAS120SS	50	120
CAS150SS	50	150
CAS175SS	50	175
CAS200SS	50	200
CAS225SS	50	225
CAS250SS	50	250
CAS275SS	50	275
CAS300SS	50	300
CAS330SS	50	330
CAS355SS	50	355
CAS380SS	50	380
CAS405SS	50	405
CAS455SS	50	455
CAS505SS	50	505
CAS555SS	50	555
CAS605SS	50	605
CAS710SS	50	710
CAS810SS	50	810
CAS910SS	50	910
CAS965SS	50	965

Tech Sheet 60247

## Jubilee® Multiband

Construct your own fastener – cut to size and choose from a choice of standard slotted screw or captive screw. Banding available in 11mm mild steel zinc-plated or 11mm stainless steel (304).

### 10 Metre Lengths

6666	Band Width mm
2025-3720	11

Tech Sheet 1942



### 30 Metre Lengths

6666	Band Width mm
2025-3738	11

Tech Sheet 1942



### Housing & Screws, 25 Sets, 11mm

6666	2025-3746
------	-----------



### 7mm Stainless Steel 304

6666	Description	Length m/Sets
MB1601	7mm Multiband	25
MB1602	7mm Multiband	50
MB1603	Flip Lock Housing/Screws	25 Sets

### 11mm Mild Steel Zinc Plated

6666	Description	Length m/Sets
MB1705	Housing/Allen Socket Screws	25 Sets
MB1708	11mm Handy Pack	10m + 25 x Housings/ Screws

### 11mm Stainless Steel

6666	Description	Length m/Sets
MB1802	11mm Multiband	30 (m)
MB1803	Housing/Screws	25 Sets
MB1804	Housing/Allen Socket Screws	25 Sets
MB1806	11mm Handy Pack	10m + 25 x Housings/ Screws





# CLAMPS & HOSE CLIPS

## Jubilee® Flexiband

Tool used to apply Jubilee® Flexiband bands and buckles.



### Flexiband Tool

6666
FBT
Tech Sheet 68252

304 stainless steel banding and buckles, used for applications such as sign fixing where the tamper-proof nature of the product is of paramount importance.

stainless steel



## Flexiband Banding, 304 Stainless Steel, 30 Metre Lengths

6666	Band Width mm	Band Thickness mm
FB09B	9	0.65
FB13B	13	0.75
FB16B	16	0.75
FB19B	19	0.75
Tech Sheet 68252		

stainless steel



## Flexiband Buckles, 304 Stainless Steel, Pack of 25

6666	Band Width mm
FB09H	9
FB13H	13
FB16H	16
FB19H	19
Tech Sheet 68252	

## Jubilee® Juniors Nut & Bolt Clips

To suit petrol pipe, heaters and small bore hoses.



### Mild Steel, Zinc Plated

6666	Min Size mm	Max Size mm
NB0709	7	9
NB0810	8	10
NB0911	9	11
NB1012	10	12
NB1113	11	13
NB1214	12	14
NB1315	13	15
NB1416	14	16
NB1517	15	17
NB1618	16	18
Tech Sheet 10310		

## Jubilee® Handy Packs

The most popular sizes of premium brand Jubilee® hose clips, individually boxed and handily packed in their own outer display carton.

Pack consists of ten of each size: 000, M00, 00, 0, OX, 1A, 1, 1X, 1M and 2A.



### Mild Steel, Zinc Plated

6666
HP100MS
Tech Sheet 10584



### 304 Stainless Steel

6666
HP100SS

stainless steel

## Jubilee® Pocket Packs

Never again be caught out without that essential Jubilee® clip to complete the job. The compact container holds a useful selection of clips for all those necessary hose joining applications as well as holding nuts and bolt clips for joining small bore hoses and petrol pipes.

Pack consists of four each of 00, 0, OX, NB0709 and NB1113, and two of each of 1 and 1X.



### Mild Steel, Zinc Plated

6666
PPAUTO

Working Temperature: -50°C to +150°C See data sheet for pack contents



## Pocket Pack, 32 Pieces

6666	Material
PP-MS	Mild Steel
PP-SS	304 Stainless Steel
PP-SS316	316 Stainless Steel
Tech Sheet 60241	



## Jubilee Wingspade

6666	Size mm
WS40	25-40



# CLAMPS & HOSE CLIPS



## Jubilee® Clip Dispensers

These essential dispensers are easily re-stockable and also carries the extremely useful Flexidriver tool for easy adjustment of Jubilee clips. This can be wall mounted or left free standing.

### Contents:

Size	Quantity
000	10
M00	10
00	10
0	10
OX	10
1A	10
1	10
1X	10
1M	10
2A	10
Jubilee	3
Flexidriver®	



### Mild Steel, Zinc Plated

6666  
CD-100MS



### 304 Stainless Steel

6666  
CD-100SS

stainless  
steel

## Jubilee® Workshop Pack

- Assorted Jubilee mild steel clips in a plastic re-usable box

### Contents:

Size	Quantity
000	24
M00	32
00	28
0	13
OX	14
1A	12
1	13
1X	7



### Mild Steel

6666  
HCP143

Tech Sheet 1938

### 304 Stainless Steel

6666  
HCP143SS

Tech Sheet 1938

stainless  
steel

### 316 Stainless Steel

6666  
HCP143SS316

Tech Sheet 1938

stainless  
steel

## Jubilee® Junior Assortment Pack

- 165 Assorted nut and bolt clips (for use on small bore hoses) in a plastic re-usable box

### Contents:

Size	Quantity
07-09mm	25
08-10mm	25
09-11mm	25
10-12mm	30
11-13mm	30
12-14mm	30



### Mild Steel

6666  
JA165

Tech Sheet 1938

### 304 Stainless Steel

6666  
JA165SS

Tech Sheet 1938

stainless  
steel

# CLAMPS & HOSE CLIPS

## Jubilee® P Clips

**Quality assurance:** DIN3016  
**Corrosion resistance:** 72-hour NSS test  
**Material:** mild steel zinc-plated

**Working Temperature:**  
 -50°C to +150°C



**Mild Steel Zinc Plated (W1),  
 EPDM Liner, M5**

6666	Min Size mm
JPC005MS	5
JPC006MS	6
JPC008MS	8
JPC009MS	9
JPC010MS	10
JPC012MS	12
JPC013MS	13
JPC014MS	14
JPC015MS	15
JPC016MS	16
JPC017MS	17
JPC018MS	18
JPC019MS	19
JPC020MS	20
JPC021MS	21
JPC022MS	22
JPC025MS	25
JPC027MS	27
JPC028MS	28
JPC029MS	29
JPC030MS	30
JPC035MS	35
JPC040MS	40
JPC044MS	44

Tech Sheet 60241

**Quality assurance:** DIN3016  
**Corrosion resistance:** 1,000-hour NSS test  
**Material:** 304 stainless steel

**Working Temperature:**  
 -50°C to +150°C



stainless steel



**304 Stainless Steel (W4),  
 EPDM Liner, M6**

6666	Min Size mm
JPC005SS	5
JPC006SS	6
JPC008SS	8
JPC009SS	9
JPC010SS	10
JPC012SS	12
JPC013SS	13
JPC014SS	14
JPC015SS	15
JPC016SS	16
JPC017SS	17
JPC018SS	18
JPC019SS	19
JPC020SS	20
JPC021SS	21
JPC022SS	22
JPC025SS	25
JPC027SS	27
JPC028SS	28
JPC029SS	29
JPC030SS	30
JPC035SS	35
JPC040SS	40
JPC044SS	44

Tech Sheet 60241

## Jubilee® P Clip Kits

Contains 110 x P clips of the most accepted sizes in a versatile, re-usable plastic container suitable for any challenging environment. Jubilee P clips are manufactured from one piece of steel band with an EPDM rubber liner.

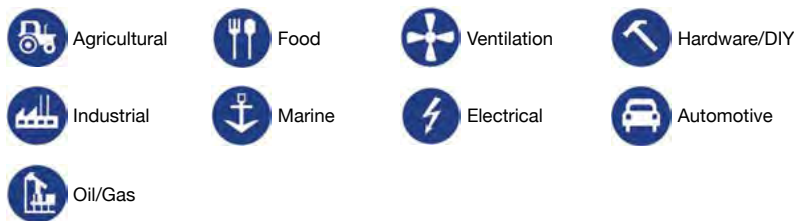


### P Clip Kits

6666	Material
JPCK110MS	Mild Steel
JPCK110SS	304 Stainless Steel

Tech Sheet 60243

### INDUSTRY RECOMMENDED SYMBOLS





# WORM DRIVE HOSE CLAMPS



## Hi-Torque Heavy-duty

### Material:

Band and Housing BS304, Screw Hardened to BS410.

Hi-Torque 18/8 Marine available upon request.

stainless  
steel



5557	Min Size mm	Max Size mm
HT27	20	27
HT30	20	30
HT35	20	35
HT40	25	40
HT45	25	45
HT50	30	50
HT60	40	60
HT65	45	65
HT70	50	70
HT80	60	80
HT90	70	90
HT95	75	95
HT100	80	100
HT120	90	120
HT140	110	140
HT160	130	160
HT180	150	180
HT200	170	200
HT220	190	220
HT240	210	240
HT260	230	260
HT280	250	280
HT320	290	320
HT340	310	340
HT360	330	360
HT380	350	380
HT400	370	400
HT420	390	420
HT440	410	440
HT460	430	460
HT480	450	480
HT500	470	500

## Hi-Grip Worm Drive Hose Clip

### Material:

Mild Steel, Zinc Plated.



### Wing Screw to BS5315

5557	Min Size mm	Max Size mm
510-12	9.5	12
510-16	11	16
510-20	13	20
510-22	14	22
510-25	17	25
510-30	22	30
510-35	25	35
510-40	30	40
510-45	35	45
510-50	35	50
510-55	40	55
510-60	45	60
510-80	60	80

## Hi-Grip WDHC



### Hi-Grip Mild Steel

5557	Min Size mm	Max Size mm
WDHC000	9.5	12
WDHCM00	11	16
WDHC00	13	20
WDHC0	14	22
WDHC0X	17	25
WDHC1A	22	30
WDHC1	25	35
WDHC1X	30	40
WDHC45	35	45
WDHC2A	35	50
WDHC2	40	55
WDHC2X	45	60
WDHC3	50	70
WDHC3X	60	80
WDHC4	70	90
WDHC4X	80	100
WDHC5	90	120
WDHC6	110	140
WDHC7	130	160
WDHC8	150	180
WDHC200	170	200
WDHC220	190	220
WDHC240	210	240
WDHC260	230	260
WDHC280	250	280
WDHC300	270	300

### Hi-Grip Stainless Steel

stainless  
steel

5557	Min Size mm	Max Size mm
WDHC000-SS	9.5	12
WDHCM00-SS	11	16
WDHC00-SS	13	20
WDHC0-SS	14	22
WDHC0X-SS	17	25
WDHC1A-SS	22	30
WDHC1-SS	25	35
WDHC1X-SS	30	40
WDHC45-SS	35	45
WDHC2A-SS	35	50
WDHC2-SS	40	55
WDHC2X-SS	45	60
WDHC3-SS	50	70
WDHC3X-SS	60	80
WDHC4-SS	70	90
WDHC4X-SS	80	100
WDHC5-SS	90	120
WDHC6-SS	110	140
WDHC7-SS	130	160
WDHC180-SS	150	180
WDHC200-SS	170	200
WDHC220-SS	190	220
WDHC240-SS	210	240
WDHC260-SS	230	260
WDHC280-SS	250	280
WDHC300-SS	270	300



For Hi-Vis Air & Water RPVC Hoses  
see Section 7



# CLIP PACKS

## Hi-Grip Mild Steel Assorted Pack

- Size ranging from 12mm up to 50mm



**135 Assorted, Mild Steel Zinc Plated Clips**

5557  
HGZAB1

## Hi-Grip Stainless Steel Assorted Pack

- Size ranging from 12mm up to 50mm

stainless steel



**135 Assorted, 18/8 Marine, Quality BS304 Stainless Steel Clips**

5557  
HGSAB1

## P-Clips Mild Steel Assorted Pack

- **Diameters:** 5mm, 6mm, 8mm, 10mm, 13mm, 16mm, 19mm, 21mm, 25mm, 29mm and 35mm
- Standard Liner:** TPE -30°C to +60°C



**104 Assorted, Mild Steel Zinc Plated Clips**

5557  
PCZRAB1

## P-Clips Stainless Steel Assorted Pack

- **Diameters:** 5mm, 6mm, 8mm, 10mm, 13mm, 16mm, 19mm, 21mm, 25mm, 29mm and 35mm
- Standard Liner:** TPE -30°C to +60°C

stainless steel



**104 Assorted, 18/8 Marine, Quality BS304 Stainless Steel Clips**

5557  
PCSRAB1

## Zinc Plated Mini Clips Assorted Pack

- **Diameter Ranges:** 7mm-9mm, 8mm-10mm, 9mm-11mm, 10mm-12mm, 11mm-13mm, 12mm-14mm, 13mm-15mm, 14mm-16mm, 15mm-17mm, 16-18mm



**157 Assorted, Zinc Plated Mini Clips**

5557  
MCZAB1

## Flexible Driver

Purpose made for all HI-GRIP hose clips with stainless steel shaft and socket.



5557  
DHG2BG

## T-Bar Driver

Suitable for all HI-TORQUE fittings.



5557  
DHT3BG



# COUNTER DISPENSERS



These new counter dispensers are an ideal point of sale unit for the Automotive, Food, Pharmaceutical and Industrial markets.

## Hi-Grip, Zinc Plated

100 Clips sizes:  
12mm - 50mm x 10  
1 x Flexible Driver



### 100 Clip Dispenser

5557  
DISPKZ1

160 Clips sizes:  
12mm - 100mm x 10  
1 x Flexible Driver



### 160 Clip Dispenser

5557  
DISPKZ2

## Hi-Grip, Stainless Steel

100 Clips sizes:  
12mm - 50mm x 10  
1 x Flexible Driver

stainless  
steel



### 100 Clip Dispenser

5557  
DISPKS1

160 Clips sizes:  
12mm - 100mm x 10  
1 x Flexible Driver

stainless  
steel



### 160 Clip Dispenser

5557  
DISPKS2



# CLIPS

## M6 P-Clips, 12mm Band

**Material:**  
Mild Steel, Zinc Plated.  
EPDM Rubber lined.



### Mild Steel, Standard Liner

5557	Min size mm
500-05	5
500-06	6
500-08	8
500-09	9
500-10	10
500-12	12
500-13	13
500-16	16
500-19	19
500-21	21
500-22	22
500-25	25
500-28	28
500-29	29
500-32	32
500-35	35
500-40	40
500-44	44
500-48	48
500-52	52
500-56	56
500-60	60

Tech Sheet 589

**Material:** Mild Steel, Zinc Plated.  
**Standard Liner:**  
TPE -30°C to +60°C High temperature rubber liner.  
TPE 160: -50°C to +160°C.



### Mild Steel, High Temperature Liner

5557	Min Size mm
501-5	5
501-6	6
501-8	8
501-9	9
501-10	10
501-12	12
501-13	13
501-16	16
501-19	19
501-21	21
501-22	22
501-25	25
501-28	28
501-29	29
501-32	32
501-35	35
501-40	40
501-44	44
501-48	48
501-52	52
501-56	56
501-60	60

Tech Sheet 589

## 304 Stainless Steel, P-Clips, 12mm Band

stainless steel



### Stainless Steel, Standard Liner

5557	Min Size mm
500-5SS	5
500-6SS	6
500-8SS	8
500-10SS	10
500-13SS	13
500-16SS	16
500-19SS	19
500-21SS	21
500-22SS	22
500-25SS	25
500-28SS	28
500-29SS	29
500-32SS	32
500-35SS	35
500-40SS	40
500-44SS	44
500-48SS	48
500-52SS	52
500-56SS	56
500-60SS	60

Tech Sheet 589

**Material:** 304 (A2) Stainless Steel. High temperature rubber liner.

TPE 160: -50°C to +160°C.

stainless steel



### Stainless Steel, High Temperature Liner

5557	Min Size mm
501-5SS	5
501-6SS	6
501-8SS	8
501-9SS	9
501-10SS	10
501-12SS	12
501-13SS	13
501-16SS	16
501-19SS	19
501-21SS	21
501-22SS	22
501-25SS	25
501-28SS	28
501-29SS	29
501-32SS	32
501-35SS	35
501-40SS	40
501-44SS	44
501-48SS	48
501-52SS	52
501-56SS	56
501-60SS	60

Tech Sheet 589

## M10 P-Clips, 20mm Band

**Material:** Mild Steel Zinc Plated.  
High temperature rubber liner.  
TPE 160: -50°C to +160°C.



### Mild Steel Zinc Plated, High Temperature Liner

5557	Min Size mm
601-6	6
601-8	8
601-10	10
601-13	13
601-16	16
601-19	19
601-22	22
601-25	25
601-28	28
601-32	32
601-36	36
601-40	40
601-44	44
601-48	48
601-52	52

Tech Sheet 589

**Material:** Stainless Steel (BS304).  
High temperature rubber liner.  
TPE 160: -50°C to +160°C.

stainless steel



### Stainless Steel, High Temperature Liner

5557	Min Size mm
601-6SS	6
601-8SS	8
601-10SS	10
601-13SS	13
601-16SS	16
601-19SS	19
601-22SS	22
601-25SS	25
601-28SS	28
601-32SS	32
601-36SS	36
601-40SS	40
601-44SS	44
601-48SS	48
601-52SS	52

Tech Sheet 589

# WORM DRIVE HOSE CLAMPS & U BOLTS



## Tri-torque Heavy-duty Clamps, 16mm Band

stainless steel



### Stainless Steel

5559	Min Size mm	Max Size mm
T850-175	25	44
T850-200	32	54
T850-250	44	67
T850-300	57	80
T850-350	70	92
T850-400	83	105
T850-450	95	117
T850-500	108	130
T850-550	121	143
T850-600	133	156
T850-650	146	168
T850-700	159	181
T850-750	172	194
T850-800	184	206
T850-850	197	219
T850-900	210	232

Tech Sheet 20462

## Quick Release Hose Clamps, 12.7mm Band

stainless steel



### Stainless Steel

5559	Min Size mm	Max Size mm
G76028	25	57
G76036	25	70
G76048	38	89
G76056	25	101
G76072	51	127
G76088	52	152
G76104	45	177
G76128	45	217
G76152	50	254
G76188	52	312
G76216	258	355
G76248	45	406
G76280	361	457
G76312	355	508
G76344	45	559

Tech Sheet 20460

## Spiral Wrap Hose Clamps

Designed for spiral ducting hose, this clamp is unique to the market. It always has two points of contact, making it an ideal clamp for this style of hose.



### Right Hand (Clockwise) Wound

5559	ID mm
SWCRT-2	50
SWCRT-3	75
SWCRT-4	100
SWCRT-5	125
SWCRT-6	150

Tech Sheet 67958

### Left Hand (Anticlockwise) Wound

5559	ID mm
SWCLT-2	50
SWCLT-3	75
SWCLT-4	100
SWCLT-5	125
SWCLT-6	150

Tech Sheet 67958

## Spiral Clamps



### Right Hand (Clockwise) Wound

5555	ID
SCR-112	1.1/2"
SCR-2	2"
SCR-212	2.1/2"
SCR-3	3"
SCR-4	4"
SCR-5	5"
SCR-6	6"
SCR-12	12"

### Left Hand (Anticlockwise) Wound

5555	ID
SCL-2	2"
SCL-212	2.1/2"
SCL-3	3"
SCL-4	4"
SCL-5	5"
SCL-8	8"

## U Bolt Clamps



### Complete with Saddle, Mild Steel

5559	To Suit Tube OD mm
U780280	28
U780320	32
U780350	35
U780380	38
U780410	41
U780430	43
U780450	45
U780480	48
U780510	51
U780540	54
U780580	58
U780600	60
U780640	64
U780670	67
U780700	70
U780750	75
U780770	77
U780790	79
U780800	80
U780830	83
U780890	89
U780920	92
U780950	95
U781000	100
U781020	102
U781100	110
U781200	120
U781250	125

Tech Sheet 20463



## Pipe Clamps



### Unlined, M8/M10/M12

5555	Bore Size mm	Thread
APPC20	20-25	M10
APPC31	31-38	M10
APPC40	40-46	M10
APPC52	52-56	M8
APPC57	57-62	M10
APPC63	63-66	M10
APPC67	67-71	M10
APPC72	72-75	M10
APPC76	76-81	M10
APPC89	89-94	M10
APPC95	95-102	M10
APPC108	108-117	M10
APPC176	176-182	M12

### Unlined Duel M8/M10 Thread

5555	Bore Size mm	Thread
ULC15/19	15-19	M8/M10
ULC20/25	20-25	M8/M10
ULC32/36	32-36	M8/M10
ULC38/43	38-43	M8/M10
ULC47/51	47-51	M8/M10
ULC60/64	60-64	M8/M10
ULC99/105	99-105	M8/M10
ULC113/118	113-118	M8/M10
ULC159/166	159-166	M8/M10
ULC199/212	199-212	M8/M10

Fire resistance- Class B2  
Insulating Lining According to DIN4109  
Max Recommended Load- 200Kg

Working Temperature:  
-40°C to +100°C



### EPDM Rubber Lined, M8/M10

5559	Bore Size mm	Thread
APIPC14	15-19	M10
APIPC20	20-24	M8
APIPC26	23-28	M10
APIPC32	31-36	M10
APIPC40	38-44	M10
APIPC48	44-50	M10
APIPC54	54-58	M10
APIPC58	59-65	M8
APIPC68	62-67	M10
APIPC72	74-80	M10
APIPC88	83-93	M10
APIPC108	107-113	M10
APIPC112	108-118	M10
APIPC137	133-143	M10
APIPC159	159-169	M10

Tech Sheet 20406

### EPDM Rubber Lined Duel M8/M10 Thread

5555	Bore Size mm	Thread
RLC12/15	12-15	M8/M10
RLC15/19	15-19	M8/M10
RLC20/25	20-25	M8/M10
RLC26/30	26-30	M8/M10
RLC32/36	32-36	M8/M10
RLC38/43	38-43	M8/M10
RLC47/51	47-51	M8/M10
RLC53/58	53-58	M8/M10
RLC60/64	60-64	M8/M10
RLC67/72	67-72	M8/M10
RLC75/80	75-80	M8/M10
RLC81/86	81-86	M8/M10
RLC87/92	87-92	M8/M10
RLC99/105	99-105	M8/M10
RLC107/112	107-112	M8/M10
RLC113/118	113-118	M8/M10
RLC125/130	125-130	M8/M10
RLC132/137	132-137	M8/M10
RLC148/152	148-152	M8/M10
RLC159/166	159-166	M8/M10
RLC168/175	168-175	M8/M10
RLC215/225	215-225	M8/M10

Tech Sheet 20406

Fire resistance- Class B2  
Insulating Lining According to DIN4109



### Rapid EPDM Rubber Lined, M8/M10

5559	Bore Size mm
APRC13	12-16
APRC20	20-23
APRC25	26-30

stainless steel



### Swivel Hanger

5555	Thread
APSHM10	M10
APSWM12	M12

Tech Sheet 20751

## Constant Tension Clamps



### 304 Stainless Steel, 15.8mm Band Width

5555	Min Size mm	Max Size mm
CTC25-45	25	45
CTC32-54	32	54
CTC45-67	45	67
CTC57-79	57	79
CTC70-92	70	92
CTC83-105	83	105
CTC95-117	95	117
CTC108-130	108	130
CTC121-143	121	143
CTC133-155	133	155
CTC146-168	146	168
CTC159-181	159	181
CTC172-193	172	193
CTC184-206	184	206
CTC197-219	197	219
CTC210-232	210	232

Tech Sheet 20409





## Easy Grip Hose Clamp



### Steel, 9mm Band Width

5555	Min Size mm	Max Size mm
EGHC8-12	8	12
EGHC10-16	10	16
EGHC12-20	12	20
EGHC16-25	16	25
EGHC20-32	20	32
EGHC25-40	25	40
EGHC32-50	32	50
EGHC35-45	35	45
EGHC40-60	40	60
EGHC50-70	50	70
EGHC60-80	60	80
EGHC70-90	70	90
EGHC80-100	80	100
Tech Sheet 20410		

## Single Ear Hose Clamp

stainless steel



### Stainless Steel, 5mm Band Width

5555	Min Size mm	Max Size mm
SEHC6.5	5	6.5
SEHC7	5.8	7
SEHC8	6.8	8
SEHC8.7	7	8.7
SEHC9.5	7.8	9.5
SEHC10.5	8.8	10.5
Tech Sheet 20411		



### Stainless Steel, 7mm Band Width

5555	Min Size mm	Max Size mm
SEHC11.3	9.6	11.3
SEHC11.9	10.2	11.9
SEHC12.3	10.6	12.3
SEHC13.3	10.8	13.3
SEHC14	11.5	14
SEHC14.5	12	14.5
SEHC15.3	12.8	15.3
SEHC16.2	13.7	16.2
SEHC17.5	15	17.5
SEHC18.5	15.3	18.5
SEHC19.2	16	19.2
SEHC22.6	19.4	22.6
SEHC23.5	20.4	23.6
SEHC24.1	20.9	24.1
SEHC27.1	23.9	27.1
SEHC32.1	28.9	32.1
SEHC34.6	31.4	34.6
SEHC41	37.8	41
SEHC42.5	39.3	42.5
SEHC44	40.8	44
SEHC51.5	48.3	51.5
SEHC63.5	60.3	63.5
Tech Sheet 20412		





# WORM DRIVE HOSE CLAMPS

## Wall Dispenser & Hose Clamps

Code	Description	QTY
HC-YDS	Wall Dispenser Only (for Hose Clamps)	1
HC8-12	8-12mm Hose Clamps	12
HC10-16	10-16mm Hose Clamps	12
HC12-20	12-20mm Hose Clamps	12
HC16-25	16-25mm Hose Clamps	12
HC20-32	20-32mm Hose Clamps	12
HC25-40	25-40mm Hose Clamps	12
HC32-50	32-50mm Hose Clamps	12
HC35-45	35-45mm Hose Clamps	12
HC40-60	40-60mm Hose Clamps	12
HC50-70	50-70mm Hose Clamps	12
HC60-80	60-80mm Hose Clamps	9
HC70-90	70-90mm Hose Clamps	9
HC1	Flexible Worm Drive Screwdriver	1



**Material:** Band and Housing: AISI 430 stainless steel.  
Screw: V6 free plated carbon steel.

5555  
HC-DS

## Hi-grip Mini Clamps

For fuel pipes and small hoses.

stainless steel



### Mild Steel

5559	Min Size mm	Max Size mm
505-9	7	9
505-10	8	10
505-11	9	11
505-12	10	12
505-13	11	13
505-14	12	14
505-15	13	15
505-16	14	16
505-17	15	17
505-18	16	18

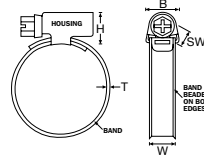
Tech Sheet 20459

### Stainless Steel

5559	Min Size mm	Max Size mm
505-9SS	7	9
505-10SS	8	10
505-11SS	9	11
505-12SS	10	12
505-13SS	11	13
505-14SS	12	14
505-15SS	13	15
505-16SS	14	16
505-17SS	15	17
505-18SS	16	18

Tech Sheet 20459

## Hose Clamps



**Material:** Band and Housing: AISI 430 stainless steel.  
Screw: V6 free plated carbon steel.

Dimensions:	9mm Band Width	12mm Band Width
Band Width (W):	9mm	12mm
Band Thickness (T):	0.6mm	0.7mm
Housing Width (B):	12mm	15mm
Housing Height (H):	11mm	11mm
Width across flats (SW):	7mm	7mm

### 9mm Band Width

5555	Min Size mm	Max Size mm	Size Ref
HC8-12	8	12	000
HC10-16	10	16	M00
HC12-20	12	20	00
HC16-25	16	25	0X
HC20-32	20	32	1A
HC25-40	25	40	1
HC32-50	32	50	2A
HC35-45	35	45	-
HC40-60	40	60	2

Tech Sheet 20401

### 12mm Band Width

5555	Min Size mm	Max Size mm	Size Ref
HC50-70	50	70	3
HC60-80	60	80	3X
HC70-90	70	90	4
HC80-100	80	100	4X
HC90-110	90	110	-
HC100-120	100	120	5
HC110-130	110	130	-
HC120-140	120	140	6 and 6X
HC130-150	130	150	-
HC140-160	140	160	7

Tech Sheet 20401

## All Stainless Steel Worm Drive Hose Clamps

stainless steel

304 stainless steel.



### All Stainless Steel Worm Drive Hose Clamps

5555	Band Width	Min Size mm	Max Size mm
HCS12	9	8	12
HCS16	9	10	16
HCS20	9	12	20
HCS25	9	16	25
HCS32	9	20	32
HCS40	9	25	40
HCS50	9	32	50
HCS60	9	40	60
HCS70	9	50	70

Tech Sheet 20402





## Heavy-duty Steel Hose Clamps



## Zinc Yellow Plated

5555	Min Size mm	Max Size mm
HDSHS-1719	17	19
HDSHS-2022	20	22
HDSHS-2325	23	25
HDSHS-2628	26	28
HDSHS-2931	29	31
HDSHS-3235	32	35
HDSHS-3639	36	39
HDSHS-4043	40	43
HDSHS-4447	44	47
HDSHS-4851	48	51
HDSHS-5255	52	55
HDSHS-5659	56	59
HDSHS-6063	60	63
HDSHS-6467	64	67
HDSHS-6873	68	73
HDSHS-7479	74	79
HDSHS-8085	80	85
HDSHS-8691	86	91
HDSHS-9297	92	97
HDSHS-98103	98	103
HDSHS-104112	104	112
HDSHS-113121	113	121
HDSHS-122130	122	130
HDSHS-131139	131	139
HDSHS-140148	140	148
HDSHS-149161	149	161
HDSHS-162174	162	174
HDSHS-175187	175	187
HDSHS-188200	188	200
HDSHS-201213	201	213
HDSHS-214226	214	226
HDSHS-227239	227	239
HDSHS-240252	240	252

Tech Sheet 20403

## Stainless Steel Superior Clamps

Grade 304 Stainless Steel Band,  
Housing & Screw

5555	Min Size mm	Max Size mm
SHC17-19	17	19
SHC20-22	20	22
SHC23-25	23	25
SHC26-28	26	28
SHC29-31	29	31
SHC32-35	32	35
SHC36-39	36	39
SHC40-43	40	43
SHC44-47	44	47
SHC48-51	48	51
SHC52-55	52	55
SHC56-59	56	59
SHC60-63	60	63
SHC64-67	64	67
SHC68-73	68	73
SHC74-79	74	79
SHC80-85	80	85
SHC86-91	86	91
SHC92-97	92	97
SHC98-103	98	103
SHC104-112	104	112
SHC113-121	113	121
SHC122-130	122	130
SHC131-139	131	139
SHC140-148	140	148
SHC149-161	149	161
SHC162-174	162	174
SHC175-187	175	187
SHC188-200	188	200
SHC201-213	201	213
SHC214-226	214	226
SHC227-239	227	239
SHC240-252	240	252

Tech Sheet 20405

AIR-PRO



You might also need  
**Brass Hose Tails**  
see **Section 2**

AIR-PRO



**Braided PVC Hose**  
see **Section 7**



# O CLIPS

## O Clips



### Mild Steel

5559	Nominal Size	Min Size mm	Max Size mm
N05-7	1/4"	5	7
N07-9	5/16"	7	9
N08-11	3/8"	8	11
N09-11	7/16"	9	11
N09-12	7/16"	9	12
N011-13	1/2"	11	13
N013-15	9/16"	13	15
N014-17	19/32"	14	17
N015-18	5/8"	15	18
N017-20	3/4"	17	20
N019-22	13/16"	19	21
N020-23	7/8"	20	23
N022-25	15/16"	22	25
N023-26	1"	23	26
N023-27	1"	23	27
N025-28	1.1/16"	25	28
N028-31	1.3/16"	28	31
N031-34	1.5/16"	31	34
N034-37	1.7/16"	34	37
N037-40	1.1/2"	37	40
N040-43	1.5/8"	40	43
N043-46	1.3/4"	43	46

Tech Sheet 588

## Single Ear O Clips



### Mild Steel

5559	Min Size mm	Max Size mm
2019-1080	7	9
2019-1084	8	10
2019-1086	8	11
2019-1090	9	11
2019-1094	9	12
2019-1093	11	13
2019-1094	12	14
2019-1096	14	16
2019-1098	16	18

## Snap Clip, Acetal



1050	Min Size mm	Max Size mm
PC8-10	8	10
PC10-12	10	12
PC11-13	11	13
PC13-15	13	15
PC14-16	14	16
PC15-17	15	17
PC16-18	16	18
PC17-19	17	19
PC18-20	18	20
PC21-23	21	23
PC23-25	23	25
PC26-28	26	28
PC30-32	30	32
PC44-46	44	46

## Nylorack Tube Clips



### Imperial/Metric

5559	OD	No of Tubes
N6/1	3/16" (4mm)	1
N8/1	1/4" (6mm)	1
N10/1	5/16" (8mm)	1
N12/1	3/8" (10mm)	1
N16/1	1/2" (12mm)	1
N6/2	3/16" (4mm)	2
N8/2	1/4" (6mm)	2
N10/2	5/16" (8mm)	2
N12/2	3/8" (10mm)	2
N16/2	1/2" (12mm)	2
N6/3	3/16" (4mm)	3
N8/3	1/4" (6mm)	3
N10/3	5/16" (8mm)	3
N12/3	3/8" (10mm)	3
N6/4	3/16" (4mm)	4
N8/4	1/4" (6mm)	4
N6/5	3/16" (4mm)	5
N12/5	3/8" (10mm)	5
N8/10	1/4" (6mm)	10

## O Clip Pliers



5555
OP1



### Clip Tools

6666	Function
P1099	Side Closing



## P-clips, 12.7mm Band, M6 Fixing Hole



stainless steel



## Mild Steel, EPDM Liner

5559	Min Size mm
A980045	4
A980050	5
A980060	6
A980080	8
A980090	9
A980100	10
A980110	11
A980120	12
A980130	13
A980140	14
A980150	15
A980160	16
A980180	18
A980190	19
A980200	20
A980210	21
A980220	22
A980230	23
A980240	24
A980250	25
A980270	27
A980280	28
A980290	29
A980300	30
A980320	32
A980330	33
A980350	35
A980380	38
A980400	40
A980420	42
A980440	44
A980470	47
A980480	48
A980500	50
A980520	52
A980530	53
A980540	54
A980550	55
A980560	56
A980600	60
A980640	64
A980700	70

Tech Sheet 20458

## Stainless Steel, EPDM Liner

5559	Min Size mm
D980050	5
D980060	6
D980080	8
D980090	9
D980100	10
D980120	12
D980130	13
D980140	14
D980160	16
D980180	18
D980200	20
D980210	21
D980220	22
D980250	25
D980280	28
D980300	30
D980320	32
D980340	34
D980380	38
D980400	40
D980440	44
D980480	48
D980500	50
D980520	52
D980550	55
D980560	56
D980570	57
D980600	60
D980660	66
D980700	70
D980800	80
D981000	100
D981100	110

Tech Sheet 20458

## Tool Clips



## Narrow Base

5559	Dia mm
A270060	6
A270100	10
A270120	12
A270160	16
A270200	20
A270250	25
A270280	28
A270320	32
A270380	38
A270450	45
A270500	50
A270630	63

Tech Sheet 20461



## Wide Base

5559	Dia mm
A280060	6
A280100	10
A280120	12
A280160	16
A280200	20
A280250	25
A280280	28
A280320	32
A280380	38
A280500	50

Tech Sheet 20461



## Assorted Kits

### Contents:

Size	Quantity
8-12mm	14
10-16mm	10
12-22mm	10
16-27mm	8
20-32mm	7
25-40mm	6



### Hose Clamps

5559	Material
HC-KIT-MS	Mild Steel
HC-KIT-SS	Stainless Steel
Tech Sheet 20468	

### Contents:

Size	Quantity
7-9mm	21
8-10mm	20
9-11mm	15
10-12mm	15
11-13mm	14
12-14mm	8
13-15mm	10
15-17mm	7
16-18mm	6



### Mini Hose Clamps

5559	Material
HCMINI-KIT-MS	Mild Steel
HCMINI-KIT-SS	Stainless Steel
Tech Sheet 20468	

### Contents:

Mild Steel	Quantity
4-5mm	10
6mm	10
8mm	7
9mm	7
10mm	6
12mm	3
14mm	3
16mm	3
18mm	2
20mm	2



### Stainless Steel

Size	Quantity
5mm	10
6mm	9
8mm	7
9mm	6
10mm	6
12mm	3
14mm	3
16mm	3
18mm	2
20mm	2

### P-Clips

5559	Material
PCLIP-KIT-MS	Mild Steel
PCLIP-KIT-SS	Stainless Steel
Tech Sheet 20468	

### Contents:

Size	Quantity
9-11mm	34
11-13mm	26
13-15mm	18
14-17mm	14
15-18mm	24
17-20mm	20
18-21mm	20
22-25mm	12
Pincers	1



### O Clips

5559	Material
OC-KIT-MS	Mild Steel
Tech Sheet 20468	



## Mild Steel Saddle Clips

- Bag of 100
- Mild steel zinc plated
- Sizes up to 10mm have 4.8mm fixing hole
- Sizes 12mm and 16mm have 5.8mm fixing hole
- DIN 72571 or 72573



### Half Saddles – Light, Bag of 100

5559	OD mm	No of Tubes
A940040-1	4	1
A940050-1	5	1
A940060-1	6	1
A940070-1	7	1
A940080-1	8	1
A940100-1	10	1
A940120-1	12	1
A940160-1	16	1
A940040-2	4	2
A940050-2	5	2
A940060-2	6	2
A940070-2	7	2
A940080-2	8	2
A940100-2	10	2
A940120-2	12	2

Tech Sheet 20456



### Full Saddles – Light, Bag of 100

5559	OD mm	No of Tubes
C940040-1	4	1
C940050-1	5	1
C940060-1	6	1
C940070-1	7	1
C940080-1	8	1
C940100-1	10	1
C940120-1	12	1
C940040-2	4	2
C940050-2	5	2
C940060-2	6	2
C940080-2	8	2
C940100-2	10	2

Tech Sheet 20456

- Mild steel zinc plated
- Sizes up to 19mm have 6.6mm fixing hole
- Sizes 23mm to 33mm have 9.0mm fixing hole
- DIN 1596



### Half Saddles – Heavy

5559	OD mm	No of Tubes	Quantity
H940070-1	7	1	50
H940090-1	9	1	50
H940130-1	13	1	50
H940155-1	15.5	1	50
H940190-1	19	1	50
H940230-1	23	1	25
H940260-1	26	1	25
H940285-1	28.5	1	25
H940310-1	31	1	25

Tech Sheet 20456

## Copper Saddle Clips



### Metric

5559	OD mm
2024-0370	22
2024-0388	28

Tech Sheet 20456

You might also need...

**KELMK**<sup>TM</sup>  
Enhanced Quality Performance



**Nylon Tube**  
see **Section 7**



## Pipe Clips

Die Cast.



### Screw to Wall, Brass

0245	OD mm
EPS-S015-S	15
EPS-S022-S	22
EPS-S028-S	28
EPS-S035-S	35
EPS-S042-S	42
EPS-S054-S	54

Die Cast.



### Screw to Wall, Chrome Plated, Brass

0245	OD mm
EPS-S015CP-S	15
EPS-S022CP-S	22
EPS-S028CP-S	28
EPS-S035CP-S	35
EPS-S042CP-S	42
EPS-S054CP-S	54



### Pressed Screw-On, Brass

0245	OD mm
EPS-SOPB12-S	12
EPS-SOPB15-S	15
EPS-SOPB22-S	22
EPS-SOPB28-S	28
EPS-SOPB35-S	35
EPS-SOPB42-S	42
EPS-SOPB54-S	54



### Pressed Screw-On, Chrome Plated

0245	OD mm
EPS-SOPB15CP-S	15
EPS-SOPB22CP-S	22
EPS-SOPB28CP-S	28
EPS-SOPB35CP-S	35
EPS-SOPB42CP-S	42
EPS-SOPB54CP-S	54

M10 Threads.



### Hospital, Brass

0245	OD mm
EPS-HB15-S	15
EPS-HB22-S	22
EPS-HB28-S	28
EPS-HB35-S	35
EPS-HB42-S	42
EPS-HB54-S	54

M10 Threads.



### Hospital, Chrome Plated

0245	OD mm
EPS-HB15CP-S	15
EPS-HB22CP-S	22
EPS-HB28CP-S	28
EPS-HB35CP-S	35
EPS-HB42CP-S	42

Die Cast

M10 Threads.



### Single Munsen Ring, Brass

0245	OD mm
EPS-MR15-S	15
EPS-MR22-S	22
EPS-MR28-S	28
EPS-MR35-S	35
EPS-MR42-S	42
EPS-MR54-S	54
EPS-MR67-S	67
EPS-MR76-S	76

Die Cast

M10 Threads.



### Single Munsen Ring, Chrome Plated

0245	OD mm
EPS-MR15CP-S	15
EPS-MR22CP-S	22
EPS-MR28CP-S	28
EPS-MR35CP-S	35
EPS-MR42CP-S	42
EPS-MR54CP-S	54

Die Cast

M10 Threads.



### Double Munsen Ring, Brass

0245	OD mm
EPS-MR15D-S	15
EPS-MR22D-S	22
EPS-MR28D-S	28
EPS-MR35D-S	35
EPS-MR42D-S	42
EPS-MR54D-S	54

## Back Plates



### M10, Male

0245	Finish
EPS-MP10-S	Brass
EPS-MP10CP-S	Chrome Plated



### M10, Female

0245	Finish
EPS-FP10-S	Brass
EPS-FP10CP-S	Chrome Plated





## Pipe Clips



## 1/4" BSPP, Dual Purpose, Brass

0245	OD mm
EPS-DPBSP15-S	15
EPS-DPBSP22-S	22
EPS-DPBSP28-S	28
EPS-DPBSP35-S	35
EPS-DPBSP42-S	42
EPS-DPBSP54-S	54



## 1/4" BSPP, Dual Purpose, Chrome Plated

0245	OD mm
EPS-DPBSP15CP-S	15
EPS-DPBSP22CP-S	22
EPS-DPBSP28CP-S	28
EPS-DPBSP35CP-S	35
EPS-DPBSP42CP-S	42
EPS-DPBSP54CP-S	54



## Single Munsen Ring, Brass, BSPP

0245	OD mm	Thread
EPS-MRBSP15-S	15	1/4"
EPS-MRBSP22-S	22	1/4"
EPS-MRBSP28-S	28	1/4"
EPS-MRBSP35-S	35	1/4"
EPS-MRBSP54-S	54	3/8"
EPS-MRBSP67-S	67	3/8"
EPS-MRBSP76-S	76	1/2"



## 1/4" BSPP, Single Munsen Ring, Chrome Plated

0245	OD mm
EPS-MRBSP28CP-S	28
EPS-MRBSP35CP-S	35



## Double Munsen Ring, Brass, BSPP

0245	OD mm	Thread
EPS-MRBSP15D-S	15	1/4"
EPS-MRBSP22D-S	22	1/4"
EPS-MRBSP35D-S	35	1/4"
EPS-MRBSP54D-S	54	3/4"

## Copper Saddle Clips



0245	OD mm	Description
EPS-CS10-S	10	-
EPS-CS15-S	15	-
EPS-CS215-S	15	2 Piece
EPS-CS22-S	22	-
EPS-CS28-S	28	-
EPS-CS35-S	35	-
EPS-CS42-S	42	-
EPS-CS54-S	54	-

## Chrome Plated Saddle Clips



## 1 Piece

0245	OD mm
CS15CP-S	15
CS22CP-S	22



## 2 Piece

0245	OD mm
CS215CP-S	15

## Steel Saddle Clips



0245	Nominal Bore OD
SSB12-S	1/2"
SSB34-S	3/4"
SSB1-S	1"
SSB114-S	1.1/4"
SSB112-S	1.1/2"
SSB2-S	2"

## Back Plates



## BSP Male, Brass

0245	Thread
EPS-MPBSP38-S	3/8"



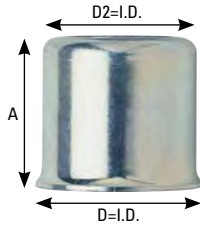
## BSP Female, Brass

0245	Thread
EPS-FPBSP14-S	1/4"
EPS-FPBSP38-S	3/8"

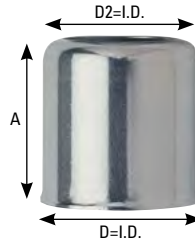


# FERRULES

## Mild Steel Hose Ferrules



stainless steel

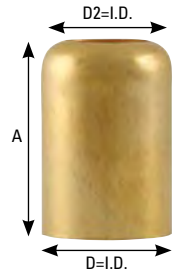


### Grade 303

5559	Length (D) mm	Length (A) mm	Length (D2) mm
SHF-10	10.1	20	7.5
SHF-11	11.1	20	8.5
SHF-12	12.1	20	8.5
SHF-13	13.1	20	8.8
SHF-14	14.1	20	11
SHF-15	15.1	20	12.5
SHF-16	16.1	20	12.5
SHF-17	17.1	20	14.5
SHF-18	18.1	20	14.5
SHF-19	19.1	21	14.8
SHF-20	20.1	22	14.8
SHF-28	28.1	32	20.5

5559	Length (D) mm	Length (A) mm	Length (D2) mm
STF-11	11.1	20	8.5
STF-12	12.1	20	8.5
STF-13	13.1	20	8.8
STF-14	14.1	20	11
STF-15	15.1	20	12.5
STF-17	17.1	20	14.5
STF-18	18.1	20	14.5
STF-22	22.1	22	15.5

## Brass Hose Ferrules



### Type HF

5555	Length (D) mm	Length (A) mm	Length (D2) mm
HF7322	12.7	25.4	8.7
HF3588	14.3	19	9.4
HF7325	14.4	25.4	10.9
HF7326	15.1	25.4	11
HF7327	15.9	25.4	11.1
HF7328	16.7	25.4	11.1
HF7329	17.4	25.4	12.7
HF7330	18.2	25.4	12.7
HF7331	19.1	25.4	12.7
HF7332	19.8	25.4	12.7
HF7333	20.6	25.4	15.8
HF7244	22.2	22.5	17.6
HF1275	31.9	31.9	22.2

## Ferrules for Low Pressure Hoses

- Red hot steel, zinc-plated and yellow chromated
- Easy, fast and safe hose crimping with hand-operated assembly machines: SPR 333 (use LPH-12.5 to LPH-23) and SPR 500 (use LPH-25 to LPH-41)
- No danger of hurt, closed and unremovable connection
- For crimping of various hoses and fittings for different fluids

Maximum Working Pressure: 16 Bar



### Steel

5555	I.D. Ø	To Suit Hose DIN20018	To Suit Hose Water	To Suit Hose PVC	L	d	Weight g
LPH-12.5	12.5	-	-	-	17	8.5	3
LPH-13.5	13.5	-	-	6 x 3	20	9.3	5
LPH-14.5	14.5	6 x 3.5	-	-	17	10	5
LPH-16	16.0	-	-	8 x 3	17	11.5	5
LPH-18	18.0	9 x 3.4	-	10 x 3	20	13.5	7
LPH-19	19.0	-	-	12 x 3	20	13.9	9
LPH-19.5	19.5	-	-	-	26	14.5	10
LPH-22	22.0	-	-	-	32	17.0	16
LPH-23	23.0	-	12 x 3	-	32	17.0	18
LPH-25	25.0	13 x 5	-	-	32	17.0	19
LPH-28	28.0	15 x 6	-	-	32	20.5	22
LPH-30	30.5	-	19 x 4	-	33	24.3	24
LPH-33	33.0	19 x 6	-	-	35	24.8	40
LPH-38	38.0	-	25 x 4.5	-	35	28.0	47
LPH-41	41.0	25 x 7	-	-	40	30.0	64

## Hose Ferrules



### Brass

5555	Hose ID	Length
HF3588	0.562"	3/4"
HF7244	0.875"	7/8"
HF5029	0.900"	7/8"
HF7322	0.500"	1"
HF7323	0.525"	1"
HF7325	0.568"	1"
HF7326	0.593"	1"
HF7327	0.625"	1"
HF7328	0.656"	1"
HF7329	0.687"	1"
HF7330	0.718"	1"
HF7331	0.750"	1"
HF7332	0.781"	1"
HF7333	0.812"	1"
HF1275	1.257"	1.1/4"



## Pipe Clips



## Snap-in Open, Single, Pack of 100

5559	Bore Size mm
OPS-15	15
OPS-22	22
OPS-28	28



## Clip Over, Single, Pack of 100

5559	Bore Size mm
PCC-22	22
PCC-28	28



## Snap-in, Polypropylene

5559	Bore Size mm
95161600	16
95162000	20
95162500	25
95163200	32
95164000	40

## Nail Clips



## Universal, White, Pack of 100

5559	Bore Size mm	Nail Size mm
NCW-15	15	Ø2.5 x 45
NCW-22	22	Ø2.5 x 50
NCW-28	28	Ø2.5 x 55



## Universal, Grey, Pack of 100

5559	Bore Size mm	Nail Size mm
NCG-15	15	Ø2.5 x 45
NCG-22	22	Ø2.5 x 50



## 1 Ear Stepless® Clamps, Stainless Steel 1.4301/UNS S30400

**Narrow band** - Concentrates transmission of clamping force, less weight.

**Stepless over 360°** - Uniform compression or uniform surface pressure.

**Clamp ear** - Compensates for component tolerances, adjustable surface pressure

**Dimple** - Increases clamping force, spring-effect compensates for changes in diameter due to thermal expansion

**Burr-free strip edges** - Reduced risk of damage to parts being clamped



### Band Width 5mm, Thickness 0.5mm

5559	Min Size mm	Max Size mm
16702488	5.3	6.5
16700001	5.8	7
16700002	6.8	8
16700003	7	8.7
16702491	7.3	9
16700004	7.8	9.5
16700005	8.3	10
16700006	8.8	10.5
16702492	9.2	10.9
16700007	9.6	11.3
16700008	10	11.8

Tech Sheet 10445

### Band Width 7mm, Thickness 0.6mm

5559	Min Size mm	Max Size mm
16702951	9.4	11.9
16700009	9.8	12.3
16702493	10.3	12.8
16700010	10.8	13.3
16700011	11.3	13.8
16700012	11.5	14
16702864	11.7	14.2
16700013	12	14.5
16700014	12.3	14.8
16700015	12.8	15.3
16700016	13.2	15.7
16702998	13.5	16
16702494	13.7	16.2
16702495	14.1	16.6
16702496	14.3	16.8
16700017	14.5	17
16702497	15	17.5
16700018	14.6	17.8
16700019	14.8	18
16700020	15.3	18.5
16700110	16	19.2
16702498	16.6	19.8
16700024	17.8	21
16700026	19.4	22.6
16700028	20.3	23.5
16700029	20.9	24.1
16702148	22.4	25.6
16700033	23.9	27.1
16700055	40.8	44
16700037	26.9	30.1
16702993	27.6	30.8
16700040	28.4	31.6

5559	Min Size mm	Max Size mm
16700042	29.9	33.1
16700044	31.4	34.6
16700046	32.9	36.1
16700048	34.4	37.6
16700050	34.9	38.1
16700052	36.4	39.6
16700053	37.8	41
16700054	39.3	42.5
16704055	25.4	28.6
16700055	40.8	44
16700056	42.3	45.5
16700057	43.8	47
16700058	45.3	48.5
16700059	46.8	50
16700061	49.8	53
16700063	52.8	56
16700065	55.8	59
16700067	58.8	62
16700069	61.8	65
16700071	64.8	68
16700073	67.8	71
16700075	70.8	74
16700077	73.8	77
16700079	76.8	80
16700081	79.8	83
16700083	82.8	86
16700086	87.3	90.5
16700088	90.3	93.5
16700090	93.3	96.5
16700092	96.3	99.5
16700094	96.3	102.5

Tech Sheet 10445



## 2 Ear Clamp



## Steel Zinc Plated DIN 1.0338

5559	Min Size mm	Max Size mm
OET0041	3.1	4.1
OET0045	3.5	4.5
OET0305	3	5
OET0507	5	7
OET0709	7	9
OET0811	8	11
OET0911	9	11
OET1113	11	13
OET1315	13	15
OET1517	15	17
OET1518	15	18
OET1619	16	19
OET1720	17	20
OET1922	19	22
OET2023	20	23
OET2225	22	25
OET2327	23	27
OET2528	25	28
OET2731	27	31
OET2831	28	31
OET3134	31	34
OET3437	34	37
OET3740	37	40
OET4043	40	43

Tech Sheet 10445

## Stainless Steel DIN 1.4301

5559	Min Size mm	Max Size mm
0041R	3.1	4.1
0045R	3.5	4.5
0305R	3	5
0507R	5	7
0709R	7	9
0811R	8	11
0911R	9	11
1113R	11	13
1315R	13	15
1517R	15	17
1518R	15	18
1720R	17	20
1922R	19	22
2023R	20	23
2225R	22	25
2327R	23	27
2528R	25	28
2731R	27	31
2831R	28	31
3134R	31	34
3437R	34	37
3740R	37	40
4043R	40	43
4346R	43	46

Tech Sheet 10445

## 1 Ear Clamp



## 308 Stainless Steel DIN 1.4301

5559	Min Size mm	Max Size mm
051R	4.1	5.1
061R	5.1	6.1
083R	7.1	8.3
087R	7.5	8.7
090R	7.5	9
095R	8.1	9.5
105R	9.1	10.5
110R	9.3	11
113R	9.6	11.3
120R	10.1	12
128R	10.8	12.8
133R	11.3	13.3
138R	11.8	13.8
140R	12	14
145R	12.5	14.5
150R	13	15
168R	14.6	16.8
175R	15.3	17.5
185R	16.3	18.5
195R	17.2	19.5
200R	17.7	20
207R	17.9	20.7
210R	18.7	21
225R	19.9	22.5
245R	21.7	24.5
307R	27.2	30.7

Tech Sheet 10445

## Oetiker 1-Ear Adjustable Clamps Stainless Steel



## 8mm Band

5559	Size Range mm
15900005	25.0 - 50.0
15900007	40.0 - 110.0

• **Mikalor Clamps:** The Mikalor brand has been synonymous with the highest quality heavy-duty clamps since the origins of the group. Precision engineered in Spain to DIN 3017, Mikalor clamps are manufactured under the following quality systems: ISO 9001, ISO 14001 and ISO TS 16949.

## Mikalor Super & Supra Clamps

The reference heavy-duty hose clamp for agricultural, irrigation mining and industrial hose applications. The Mikalor Super clamp was the first of its kind on the market and is still going strong.

**Materials:**

Band: Mild steel yellow zinc plate chromate and passivated.  
T-Bolt: 8.8 steel yellow zinc plate chromate and passivated.

The colour of the product may vary from that illustrated, due to the Suppliers manufacturing process.



### Super W1 Mild Steel with Steel Screw

5556	Min Size mm	Max Size mm
SBC1719	17	19
SBC2022	20	22
SBC2325	23	25
SBC2628	26	28
SBC2931	29	31
SBC3235	32	35
SBC3639	36	39
SBC4043	40	43
SBC4447	44	47
SBC4851	48	51
SBC5255	52	55
SBC5659	56	59
SBC6063	60	63
SBC6467	64	67
SBC6873	68	73
SBC7479	74	79
SBC8085	80	85
SBC8691	86	91
SBC9297	92	97
SBC98103	98	103
SBC104112	104	112
SBC113121	113	121
SBC122130	122	130
SBC131139	131	139
SBC140148	140	148
SBC149161	149	161
SBC162174	162	174
SBC175187	175	187
SBC188200	188	200
SBC201213	201	213
SBC214226	214	226
SBC227239	227	239
SBC240252	240	252

Tech Sheet 1739

The world's favourite heavy-duty clamp. The revolutionary patented design of the Supra clamp makes it the strongest on the market and the unique swivelling bridge means that Supra can be mounted in the most difficult applications. Where reliability, strength, high torque and superlative hydraulic performance are needed, industry professionals ask for Supra by name. Available in W2 and in W4 material qualities.

**Supra W2 Materials:**

Band: AISI 430 Stainless steel  
Bolt: Steel Cr3 white zinc plated  
(Chrome 6 free)



### Supra W2 430 Stainless Steel with Steel Screw

5556	Min Size mm	Max Size mm
MS1901	17	19
MS1902	19	21
MS1903	21	23
MS1904	23	25
MS1905	25	27
MS1906	27	29
MS1907	29	31
MS1908	31	34
MS1909	34	37
MS1910	37	40
MS1911	40	43
MS1912	43	47
MS1913	47	51
MS1914	51	55
MS1915	55	59
MS1916	59	63
MS1917	63	68
MS1918	68	73
MS1919	73	79
MS1920	79	85
MS1921	85	91
MS1922	91	97
MS1923	97	104
MS1924	104	112
MS1925	112	121
MS1926	121	130
MS1927	130	140
MS1928	140	150
MS1929	150	162
MS1930	162	174
MS1931	174	187
MS1932	187	200
MS1933	200	213
MS1934	213	226
MS1935	226	239
MS1936	239	252
MS1937	252	265
MS1938	265	278
MS1939	278	291
MS1940	291	304
MS1941	304	317
MS1942	317	330
MS1943	330	343
MS1944	343	356
MS1945	356	369
MS1946	369	382
MS1947	382	395
MS1948	395	408

Tech Sheet 1740

**Braided PVC Hose**  
see **Section 7**





## Mikalor Super &amp; Supra Clamps

The world's favourite heavy-duty clamp. The revolutionary patented design of the Supra clamp makes it the strongest on the market and the unique swivelling bridge means that Supra can be mounted in the most difficult applications. Where reliability, strength, high torque and superlative hydraulic performance are needed, industry professionals ask for Supra by name. Available in W2 and in W4 material qualities.

## Supra W4 Materials:

Band:

AISI 304 Stainless steel

Bolt:

AISI 302 Cu Stainless steel

stainless steel

Supra W4 304  
Stainless Steel with Stainless Screw

5556	Min Size mm	Max Size mm
SS1301	17	19
SS1302	19	21
SS1303	21	23
SS1304	23	25
SS1305	25	27
SS1306	27	29
SS1307	29	31
SS1308	31	34
SS1309	34	37
SS1310	37	40
SS1311	40	43
SS1312	43	47
SS1313	47	51
SS1314	51	55
SS1315	55	59
SS1316	59	63
SS1317	63	68
SS1318	68	73
SS1319	73	79
SS1320	79	85
SS1321	85	91
SS1322	91	97
SS1323	97	104
SS1324	104	112
SS1325	112	121
SS1326	121	130
SS1327	130	140
SS1328	140	150
SS1329	150	162
SS1330	162	174
SS1331	174	187
SS1332	187	200
SS1333	200	213
SS1334	213	226
SS1335	226	239
SS1336	239	252
SS1337	252	265
SS1338	265	278
SS1339	278	291
SS1340	291	304
SS1341	304	317
SS1342	317	330
SS1343	330	343
SS1344	343	356
SS1345	356	369
SS1346	369	382
SS1347	382	395
SS1348	395	408

Tech Sheet 1741

**Technically Advanced:** The addition of a system spring washer enables the new SUPRA CT to be applied, with no performance loss, under extreme variations of temperature and pressure.

**Corrosion Resistant:** The quality steels and high resistance surface treatments used in the manufacture of the SUPRA CT comply with all existing worldwide specifications regarding corrosion resistance.

**Ecological:** SUPRA CT clamps are totally free of Chrome 6 and are manufactured in accordance with EU directive 2002/95/EC 1.7.06.

**Design:** The design of the SUPRA CT makes it impossible to lose the nut and trunnion. The swivelling bridge makes SUPRA CT easy to fit and remove. The high resistance bolt, especially designed for strength, permits high torque values.

**Safety:** The bevelled edge of the band prevents damage to the hose.

- Washer and external trunnion 304 stainless steel. Chrome 6 free.

Other sizes available on request

## SUPRA CT

The hose clamp that adapts itself to variations of pressure and temperature.



## Supra CT, 430 Stainless Steel with Steel Screw

5556	Min Size mm	Max Size mm
CT0302014-2	25	27
CT0302021-4	43	47
CT0302022-2	47	51
CT0302023-0	51	55
CT0302025-7	59	63
CT0302026-5	63	68
CT0302027-3	68	73
CT0302028-1	73	79
CT0302029-0	79	85
CT0302030-2	85	91
CT0302031-0	91	97
CT0302033-7	104	112
CT0302034-5	112	121
CT0302036-1	130	140
CT0302042-5	200	213
CT0302043-3	213	226
CT0302044-1	226	239

Tech Sheet 1742

## Mikalor W3 S-Band Constant Tension Worm Drive Clips

The main difference between the W3 constant tension worm-drive and the standard Mikalor worm-drive is to be found in the inner-ring insert incorporating a spring. This spring-loaded insert maintains constant pressure around the hose in case of sudden variations in temperature and/or vibration thereby avoiding leaks.

**Screw:** AISI 430 stainless steel.

The fact that this clamp guarantees leak-proof hose assemblies with both gaseous fluid and liquids makes it ideal for applications in car, tractor or heavy machinery engines. Moreover, the non-perforated cold formed band together with the rounded band edges make sure that no damage occurs to the hose. This clip complies fully with the DIN 3017 norm and also with the RoHs directive EU/2002/95/EC dated 1st July 2006.

**Band and Housing:** X6Cr-17 Stainless steel (DIN 1.4016) AISI 430

**Spring-loaded insert:** AISI 301 Stainless steel

\*The band width does not take into account the spring-loaded insert.

The maximum application pressure can vary depending on the type of hose used and the geometry of the coupling.

Worldwide patent.



stainless steel

## DIN 3017 Heavy Series

5556	Min Size mm	Max Size mm
03017834	30	45
03017842	32	50
03017850	40	60
03017869	50	70
03017877	60	80
03017885	70	90
03017893	80	100
03017906	90	110
03017914	100	120
03017922	110	130

Tech Sheet 20096

# HOSE CLIPS

## W2 ASFA 'L' Worm Drive Clips

**Screw:** QST 36-3 mild steel (DIN 1.0213) silver-white Cr3 zinc-plated.

**Band and Housing:** stainless steel X6Cr17 (DIN 1.4016) (AISI-430).



### 430 Stainless Steel, 9mm Band Width

5556	Min Size mm	Max Size mm
0301650-8	8	12
0301651-6	8	16
0301652-4	12	22
0301653-2	16	27
0301654-0	20	32
0301655-9	25	40
0301656-7	30	45
0301657-5	32	50
0301658-3	40	60
0301659-1	50	70
0301660-4	60	80
0301661-2	70	90
0301662-0	80	100
0301663-9	90	110
0301664-7	100	120
0301665-5	110	130
0301666-3	120	140
0301667-1	130	150
0301668-0	140	160

Tech Sheet 68770

## W1 ASFA 'S' Worm Drive Clips

**Screw:** QST 36-3 mild steel (DIN 1.0213) silver-white Cr3 zinc plated.

**Band and Housing:** galvanised steel S/EN 10292 (DIN 1.0935).



### Galvanised Steel, 12mm Band Width

5556	Min Size mm	Max Size mm
0300900-1	16	27
0300900-2	20	32
0300900-3	25	40
0300900-4	30	45
0300900-5	32	50
0300900-6	40	60
0300900-7	50	70
0300900-8	60	80
0300900-9	70	90
0300901-0	80	100
0300901-1	90	110
0300901-2	100	120
0300901-3	110	130
0300901-4	120	140
0300901-5	130	150
0300901-6	140	160
0300901-7	150	170
0300901-8	160	180
0300901-9	170	190
0300902-0	180	200
0300902-1	190	210
0300902-3	210	230
0300902-4	220	240

Tech Sheet 68183

## W4 ASFA 'L' Worm Drive Clips

**Screw:** stainless steel (AISI 304 Cu).

**Band and Housing:** stainless steel X5CrNi 1810 (DIN 1.4301) (AISI 304).



stainless steel

### Stainless Steel, 9mm Band Width

5556	Min Size mm	Max Size mm
0301401-9	8	16
0301402-7	12	22
0301403-5	16	27
0301404-3	20	32
0301405-1	25	40
0301406-0	30	45
0301407-8	32	50
0301408-6	40	60
0301409-4	50	70
0301410-7	60	80
0301411-5	70	90
0301412-3	80	100
0301414-0	90	110
0301415-8	100	120
0301416-6	110	130
0301417-4	120	140
0301418-2	130	150
0301419-0	140	160

Tech Sheet 68184

## W5 ASFA 'L' Worm Drive Clips

**Screw:** stainless steel (AISI-316 Cu).

**Band and Housing:** 316 stainless steel X5CrNi Mo.



stainless steel

### 316 Stainless Steel, 9mm Band Width

5556	Min Size mm	Max Size mm
0301575-9	8	16
0301576-7	12	22
0301772-0	16	27
0301750-0	20	32
0301751-9	25	40
0301773-8	30	45
0301752-7	32	50
0301753-5	40	60
0301754-3	50	70
0301755-1	60	80
0301756-0	70	90
0301757-8	80	100
0301758-6	90	110
0301759-4	100	120
0301760-7	110	130
0301761-5	120	140
0301762-3	130	150
0301763-1	140	160
0301764-0	150	170
0301765-8	160	180
0301766-6	170	190
0301767-4	180	200
0301768-2	190	210
0301769-0	200	220
0301770-3	210	230
0301771-1	220	240

Tech Sheet 68185

## W4 ASFA 'S' Worm Drive Clips

**Screw:** stainless steel (AISI-304 Cu) (A2).

**Band and Housing:** stainless steel X5CrNi1810 (DIN 1.4301) (AISI-304) (A2).



stainless steel

### 304 Stainless Steel, 12mm Band Width

5556	Min Size mm	Max Size mm
0301473-0	16	27
0301451-0	20	32
0301452-9	25	40
0301474-8	30	45
0301453-7	32	50
0301454-5	40	60
0301455-3	50	70
0301456-1	60	80
0301457-0	70	90
0301458-8	80	100
0301459-6	90	110
0301460-9	100	120
0301461-7	110	130
0301462-5	120	140
0301463-3	130	150
0301464-1	140	160
0301465-0	150	170
0301466-8	160	180
0301467-6	170	190
0301468-4	180	200
0301469-2	190	210
0301470-5	200	220
0301471-3	210	230
0301472-1	220	240

Tech Sheet 68186



## Mikalor O Clips



## Steel, Zinc Plated, 1 Ear

5556	Min Size mm	Max Size mm
03012072	8	10
03012013	9	11
03012021	10	12
03012030	11	12
03012048	12	14
03012056	14	16
03012064	16	18.5
Tech Sheet 1743		

## Stainless Steel, 1 Ear

stainless steel

5556	Min Size mm	Max Size mm
23012440	7	9
23012087	8	10
23012010	9	11
23012028	10	12
23012036	11	13
23012044	12	14
23012079	12	15
23012052	14	16
23012458	15	17
23012060	16	18
23012423	17	19
23012431	18	20
Tech Sheet 1744		

## Steel, Zinc Plated, 2 Ear



5556	Min Size mm	Max Size mm
03012101	5	7
03012110	7	9
03012128	9	11
03012136	11	12
03012144	13	15
03012152	14	17
03012160	15	18
03012179	17	20
03012187	18	21
03012195	20	23
03012208	22	25
03012216	23	27
03012224	25	28
03012232	28	31
03012240	31	34
03012259	34	37
03012267	37	40
03012275	40	43
03012283	43	46
Tech Sheet 1743		

## Stainless Steel, 2 Ear

stainless steel

5556	Min Size mm	Max Size mm
23012108	5	7
23012116	7	9
23012124	9	11
23012132	11	13
23012140	12	15
23012159	14	17
23012167	15	18
23012175	17	20
23012183	18	21
23012191	20	23
23012204	22	25
Tech Sheet 1744		

## Mikalor O Clips, Inner Ring



## Steel, Zinc Plated, 1 Ear

5556	Min Size mm	Max Size mm
03011010	7.5	9.5
03011029	8.5	10.5
03011037	9.5	11.5
03011045	10.4	12.4
03011053	11.4	13.4
03011061	13.4	15.4
03011070	15.4	17.4
Tech Sheet 1745		

## Stainless Steel, 1 Ear

stainless steel

5556	Min Size mm	Max Size mm
23012300	6.5	8.5
23012319	8.2	9.5
23012327	8.5	10.4
23012335	9.5	11.4
23012343	10.4	12.4
23012351	11.4	13.4
23012360	12.4	14.4
23012378	13.4	15.4
23012386	14.4	16.4
23012394	15.4	17.4
23012407	16.4	18.4
23012415	17.4	19.4
Tech Sheet 1745		

## Mikalor W3 ASFA 'L' Worm Drive Clips

## 430 Stainless Steel, 9mm Band Width

5556	Min Size mm	Max Size mm
73016011	8	16
73016020	12	22
73016038	16	27
73016046	20	32
73016062	25	40
73016070	30	45
73016089	32	50
73016095	40	60
73016100	50	70
73016118	60	80
Tech Sheet 20467		

The special black finish gives added corrosion resistance and makes this clip very popular in automotive and defence applications, as well as in the manufacture of agricultural and construction machinery.

**Screw:** AISI 430 stainless steel

**Band and Housing:** stainless steel X6Cr-17 (DIN 1.4016) (AISI-430)

**Finish:** black



stainless steel



# CLAMPS & HOSE CLIPS

A World Leader in the design & supply of sealing, connecting & clamping solutions.

High performance products specified by the world's leading manufacturers for all their hose, tube and pipe applications.

- Specially designed for the perfect seal
- Quality Assured engineering and manufacture to ISO 9002, QS 9000 and ISO 14001.
- Over 3 million parts produced EVERY day allows us to give the customer exceptional value.

## NORMA® Hose Clips

- Top Sealing Performance through its Unique Design



### Mild Steel Alu-Zinc Plated

7777	Min Size mm	Max Size mm	Band Width mm
NOR-000	8	12	9
NOR-M00	10	16	9
NOR-00	12	22	9
NOR-0	16	27	12
NOR-1A	20	32	12
NOR-1	25	40	12
NOR-2A	35	50	12
NOR-2	40	60	12
NOR-2X	40	60	12
NOR-3	50	70	12
NOR-3X	60	80	12
NOR-4	70	90	12
NOR-4X	80	100	12
NOR-5	90	110	12

- Top Sealing Performance through its Unique Design



stainless steel

### All Stainless Steel

7777	Min Size mm	Max Size mm	Band Width mm
NOR-SS-75-12	8	12	7.5
NOR-SS-75-16	10	16	7.5
NOR-SS-75-18	12	18	7.5
NOR-SS-000	8	16	9
NOR-SS-M00	8	16	9
NOR-SS-00	12	22	9
NOR-SS-0	16	27	12
NOR-SS-1A	20	32	12
NOR-SS-1	25	40	12
NOR-SS-1X	25	40	12
NOR-SS-2A	32	50	12
NOR-SS-2	40	60	12
NOR-SS-2X	40	60	12
NOR-SS-3	50	70	12
NOR-SS-3X	60	80	12
NOR-SS-4	70	90	12
NOR-SS-4X	80	100	12
NOR-SS-5	90	110	12

## NORMA® High Torque Hose Clips

- Recommended Tightening Torque 17 Nm (150lb in)



stainless steel

### All Stainless Steel, 16mm Band Width

7777	Min Size mm	Max Size mm
NOR-HD45	25	45
NOR-HD54	32	54
NOR-HD67	45	67
NOR-HD79	57	79
NOR-HD92	70	92
NOR-HD118	95	118
NOR-HD130	108	130
NOR-HD143	121	143
NOR-HD168	146	168
NOR-HD181	159	181
NOR-HD194	172	194
NOR-HD232	210	232

## NORMA® Clamp GBS M Heavy-duty Clamp

- Up to 70% higher band tension than leading competitor
- Wide clamping range 17mm to 252mm
- Environmentally friendly - Chrome VI Free
- Mechanically locked so no spot weld weakness
- Rounded band edges for hose protection
- DIN 3017 Accredited



### Clamps Supplied in W2 Material

7777	Min Size mm	Max Size mm
NOR-05917182018	17	19
NOR-05917182020	19	21
NOR-05917182022	21	23
NOR-05917182024	23	25
NOR-05917182026	25	27
NOR-05917182028	27	29
NOR-05917182030	29	31
NOR-05917182033	31	34
NOR-05917182036	34	37
NOR-05917182039	37	40
NOR-05917182042	40	43
NOR-05917202045	43	47
NOR-05917202049	47	51
NOR-05917202053	51	55
NOR-05917202057	55	59
NOR-05917202061	59	63
NOR-05917202066	63	68
NOR-05917252071	68	73
NOR-05917252076	73	79
NOR-05917252082	79	85
NOR-05917252088	85	91
NOR-05917252094	91	97
NOR-05917252101	97	104
NOR-05917252108	104	112
NOR-05917252117	112	121
NOR-05917252126	121	130
NOR-05917302135	130	140
NOR-05917302145	140	150
NOR-05917302156	150	162
NOR-05917302168	162	174
NOR-05917302181	174	187
NOR-05917302194	187	200
NOR-05917302207	200	213
NOR-05917302220	213	226
NOR-05917302233	226	239
NOR-05917302246	239	252



### NORMA® Hose Clamps & Clips



#### Normaclamp Worm Drive Quick Lock W2B

7777	Clamp Range mm
8156120040	25-40
8156120045	25-45
8156120050	32-50
8156120060	40-60
8156120070	50-70
8156120080	60-80
8156120090	60-90
8156120110	60-110
8156120135	60-135
8156120145	60-145
8156120170	60-170
8156120215	60-215
8156120270	60-270
8156120325	60-325
8156120380	60-380
8156120425	60-425
8156120525	60-525
8156120660	60-660
8156130110	60-110
8156130135	60-135
8156130145	60-145
8156130170	60-170
8156130215	60-215



#### Normaclamp Worm Drive Quick Lock W4

7777	Clamp Range mm
8156130110	60-110
8156130135	60-135
8156130145	60-145
8156130170	60-170
8156130215	60-215

### NORMA® Quick Assembly 1 Piece Cobra Hose Clips

- Low Profile, Easy Fit Hose Clip

stainless steel



#### Stainless Steel

7777	To Suit Hose OD mm	Band Width mm
NOR-COBRA75	7.5	7
NOR-COBRA8	8	7
NOR-COBRA9	9	7
NOR-COBRA10	10	7
NOR-COBRA105	10.5	7
NOR-COBRA11	11	7
NOR-COBRA115	11.5	7
NOR-COBRA12	12	8
NOR-COBRA13	13	8
NOR-COBRA14	14	8
NOR-COBRA15	15	8
NOR-COBRA16	16	8
NOR-COBRA17	17	8
NOR-COBRA18	18	8
NOR-COBRA19	19	8
NOR-COBRA20	20	8
NOR-COBRA21	21	8
NOR-COBRA24	24	8
NOR-COBRA26	26	8
NOR-COBRA27	27	8
NOR-COBRA28	28	8
NOR-COBRA29	29	8

#### Spring Band Clips W4

7777	Clamp Range mm	Width mm
1077000075	8 - 9	7
1077000008	8.5 - 9.5	7
1077000085	9 - 10	7
1077000009	9.5 - 10.5	7
1077000095	10 - 11	7
1077000010	10.5 - 11.5	7
1077000105	11 - 12	7
1077000011	11.5 - 12.5	7
1077000115	12 - 13	7
1087006012	12.5 - 14	8
1087006013	13.5 - 15	8
1087006014	14.5 - 16	8
1087006015	15.5 - 17	8
1087006016	16.5 - 18	8
1087006017	17.5 - 19	8
1087006018	18.5 - 20	8
1087006019	19.5 - 21	8
1087006020	20.5 - 22	8
1087006021	21.5 - 23	8
1087006022	22.5 - 24	8
1087006023	23.5 - 25	8
1087006024	24.5 - 26	8
1087006025	25.5 - 27	8
1087006026	26.5 - 28	8
1087006027	27.5 - 29	8
1087006028	28.5 - 30	8
1087006029	29.5 - 31	8
1087006030	30.5 - 32	8

### Screwdriver



5555  
HC1

### Cobra Clip Hand Tool



7777  
1108420000



# PIPE REPAIR COUPLINGS

A World Leader in the design & supply of sealing, connecting & clamping solutions.

## High Specification Stainless Steel Coupling for Repairing Leaks to Pressure Pipes

- Nitrile Sealing Sleeve
- Double Lip Seal Design
- Upto 16 bar Pressure Rating
- Suitable for Metal and Most Plastic Pipes

## NORMA® Pipe Repair Couplings

- Easy assembly and disassembly
- Re-useable
- Patented double-lip seal
- Standard steel strip insert
- Suitable for both high pressure and vacuum applications



7788	Min Size mm	Max Size mm
NOR-FGRR355	34.5	35.5
NOR-FGRR429	39	42.9
NOR-FGRR45	43	45
NOR-FGRR488	45.5	48.8
NOR-FGRR549	53.6	54.9
NOR-FGRR576	55	57.6
NOR-FGRR609	57.7	60.9
NOR-FGRR74	72.6	74
NOR-FGRR769	74	76.9
NOR-FGRR85	83	85
NOR-FGRR896	85.1	89.8
NOR-FGRR1029	101	102.9
NOR-FGRR106	103	106
NOR-FGRR111	109	111
NOR-FGRR1154	112	115.4
NOR-FGRR156	153	156
NOR-FGRR170	166	170



## NORMA® Connect Grip Pipe Couplings

- Axial pipe coupling for connecting unrestrained metal pipes
- Strip insert included as standard for seal protection
- Unique double lip sealing system
- Progressive locking effect
- Rapid installation time
- Up to 16 bar (nominal) pressure rating

stainless steel



### Clamps Supplied in W2 Material

7788	Min Size mm	Max Size mm
NOR-05788400026	26.4	27.5
NOR-05788400033	33	34.3
NOR-05788400042	41.7	43
NOR-05788400048	47.6	50.5
NOR-05788400060	59.5	61
NOR-05788400076	75.2	77
NOR-05788400088	87	89.9
NOR-05788400114	113	115
NOR-05788400139	138.1	141.6
NOR-05788400168	166.5	170.1
NOR-05778400219	216	221

## NORMA® Connect Flex Pipe Couplings

- Axial pipe coupling for connecting restrained metal and/or plastic pipes
- Strip insert included as standard for seal protection
- Unique double lip sealing system
- Accommodates changes in pipe length and misalignment
- Rapid installation time
- Up to 16 bar (nominal) pressure rating

stainless steel

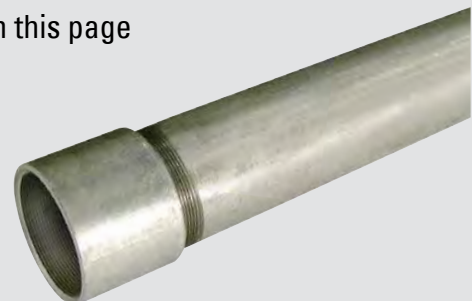


### Clamps Supplied in W2 Material

7788	Min Size mm	Max Size mm
NOR-05738400026	26.5	27.4
NOR-05738400033	33	34.3
NOR-05738400042	41.7	43
NOR-05738400048	47.6	50.5
NOR-05738400060	59.5	61
NOR-05738400076	75.2	77
NOR-05738400088	87	89.9
NOR-05738400114	113	115.5
NOR-05738400139	138.1	141.6
NOR-05738400168	166.5	170.1
NOR-05738400180	178	182
NOR-05738400193	192	196
NOR-05738400206	202	208
NOR-05738400219	216	221
NOR-05738400267	264	269
NOR-05738400355	352	359
NOR-05738400406	402	410
NOR-05738400508	505	510
NOR-05738400609	606	613

Customers who bought from this page also purchased...

**Galvanised Tubing**  
see Section 4





## NORMA® P Type Pipe Clip

- EPDM Rubber Sleeve
- Vibration Damping
- Fixing Hole For M6 Bolt



Mild Steel Alu-Zinc Plated,  
12mm Band Width

7777	To Suit Hose OD mm
NOR-RLGUP-5	5
NOR-RLGUP-6	6
NOR-RLGUP-8	8
NOR-RLGUP-9	9
NOR-RLGUP-10	10
NOR-RLGUP-12	12
NOR-RLGUP-13	13
NOR-RLGUP-16	16
NOR-RLGUP-19	19
NOR-RLGUP-21	21
NOR-RLGUP-22	22
NOR-RLGUP-25	25
NOR-RLGUP-28	28
NOR-RLGUP-29	29
NOR-RLGUP-32	32
NOR-RLGUP-35	35
NOR-RLGUP-40	40
NOR-RLGUP-44	44

## NORMA® P Type HD Pipe Clip



Mild Steel Zinc Plated,  
15mm Band Width

7777	To Suit Hose OD mm
NOR-RSGUP-6	6
NOR-RSGUP-8	8
NOR-RSGUP-10	10
NOR-RSGUP-12	12
NOR-RSGUP-13	13
NOR-RSGUP-16	16
NOR-RSGUP-19	19
NOR-RSGUP-21	21
NOR-RSGUP-22	22
NOR-RSGUP-25	25
NOR-RSGUP-28	28
NOR-RSGUP-30	30
NOR-RSGUP-32	32
NOR-RSGUP-35	35

## NORMA® U Type HD Pipe Clip



Mild Steel Zinc Plated,  
15mm Band Width

7777	To Suit Hose OD mm
NOR-RSGUU-6	6
NOR-RSGUU-12	12
NOR-RSGUU-13	13
NOR-RSGUU-16	16
NOR-RSGUU-19	19
NOR-RSGUU-21	21
NOR-RSGUU-22	22
NOR-RSGUU-25	25
NOR-RSGUU-28	28
NOR-RSGUU-30	30
NOR-RSGUU-35	35

## Box Set Clips

Part No.	Min Size	Max Size	Band Width mm	Qty
NOR-000	8	12	9	24
NOR-M00	10	16	9	22
NOR-00	12	22	9	24
NOR-0X	16	27	12	24
NOR-1A	20	32	12	10
NOR-1	25	40	12	16



With 120 Clips

7777  
NOR-888000003

## Wall Mounted Display Dispenser

Part No.	Min Size	Max Size	Band Width mm	Qty
NOR-000	8	12	9	10
NOR-M00	10	16	9	10
NOR-00	12	22	9	10
NOR-0	16	27	12	8
NOR-1A	20	32	12	8
NOR-1	25	40	12	8
NOR-2A	35	50	12	8
NOR-2	40	60	12	8
NOR-3	50	70	12	8



With 78 Clips

7777  
NOR-888000080



# TOOL CLIPS, PEN & TOOL HOLDERS

## Tool Clips

- Steel Zinc Plated



### Closed Type

0108	Min Size mm	Max Size mm
TERR-80.06-2	6	7
TERR-80.10-2	10	12
TERR-80.13-2	13	14
TERR-80.16-2	16	19
TERR-80.19-2	19	21
TERR-80.25-2	25	27
TERR-80.28-2	28	31
TERR-80.32-3	32	34
TERR-80.38-3	38	40
TERR-80.51-3	51	54



### Open Type

0108	Min Size mm	Max Size mm
TERR-81.06-2	6	7
TERR-81.10-2	10	12
TERR-81.13-2	13	14
TERR-81.16-2	16	19
TERR-81.19-2	19	21
TERR-81.25-2	25	27
TERR-81.28-2	28	31
TERR-81.32-3	32	34
TERR-81.38-3	38	40
TERR-81.51-3	51	54

## Worm Drive Clips

- Powergrip range of high performance hose clamps manufactured to BS5315 - 1991 standard
- Kitemark accredited
- Mild steel with Alu-zinc coating for improved corrosion resistance



### Mild Steel

0108	Size Ref	Min Size mm	Max Size mm
WDC000	000	9.5	12
WDCM00	M00	11	16
WDC00	00	13	20
WDC0	0	16	22
WDC0X	0X	18	25
WDC1A	1A	22	30
WDC1	1	25	35
WDC1X	1X	30	40
WDC2A	2A	35	50
WDC2	2	40	55
WDC2X	2X	45	60
WDC3	3	55	70
WDC3X	3X	60	80
WDC4	4	70	90
WDC4X	4X	85	100
WDC5	5	90	120
WDC6	6	110	140
WDC7	7	130	160
WDC8	8	150	180
WDC9	9	175	205
WDC10	10	200	230
WDC11	11	225	255
WDC12	12	250	288
WDC13	13	275	305

## Pen & Pencil Clips

- Nickel Plated Steel
- These are used for Pens, Pencils and Special Measuring Tools in Brief Cases, Tool Boxes and Pockets



0108	Size mm	Type
TERR-90.01-2	7-15	Single
TERR-90.02-2	7-15	Double
TERR-90.03-2	7-15	Triple





## Mounting

### Advantages of Flamco Rail:

- Short installation height, thanks to the flat grooved construction
- The ergonomic design of the rail ensures that sliding nuts and similar components slide easily into place
- Flamco fittings and components are compatible across the entire Flamco Rail range



### R1 Mounting Rail

0713	Length mm
50010	2000
Tech Sheet 68180	

- Neatly finishes off the ends of all types of Flamco Rail
- Quick and easy to push into position



### RD1 Mounting Rail End Cap

0713	To Suit
50501	50010

### Product Features:

- Easy mounting by pushing and turning the unit in the rail 45° clockwise
- No-return stop
- Reduced installation time
- Electrolytically zinc plated
- No loose parts such as studs, washers and nuts



### Wall Mounting Rail Connection

0713	Breaking Strain
71806	1000
Tech Sheet 68179	



### ClickEasy Sliding Nut

0713	Thread
80360	M6
80361	M8
80362	M10



### ClickEasy HBS

0713	Thread	Length mm
80379	M10	30
80380	M10	40
80381	M10	50

For mounting Flamco rail to steel without welding or drilling



### RB1 Rail Girder Clip

0713	Thread	Max Extended mm
80601	M8 x 55	15





## Wall or Ceiling Mounted Pipe Clips

### Advantages


- With retaining ring
- Close fitting possible
- Suitable for high loads and temperatures
- Electrolytically zinc plated
- BSU clips are designed for mounting steel pipes to the wall or ceiling



### BSF Clip

0713	Thread	Bore Size mm
38671	M8-M10	13-17.5
38672	M8-M10	21-25.5
38673	M8-M10	26.5-30.5
38674	M8-M10	33.5-38.5
38675	M8-M10	41.5-47
38676	M8-M10	48-54
38677	M8-M10	56-62.5
38678	M8-M10	62.5-69.5
38679	M8-M10	69.5-76.5
38680	M8-M10	77.5-84
38681	M8-M10	85-92.5
38682	M8-M10	93-100.5
38683	M8-M10	101.5-110
38684	M8-M10	110-117.5
38685	M8-M10	119.5-127.5
38686	M8-M10	127.5-133.5

- BSI clips are rubber lined universal clips for mounting pipes to the wall or ceiling

 **Working Temperature:**  
-40°C to +120°C

### Advantages:

- Fitted with two bolts with anti-loss ring
- Bolt with slot and cross head
- Reinforcement grooves ensure that BSI clips maintain their shape
- Noise suppression up to 17dB(A)
- Electrolytically zinc plated



### BSI, EPDM Rubber Lined

0713	Thread	Bore Size mm
39000	M8-M10	12-14
39001	M8-M10	15-19
39002	M8-M10	20-25
39003	M8-M10	26-30
39004	M8-M10	32-36
39005	M8-M10	38-43
39006	M8-M10	44-49
39007	M8-M10	50-55
39008	M8-M10	56-61
39009	M8-M10	62-67
39010	M8-M10	68-73
39011	M8-M10	75-80
39012	M8-M10	82-86
39013	M8-M10	87-92
39014	M8-M10	95-102
39015	M8-M10	108-116
39016	M8-M10	121-127
39017	M8-M10	131-141
39018	M8-M10	159-163
39019	M8-M10	165-168
39020	M8-M10	192-202
39022	M8-M10	210-220

Tech Sheet 68173

### Advantages:

- With retaining ring
- Close fitting possible
- Bolt with slot and cross head
- Suitable for high loads and temperatures
- Electrolytically zinc plated




### BSU, Unlined

0713	Thread	Bore Size mm
38270	M8-M10	15-18
38271	M8-M10	20-25
38272	M8-M10	26-30
38273	M8-M10	32-36
38274	M8-M10	38-43
38275	M8-M10	44-49
38276	M8-M10	56-61
38277	M8-M10	75-80
38278	M8-M10	87-92
38279	M8-M10	108-116
38282	M10-M12	108-116
38283	M10-M12	131-141
38284	M10-M12	165-169

Tech Sheet 68177

- Stainless steel universal clips with rubber strips for mounting pipes to the wall or ceiling
- For use in situations where stainless steel mounting material is desired or required, such as food processing facilities, laboratories, the chemical industry, etc.

 **Working Temperature:**  
-40°C to +120°C

### Advantages:

- Suitable for short-distance mounting
- Noise suppression up to 17dB(A)
- Electrolytically zinc plated

**stainless steel**



### BRS-A, EPDM Rubber Lined, Stainless Steel

0713	Thread	Bore Size mm
38451	M8-M10	12-14
38452	M8-M10	15-19
38453	M8-M10	20-25
38454	M8-M10	26-30
38455	M8-M10	32-36
38456	M8-M10	38-43
38457	M8-M10	44-49
38458	M8-M10	50-55
38459	M8-M10	56-61
38460	M8-M10	62-67
38461	M8-M10	68-73
38462	M8-M10	75-80
38463	M8-M10	82-86
38464	M8-M10	87-92
38465	M8-M10	95-102
38466	M8-M10	108-116
38467	M8-M10	121-127
38468	M8-M10	131-141
38469	M8-M10	159-163
38470	M8-M10	165-169
38471	M8-M10	192-202
38473	M8-M10	210-220

Tech Sheet 68175





## Wall or Ceiling Mounted Pipe Clips

- Stainless steel universal clips for mounting stainless steel pipes to the wall or ceiling
- For use in situations where stainless steel mounting material is desired or required, such as food processing facilities, laboratories, the chemical industry, etc.

**Advantages:**

- Suitable for short-distance mounting

**stainless steel**



### BRS, Unlined, Stainless Steel

0713	Thread	Bore Size mm
38475	M8-M10	8-10
38476	M8-M10	12-14
38477	M8-M10	15-19
38478	M8-M10	20-25
38479	M8-M10	26-30
38480	M8-M10	32-36
38481	M8-M10	38-42
38482	M8-M10	44-49
38483	M8-M10	50-55
38484	M8-M10	56-61
38485	M8-M10	62-67
38486	M8-M10	68-73
38487	M8-M10	75-80
38488	M8-M10	82-86
38489	M8-M10	87-92
38490	M8-M10	95-102
38491	M8-M10	108-116
38492	M8-M10	121-127
38493	M8-M10	131-141
38494	M8-M10	159-163
38495	M8-M10	165-169
38496	M8-M10	192-202
38497	M8-M10	210-220

Tech Sheet 68176

BSK-I clips are designed for plastic pipes with special TPE (thermoplastic elastomer) lining.

The BSK-I clip has easily removable plastic spacers between the two clip halves and can be transformed into a clenching clip without the need for tools.

**Advantages:**

- Special TPE lining with excellent low friction properties
- Transformable from sliding to clamping with easily removable spacer
- Fast assembly thanks to the patented click-spring locking system
- Noise reduction: 20 dB(A) with spacer, 18 dB(A) without spacer
- UV resistant
- Electronically zinc plated

### BSK-I Clip Range

0713	Thread	Bore Size mm
37300	M8	16
37301	M8	20
37302	M8	25
37303	M8	32
37304	M8	40
37305	M8	50
37306	M8	56
37307	M8	63
37309	M8	75
37311	M8	90
37313	M8	110

- BSI-HDI clips are rubber lined, hot dip galvanized universal clips for mounting pipes to the wall or ceiling

**Working Temperature:**  
-40°C to +120°C

**Advantages:**

- The clip has one or more strengthening ribs to achieve a strong working load
- Close fitting possible
- Noise suppression up to 17dB(A)



### BSI-HDI, Hot Dipped Galvanized

0713	Thread	Bore Size mm
38571	M8-M10	12-14
38572	M8-M10	15-19
38573	M8-M10	20-25
38574	M8-M10	26-30
38575	M8-M10	32-36
38576	M8-M10	38-43
38577	M8-M10	44-49
38578	M8-M10	50-55
38579	M8-M10	56-61
38580	M8-M10	62-67
38581	M8-M10	68-73
38582	M8-M10	75-80
38583	M8-M10	82-86
38584	M8-M10	87-92
38585	M8-M10	95-102
38586	M8-M10	108-116
38587	M8-M10	121-127
38588	M8-M10	131-141
38589	M8-M10	159-163
38590	M8-M10	165-168
38591	M8-M10	192-202
38592	M8-M10	210-220

Tech Sheet 68174

**Working Temperature:**  
-20°C to +100°C





# CLAMPS, PADLOCKS & FASTENERS

## Malleable Iron Pipe Clamps



### Standard

5555	Size mm
MIPC17-22	17-22
MIPC20-29	20-29
MIPC28-35	28-35
MIPC32-40	32-40
MIPC39-49	39-49
MIPC48-60	48-60
MIPC60-76	60-76
MIPC77-94	77-94
MIPC89-101	89-101
MIPC94-115	94-115
MIPC113-127	113-127
MIPC115-145	115-145
MIPC127-140	127-140
MIPC135-155	135-155
MIPC155-175	155-175
MIPC175-195	175-195
MIPC210-225	210-225
MIPC227-250	227-250



### With Safety Claw

5555	Size mm
MIPC22-29S	22-29
MIPC28-32S	28-32
MIPC35-42S	35-42
MIPC42-45S	42-45
MIPC45-53S	45-53
MIPC55-60S	55-60
MIPC60-73S	60-73
MIPC86-102S	86-102

## Padlocks



### Standard Brass Padlocks

0088	Size mm
SP24L	30
SP26L	40
SP28L	50



### Heavy-duty Brass Padlocks

0088	Size mm
SP158P	40
SP159P	50



### Double Lock Laminated Padlocks, 5 Pin

0088	Size mm
SP151P	50



### Brass 4 Wheel Combi Padlock

0088	Size mm
SP162P	30



### Weather Resistant Padlock

0088	Size mm
SP160P	30



### Safety Type Hasp & Staple

0088	Size
SP125P	3.1/2" x 1.1/2"

## Chains & Tie Downs



### Square Section Chains

0088	Size mm
S0256	8 x 900



### Ratchet Tie Down Set, 4 Pieces

0088	Size
LE05P	25mm x 4.5 Metres



### Heavy-duty Ratchet Tie Down

0088	Size	Tonne Capacity
LE65P	50mm x 8 Metres	1.5



### Luggage Straps

0088	Size
LE17P	12mm x 36"
LE19P	12mm x 72"





# STEEL STRAPPING & ACCESSORIES



**Band-It** patented easy scale makes the **Band-It** clamping system the industry's favourite for over 60 years. All **Band-It** sizes feature fully rounded smooth edges for safety and easy installation.

## Band-It Clamping Tool

Used to apply Band-It Band, Tote and Buckles.



### Built-in Cutter

5559  
C001

## 201 Band-It Band Stainless Steel Strapping



stainless steel



30.5 Metres

5559	Band Width mm	Band Thickness mm
C202	6.35	0.51
C203	9.53	0.63
C204	12.70	0.76
C205	15.88	0.76
C206	19.05	0.76

## 201 Band-It Band Buckles

Designed to accommodate both single and double wrap clamps.

stainless steel



### Stainless Steel, Standard, Pack of 100

5559	Band Width mm
C252	6.35
C253	9.53
C254	12.70
C255	15.88
C256	19.05

## 201 Band-It Tote Stainless Steel Strapping

Supplied in handy waterproof packaging. Colour coded for easy identification.

stainless steel



30.5 Metres

5559	Band Width mm	Band Thickness mm
C203Y	9.53	0.63
C204B	12.70	0.76
C205G	15.88	0.76
C206R	19.05	0.76

## Band-It Valustrap

Non-magnetic stainless steel strapping used with Valucups for securing signs, cable-bundling, pipe insulation and a variety of other lightweight applications.



stainless steel



30.5 Metres

5559	Band Width mm	Band Thickness mm
C133	9.60	0.38
C134	12.70	0.38
C135	15.90	0.38
C136	19.10	0.38

## Valucups



Pack of 100

5559	Band Width mm
C153	9.53
C154	12.70
C156	19.05



## Junior Preformed Clamp Tool



For use with Band-It Junior smooth ID preformed clamps.



### Built-in Cutter

5559  
C00269

## Junior Preformed Clamps

Band-It patented easy scale makes the Band-It clamping system the industry's favourite for over 60 years.

All Band-It sizes feature fully rounded smooth edges for safety and easy installation.



stainless steel

### 201 Stainless Steel

5559	ID	Band Width mm	Band Thickness mm
JS240	3/4"	6.4	0.51
JS242	1"	6.4	0.51
JS241	1.3/8"	6.4	0.51
JS252	1.1/2"	6.4	0.51
JS253	2"	6.4	0.51
JS256	2.3/4"	6.4	0.51
JS244	3"	6.4	0.51
JS257	3.1/2"	6.4	0.51
JS259	4.1/2"	6.4	0.51
JS201	13/16"	9.5	0.64
JS243	1"	9.5	0.64
JS202	1.3/8"	9.5	0.64
JS245	2"	9.5	0.64
JS246	3"	9.5	0.64
JS255	3.1/4"	9.5	0.64
JS203	1"	12.7	0.76
JS204	1.1/4"	12.7	0.76
JS236	1.3/4"	12.7	0.76
JS230	2.3/4"	12.7	0.76
JS205	1.1/2"	15.9	0.76
JS206	1.3/4"	15.9	0.76
JS207	2"	15.9	0.76
JS208	2.1/4"	15.9	0.76
JS209	2.1/2"	15.9	0.76
JS227	2"	19.1	0.76
JS210	2.3/4"	19.1	0.76
JS211	3"	19.1	0.76
JS212	3.1/2"	19.1	0.76
JS213	4"	19.1	0.76
JS214	4.1/2"	19.1	0.76
JS215	5"	19.1	0.76
JS216	6"	19.1	0.76
JS218	7"	19.1	0.76

## All Purpose Band

Band-It All Purpose Band offers versatility within varying temperatures and applications. All Purpose Band is ideal for bending and forming around virtually any section or shape. Resistant to physical abrasion, UV light and corrosive environments for many applications where plastic cable ties are simply inadequate or even dangerous.

- 316 stainless steel or galvanised carbon steel
- Pre-punched holes make fastening quick and easy
- Easy to form around any section
- Flame retardant low smoke PPA 571 coating
- Thick coating; kind to hands and cables
- Halogen free
- Simple fastening with nuts, bolts or screws
- Three widths available
- Standard black coating; other colours are available on request



### 316 Stainless Steel, Coated

stainless steel

5559	Band Width mm	Band Thickness mm	Dia of Hole mm	Length mm
AE465	12	1.3	5	10
AE466	17	1.3	7	10
AE467	26	1.3	8	10
AE475	12	1.3	5	25
AE476	17	1.3	7	25
AE477	26	1.3	8	25

Tech Sheet 68231

### 316 Stainless Steel, Uncoated

stainless steel

5559	Band Width mm	Band Thickness mm	Dia of Hole mm	Length mm
AE405	12	0.76	5	10
AE406	17	0.76	7	10
AE407	26	0.76	8	10
AE425	12	0.76	5	25
AE426	17	0.76	7	25
AE427	26	0.76	8	25

Tech Sheet 68231

### Galvanised Carbon Steel, Coated

5559	Band Width mm	Band Thickness mm	Dia of Hole mm	Length mm
AE565	12	1.3	5	10
AE566	17	1.3	7	10
AE567	26	1.3	8	10
AE575	12	1.3	5	25
AE576	17	1.3	7	25
AE577	26	1.3	8	25

Tech Sheet 68231

### Galvanised Carbon Steel, Uncoated

5559	Band Width mm	Band Thickness mm	Dia of Hole mm	Length mm
AE505	12	0.76	5	10
AE506	17	0.76	7	10
AE507	26	0.76	8	10

Tech Sheet 68231



# BANDING SYSTEM, TIE WRAPS & LOCKOUTS

## 304 Stainless Steel Banding System

To use, take one end of the cut banding and bend back 1/2".

Take a self locking head and slide it the entire length of the band until it reaches the bend.

Bend the tail flat against the bottom of the banding head to complete assembly.



0040	Type	Length Metres	Width mm	Box Quantity
<b>SBS-76L</b>	Band	76	4.6	1
<b>SBS-76H</b>	Band	76	7.9	1
<b>SBH-L</b>	Locking Head	-	4.6	100
<b>SBH-H</b>	Locking Head	-	7.9	100

## Banding & Tie Wrap Installation Tools

**FLO4MT:** Hand operated tool providing controlled tension and cut off of the excess when the pre-determined tension is reached with the squeeze of the handle. Suitable for use with banding system SBS-... and tie Wraps STW-...

**FLO2MT:** Hand operated tool providing controlled tensioning. Flush cut-off is made by twisting of the wrist. Suitable for use with banding system SBS-... and tie wraps STW-...



0040	Type
<b>FLO4MT</b>	Auto Cut Off and Tensioner
<b>FLO2MT</b>	Twist to Cut Off and Tensioner

## 304 Stainless Steel Tie Wraps



0040	Length mm	Width mm
<b>STW-201L</b>	201	4.6
<b>STW-362L</b>	362	4.6
<b>STW-679L</b>	679	4.6
<b>STW-259H</b>	259	7.9
<b>STW-838H</b>	838	7.9

## Nylon Tie Wraps



### 100 Pack

0040	Colour	Length mm	Width mm
<b>TR20036</b>	Natural	200	3.6
<b>TR28048</b>	Natural	280	4.8
<b>TR30076</b>	Natural	300	7.6
<b>TR37048</b>	Natural	370	4.8
<b>TR38076</b>	Natural	380	7.6
<b>TR10025BL</b>	Black	100	2.5
<b>TR19048BL</b>	Black	190	4.8
<b>TR20036BL</b>	Black	200	3.6
<b>TR28048BL</b>	Black	280	4.8
<b>TR37048BL</b>	Black	370	4.8
<b>TR30076BL</b>	Black	300	7.6
<b>TR38076BL</b>	Black	380	7.6

## Lockouts Label Dispensers



Labels 1.1/2" x 1"  
200 Legends per Dispenser

0040	Type	Colour
<b>LDL-RW</b>	LOCKOUT	Red on White

## Polyamide 6/6 Nylon, Cable Ties

Resistant to UV, oils, grease, salt (DNV Marine approved) and light acids. UL approved (E97527).



### Natural, Pack of 100

0040	Width mm	Length mm
<b>GP-025-0100N</b>	2.5	100
<b>GP-025-0200N</b>	2.5	200
<b>GP-036-0140N</b>	3.6	140
<b>GP-036-0200N</b>	3.6	200
<b>GP-036-0300N</b>	3.6	300
<b>GP-048-0120N</b>	4.8	120
<b>GP-048-0160N</b>	4.8	160
<b>GP-048-0200N</b>	4.8	200
<b>GP-048-0300N</b>	4.8	300
<b>GP-048-0368N</b>	4.8	368
<b>GP-076-0200N</b>	7.6	200
<b>GP-076-0240N</b>	7.6	240
<b>GP-076-0300N</b>	7.6	300
<b>GP-076-0368N</b>	7.6	368
<b>GP-090-0430N</b>	9	430
<b>GP-090-0530N</b>	9	530

Tech Sheet 20413



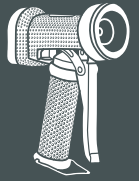
### Black, Pack of 100

0040	Width mm	Length mm
<b>GP-025-0100B</b>	2.5	100
<b>GP-025-0200B</b>	2.5	200
<b>GP-036-0140B</b>	3.6	140
<b>GP-036-0200B</b>	3.6	200
<b>GP-036-0300B</b>	3.6	300
<b>GP-048-0120B</b>	4.8	120
<b>GP-048-0160B</b>	4.8	160
<b>GP-048-0200B</b>	4.8	200
<b>GP-048-0300B</b>	4.8	300
<b>GP-048-0368B</b>	4.8	368
<b>GP-076-0200B</b>	7.6	200
<b>GP-076-0240B</b>	7.6	240
<b>GP-076-0300B</b>	7.6	300
<b>GP-076-0368B</b>	7.6	368
<b>GP-090-0430B</b>	9	430
<b>GP-090-0530B</b>	9	530

Tech Sheet 20413

# SECTION 9

## Wash Down Equipment



- **Water Guns**
- **Redashe Water Guns**
- **Nito Water Guns**
- **Nito Water Couplings**
- **Jet Wash Pressure Wash Hoses**
- **Pressure Washer Lances**
- **Pressure Washer Adaptors**
- **Pressure Washer Jets & Holders**
- **V-TUF Pressure Washers**
- **Water Spray Guns**
- **Pressure Spray Equipment**
- **Vehicle Cleaning**
- **Irrigation Pipe & Fittings**
- **Water Valves**
- **Pumps & Process**



Cleaning Brushes	587	Pressure Washer Lances	569-576
Click Fittings	582-583	Pressure Washer Nozzle Holders	579
Diaphragm Pumps	590-591	Pressure Washer Spray Nozzles	578
Extended Lances	575-576	Pressure Washers, Electric	581
Graco Diaphragm Pumps	590-591	Sprinklers	584
Irrigation Fittings	588	V-TUF Pressure Washers	581
Irrigation Pipe	588	Water Couplings & Plugs, HiPrho	579
Jet Wash Pressure Hose	566-568	Water Couplings & Plugs, Nito	560-565
Jet Wash Pressure Hose Assemblies	567	Water Couplings, Stainless Steel, Nito	565
Manual Pressure Sprayers	585-587	Water Gun, HiPrho	580
Mesto Spray Equipment	585-586	Water Gun, Nito	560
Petrol Washers, Petrol & Electrical	581	Water Guns	557-560
Porous Pipe	584	Water Guns, Brass	557
Pressure Washer Accessories	580	Water Guns, Stainless Steel	558
Pressure Washer Cleaning Fluids	580	Water Guns, Stainless Steel, Redashe	559
Pressure Washer Adaptors	577	Water Spray Guns	582
Pressure Washer Lance Triggers	574	Water Valves	589






# Heavy-duty, Brass Water Guns



- Inlet connection: 1/2" BSPP
- Automatic shut-off
- Adjustable spray pattern
- Rubber insulated body and handle
- Scuff resistant
- Trigger lock

**Note:** not suitable for use with steam.

 **Maximum Working Temperature:**  
+50°C

 **Maximum Working Pressure:**  
25 bar

#### BSPP Inlet, Brass


1369	Thread	Colour
WASH-GUN	1/2"	Blue
REDWASH-GUN	1/2"	Red



# Heavy-duty, Stainless Steel Hygienic Water Guns



- Colour coded for use in hygienic zone systems
- Inlet connection: 1/2" BSPP
- Automatic shut-off
- Adjustable spray pattern
- Non-marking rubber insulated body and handle
- Trigger lock

 **Maximum Working Temperature:**  
+90°C (intermittent use)

 **Maximum Working Pressure:**  
25 bar



#### BSPP Inlet, Stainless Steel

1369	Thread	Colour
HYGWASH-GUN	1/2"	White
HYGWASH-GUNR	1/2"	Red
HYGWASH-GUNG	1/2"	Green

# WASHDOWN & CLEANING PRODUCTS



## Water Guns



**Water Gun**

1369	Inlet BSPP
WG02	1/2"



**Water Gun**

1369	
THWS010901	



**Redashe**

- Blue available to order

**Stainless Steel Water Gun**

1369	Colour	Female Inlet BSP	Flow Rate
XGNSS	White	1/2"	25
XGNSSR	Red	1/2"	25



**Water Dispenser**

7000	
RF104	



# WATER GUN



## NiTO Ergo Water Gun

Hot-water gun with an elegant design with focus on ergonomics, quality and functionality. The shape ensures a thermal protection of the handle. The trigger is protected against unintentional activation for safety, and can be locked for prolonged use. Infinitely variable flow regulation optimises the water quantity, whatever the task. Made of impact-resistant composite material with a high resistance to chemicals.

**Maximum Working Temperature:**  
+40°C

**Maximum Working Pressure:**  
6 bar



1068	Coupling Size
40525A3	1/2"
40500A3	3/4"

## NiTO II Industry Water Gun

**Maximum Working Temperature:**  
+90°C

**Maximum Working Pressure:**  
25 bar



### BSPP

1068	Thread
30550A3	3/4"

## NiTO II Spray Nozzles



For 15mm & 20mm Hose

1068	Nozzle
20000A4	1/2"



### 3/4" Female Thread

1068	Nozzle
20300A9	3/4"

## NiTO I Water Gun



**Maximum Working Temperature:**  
+40°C

**Maximum Working Pressure:**  
6 bar

### With On/Off & Linear Flow Control

1068	Thread
53800A1	1/2"
63820A1	3/4"

## NiTO Safety Couplings

Note: 6151SA8 suitable for NiTO II industry water gun.



1068	ID
6151SA8	1/2"
6150SA8	3/4"

## NiTO Safety Plugs

Note: 61640A8 suitable for NiTO II industry water gun.



1068	ID
61640A8	1/2"
61650A3	3/4"

## NiTO O-Rings for High Pressure Couplings



1068	Description
1107A8	Viton 20 Shore
1108A8	Viton 17 Shore



## NiTO High Pressure Water Couplings

**Maximum Working Temperature:**  
+100°C

**Maximum Working Pressure:**  
250 bar

**Material:** Brass and chromium plated

- Coupling set suitable for KEW high pressure cleaners



### Complete Coupling, Female, BSPP

1068	Thread
65506B3	3/8"
Tech Sheet 20361	



### Female, BSPP

1068	Thread
65500B3	3/8"
Tech Sheet 20361	



### Male, BSPP

1068	Thread
6550NB3	M22 x 1.5
Tech Sheet 20361	

## NiTO High Pressure Water Plugs

**Maximum Working Temperature:**  
+100°C

**Maximum Working Pressure:**  
250 bar

**Material:** Brass and chromium plated



### Female Metric & BSPP

1068	Thread
65610B9	3/8"
65632B9	M22 x 1.5



### Male, Metric

1068	Thread
65641B9	M22 x 1.5



# 1/2" SYSTEM



**Working Temperature:**  
-30°C to +80°C

**Maximum Working Pressure:**  
25 bar

**Material:**  
Brass nickel plating

**Seal:**  
Nitrile

## Couplings



### Male, BSPP

1068	Thread	Operation
5350NA3	1/2"	No Valve
5353NA3	1/2"	Valved
5352NA3	3/4"	No Valve



### Female, Metric & BSPP

1068	Thread	Operation
53500A3	1/2"	No Valve
53520A3	3/4"	No Valve
53530A3	3/4"	Valved
5353GA3	M22 x 1	Valved



### Hose Tail

1068	To Suit Hose ID	Operation
5349SA3	3/8"	No Valve
5350SA3	1/2"	No Valve
5351SA3	3/4"	No Valve
5353SA3	1/2"	Valved
5354SA3	3/4"	Valved

## Plugs



### Male, Metric & BSPP

1068	Thread
5364BA3	3/8"
53640A3	1/2"
5364AA3	3/4"



### Female, Metric & BSPP

1068	Thread
53610A3	1/2"
5361AA3	3/4"
53620A3	M22 x 1



### Hose Tail

1068	ID	ID mm
5360DA3	1/4"	6
5360BA3	3/8"	8
53600A3	1/2"	13
5360CA3	5/8"	16

## Equal



1068
53650A3



## Double Hose Tail

1068	ID
5360AA3	1/2" & 3/4"



## To suit Water Gun, BSPP

1068	Thread
53611A3	1/2"



Working Temperature:  
-30°C to +80°C

Maximum Working Pressure:  
25 bar

**Material:**  
Brass nickel plating

**Seal:**  
Nitrile

## Adaptors



### Reducing Bush

1068	Male Thread	Female Thread
53690A3	1/2"	3/4"
63690A3	3/4"	1"
53700A3	1/2"	M22 x 1



### Reducing Bush

1068	Male Thread	Female Thread
5371AA3	3/4"	1/2"



### Reducing Bush

1068	Male Thread	Female Thread
5349BA8	1/2"	3/8"
53490A8	3/4"	1/2"

## Hose Union



### BSPP

1068	Thread	To Suit Hose ID
53670A3	1/2"	1/2"

## Adjustable Nozzle



1068	ID
53750A3	1/2"

## Hose Union Washer



1068	Description
1-290A8	

## NiTO O-Rings



1068	Description
53470A8	

## NiTO Washers



1068	Description
53440A8	1/2"



# 3/4" SYSTEM



**Working Temperature:**  
-30°C to +80°C

**Maximum Working Pressure:**  
25 bar

**Material:**  
Brass nickel plating

**Seal:**  
Nitrile

## Couplings



**Female, BSPP**

1068	Thread	Operation
63500A3	3/4"	No Valve
63530A3	3/4"	Valved



**Hose Tail**

1068	To Suit Hose ID	Operation
6353SA3	3/4"	Valved
6350SA3	3/4"	No Valve

## Hose Union



1068	To Suit Hose ID	ID
6367AA3	3/4"	1/2"
63670A3	3/4"	3/4"

## Adjustable Nozzle



1068	ID
63750A3	3/4"

## Plugs



**Male, BSPP**

1068	Thread
6364AA3	1/2"
63640A3	3/4"



**Female, BSPP**

1068	Thread
6361AA3	1/2"
63610A3	3/4"

## Hose Tail



1068	To Suit Hose ID	To Suit Hose ID mm
6360BA3	1/2"	13
63600A3	3/4"	16

## Double Hose Tail



1068	To Suit Hose ID
6360AA3	1" & 3/4"

## NiTO O-Rings



1068
63470A8

## NiTO Washers



1068
63440A8

**Redashe**



For Hose Reels  
see **Section 7**





# 1" SYSTEM



**Working Temperature:**  
-30°C to +80°C

**Maximum Working Pressure:**  
25 bar

**Material:**  
Brass nickel plating

**Seal:**  
Nitrile

## Couplings



### Female, BSPP

1068	Thread	Operation
73500A3	1"	No Valve
73530A3	1"	Valved

## Plugs



### Male, BSPP

1068	Thread
73640A3	1"



### Female, BSPP

1068	Thread
73610A3	1"

### Hose Tail



1068	To Suit Hose ID
7360BA3	3/4"
73600A3	1"



### Double Hose Tail

1068	To Suit Hose ID
7360AA3	1" & 1.1/4"

# CLICK™ SYSTEM

**Working Temperature:**  
-30°C to +80°C

**Maximum Working Pressure:**  
25 bar

- Click™ coupling system for the professional market - compatible with the most popular plastic couplings
- The same high quality as the original NiTO couplings

- 5 year function guarantee
- Complete programme for the trade and industry, house and garden

## Couplings



### Male, BSPP

1068	Thread
5950NA3	1/2"



### Hose Tail

1068	To Suit Hose ID
5949SA3	3/8"
5950SA3	1/2"
5951SA3	3/4"



### Female, BSPP

1068	Thread
5952GA3	1/2"



### Hose Tail with Valve

1068	To Suit Hose ID
5953SA3	1/2"

## Plugs



### Male, BSPP

1068	Thread
59640A3	1/2"



### Female, BSPP

1068	Thread
5961GA3	1/2"



### Hose Tail

1068	To Suit Hose ID
59600A3	1/2"



### Double Hose Tail

1068	To Suit Hose ID
5960AA3	1/2" & 3/4"



# STAINLESS STEEL



## NiTO Original Stainless Steel Quick Release Couplings

stainless steel



### Coupler to Female, BSPP

1068	Thread	Coupling Size
54500A3	1/2"-3/4"	1/2"
54520A3	3/4"	1/2"
64500A3	3/4"	3/4"

stainless steel



### Valve Couplers to Hose Tail

1068	To Suit Hose ID	Coupling Size
5453SA3	1/2"	1/2" with Stop Valve
6453SA3	3/4"	3/4" with Stop Valve

stainless steel



### Nipple Coupler to Double Hose Tail

1068	To Suit Hose ID	Coupling Size
5460AA3	1/2" & 3/4"	1/2"

stainless steel



### Coupler to Hose Tail

1068	To Suit Hose ID	Coupling Size
5450SA3	1/2"	1/2"
6450SA3	3/4"	3/4"

stainless steel



### Nipple Couplers to Female, BSPP

1068	Thread	Coupling Size
54610A3	1/2"	1/2"
5461AA3	3/4"	1/2"
64610A3	3/4"	3/4"

stainless steel



### Nipple Couplers to Hose Tail

1068	To Suit Hose ID	Coupling Size
54600A3	1/2"	1/2"
64600A3	3/4"	3/4"

stainless steel



### Valve Couplers to Female, BSPP

1068	To Suit Hose ID	Coupling Size
54530A3	3/4"	1/2" with Valve
64530A3	3/4"	3/4" with Valve

stainless steel



### Nipple Couplers to Male, BSPP

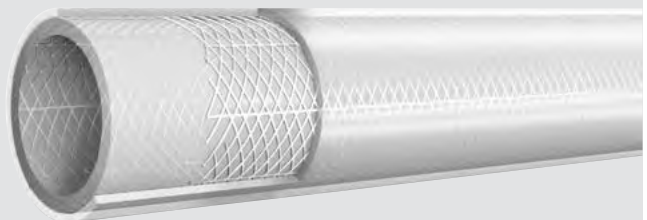
1068	Thread	Coupling Size
54611A3	1/2"	1/2"
54615A3	3/4"	1/2" (for NiTO II)
64611A3	3/4"	3/4"

stainless steel



### Male to Hose Tail, BSPP

1068	Thread	To Suit Hose ID
64670A3	3/4"	3/4"



For Food Certified Reinforced PVC Braided Hose see Section 7



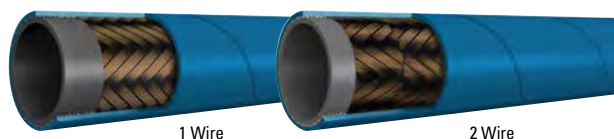


## Blue Jet Wash Pressure Washer Hose



- 1 Wire maximum length 100 metres.
- 2 Wire maximum length 100 metres.
- Oil, abrasion, ozone and weather resistant synthetic pin-pricked rubber.
- High tensile 1 and 2 wire steel braid.

° Working Temperature:  
-40°C to +155°C



1 Wire

2 Wire

## 1 Wire, 10 Metre Coils

0303	ID	Max Pressure Bar
PWBLUE-04-10-R1	1/4"	225
PWBLUE-05-10-R1	5/16"	215
PWBLUE-06-10-R1	3/8"	180

Tech Sheet 3105

## 2 Wire, 10 Metre Coils

0303	ID	Max Pressure Bar
PWBLUE-06-10-R2	3/8"	330

Tech Sheet 3105

## 1 Wire, Cut to Length, per Metre

1369	ID	Max Pressure Bar
2144-9632	1/4"	225
2052-1407	3/8"	180

Tech Sheet 3105

## 1 Wire, 25 Metre Coils

0303	ID	Max Pressure Bar
PWBLUE-04-25-R1	1/4"	225
PWBLUE-05-25-R1	5/16"	215
PWBLUE-06-25-R1	3/8"	180

Tech Sheet 3105

## 2 Wire, 100 Metre Coils

0303	ID	Max Pressure Bar
PWBLUE-04-100-R2	1/4"	400
PWBLUE-05-100-R2	5/16"	350
PWBLUE-06-100-R2	3/8"	330

Tech Sheet 3105

## 2 Wire, Cut to Length, per Metre

1369	ID	Max Pressure Bar
2144-9681	1/4"	400
2144-9699	5/16"	350
2052-1423	3/8"	330

Tech Sheet 3105

## Black Jet Wash Pressure Washer Hose



- 1 Wire maximum length 100 metres.
- 2 Wire maximum length 100 metres.
- Oil, abrasion, ozone and weather resistant synthetic pin-pricked rubber.
- High tensile 1 and 2 wire steel braid.

° Working Temperature:  
-40°C to +155°C



1 Wire

2 Wire

## 1 Wire, 10 Metre Coils

0303	ID	Max Pressure Bar
PWBLACK-04-10-R1	1/4"	225
PWBLACK-05-10-R1	5/16"	215
PWBLACK-06-10-R1	3/8"	180

Tech Sheet 3105

## 1 Wire, 100 Metre Coils

0303	ID	Max Pressure Bar
PWBLACK-04-100R1	1/4"	225

Tech Sheet 3105

## 1 Wire, Cut to Length, per Metre

1369	ID	Max Pressure Bar
2144-9657	1/4"	225
2144-9665	5/16"	215
2144-9673	3/8"	180

Tech Sheet 3105

## 1 Wire, 25 Metre Coils

0303	ID	Max Pressure Bar
PWBLACK-04-25-R1	1/4"	225
PWBLACK-05-25-R1	5/16"	215
PWBLACK-06-25-R1	3/8"	180

Tech Sheet 3105

## 2 Wire, 100 Metre Coils

0303	ID	Max Pressure Bar
PWBLACK-04-100R2	1/4"	400
PWBLACK-05-100R2	5/16"	350
PWBLACK-06-100R2	3/8"	330

Tech Sheet 3105

## 2 Wire, Cut to Length, per Metre

1369	ID	Max Pressure Bar
2144-9715	1/4"	400
2144-9723	5/16"	350
2144-9731	3/8"	330

Tech Sheet 3105

# WASH DOWN EQUIPMENT



## Pressure Washer Hose Assemblies

- Oil and water resistant synthetic pin-pricked rubber.
- Special high temperature synthetic rubber cover.
- Blue suitable where non marking hose is required.
- Black suitable to handle pressure washer service.



### 1 Wire Braid 3/8" ID, 10 Metre Hose, 3/8" BSPP Male x Female

1369	ID	Max Pressure Bar	Colour
1PWLA-M-F-38N	3/8"	180	Black

### 1 Wire Braid 1/4" ID, 10 Metre Hose, 1/4" BSPP Female

1369	ID	Max Pressure Bar	Colour
1PWLA-14N	1/4"	225	Black

### 1 Wire Braid 3/8" ID, 10 Metre Hose, 3/8" BSPP Female

1369	ID	Max Pressure Bar	Colour
1PWLA-38B	3/8"	180	Blue
1PWLA-38N	3/8"	180	Black



### 2 Wire Braid 3/8" ID, 10 Metre Hose, 3/8" BSPP Female

1369	ID	Max Pressure Bar	Colour
2PWLA-38B	3/8"	330	Blue
2PWLA-38N	3/8"	330	Black

### 2 Wire Braid 3/8" ID, 10 Metre Hose, M22 x 1.5 x M22 x 1.5

1369	ID	Max Pressure Bar	Colour
2PWLA-K-K-38B	3/8"	330	Blue
2PWLA-K-K-38N	3/8"	330	Black

### 2 Wire Braid 3/8" ID, 10 Metre Hose, M22 x 1.5 x 3/8" BSPP Female

1369	ID	Max Pressure Bar	Colour
2PWLA-K-F-38B	3/8"	330	Blue
2PWLA-K-F-38N	3/8"	330	Black

### 2 Wire Braid 3/8" ID, 10 Metre Hose, M22 x 1.5 x 3/8" BSPP Male

1369	ID	Max Pressure Bar	Colour
2PWLA-K-M-38B	3/8"	330	Blue
2PWLA-K-M-38N	3/8"	330	Black

## Bend Restrictor Assembly



### Brass M22 x 1.5 Female, with Steel Tail & Ferrule

0300	To Suit Hose ID
M22-CUFF-4	1/4"
M22-CUFF-5	5/16"
M22-CUFF-6	3/8"

## Jet Wash Female Hose Couplings



### M22 x 1.5 Female Thread

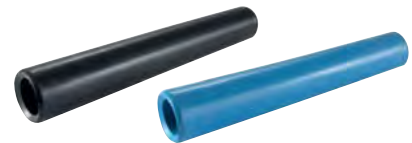
0300	To Suit Hose ID
JWF-22-04	1/4"
JWF-22-05	5/16"
JWF-22-06	3/8"

### Stainless Steel, M22 x 1.5 Female Thread

0044	To Suit Hose ID
DKO-KA-DN06	1/4"
DKO-KA-DN08	5/16"
DKO-KA-DN10	3/8"
DKO-KA-DN12	1/2"

Tech Sheet 60627

## End Cuff



### Suitable for 1 & 2 Wire

0303	Colour	To Suit Hose ID
1/4-BLUE-CUFF	Blue	1/4"
1/4-BLACK-CUFF	Black	1/4"
3/8-BLUE-CUFF	Blue	3/8"
3/8-BLACK-CUFF	Black	3/8"

## Jet Wash Male Hose Couplings



### Male Adaptor

0300	To Suit Hose ID
JWM-04	1/4"
JWM-05	5/16"
JWM-06	3/8"





## Blue Cold Water Pressure Wash Hose



° Working Temperature:  
-40°C to +100°C



### 1 Wire, 50 Metre Coils

0303	ID	Max Pressure Bar
CWBLUE04-50-R1	1/4"	190
CWBLUE05-50-R1	5/16"	175
CWBLUE06-50-R1	3/8"	157

Tech Sheet 10262

### 1 Wire, 25 Metre Coils

0303	ID	Max Pressure Bar
CWBLUE04-25-R1	1/4"	190
CWBLUE05-25-R1	5/16"	175
CWBLUE06-25-R1	3/8"	157

Tech Sheet 10262

### 1 Wire, Cut to Length, Per Metre

0303	ID	Max Pressure Bar
CWBLUE04-1-R1	1/4"	190
CWBLUE05-1-R1	5/16"	175
CWBLUE06-1-R1	3/8"	157

Tech Sheet 10262

### 2 Wire, 50 Metre Coils

0303	ID	Max Pressure Bar
CWBLUE04-50-R2	1/4"	350
CWBLUE05-50-R2	5/16"	297
CWBLUE06-50-R2	3/8"	280

Tech Sheet 10262

### 2 Wire, 25 Metre Coils

0303	ID	Max Pressure Bar
CWBLUE04-25-R2	1/4"	350
CWBLUE05-25-R2	5/16"	297
CWBLUE06-25-R2	3/8"	280

Tech Sheet 10262

### 2 Wire, Cut to Length, Per Metre

0303	ID	Max Pressure Bar
CWBLUE04-1-R2	1/4"	350
CWBLUE05-1-R2	5/16"	297
CWBLUE06-1-R2	3/8"	280

Tech Sheet 10262

## Black Cold Water Pressure Wash Hose



° Working Temperature:  
-40°C to +100°C



### 1 Wire, 50 Metre Coils

0303	ID	Max Pressure Bar
CWBLACK04-50-R1	1/4"	190
CWBLACK05-50-R1	5/16"	175
CWBLACK06-50-R1	3/8"	157

Tech Sheet 10262

### 1 Wire, 25 Metre Coils

0303	ID	Max Pressure Bar
CWBLACK04-25-R1	1/4"	190
CWBLACK05-25-R1	5/16"	175
CWBLACK06-25-R1	3/8"	157

Tech Sheet 10262

### 1 Wire, Cut to Length, Per Metre

0303	ID	Max Pressure Bar
CWBLACK04-1-R1	1/4"	190
CWBLACK05-1-R1	5/16"	175
CWBLACK06-1-R1	3/8"	157

Tech Sheet 10262

### 2 Wire, 50 Metre Coils

0303	ID	Max Pressure Bar
CWBLACK04-50-R2	1/4"	350
CWBLACK05-50-R2	5/16"	297
CWBLACK06-50-R2	3/8"	280

Tech Sheet 10262

### 2 Wire, 25 Metre Coils

0303	ID	Max Pressure Bar
CWBLACK04-25-R2	1/4"	350
CWBLACK05-25-R2	5/16"	297
CWBLACK06-25-R2	3/8"	280

Tech Sheet 10262

### 2 Wire, Cut to Length, Per Metre

0303	ID	Max Pressure Bar
CWBLACK04-1-R2	1/4"	350
CWBLACK05-1-R2	5/16"	297
CWBLACK06-1-R2	3/8"	280

Tech Sheet 10262







## Pressure Washer Lances

- Inlet connection: 3/8" BSPP
- Maximum flow: 25 L/min
- 15° spray pattern nozzle

**Maximum Working Temperature:**  
+150°C

**Maximum Working Pressure:**  
280 bar

**Hand grip options:** moulded or vented.  
**Lance style options:** straight or 15° bend.  
**Length options:** 430-900mm.

### Straight Moulded Grip

1369	Thread	Length mm	Max Pressure Bar
PRESSURE-LANCESH	3/8"	430	250
PRESSURE-LANCE	3/8"	900	280

### 15° Moulded Grip

1369	Thread	Length mm	Max Pressure Bar
PRESSURE-LANCE15	3/8"	900	280

### Straight, Vented Grip

1369	Thread	Length mm	Max Pressure Bar
PRESSURE-L500V	3/8"	500	280
PRESSURE-L635V	3/8"	635	280
PRESSURE-L760V	3/8"	760	280
PRESSURE-L900V	3/8"	900	280

### 15° Vented Grip

1369	Thread	Length mm	Max Pressure Bar
PRESSURE-L15500V	3/8"	500	280
PRESSURE-L15635V	3/8"	635	280
PRESSURE-L15760V	3/8"	760	280
PRESSURE-L15900V	3/8"	900	280

Short Straight, Moulded Grip

Straight, Moulded Grip

15° Moulded Grip

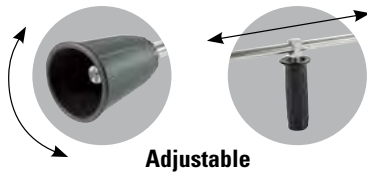
Straight, Vented Grip

15° Vented Grip



- Inlet connection: 3/8" BSPP
- Maximum flow: 40 L/min
- Solid moulded or vented hand grips
- Nozzle holder and protector

- 15° spray pattern nozzle
- 900mm lance length
- Adjustable high/low pressure nozzle
- Extra hand grip allows the user more control of the spray



**Maximum Working Temperature:**  
+150°C

**Maximum Working Pressure:**  
280 bar

### Solid Moulded Hand Grip, BSPP

1369	Thread	Length mm
CD-2502	3/8"	900

### Vented Moulded Hand Grip, BSPP

1369	Thread	Length mm
CD-2501	3/8"	900

Solid Moulded Hand Grip

Vented Moulded Hand Grip







## Pressure Washer Trigger & Lance Assemblies

 Maximum Working Temperature:  
+150°C

Flow: 40 L/min



### High Flow, Short Lance, BSPP

1369	Thread	Length mm	Max Pressure Bar
PWLA1	3/8"	400	310

Flow: 40 L/min



### High Flow, Long Lance, BSPP

1369	Thread	Length mm	Max Pressure Bar
PWLA2	3/8"	900	250

Flow: 25 L/min



### Low Flow, Twin Lance with Top Control, BSPP

1369	Thread	Length mm	Max Pressure Bar
PWLA3	3/8"	1060	280

Flow: 30 L/min



### High Flow, Twin Lance with Top Control, BSPP

1369	Thread	Length mm	Max Pressure Bar
PWLA4	3/8"	1060	310

Flow: 25 L/min



### Low Flow, Twin Lance with Handle, BSPP

1369	Thread	Length mm	Max Pressure Bar
PWLA5	3/8"	1060	280

Flow: 40 L/min



### High Flow, Twin Lance with Handle, BSPP

1369	Thread	Length mm	Max Pressure Bar
PWLA6	3/8"	1060	345





# WASH DOWN EQUIPMENT

## Pressure Washer Trigger & Lance Assemblies

**Maximum Working Temperature:**  
+150°C

**Flow:** 25 L/min

**stainless steel**



**Low Flow, Twin Stainless Steel Lance with Top Control, BSPP**

1369	Thread	Max Pressure Bar
PWLA7	3/8"	280

**Flow:** 40 L/min

**stainless steel**



**High Flow, Twin Stainless Steel Lance with Handle, BSPP**

1369	Thread	Max Pressure Bar
PWLA8	3/8"	250

## Wash Down Lance & Trigger

Our high pressure water assembly has a 900mm zinc plated straight lance, single moulded hand grip, nozzle holder and protector.

**Maximum Flow:** 40

**Maximum Working Temperature:**  
+150°C

**Maximum Working Pressure:**  
310 bar



**High Pressure, High Flow, Long Lance, BSPP**

1369	Thread	Length mm	Max Pressure Bar
1002-0038	3/8"	900	310

**Flow:** 25 L/min

**stainless steel**



**Low Flow, Twin Stainless Steel Lance with Handle, BSPP**

1369	Thread	Max Pressure Bar
PWLA9	3/8"	280

**Flow:** 40 L/min

**stainless steel**



**High Flow, Twin Stainless Steel Lance, with Top Control, BSPP**

1369	Thread	Max Pressure Bar
PWLA10	3/8"	250



# HiPRHO<sub>2</sub>

## PRESSURE LANCE CONFIGURATOR



PWAA-14F  
PWAA-14M  
See page 577



PWAB-14M  
21-051  
21-049  
PWAB-14F  
PWAB-22MM  
PWAB-22FF  
See page 577




CDQ1500  
CDQ1900  
CDQ1600  
CDQ2100  
ST7  
ST900  
SW-ST4  
SW-ST6  
See page 574



BC-13  
BA-16  
BD-20  
CDBB-20  
BMG-20  
CDBJ-20  
CDBU-42  
CDBV-42  
See page 575



CDE  
See page 580



CDAZ  
See page 580

**PWFC-20**

**CDO**

**CDL**

**B06**

See page 580

**FGB-1**

See page 576

**CDN**

**CDM**

See page 580

**SSTLTC**

**SSTLH**

**ZPTLH**

**ZPTLTC**

**SL-2**

**SL-3**

**SL-5**

**SL-7**

**SL-10**

**SL-12**

See page 576

**CDQP001-14**

**CDH004**

**CDQC-14**

**CDH006**

**9203L**

**CDH002**

**9202L**

**CDC-14F-14M-B**

**CDH005**

**SJN-2-045**

**CDH001**

**RSJN-2-045**

See pages 578-579

**2021-8061**

**2020-2982**

**A00050**

**9203L**

**9202L**

See pages 578-579

## Pressure Wash Lance Triggers

° Maximum Working Temperature:  
+150°C

⌚ Maximum Working Pressure:  
280 bar



## BSPP, 25 L/min

1369	Inlet Thread	Outlet Thread
ST900	3/8"	1/4"

° Maximum Working Temperature:  
+150°C

⌚ Maximum Working Pressure:  
280 bar



## BSPP, 40 L/min, Soft Grip

1369	Inlet Thread	Outlet Thread
CDQ1500	3/8"	1/4"

° Maximum Working Temperature:  
+150°C

⌚ Maximum Working Pressure:  
310 bar



## BSPP, 30 L/min, High Pressure

1369	Inlet Thread	Outlet Thread
ST-5	3/8"	1/4"

° Maximum Working Temperature:  
+150°C

⌚ Maximum Working Pressure:  
280 bar



## BSPP, 25 L/min

1369	Inlet Thread	Outlet Thread
CDQ1900	3/8"	1/4"

° Maximum Working Temperature:  
+150°C

⌚ Maximum Working Pressure:  
345 bar



## BSPP, 45 L/min, In-line

1369	Inlet Thread	Outlet Thread
CDQ2100	3/8"	1/4"

° Maximum Working Temperature:  
+150°C

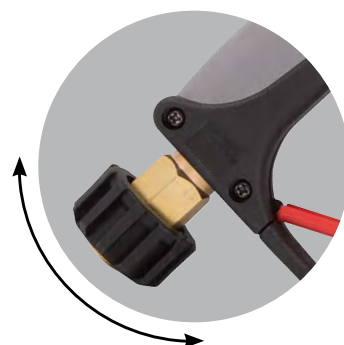
⌚ Maximum Working Pressure:  
345 bar



## BSPP, 45 L/min

1369	Inlet Thread	Outlet Thread
CDQ1600	3/8"	1/4"

## Pressure Wash Lance Swivel Triggers



° Maximum Working Temperature:  
+150°C

⌚ Maximum Working Pressure:  
345 bar



## Metric, 40 L/min

1369	Inlet Thread	Outlet Thread
ST-7	M22 x 1.5 Female	M22 x 1.5 Female

° Maximum Working Temperature:  
+150°C

⌚ Maximum Working Pressure:  
345 bar



## BSPP, 37 L/min

1369	Inlet Thread	Outlet Thread
SW-ST4	3/8"	1/4"

° Maximum Working Temperature:  
+150°C

⌚ Maximum Working Pressure:  
345 bar



## BSPP, 40 L/min

1369	Inlet Thread	Outlet Thread
SW-ST6	M22 x 1.5 Male	1/4"



## Extended Lances, 1/4" BSPT Male Inlet/Outlet



**Maximum Working Temperature:**  
+150°C
 **Maximum Working Pressure:**  
280 bar

### Straight Vented Grip, 30 L/min

1369	Length mm
BD-20	500
BD-25	635
BD-30	760
BD-36	900



**Maximum Working Temperature:**  
+150°C
 **Maximum Working Pressure:**  
280 bar

### Angled Moulded Grip, 45 L/min

1369	Length mm
CDBJ-20	500
CDBJ-25	635
CDBJ-30	760
CDBJ-36	900

## Extended Lances, 1/4" Male Inlet x M22 Female Outlet



**Maximum Working Temperature:**  
+150°C
 **Maximum Working Pressure:**  
250 bar

### Straight Vented Grip, 80 L/min

1369	Length mm
BA-16	405
BA-18	457
BA-20	508



**Maximum Working Temperature:**  
+150°C
 **Maximum Working Pressure:**  
280 bar

### Angled Vented Grip, 45 L/min

1369	Length mm
CDBB-20	500
CDBB-25	635
CDBB-30	760
CDBB-36	900



**Maximum Working Temperature:**  
+150°C
 **Maximum Working Pressure:**  
280 bar

### Angled Twin Moulded Grip, 30 L/min

1369	Length mm
CDBU-42	1065
CDBU-47	1190
CDBU-50	1270



**Maximum Working Temperature:**  
+150°C
 **Maximum Working Pressure:**  
280 bar

### Straight Moulded Grip, 45 L/min

1369	Length mm
BC-13	330
BC-15	380
BC-18	457
BC-20	508



**Maximum Working Temperature:**  
+150°C
 **Maximum Working Pressure:**  
280 bar

### Straight Moulded Grip, 45 L/min

1369	Length mm
BMG-20	500
BMG-25	635
BMG-30	760
BMG-36	900



**Maximum Working Temperature:**  
+150°C
 **Maximum Working Pressure:**  
280 bar

### Straight Twin Moulded Grip, 80 L/min

1369	Length mm
CDBV-42	1065
CDBV-47	1190
CDBV-50	1270

## M22 Extension & Nozzle



**Maximum Working Temperature:**  
+60°C
 **Maximum Working Pressure:**  
150 bar

### Adjustable M22 Male Extension, 25 L/min

1369	Length mm
CDBL-15	375







## Twin Pressure Washer Lances

Maximum Working Temperature: +60°C

Maximum Working Pressure: 250 bar

Flow: 35 L/min

stainless steel



## Stainless Steel Twin Lance with Top Control, BSPP

1369	Thread
SSTLTC	1/4"

Flow: 45 L/min

stainless steel



## Stainless Steel Twin Lance with Handle, BSPP

1369	Thread
SSTLH	1/4"

Flow: 45 L/min



## Zinc Plated Twin Lance with Handle, BSPP

1369	Thread
ZPTLH	1/4"

Flow: 45 L/min



## Zinc Plated Twin Lance with Top Control, BSPP

1369	Thread
ZPTLTC	1/4"

## Pressure Washer Lances

All supplied with 1/4" female thread nozzle holder and protector. 1/4" male thread inlet.

Maximum Working Temperature: +150°C

Maximum Working Pressure: 250 bar

Maximum Flow: 40 L/min



## Straight with Moulded Grip Zinc Plated

1369	Length mm	No of Grips
SL-2	900	1



## Bent End with Moulded Grip Zinc Plated

1369	Length mm	No of Grips
SL-3	900	1
SL-4	1200	2



## Bent End with Hollow Grip Zinc Plated

1369	Length mm	No of Grips
SL-5	700	1



## Bent End with Vented Grip Zinc Plated

1369	Length mm	No of Grips
SL-7	900	1
SL-8	900	2



stainless steel

## Bent End with Moulded Grip Stainless Steel

1369	Length mm	No of Grips
SL-10	900	1
SL-11	1200	1



stainless steel

## Straight with Moulded Grip Stainless Steel

1369	Guard Type	Length mm	No of Grips
SL-12	Screw	900	1
SL-13	Slide on	900	1

## Heavy-duty Foam Injection Bottle

- Heavy-duty foam injection bottle connects easily to your existing pressure washer lance or gun.
- Foam bottle sprays foam all over the vehicle creating the "snow bath effect".
- 1/4" BSPP male inlet connection.
- 1 litre bottle.
- 1/4" x 1/4" adaptor removable for ease. Other adaptors can be fitted.
- Variable angle spray pattern nozzle.
- Adjustable detergent displacement.

Maximum Working Temperature: +60°C

Maximum Working Pressure: 275 bar



## Male, BSPP

1369	Thread
FGB-1	1/4"





## Pressure Washer Adaptors

Maximum Flow: 40 L/min

Maximum Working Temperature: +140°C

Maximum Working Pressure: 210 bar



### BSPP Male x Female M22 x 1.5

1369	Thread
PWAB-14M	1/4"
PWAB-38M	3/8"
PWAB-12M	1/2"

Maximum Working Temperature: +150°C

Maximum Working Pressure: 280 bar



### M22 x 1.5 Male

1369	Thread
PWAB-22MM	M22 x 1.5

Maximum Flow: 40 L/min

Maximum Working Temperature: +140°C

Maximum Working Pressure: 210 bar



### BSPT Male x M22 x 1.5 Male

1369	Thread
PWAA-14M	1/4"
PWAA-38M	3/8"

Maximum Flow: 40 L/min

Maximum Working Temperature: +140°C

Maximum Working Pressure: 210 bar



### BSPP Female x Male M22 x 1.5

1369	Thread
PWAA-14F	1/4"
PWAA-38F	3/8"
PWAA-12F	1/2"
PWAA-22F	M22 x 1.5

Maximum Working Temperature: +150°C

Maximum Working Pressure: 280 bar



### M22 x 1.5 Female

1369	Thread
PWAB-22FF	M22 x 1.5

Maximum Working Temperature: +130°C

Maximum Working Pressure: 250 bar



### Twin Nozzle Holders

1369	Thread	Description
22-061	1/4"	With Protective Cover

Maximum Working Temperature: +90°C

Maximum Working Pressure: 250 bar



### Compact Swivel Coupling Brass, 3/8" BSPP

1369
21-049

Maximum Working Temperature: +130°C

Maximum Working Pressure: 250 bar



### Brass Swivel Coupling Standard, BSPP

1369	Thread
21-051	1/4"
21-050	3/8"
21-052	1/2"

Maximum Working Temperature: +130°C

Maximum Working Pressure: 250 bar



### M22 x 1.5 Male Hose Coupling with Insulated Grip

1369	Thread
30-028	M22 x 1.5

Maximum Flow: 40 L/min

Maximum Working Temperature: +140°C

Maximum Working Pressure: 210 bar



### BSPP Female x M22 x 1.5 Female

1369	Thread
PWAB-14F	1/4"
PWAB-38F	3/8"

Maximum Working Temperature: +130°C

Maximum Working Pressure: 250 bar



### Stainless Steel Swivel Coupling Standard, BSPP

stainless steel

1369	Thread
21-055	1/4"
21-056	3/8"
21-057	1/2"

Maximum Working Temperature: +130°C

Maximum Working Pressure: 250 bar



### Foam Thickener

1369	Thread
26-0021	1/4"



# WASH DOWN EQUIPMENT

## High Pressure Spray Nozzles

Stainless steel, 1/4" male thread with a hardened steel insert for longer life and better accuracy, suitable for single and double lances.



### Stainless Steel, 1/4" BSPT Male

1369	Spray Pattern	LPM @ 50 Bar	LPM @ 100 Bar	LPM @ 150 Bar
2020-2982	0°	8	11.3	13.8
2020-2990	0°	8.7	12.4	15.2
2020-3014	0°	9.6	13.6	16.7
2020-3089	15°	8	11.3	13.8
2020-3105	15°	8.7	12.4	15.2
2020-3113	15°	9.6	13.6	16.7
2020-3139	25°	8	11.3	13.8
2020-3147	25°	8.7	12.4	15.2
2020-3154	25°	9.6	13.6	16.7
2020-3162	40°	8	11.3	13.8
2020-3188	40°	8.7	12.4	15.2
2020-3204	40°	9.6	13.6	16.7

### Brass, 1/4" BSPT Male

1369
2021-8061

## Rotating Head Nozzle

Flow: 45 L/min

Maximum Working Temperature: +90°C

Maximum Working Pressure: 345 bar



### 1/4" Female, BSPP

1369
9202L

## Fixed Head Nozzle

Flow: 45 L/min

Maximum Working Temperature: +90°C

Maximum Working Pressure: 280 bar



### 1/4" Female, BSPP

1369
9203L

## 1/4" High Pressure Quick Release Nozzles



### A Series Nozzles

1369	Spray Pattern	LPM @ 50 Bar	LPM @ 100 Bar	LPM @ 150 Bar	Colour
A00050	0°	8	11.3	13.8	Red
A00055	0°	8.7	12.4	15.2	Red
A00060	0°	9.6	13.6	16.7	Red
A15050	15°	8	11.3	13.8	Yellow
A15055	15°	8.7	12.4	15.2	Yellow
A15060	15°	9.6	13.6	16.7	Yellow
A25050	25°	8	11.3	13.8	Green
A25055	25°	8.7	12.4	15.2	Green
A25060	25°	9.6	13.6	16.7	Green
A40050	40°	8	11.3	13.8	White
A40055	40°	8.7	12.4	15.2	White
A40060	40°	9.6	13.6	16.7	White

## Adjustable Pressure Nozzle

Flow: 25 L/min

Maximum Working Temperature: +60°C

Maximum Working Pressure: 200 bar



### 1/4" Female, BSPP

1369
CDQC-14

## Fixed Jet Pressure Nozzle

Maximum Working Temperature: +90°C

Maximum Working Pressure: 385 bar



## Sewer Drain Cleaning Head, 1 Forward 3 Rear, 1/4" Female, BSPP

1369	Nozzle	Flow @ 380 Bar
CDQP045-14	0.70mm-045	20 LPM
CDQP001-14	1.0mm-080	35 LPM

## Drain Nozzles

Maximum Working Temperature: +95°C

Maximum Working Pressure: 385 bar



### Fixed, BSPP

1369	Thread	Nozzle Dia mm
SJN-2-045	1/8"	0.7
SJN-2-050	1/8"	0.75
SJN-2-055	1/8"	0.8
SJN-4-045	1/4"	0.7
SJN-4-050	1/4"	0.75
SJN-4-055	1/4"	0.8
SJN-6-045	3/8"	0.7
SJN-6-050	3/8"	0.75
SJN-6-055	3/8"	0.8

Maximum Working Temperature: +95°C

Maximum Working Pressure: 280 bar



### Rotating, BSPP

1369	Thread	Nozzle Dia mm
RSJN-2-045	1/8"	0.7
RSJN-2-050	1/8"	0.75
RSJN-2-055	1/8"	0.8
RSJN-4-045	1/4"	0.7
RSJN-4-050	1/4"	0.75
RSJN-4-055	1/4"	0.8
RSJN-6-045	3/8"	0.7
RSJN-6-050	3/8"	0.75



## Nozzle Holders

Flow: 36 L/min

Maximum Working Temperature: +60°C

Maximum Working Pressure: 250 bar



### Steel, 1/4" Female x 1/4" Female, BSPP

1369  
CDH005

Flow: 36 L/min

Maximum Working Temperature: +90°C

Maximum Working Pressure: 250 bar



### Steel, 1/4" Female x 1/4" Female, Adjustable with Protector, BSPP

1369  
CDH004

Flow: 36 L/min

Maximum Working Temperature: +90°C

Maximum Working Pressure: 250 bar



### Brass, 1/4" Female x 1/4" Female, BSPP

1369  
CDH002

Flow: 36 L/min

Maximum Working Temperature: +90°C

Maximum Working Pressure: 250 bar



### Brass, 1/4" Female x 1/4" Female, Adjustable with Protector, BSPP

1369  
CDH006

Flow: 36 L/min

Maximum Working Temperature: +90°C

Maximum Working Pressure: 250 bar



### Short Brass, 1/4" Female x 1/4" Female, BSPP

1369  
CDH001

## High Pressure Water Quick Release Coupling & Plug

Interchangeable with:  
Nito High Pressure Water Coupling  
40 Series water coupling

Maximum Working Pressure:  
210 bar



### Female Coupling, BSPP

1369	Thread
PWQRC-38	3/8"



### Female Plug, BSPP

1369	Thread
PWQRP-38	3/8"

## Couplings to suit A Series Nozzles



### 1/4" BSPP Female Quick Release Coupling

1369
CDC-14F-14M-B



### 1/4" BSPP Male Quick Release Coupling

1369
CDC-14M-14M-B

## Coupling & Adaptor



### 1/4" Brass Bayonet, Female

1369
CDAX



# WASH DOWN EQUIPMENT



## Pressure Wash Floor Cleaner

- 20"/500mm diameter
- 3/8" BSPP inlet
- Stainless steel construction
- 280 bar/4,000 psi maximum pressure
- 40 litres per minute at +100°C
- Maximum flow complete with 3 x 25° nozzles

**Maximum Working Temperature:**  
+100°C



**20" Stainless Steel Floor Cleaning Tool**

0363	Thread
PWFC-20	3/8"

## Pressure Wash Accessories

**Maximum Working Temperature:**  
+100°C

**Maximum Working Pressure:**  
190 bar



**Spare Handle**

1369
CDAZ



**Hand Scrubbing Brush**

1369
CDN



**Rotating Scrubbing Brush**

1369
CDM



**Rotating Floor Scrubbing Brush**

1369
CDO

## Water Spray Gun

- Impact resistant lightweight plastic gun
- Brass valve assembly for long life
- 6 spray settings



**BSPP Inlet**

1369	Thread
B06	3/4"

## Tools Adaptors



**Lance M22 to CDL Adaptor**

1369	Thread
CDE	M22



**CDE to Tools Adaptor**

1369
CDL

## Cleaning Fluids

- PowerWash TFR is used in conjunction with mobile pressure washers, fixed arch moving gantries, and ultrasonic low pressure equipment.
- Specially designed for use in hot or cold pressure wash equipment.
- Highly economical to use and best results are obtained at very low concentration.

### General Purpose Pressure Wash Detergent

0088	Volume Litres
59603-25	25



- Methanol free non-toxic concentrated screen wash designed for year round use.
- Leaves windscreens clean and smear free.

### Screenwash

0088	Volume Litres
54027-5	5
54027-25	25



Due to restrictions imposed by the Transport of Dangerous Goods Act, these products are available for delivery to MAINLAND UK ONLY. For further information please contact our customer service department.







## Pressure Washers Electric & Petrol



**V-TUF Electric Mobile Pressure Washer**

1369	Voltage	Pressure Bar
SE130	240V	130



**V-TUF Rapid VSC Electric Hot Water Pressure Washer**

1369	Pressure Bar	Flow L/min	Power	Voltage
RAPIDVSC240	100	11	3HP	240V



**V-TUF Torrent 3 Trolley Mounted Petrol Pressure Washer**

1369	Pressure PSI	Flow L/min	Displacement	Start
TORRENT-3	4000	15.1	13	Recoil



**V-TUF Torrent 1 Trolley Mounted Petrol Pressure Washer**

1369	Pressure PSI	Flow L/min	Displacement	Start
TORRENT-1	2500	13	7HP	Recoil



**V-TUF Electric Mobile Pressure Washer**

1369	Voltage	Pressure PSI
VTUF240	240V	1450



**V-TUF Stainless 20" Tri-Bar Patio Surface Cleaner**

1369	Flow L/min	Pressure PSI
H1.007	45	4000







## Spray Guns

9 spray patterns. Supplied with 1/2" quick connect male to 3/4" BSPP connector.



### Spray Lance

0399	Size mm
TOOL-371756	770

9 pattern adjustable head with rubberised pistol grip. Supplied with 1/2" quick connect male to 3/4" BSPP.



### 9 Pattern Spray Gun

0399	
TOOL-969746	

## Roses



### Large Alloy Rose, BSPP

0399	Thread
KA-15-00-07F	3/4"

## Water Nozzles



### Brass Jet Nozzles

0399	ID
BJN12	1/2"
BJN34	3/4"
BJN1	1"

### Metal Spray Gun

0399	
KA-03-94-76	



### Metal 6 Function Spray Gun

0399	
KA-03-94-79	

## Spray Gun Accessories

Solid brass 1/2" quick connect male to 3/4" BSPP.



### Brass Internal Adaptor

0399	
TOOL-244973	

Solid brass 3/4" BSPP-1/2" quick connect male. 3/4" BSPP fits 1/2" outside tap.



### Brass Tap Connector

0399	
TOOL-598438	

Solid brass 1/2" quick connect male to male to male.



### Brass 3 Way Connector

0399	
TOOL-763559	

Solid brass 1/2" quick connect male to male.



### Brass Quick Connector Joiner

0399	
TOOL-783093	

Solid brass 1/2" compression to 1/2" compression.



### Brass Hose Joiner

0399	
TOOL-633535	





## Spray Gun Accessories

Solid brass spray nozzle with infinite spray patterns. 1/2" quick connect.



### 100mm Brass Spray Nozzle

0399  
TOOL-427551

Solid brass 1/2" quick connect female to 1/2" compression. Auto stop.



### Brass Quick Connector with Auto Stop

0399  
TOOL-196506

Solid brass 1/2" quick connect female to 1/2" compression without auto stop.



### Brass Quick Connector without Auto Stop

0399  
TOOL-868573

Solid brass 100mm spray nozzle, 2 x 1/2" quick connectors with water stop. 3/4" BSP tap adaptor fits 1/2" outdoor tap. Infinite spray patterns.



### Brass Fitting Set

0399  
TOOL-793753

5 piece plastic hose fitting set 1 x 1/2" quick connect without water stop, 3/4" BSP tap connector and 100mm spray nozzle with infinite spray pattern.



### 4 Piece Hose Connector Set

0399  
TOOL-394989

## Spray Gun Display Packs

Display box of 50 plastic 1/2" connect female to 1/2" compression.



### 1/2" Waterstop Hose Connector

0399	Quantity
TOOL-196539	50

Display box of 50 plastic 3/4" BSP accessory connectors.



### 3/4" Accessories Connector

0399	Quantity
TOOL-580449	50

Display box of 50 plastic 1/2" male to male to male quick connectors.



### 1/2" 3 Way Connector

0399	Quantity
TOOL-719787	50

Display box of 50 plastic 1/2" male to 1/2" male quick connectors.



### 1/2" 2 Way Connector

0399	Quantity
TOOL-656601	50

Display box of 50 plastic 1/2" quick connect female to 1/2" compression.



### 1/2" Hose Connector

0399	Quantity
TOOL-598479	50

Display box of 50 plastic tap connectors.



### 3/4" Tap Connector

0399	Quantity
TOOL-456968	50

Display box of 50 plastic hose joiners 1/2" compression to 1/2" compression.



### 1/2" Hose Repair Connector

0399	Quantity
TOOL-793780	50





## Sprinklers

Unique lower pressure sprinkler featuring butterfly type rotating spinner and rotary frame which provides even water distribution.



### Pope Rotoframe Sprinkler, BSPP

0399	Thread	OD mm
KA-59-00-10	1/2"	4.5

Part circle brass sprinkler with fingertip adjustment for watering full 26m circle or any part of it. Baffle deflector controls height of jet and diameter of circle. Diffuser pin adjusts from heavy to fine stream.



### Part Circle Metal Sprinkler, BSPP

0399	Thread	OD mm
KA-60-04-23-40	1/2"	4

Heavy-duty metal construction. Large part circle sprinkler with stainless steel springs and axle. Easy fingertip adjustment to any part of circle. 28m coverage.



### Large Part Circle Metal Sprinkler, BSPP

0399	Thread	OD mm
KA-62-33-00	3/4"	3.9

Die-cast aluminium base with wheels. Three revolving solid brass arms which can be adjusted to alter pattern, speed and overall coverage. Solid brass 1/2" quick connector. Daisy-chain facility.



### Heavy-duty 3 Arm Sprinkler

0399	Type
TOOL-675070	1/2" Quick Connector

Impulse sprinkler covers 360° diameter with full of half circle adjustable pattern. 1/2" quick connector. Daisy-chain facility.



### Spike Sprinkler

0399	Type
TOOL-868552	1/2" Quick Connector

## Sprinkler Stands

These standpipes are made of galvanised steel. 1 metre high riser, in a 1" tee with two quick couplings.

Comes complete with a galvanised ground spike and stabilising plate.



### Standpipes, BSPP

0399	Height mm	Thread
KA-68-20-19	1000	3/4"

Made from coated steel complete with riser. Supplied complete with a quick coupling to connect to any Geka type fitting.



### Metal Sled Base, BSPP

0399	Height mm	Thread
KA-68-25-05	300	1/2"

## Porous Pipe

Used for various irrigation purposes. It should be used at pressures between 4-12 psi. The maximum run length is 50 metres and the output is 4 litres per hour per metre.



0399	Description
KA-92-10-30	30m Retail Pack Porous Pipe complete with 16mm Fittings
KA-92-15-50	50m Roll Porous Pipe



# PRESSURE SPRAY EQUIPMENT



## Pressure Sprayers

Mesto is a European market leading manufacturer of professional cleaning equipment and has been providing innovation for the industry since 1919.

### Product description:

- Tank: Plastic, with filling scale
- Seals: FPM
- Nozzle: Plastic, adjustable

### Applications:

- Construction work
- Cleaning industry
- Professional pest control
- Handicraft

### Special features of the product:

- Safety valve



Maximum Working Temperature: +30°C

Maximum Working Pressure: 3 bar

### UNIVERSAL PLUS, Hand Pump Sprayer

0465	Capacity Litres	Material
3132PG	1.5	Polyethylene
Tech Sheet 60139		

### Product description:

- Tank: Plastic with filling scale
- Seals FPM (Viton®)
- Nozzle: Plastic, adjustable
- Plastic jacket wand to protect the non-return valve

### Applications:

- Foaming cleaning industry

### Special features of the product:

- Safety valve
- Specially coated spring



Maximum Working Temperature: +30°C

Maximum Working Pressure: 3 bar

### FOAMER, Heavy-duty Hand Pump

0465	Capacity Litres	Material
3132FO	1.5	Polyethylene
Tech Sheet 60140		



Large selection of models for various application are available on request.

**BEFORE USE, CHECK CAREFULLY WHETHER THE MATERIAL IS RESISTANT TO THE LIQUID BEING USED.**





## Compression Sprayers

Mesto is a European market leading manufacturer of professional cleaning equipment and has been providing innovation for the industry since 1919.

### Device description:

- Tank: Plastic with large pressure reservoir
- Carried at the side
- Seals: FPM (Viton®)
- Nozzle: adjustable plastic nozzle
- Spray wand: Plastic, 48 cm, 360° rotatable
- Hose: 2.0 m, transparent oil resistant

### Applications:

- Construction work
- Cleaning industry

**Maximum Working Temperature:**  
+30°C

**Maximum Working Pressure:**  
3 bar

### Special features of the product:

- Professional pump
- Integrated dirt filter



### FIX PLUS, Professional

0465	Capacity Litres	Material
3237FM	5	Polyethylene
Tech Sheet 60141		

### Device description:

- Tank: Plastic, with large pressure reservoir
- Carried at the side
- Seals: FPM (Viton®)
- Nozzle: Plastic flat jet nozzle
- Spray wand: Plastic 48 cm, 360° rotatable
- Hose: 2.0 m
- Ergonomically formed shut-off valve with fine filter

### Applications:

- Cleaning industry
- Vehicle cleaning
- Disinfection
- Corrosion protection
- Impregnation

**Maximum Working Temperature:**  
+40°C

**Maximum Working Pressure:**  
3 bar

### Special features of the product:

- Professional pump with specially coated piston rod
- Large filling funnel
- With specially coated spring



### CLEANER, Heavy-duty

0465	Capacity Litres	Material
3270PP	10	Polyethylene
Tech Sheet 60142		

### Device description:

- Tank: Stainless steel
- Carried on the back – padded carrying straps
- Seals: FPM (Viton®)
- Nozzle: Brass flat jet nozzle with fine filter
- Spray wand: Brass 50cm, 360° rotatable
- Hose: Spiral hose 2.5 m with safety interlock

### Applications:

- Construction work
- Cleaning industry
- Professional pest control

**Maximum Working Temperature:**  
+50°C

**Maximum Working Pressure:**  
6 bar



### INOX PLUS, Stainless Steel

0465	Capacity Litres	Material
3615P	10	Stainless Steel
Tech Sheet 60143		

### Applications:

- General purpose
- Gardening
- Horticulture
- Domestic cleaning
- Integrated safety valve and strap

**Maximum Working Temperature:**  
+30°C

**Maximum Working Pressure:**  
3 bar



### GARANT, General Purpose

0465	Capacity Litres	Material
3195E	5	Polyethylene
Tech Sheet 60144		

Large selection of models for various application are available on request.

**BEFORE USE, CHECK CAREFULLY WHETHER THE MATERIAL IS RESISTANT TO THE LIQUID BEING USED.**



# COMMERCIAL & DOMESTIC VEHICLE CLEANING EQUIPMENT

## Vehicle Brushes

The shape design gives more cleaning productivity, as the brush is in constant contact with the surface, when used as either a waterfed or a dip brush.



### Hi-Lo Waterfed Brush

0143	Description
VIK-524752	Rubber Edged

Effective all surface water-fed bodywork brush for large areas, up to 3 metres in height.



### Bodywork Brushes

0143	Width mm	Description
VIK-475552	250	Rubber Edged
VIK-475752	400	-

Brush for cleaning wheel rims on trucks and buses.



### Wheel Brush

0143	Width mm
VIK-545252	230

### Hand Waterfed Brushes

0143	Length mm
VIK-525452	350



## Vehicle Brush Handles

Handles to suit all vehicle brushes.



### Vehicle Brush Handles

0143	Length Metres	Description
VIK-299152	1.5	Waterfed Handle
VIK-297352	1.5-2.75	Telescopic Waterfed Handle
VIK-297552	1.5-2.75	Telescopic Handle

## Cleaning Brushes

- Features on/off water control and quick connect attachment.
- Ideal for cleaning vehicles, boats, paintwork and conservatories.



### Telescopic Car Cleaning Brush

0088	Length mm
TOOL-719788	1070-1760

# PRESSURE SPRAYERS

## Manual



### 5 Litre Pressure Sprayer

0088
TOOL-675108



### 8 Litre Pressure Sprayer

0088
TOOL-868593



### 10 Litre Pressure Sprayer

0088
TOOL-630070



### 20 Litre Backpack

0088
TOOL-633595





# IRRIGATION PIPE, FITTINGS & ACCESSORIES



## Tavlitt Barbed Fittings

Barbed fittings for making connections in low density irrigation pipe.



### Pushfit x Pushfit Straight Connector

0088	To Suit Hose OD mm	To Suit Hose OD mm
Z2455	12	12
Z2456	16	12
Z2457	16	16
Z2460	20	16
Z2462	20	20
Z2463	25	20
Z2464	25	25



### Pushfit x Male BSPP Connector

0088	To Suit Hose OD mm	Thread
Z2485	12	1/2"
Z2486	12	3/4"
Z2487	16	1/2"
Z2488	16	3/4"
Z2491	20	1/2"
Z2492	20	3/4"
Z2494	25	1/2"
Z2493	25	3/4"



### Pushfit x Female BSPP Thread

0088	To Suit Hose OD mm	Thread
Z2500	12	3/4"
Z2501	16	3/4"
Z2502	20	3/4"



### Pushfit Tee

0088	To Suit Hose OD mm A	To Suit Hose OD mm B	To Suit Hose OD mm C
Z2465	12	12	12
Z2466	12	16	12
Z2467	16	12	16
Z2468	16	16	16
Z2471	20	12	20
Z2473	20	20	20
Z2474	25	25	25



### Pushfit Elbow

0088	To Suit Hose OD mm
Z2505	12
Z2506	16
Z2508	20
Z2509	25




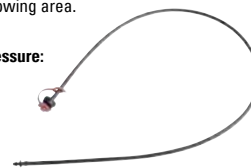
### Plug

0088	To Suit Hose OD mm
Z2547A	12
Z2547B	16
Z2547D	20

## Pot Drippers

Professional dripper for use with pots, baskets and tubs. Supplied with a cap so individual drippers can be isolated when not in use. Needs a clamp stake to fix dripper in growing area.

 **Working Pressure:**  
0.5-4 bar



### Potpecker

0088	Length cm	LPH
Z5725	80	2
Z5730	80	4
Z5729	80	8



### Potpecker Stake

0088  
Z5632



### Pot Dripper Accessories

0088	Description
Z5245	Spare Caps
Z5610	Spare 80cm Lead
Z5603	Pot Dripper Hole Punch
Z5604	Pot Dripper Plug

## Polyethylene Tube

Black polyethylene irrigation pipe. Not suitable for potable water. For use with Tavlitt barbed fittings.

 **Maximum Working Pressure:** 4 bar



### Low Density

0088	OD mm	Length Metres
Z1129	16	50
Z1130	16	100
Z1135	20	50
Z1155	25	100





# WATER VALVES & ACCESSORIES

## Globe Valves



### BSPP

0108	Thread	Voltage
KA-32-40-24-AC	1.1/2"	24V AC

## Adjustable Pressure Regulators



### 3/4" Specifications, BSPP

0108	Thread	Pressure Range Bar
KA-35-20-10-MF	3/4"	0.8-2.5



### 1" Specifications, BSPP

0108	Thread	Pressure Range Bar
KA-35-25-05	1"	0.5-1.2
KA-35-25-12	1"	1.5-3.5



### 1.1/2" Specifications, BSPP

0108	Thread	Pressure Range Bar
KA-35-40-10	1.1/2"	0.5-1.2
KA-35-40-18	1.1/2"	1.5-3.5

## Air & Vacuum Release Valves



### 1" Automatic Air Release Valve, BSPP

0108	Thread
KA-35-75-20	1"

## Controllers

Pre-set up to 120 minutes in 10 minute increments. Suitable for 3/4" BSPP water outlet connection. Inlet connection suitable for quick lock hose fittings.



### Mechanical Water Timer


0088
TOOL-633741

## Standard Cold Water Meters



0108	Description
KA-36-00-25	1" Cold Water Meter 5m <sup>3</sup> Nominal Flow Rate
KA-36-00-40	1.1/2" Cold Water Meter 10m <sup>3</sup> Nominal Flow Rate
Tech Sheet 663	

## Filters

 **Maximum Working Pressure: 8 bar**



### 3/4" Plastic In-line Filter - 10gpm

0108	Description
KA-39-00-10	3/4" Plastic In-line Filter 100 Micron Mesh Element



### 1" Plastic In-line Filter - 25gpm

0108	Description
KA-39-10-10	1" Plastic In-line Filter 100 Micron Mesh Element

## Air Operated Double Diaphragm Pumps

### Typical Applications:

- OEMs
- Printing
- Wastewater
- Plating/surface finishing

### Typical Fluids Handled:

- Waterborne materials, some HHC's
- Paints, coatings, inks and dyes
- Car wash chemicals
- Laundry chemicals and detergents
- Chemicals

### Features:

- 1/4" (6.35 mm) end-porting
- Low-cost, compact design
- Spring check valves for superior priming in any mounting configuration
- True-formed PTFE and Santoprene diaphragms for enhanced performance
- Can also be remotely-controlled using an external controller
- Delivery up to 5 gpm (18.93 L/min)



### Husky 205, BSPP

0074	Body	Balls	Diaphragms
D11021	Acetal	Acetal	PTFE
D12096	Polypropylene	Polypropylene	Santoprene

### Typical Applications:

- Drum transfer for fluids up to 1000 centipoise
- Circulation of low viscosity inks, stains and dyes
- Coolant circulation and evacuation
- Waste fluid removal
- On-demand batch chemical metering
- Low viscosity adhesive supply
- Consistent low pressure air spray or HVLP supply

### Typical Fluids Handled:

- Paints
- Lubricants
- Inks
- Stains
- Solvents
- Coatings
- Dyes

### Features:

- 3/8" (9.52 mm) end porting
- Fully-groundable acetal model
- Operates on as little as 20 psi (1.4 bar, 0.14 MPa) air pressure
- Delivery up to 7 gpm (26.5 L/min)
- Easy-to-service air valve and ball checks
- Quiet operation – 75 dBa at 50 psi (3.5 bar, 0.35 MPa) and 60 cpm



### Husky 307, BSPP

0074	Body	Seats	Balls	Diaphragms
D3A211	Acetal	Acetal	PTFE	PTFE
D3B911	Polypropylene	Polypropylene	PTFE	PTFE
D3B955	Polypropylene	Polypropylene	Hytrel	Hytrel
D3A255	Acetal	Acetal	Hytrel	Hytrel

### Typical Applications:

- Machine lube servicing
- Drum evacuation
- Plating and dip tanks
- Water treatment

### Typical Fluids Handled:

- Cleaning fluids and detergents
- Chemicals
- Ceramic glazes
- Inks
- Solvents and flammables
- Acids and bases

### Features:

- 1/2" (12.7 mm) centre-porting and 3/4 in. (19.05 mm) end-porting
- Quiet running – less than 85 dBa with easy-to-use remote muffler capability for even lower noise levels
- No seals to leak or fail
- High flow rates in a small, portable package
- Can also be remotely-controlled using an external controller
- Delivery up to 15 gpm (56.88 L/min)



### Husky 515, BSPP

0074	Body	Seats	Balls	Diaphragms
D5B966	Polypropylene	Polypropylene	Santoprene	Santoprene
D5B911	Polypropylene	Polypropylene	PTFE	PTFE
D5A211	Acetal	Acetal	PTFE	PTFE
D5A277	Acetal	Acetal	Buna	Buna

Tech Sheet 10288

### Typical Applications:

- Machine lube servicing
- Cleaning fluids and detergents
- Plating and dip tanks
- Water treatment

### Typical Fluids Handled:

- Oil
- Water
- Most solvents

### Features:

- 3/4" (19.05 mm) centre and end-porting
- Quiet running – less than 85 dBa with easy-to-use remote muffler capability for even lower noise levels
- High flow rates in a small, portable package
- No seals to leak or fail
- Can also be remotely-controlled using an external controller
- Delivery up to 16 gpm (60.87 L/min)



### Husky 716, BSPP

0074	Body	Seats	Balls	Diaphragms
D5C277	Aluminium	Acetal	Buna-N	Buna-N
D5D311	Stainless	Stainless	PTFE	PTFE

Tech Sheet 10288



## Air Operated Double Diaphragm Pumps

### Typical Applications:

- Drum fluid transfer
- Unloading fluids
- Bilge pumping
- Chemical evacuation
- Dewatering and sump evacuation
- Tank and sump drainage

### Typical Fluids Handled:

- Chemicals
- Contaminated surface water
- Adhesives, varnishes, dispersions, solvents and stains
- Resins, latexes, wood preservative stains, concrete and primers

### Features:

- 1" (25.4 mm) ANSI end-porting
- High flow – 50 gpm (189 L/min) in a compact, portable size
- Fluid pressure to 120 psi (8.6 bar, 0.86 MPa)
- E-coated centre section for corrosive environments
- Equipped with an effective and reliable air valve system
- Can also be remotely-controlled using an external controller



### Husky 1050, BSPP

0074	Body	Seats	Balls	Diaphragms
647121	Aluminium	Geolast	Geolast	Geolast
647109	Aluminium	Stainless	PTFE	PTFE

### Typical Applications:

- Filter press
- Tank stripping
- Bilge pumping
- Sand and ball mill pumping
- Oil transfer and oil skimming
- Chemical plating

### Typical Fluids Handled:

- Latex
- Corrosive fluids
- Acids: hydrochloric, ferric, sulfuric, nitric and phosphoric
- Slurries: petroleum, lime, clay, ferrite, salt/brine and pumice
- Sludge: secondary and clarifier
- Pottery slip

### Features:

- 1.1/2" (38.1 mm) ANSI end-porting
- High flow – 100 gpm (378 L/min) in a compact, portable size
- Fluid pressure to 120 psi (8.4 bar, 0.84 MPa)
- Lube-free operation
- Patented, high-reliability "closed centre" air valve is "online" serviceable
- Epoxy-coated air section for tough environmental conditions
- Can also be remotely-controlled using an external controller



### Husky 1590, BSPP

0074	Body	Seats	Balls	Diaphragms
DBC666	Aluminium	Geolast	Geolast	Geolast
DBD311	Stainless	Stainless	PTFE	PTFE
DB2911	Polypropylene	Polypropylene	PTFE	PTFE

### Typical Applications:

- Drum fluid transfer
- Bulk fluid supply
- Chemical evacuation
- Ground water and sump evacuation
- Waste fluid removal
- Tank and bilge drainage
- Slurry and sludge transfer
- Filter press feed

### Typical Fluids Handled:

- Acids, alkalies, solvents, suspensions, dispersions, electroplating baths, paints, varnishes, resins, latex, adhesives, effluent sludge and stabilisers
- Ship cleaning and stripping chemicals

### Features:

- 2" (50.8 mm) ANSI end-porting
- Larger ports for more flow – up to 150 gpm (568 L/min)
- Fluid pressure to 120 psi (8.4 bar, 0.84 MPa)
- Lube-free operation
- Patented, high-reliability "closed centre" air valve is "online" serviceable
- Epoxy-coated air section for tough environmental conditions
- Can also be remotely-controlled using an external controller



### Husky 2150, BSPP

0074	Body	Seats	Balls	Diaphragms
DFCGGG	Aluminium	Geolast	Geolast	Geolast
DFC666	Aluminium	Santoprene	Santoprene	Santoprene
DF2911	Polypropylene	Polypropylene	PTFE	PTFE

### Typical Applications:

- Chemical transfers
- Filter press-feed
- Dewatering

### Typical Fluids Handled

- Chemicals
- Bulk paint resins
- Ceramic slip

### Features:

- 3" (76.2 mm) ANSI centre porting
- Bolted leak-free flanged connections – no clamp bands used
- Easy air valve maintenance
- Large flow paths can handle high viscosities
- Heavy-duty construction
- Fluid flow up to 275 gpm (1040 L/min)



### Husky 3275, BSPP

0074	Body	Seats	Balls	Diaphragms
652021	Aluminium	Stainless	PTFE	PTFE





### V-Tuf Back Pack Vacuum Cleaner

Industrial, simple, lightweight, comfortable and quiet.

Part No. VT1000  
VT1110

### V-Tuf Stainless Steel Industrial Wet & Dry Vacuum Cleaner

Powerful suction, high volume and capacity.

Widely used in engineering, hospitals, food processing etc.

Part No. VTS8000



### V-Tuf Dustex M Class Dust Extractor c/w Power Takeoff

Protect your health, be compliant, do your job effectively.

Part No. DUSTEX-M-240  
DUSTEX-M-110

### V-Tuf.M Lung Safe Dust Vacuum / Extraction

The V-TUF M helps you tackle dust at source.

Connects directly to your power tools or sweep up and enjoy a dust free environment.

Part No. VTM1240  
VTM1110



# V-TUF®

## M Class Vacuums Wet/Dry & Dust Extraction

- The V-TUF M is certified to M Class, the new minimum legal requirement for construction sites.
- Unrated vacuum cleaners are extremely dangerous as respirable dust can pass through the motor and be pumped back into the atmosphere.
- The V-TUF M offers you affordable compliance and protection from common dust related health issues.

**Call Us For More Information**







Angle Seat Valves	602	HUK Ball Valves	598
Axial Flow Valves	602	ITAP Ball Valves	599
Ball Valves	598-599	LHA Hydraulic Ball Valves	607
Ball Valves, 3 Way	599	Lorch Safety Relief Valves	608
Ball Valves, Gas & WRAS Approved	598	Mini Ball Valves	595-597
Ball Valves, Hydraulic	607	Mini Ball Valves, Gas Approved	595-596
Ball Valves, Hydraulic, 3 Way	607	Needle Valves, Brass	600
Ball Valves, Long Handle	598	Non-return Valves, Hydraulic	606
Ball Valves, Wing Handle	598	Omal Axial Flow Valves	602
Ball Valves, Vented & Lockable	599	Safety Relief Valves	608
Butterfly Valves	601	Sirai Solenoid Valves	603-605
Check Valves, Spring Valve	600	Slide Valves	600
Check Valves, Swing Type	600	Solenoid Valves, Process	603-605
Gate Valves	601	Y Strainers	600
Globe Valves	600		

# BALL VALVES



## Gas Mini Ball Valves, Brass

• Seal: Material PTFE

° Working Temperature:  
-20°C to +80°C

Maximum Working Pressure:  
20 bar



**Type 6300, Female x Female, BSPP**

0090	Thread	Thread
6300-18	1/8"	1/8"
6300-14	1/4"	1/4"
6300-38	3/8"	3/8"
6300-12	1/2"	1/2"

Tech Sheet 1602



**Type 6330, Male x Male, BSPP**

0090	Thread	Thread
6330-18-18	1/8"	1/8"
6330-18-14	1/8"	1/4"
6330-14-14	1/4"	1/4"
6330-12-12	1/2"	1/2"

Tech Sheet 1602



**Type 6420, Male x Male, BSPP**

0090	Thread	Thread
6420-18-18	1/8"	1/8"
6420-18-14	1/8"	1/4"
6420-14-14	1/4"	1/4"
6420-38-14	3/8"	1/4"
6420-38-38	3/8"	3/8"
6420-12-12	1/2"	1/2"

Tech Sheet 1603



**Type 6310, BSPT Male x BSPP Female**

0090	Male Thread	Female Thread
6310-18-18	1/8"	1/8"
6310-14-18	1/4"	1/8"
6310-14-14	1/4"	1/4"
6310-38-38	3/8"	3/8"
6310-12-12	1/2"	1/2"
6310-34-34	3/4"	3/4"

Tech Sheet 1602



**Type 6340, Tube x Female, BSPP**

0090	OD mm	Thread
6340-6-18	6	1/8"
6340-8-18	8	1/8"
6340-8-14	8	1/4"
6340-10-38	10	3/8"
6340-15-12	15	1/2"

Tech Sheet 1603



**Type 6440, Male BSPP x Tube**

0090	OD mm	Thread
6440-1/8-6	6	1/8"
6440-1/8-8	8	1/8"
6440-1/4-6	6	1/4"
6440-1/4-8	8	1/4"
6440-1/4-10	10	1/4"
6440-3/8-8	8	3/8"
6440-3/8-10	10	3/8"
6440-3/8-15	15	3/8"
6440-1/2-12	12	1/2"
6440-1/2-15	15	1/2"
6440-3/4-15	15	3/4"

Tech Sheet 1604



**Type 6320, Male x Female, BSPP**

0090	Male Thread	Female Thread
6320-18-18	1/8"	1/8"
6320-14-18	1/4"	1/8"
6320-14-14	1/4"	1/4"
6320-38-38	3/8"	3/8"
6320-12-12	1/2"	1/2"

Tech Sheet 1602



**Type 6350, Male, BSPT x Tube**

0090	OD mm	Thread
6350-18-6	6	1/8"
6350-18-8	8	1/8"
6350-14-6	6	1/4"
6350-14-8	8	1/4"
6350-38-10	10	3/8"
6350-38-12	12	3/8"
6350-12-15	15	1/2"

Tech Sheet 1603



**Type 6500, Tube x Tube**

0090	OD mm
6500-8	8

Tech Sheet 1604



## Mini Ball Valve Handles

**Please note:** Handles do not come with coloured inserts, please order separately.



### Type 6910, Long Handle

0090	Length mm
6910-A	35
6910-B	50

Tech Sheet 1606

## Colour Coded Handle Inserts - Type 6920



### For 1/8", 1/4", 3/8" Valves

0090	Colour
6920-A-B	Blue
6920-A-G	Green
6920-A-R	Red
6920-A-W	White
6920-A-Y	Yellow

Tech Sheet 1605

### For 1/2", 3/4" Valves

0090	Colour
6920-B-B	Blue
6920-B-G	Green
6920-B-R	Red
6920-B-W	White
6920-B-Y	Yellow

Tech Sheet 1605

## Mini Ball Valves, Brass



### Type 6560, Push-in x Push-in

0090	OD mm
6560-4	4
6560-6	6
6560-8	8

Tech Sheet 1604



### Type 6570, Push-in x BSPT

0090	OD mm	Thread
6570-1/8-4	4	1/8"
6570-1/8-6	6	1/8"
6570-1/8-8	8	1/8"
6570-1/4-6	6	1/4"
6570-1/4-8	8	1/4"

Tech Sheet 1605



### Type 6700, L Port, BSPP

0090	Thread
6700-1/8	1/8"
6700-1/4	1/4"
6700-3/8	3/8"

Tech Sheet 1605



### Type 6710, T Port, BSPP

0090	Thread
6710-1/8	1/8"
6710-1/4	1/4"
6710-3/8	3/8"

Tech Sheet 1605



### Type 6720, Angle Port, BSPP

0090	Thread
6720-1/8	1/8"
6720-1/4	1/4"
6720-3/8	3/8"

Tech Sheet 1605




For Brass Push-in Fittings  
see **Section 8**



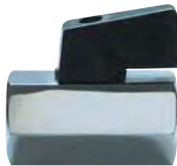
# BALL VALVES

## Mini Ball Valves, Brass

- Polished chrome finish
- Seal material PTFE

Working Temperature:  
-15°C to +100°C

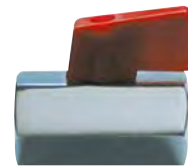
Maximum Working Pressure:  
8 bar (120 psi)



### Type MBV, Female x Female, Black Lever Handle, BSPP

0090	Thread
MBV18S	1/8"
MBV14S	1/4"
MBV38S	3/8"
MBV12S	1/2"
MBV34S	3/4"

Tech Sheet 834



### Type MBV, Female x Female, Red Lever Handle, BSPP

0090	Thread
MBV18	1/8"
MBV14	1/4"
MBV38	3/8"
MBV12	1/2"
MBV34	3/4"

Tech Sheet 834



### Type MBVM, Male x Female, Black Lever Handle, BSPP

0090	Thread
MBVM18S	1/8"
MBVM14S	1/4"
MBVM38S	3/8"
MBVM12S	1/2"
MBVM34S	3/4"

Tech Sheet 834



### Type MBVM, Male x Female, Red Lever Handle, BSPP

0090	Thread
MBVM18	1/8"
MBVM14	1/4"
MBVM38	3/8"
MBVM12	1/2"
MBVM34	3/4"

Tech Sheet 834

## Screwdriver Mini Ball Valves

- Polished chrome finish

Working Temperature:  
-20°C to +150°C

Maximum Working Pressure:  
220 psi



### Type MVS, Female x Female, Screwdriver Slot, BSPP

0090	Thread
MVS-18	1/8"
MVS-14	1/4"
MVS-38	3/8"
MVS-12	1/2"
MVS-34	3/4"

Tech Sheet 10033



### Type MVSM, Male x Female, Screwdriver Slot, BSPP

0090	Thread
MVSM-18	1/8"
MVSM-14	1/4"
MVSM-38	3/8"
MVSM-12	1/2"
MVSM-34	3/4"

Tech Sheet 10034



## Lever Handles, Nickel-Plated Brass Ball Valves

### Features:

- Suitable for domestic water services, heating and air-conditioning plants and compressed air systems

 **Working Temperature:**  
0°C to +90°C

 **Maximum Working Pressure:**  
40 bar



### Female x Female, BSPP

0109	Size
BV12-14	1/4"
BV12-38	3/8"
BV12-12	1/2"
BV12-34	3/4"
BV12-1	1"
BV12-114	1.1/4"
BV12-112	1.1/2"
BV12-2	2"
BV12-212	2.1/2"
BV12-3	3"
BV12-4	4"

Tech Sheet 68238



### Male BSPT x Female BSPP

0109	Size
BV13-14	1/4"
BV13-38	3/8"
BV13-12	1/2"
BV13-34	3/4"
BV13-1	1"

Tech Sheet 68239

## Wing Handles, Nickel-Plated Brass Ball Valves

### Features:

- Suitable for domestic water services, heating and air-conditioning plants and compressed air systems

 **Working Temperature:**  
0°C to +90°C

 **Maximum Working Pressure:**  
40 bar



### Female x Female, BSPP

0109	Size
BV12-14W	1/4"
BV12-38W	3/8"
BV12-12W	1/2"
BV12-34W	3/4"
BV12-1W	1"

Tech Sheet 68238



### Male BSPT x Female BSPP


0109	Size
BV13-14W	1/4"
BV13-38W	3/8"
BV13-12W	1/2"
BV13-34W	3/4"
BV13-1W	1"


Tech Sheet 68239

## EN331 Gas/WRAS Approved Brass Ball Valves

### Features:

- Full bore
- Gas approved EN 331 and EN 305 conformity
- WRAS approved
- RoHS3 compliant (gas)

 **Working Temperature:**  
-10°C to +120°C (WRAS)  
-10°C to +80°C (gas)

 **Maximum Working Pressure:**  
25 bar (WRAS)  
5 bar (gas)

 Gas Approved EN331

 WRAS APPROVED PRODUCT



### Lever Handles, Female x Female, BSPP

0682	Size
1071-14	1/4"
1071-38	3/8"
1071-12	1/2"
1071-34	3/4"
1071-1	1"
1071-114	1.1/4"
1071-112	1.1/2"
1071-2	2"
1071-212	2.1/2"
1071-3	3"
1071-4	4"

Tech Sheet 6038



### Wing Handles, Female x Female, BSPP

0682	Size
1072-14	1/4"
1072-38	3/8"
1072-12	1/2"
1072-34	3/4"
1072-1	1"

Tech Sheet 6038



# BALL VALVES

## Red Steel Long Handle

- Full bore
- Long thread
- Flat steel handle
- Seal material PTFE

**Working Temperature:**  
-15°C to +120°C

**Maximum Working Pressure:**  
25 bar



### Male x Female, BSPP

0109	Thread
2024-1808	1/4"
2024-1816	3/8"
2024-1824	1/2"
2024-1832	3/4"
2024-1840	1"
2024-1857	1.1/4"
2024-1865	1.1/2"
2024-1873	2"

Tech Sheet 790

## Brass Vented Lockable Full Bore Ball Valve

### Features:

- Full bore
- Blowout proof stem
- Locking lever in the closed position only
- Vents downstream pressure when closed
- Suitable for compressed air systems

**Working Temperature:**  
-10°C to +100°C

**Maximum Working Pressure:**  
14 bar



### Female x Female, BSPP

0358	Size
BV93-14L	1/4"
BV93-38L	3/8"
BV93-12L	1/2"
BV93-34L	3/4"
BV93-1L	1"
BV93-114L	1.1/4"
BV93-112L	1.1/2"
BV93-2L	2"

Tech Sheet 6041

# BRASS BALL VALVES

## Brass 3 Way Ball Valve

### Features:

- Suitable for domestic water services, heating and air-conditioning plants and compressed air systems

**Working Temperature:**  
-10°C to +120°C

**Maximum Working Pressure:**  
55 bar: 1/4" to 3/8"  
50 bar: 1/2" to 3/4"  
45 bar: 1"  
35 bar: 1.1/4" upwards



### L Port, BSPP

0089	Size
IT128-14L	1/4"
IT128-38L	3/8"
IT128-12L	1/2"
IT128-34L	3/4"
IT128-1L	1"
IT128-114L	1.1/4"
IT128-112L	1.1/2"
IT128-2L	2"

Tech Sheet 1829

### T Port, BSPP

0089	Size
IT128-14T	1/4"
IT128-38T	3/8"
IT128-12T	1/2"
IT128-34T	3/4"
IT128-1T	1"
IT128-114T	1.1/4"
IT128-112T	1.1/2"
IT128-2T	2"

Tech Sheet 1829

## Brass Full Bore Ball Valve

### Features:

- Blowout proof stem
- Suitable for domestic water services, heating and air-conditioning plants, compressed air systems and LPG gas installations
- Not suitable for saturated steam

**Working Temperature:**  
-10°C to +120°C

**Maximum Working Pressure:**  
40 bar



### Female x Female, NPT

0089	Size
IT145-38	3/8"
IT145-12	1/2"
IT145-34	3/4"
IT145-1	1"
IT145-114	1.1/4"
IT145-112	1.1/2"
IT145-2	2"

Tech Sheet 6046





## Globe Valves - Gunmetal/Brass

- BS 5154 PN 20 Series  
B. Test Pressures  
(Hydraulic): Shell 30 bar.  
Seat 22 bar.



## Type 6062, BSPP

0090	Thread
GBV-12	1/2"
GBV-34	3/4"
GBV-1	1"
GBV-114	1.1/4"
GBV-112	1.1/2"
GBV-2	2"

Tech Sheet 2031

## Y Strainer, Brass

- Mesh Size =1.5mm up to 2" valve

° Working Temperature:  
-0°C to +100°C

Y Strainer,  
Brass, BSPP

0090	Thread
YS-38	3/8"
YS-12	1/2"
YS-34	3/4"
YS-1	1"
YS-114	1.1/4"
YS-112	1.1/2"
YS-2	2"
YS-212	2.1/2"
YS-3	3"
YS-4	4"

Tech Sheet 10302

## Needle Valves, Brass

° Working Temperature:  
-0°C to +100°C



## Female x Female, BSPP

0090	Thread
EV-18	1/8"
EV-14	1/4"
EV-38	3/8"
EV-12	1/2"

Tech Sheet 10028

## Check Valves, Brass

- Minimum opening pressure 0.5 psi

° Working Temperature:  
-0°C to +100°C



## Type CV100, Opens at 20" W.G., BSPP

0090	Thread
CV100-38	3/8"
CV100-12	1/2"
CV100-34	3/4"
CV100-1	1"
CV100-114	1.1/4"
CV100-112	1.1/2"
CV100-2	2"
CV100-212	2.1/2"
CV100-3	3"
CV100-4	4"

Tech Sheet 10025

° Working Temperature:  
0°C to +100°C



## Type CV130, Swing Check Valve, BSPP

0089	Thread
CV130-38	3/8"
CV130-12	1/2"
CV130-34	3/4"
CV130-1	1"
CV130-114	1.1/4"
CV130-112	1.1/2"
CV130-2	2"
CV130-212	2.1/2"
CV130-3	3"
CV130-4	4"

Tech Sheet 10026

Slide Valves -  
On/Off Type, Brass

° Working Temperature:  
-20°C to +80°C



## Type 6060, BSPP

0090	Thread
6060-18	1/8"
6060-14	1/4"
6060-38	3/8"
6060-12	1/2"

Tech Sheet 10803

## Filters for Check Valves

° Working Temperature:  
0°C to +100°C

**JAYMAC**  
Industrial Hose & Accessories

Type CV105,  
Stainless Steel Filters, BSPP

0090	Thread	Length mm	Height mm	Max Pressure Bar
CV105-38	3/8"	44	22	25
CV105-12	1/2"	47	28	25
CV105-34	3/4"	57	33	25
CV105-1	1"	69	42	25
CV105-114	1.1/4"	75	50	18
CV105-112	1.1/2"	84	55	18
CV105-212	2.1/2"	123	86	12
CV105-3	3"	138	102	12
CV105-4	4"	153	129	12

Tech Sheet 10039



## Brass Gate Valves

### Features:

- BSPT threads. BSPP for 2.1/2" upwards
- Suitable for isolation of fluids and general purpose applications such as domestic water services and heating plants

**Working Temperature:**  
-10°C to +80°C

**Maximum Working Pressure:**  
20 bar  
16 bar (2.1/2" upwards)



### BSPT & BSPP

0090	Size
GV12-38	3/8"
GV12-12	1/2"
GV12-34	3/4"
GV12-1	1"
GV12-114	1.1/4"
GV12-112	1.1/2"
GV12-2	2"
GV12-212	2.1/2"
GV12-3	3"
GV12-4	4"

Tech Sheet 6081

## Lugged Pattern Butterfly Valves

### Features:

- Lugged and tapped butterfly valves to suit PN16
- Ductile iron body
- Stainless steel disc
- EPDM liner
- Lockable lever or gearbox operated
- WRAS approved

**Working Temperature:**  
-20°C to +120°C

**Maximum Working Pressure:**  
16 bar



### Lever Operated

0030	Size
2014LW 08	1.1/2"
2014LW 09	2"
2014LW 10	2.1/2"
2014LW 11	3"
2014LW 12	4"
2014LW 13	5"
2014LW 14	6"
2014LW 16	8"
2014LW 18	10"

Tech Sheet 6063

## Wafer Pattern Butterfly Valves

### Features:

- Wafer pattern butterfly valves to suit BS 10 Table D/E, PN6/10/16 and ANSI150 flanges
- Ductile iron body
- Stainless steel disc
- EPDM liner
- Lockable lever or gearbox operated
- WRAS approved valve option available

**Working Temperature:**  
-20°C to +120°C

**Maximum Working Pressure:**  
16 bar



### Lever Operated

0030	Size
2014WW 08	1.1/2"
2014WW 09	2"
2014WW 10	2.1/2"
2014WW 11	3"
2014WW 12	4"
2014WW 13	5"
2014WW 14	6"
2014WW 16	8"
2014WW 18	10"

Tech Sheet 6060



**Applications:****Nitrile:**

Compatible with air, gas, oils, water etc.

**Viton:**

High compatibility with the majority of fluids, not advised for steam.

 **Working Temperature:**
**Nitrile:**

-20°C to +80°C

**Viton:**

-20°C to +150°C


**Note:**


The compact design of a VIP valve with its reduced size and weight allows it to be used in applications where traditional actuated valve packages cannot be utilised. The VIP valve has no external moving parts, which ensures their operation is quick and efficient, with out the safety issues of the traditional actuated valve packages.

The VIP valve with the approved gas threaded connections (UN1-ISO 7/1-DIN 2999) coupled with a NAMUR mounting plate makes this valve suitable for every possible plant application.

The valve can be mounted in any position. Full technical specifications available on request.

## Bronze Angle Seat Valve with NAMUR Interface

 **Working Temperature:**  
-10°C to 180°C

 **Working Pressure:**  
0-16 bar  
(0-10 bar for steam)

Available up to 2" - alternative terminations available.



## V.I.P. Axial Flow Valves with Nitrile Seals



### Double Acting, BSPP

0129	Thread
VDA10003	3/8"
VDA10004	1/2"
VDA10005	3/4"
VDA10006	1"
VDA10007	1.1/4"
VDA10008	1.1/2"
VDA10009	2"

Tech Sheet 862

## V.I.P. Axial Flow Valves with Viton Seals



### Double Acting, BSPP

0129	Thread
VDA20003	3/8"
VDA20004	1/2"
VDA20005	3/4"
VDA20006	1"
VDA20007	1.1/4"
VDA20008	1.1/2"
VDA20009	2"

Tech Sheet 862

### Single Acting Spring Return Normally Closed, BSPP

0129	Thread
VNC10003	3/8"
VNC10004	1/2"
VNC10005	3/4"
VNC10006	1"
VNC10007	1.1/4"
VNC10008	1.1/2"
VNC10009	2"

Tech Sheet 862

### Single Acting Spring Return Normally Closed, BSPP

0129	Thread
VNC20003	3/8"
VNC20004	1/2"
VNC20005	3/4"
VNC20006	1"
VNC20007	1.1/4"
VNC20008	1.1/2"
VNC20009	2"

Tech Sheet 862

### BSPP

0129	Thread
J9CPG1603	3/8"
J9CPG1604	1/2"
J9CPG1605	3/4"
J9CPG1806	1"

Tech Sheet 121

# SOLENOID VALVES



## General Purpose 2/2 N/C, Pilot Operated Solenoid Valves



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>3</sup> /HR	Max Pressure Bar	Replacement Coil
L182D01-38-230	3/8"	230/50	6 VA	13.5	2.5	0.35 - 16	B10AA
L182D01-38-110	3/8"	110/50	6 VA	13.5	2.5	0.35 - 16	B10AC
L182D01-38-2450	3/8"	24/50	6 VA	13.5	2.5	0.35 - 16	B10AE
L182D01-38-24	3/8"	24V DC	5.5 W	13.5	2.5	0.35 - 16	B10AL
L182D01-12-230	1/2"	230/50	6 VA	13.5	3.8	0.35 - 16	B10AA
L182D01-12-110	1/2"	110/50	6 VA	13.5	3.8	0.35 - 16	B10AC
L182D01-12-2450	1/2"	24/50	6 VA	13.5	3.8	0.35 - 16	B10AE
L182D01-12-24	1/2"	24V DC	5.5 W	13.5	3.8	0.35 - 16	B10AL
L182D01-34-230	3/4"	230/50	6 VA	18	5	0.35 - 12	B10AA
L182D01-34-110	3/4"	110/50	6 VA	18	5	0.35 - 12	B10AC
L182D01-34-2450	3/4"	24/50	6 VA	18	5	0.35 - 12	B10AE
L182D01-34-24	3/4"	24V DC	5.5 W	18	5	0.35 - 12	B10AL
L182D01-1-230	1"	230/50	6 VA	24	12	0.35 - 12	B10AA
L182D01-1-110	1"	110/50	6 VA	24	12	0.35 - 12	B10AC
L182D01-1-2450	1"	24/50	6 VA	24	12	0.35 - 12	B10AE
L182D01-1-24	1"	24V DC	5.5 W	24	12	0.35 - 12	B10AL
L180B48-112-230	1.1/2"	230/50	14 VA	45	27	0.5 - 10	A30AA
L180B48-112-110	1.1/2"	110/50	14 VA	45	27	0.5 - 10	A30AC
L180B48-112-2450	1.1/2"	24/50	14 VA	45	27	0.5 - 10	A30AE
L180B48-112-24	1.1/2"	24V DC	9 W	45	27	0.5 - 10	A30AL
L180B48-2-230	2"	230/50	14 VA	45	34	0.5 - 10	A30AA
L180B48-2-110	2"	110/50	14 VA	45	34	0.5 - 10	A30AC
L180B48-2-2450	2"	24/50	14 VA	45	34	0.5 - 10	A30AE
L180B48-2-24	2"	24V DC	9 W	45	34	0.5 - 10	A30AL

Tech Sheet 1977

## General Purpose 2/2 N/O, Pilot Operated Solenoid Valves



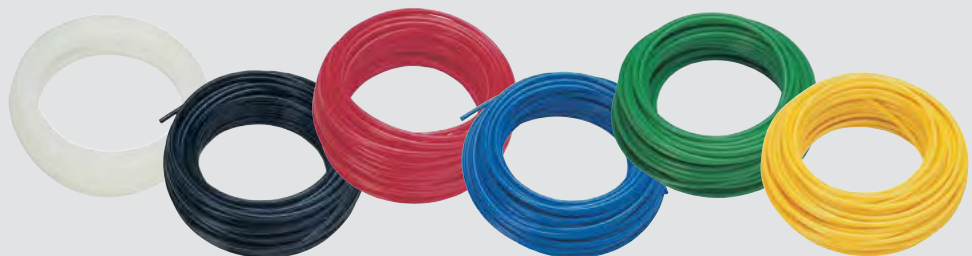
3/8"-2" WRAS Approved. EPDM Seal



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>3</sup> /HR	Max Pressure Bar	Replacement Coil
L282B01-38-230	3/8"	230/50	6 VA	13.5	2.5	0.35 - 12	B10AA
L282B01-38-110	3/8"	110/50	6 VA	13.5	2.5	0.35 - 12	B10AC
L282B01-38-2450	3/8"	24/50	6 VA	13.5	2.5	0.35 - 12	B10AE
L282B01-38-24	3/8"	24V DC	5.5 W	13.5	2.5	0.35 - 12	C10AL
L282B01-12-230	1/2"	230/50	6 VA	13.5	3.8	0.35 - 12	B10AA
L282B01-12-110	1/2"	110/50	6 VA	13.5	3.8	0.35 - 12	B10AC
L282B01-12-2450	1/2"	24/50	6 VA	13.5	3.8	0.35 - 12	B10AE
L282B01-12-24	1/2"	24V DC	5.5 W	13.5	3.8	0.35 - 12	C10AL
L282B01-34-230	3/4"	230/50	6 VA	18	5	0.35 - 12	B10AA
L282B01-34-110	3/4"	110/50	6 VA	18	5	0.35 - 12	B10AC
L282B01-34-2450	3/4"	24/50	6 VA	18	5	0.35 - 12	B10AE
L282B01-34-24	3/4"	24V DC	5.5 W	18	5	0.35 - 12	C10AL
L282B01-1-230	1"	230/50	6 VA	24	12	0.35 - 12	B10AA
L282B01-1-110	1"	110/50	6 VA	24	12	0.35 - 12	B10AC
L282B01-1-2450	1"	24/50	6 VA	24	12	0.35 - 12	B10AE
L282B01-1-24	1"	24V DC	5.5 W	24	12	0.35 - 12	C10AL
L280B48-112-230	1.1/2"	230/50	14 VA	45	27	0.5 - 10	A30AA
L280B48-112-110	1.1/2"	110/50	14 VA	45	27	0.5 - 10	A30AC
L280B48-112-2450	1.1/2"	24/50	14 VA	45	27	0.5 - 10	A30AE
L280B48-112-24	1.1/2"	24V DC	9 W	45	27	0.5 - 10	A30AL
L280B48-2-230	2"	230/50	14 VA	45	34	0.5 - 10	A30AA
L280B48-2-110	2"	110/50	14 VA	45	34	0.5 - 10	A30AC
L280B48-2-2450	2"	24/50	14 VA	45	34	0.5 - 10	A30AE
L280B48-2-24	2"	24V DC	9 W	45	34	0.5 - 10	A30AL

Tech Sheet 1978

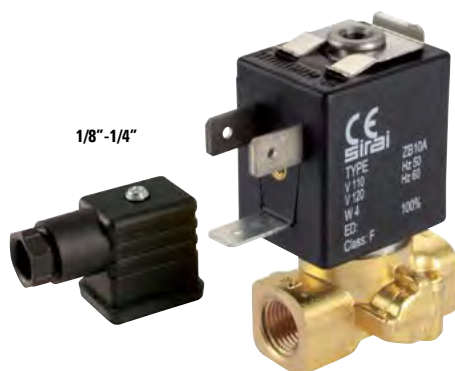


For Nylon Tube  
see Section 7

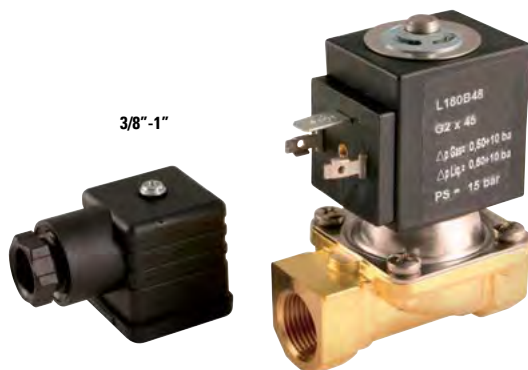




## General Purpose 2/2 N/C, Direct Acting Solenoid Valves



1/8"-1/4"



3/8"-1"

## Steam & Hot Water 2/2 N/C, Pilot Operated Solenoid Valves



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>3</sup> /HR	Max Pressure Bar	Replacement Coil
L145R2-12-230	1/2"	230/50	10VA	10	2.5	0.4-8	614AA
L145R2-12-110	1/2"	110/50	10VA	10	2.5	0.4-8	614AC
L145R2-12-24	1/2"	24V AC	10VA	10	2.5	0.4-8	614AE
L145R4-34-230	3/4"	230/50	14VA	16	4.5	0.4-6	534AA
L145R4-34-110	3/4"	110/50	14VA	16	4.5	0.4-6	534AC
L145R2-1-230	1"	230/50	14VA	18.5	18.5	0.4-6	534AA
L145R2-1-110	1"	110/50	14VA	18.5	18.5	0.4-6	534AC

Tech Sheet 864

## General Purpose 3/2 N/C, Direct Acting Solenoid Valves



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>3</sup> /HR	Max Pressure Bar	Replacement Coil
L372V03-18-230	1/8"	230/50	6VA	1.6	0.08	0-10	B10AA
L372V03-18-110	1/8"	110/50	6VA	1.6	0.08	0-10	B10AC
L372V03-18-2450	1/8"	24/50	6VA	1.6	0.08	0-10	B10AE
L372V03-18-24	1/8"	24V DC	5.5W	1.6	0.08	0-10	B10AL
L321B02C-14-230	1/4"	230/50	14VA	2.3	0.14	0-8	A30AA
L321B02C-14-110	1/4"	110/50	14VA	2.3	0.14	0-8	A30AC
L321B02C-14-2450	1/4"	24/50	14VA	2.3	0.14	0-8	A30AE
L321B02C-14-24	1/4"	24V DC	9W	2.3	0.14	0-8	A30EL

Tech Sheets 868 &amp; 869

### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>3</sup> /HR	Max Pressure Bar	Replacement Coil
L172V03-18-230	1/8"	230/50	6VA	2	0.11	0-15	B10AA
L172V03-18-110	1/8"	110/50	6VA	2	0.11	0-15	B10AC
L172V03-18-2450	1/8"	24/50	6VA	2	0.11	0-15	B10AE
L172V03-18-24	1/8"	24V DC	5.5W	2	0.11	0-6	B10AL
L121V02-14-230	1/4"	230/50	14VA	2.3	0.15	0-20	A30AA
L121V02-14-110	1/4"	110/50	14VA	2.3	0.15	0-20	A30AC
L121V02-14-2450	1/4"	24/50	14VA	2.3	0.15	0-20	A30AE
L121V02-14-24	1/4"	24V DC	9W	2.3	0.15	0-16	A30AL
L133B01-38-230	3/8"	230/50	14VA	10	1.5	0-10	530AA
L133B01-38-110	3/8"	110/50	14VA	10	1.5	0-10	530AC
L133B01-38-2450	3/8"	24/50	14VA	10	1.5	0-10	530AE
L133B01-38-24	3/8"	24V DC	9W	10	1.5	0-3	530AL
L133B07-12-230	1/2"	230/50	24VA	12.5	2.1	0-10	130AA
L133B07-12-110	1/2"	110/50	24VA	12.5	2.1	0-10	130AC
L133B07-12-2450	1/2"	24/50	24VA	12.5	2.1	0-10	130AE
L133B07-12-24	1/2"	24V DC	13W	12.5	2.1	0-3	130AL
L133B07-34-230	3/4"	230/50	24VA	17	4.5	0-10	130AA
L133B07-34-110	3/4"	110/50	24VA	17	4.5	0-10	130AC
L133B07-34-2450	3/4"	24/50	24VA	17	4.5	0-10	130AE
L133B07-34-24	3/4"	24V DC	13W	17	4.5	0-3	130AL
L133B06-1-230	1"	230/50	33VA	24	9	0-10	923EA
L133B06-1-110	1"	110/50	33VA	24	9	0-10	923EC
L133B06-1-2450	1"	24/50	33VA	24	9	0-10	923EE
L133B06-1-24	1"	24V DC	17W	24	9	0-3	923AL

Tech Sheets 870, 871 &amp; 863



# SOLENOID VALVES



## Steam & Hot Water 2/2 N/C, Direct Acting Solenoid Valves



### BSPP

0030	Thread	Voltage	Coil Consumption	DN Size	KV M <sup>3</sup> /HR	Max Pressure Bar	Replacement Coil
L153D07-12-230	1/2"	230/50	12VA	11.5	2.1	0-8	134AA
L153D07-12-110	1/2"	110/50	12VA	11.5	2.1	0-8	134AC
L153D07-12-24	1/2"	24V AC	12VA	11.5	2.1	0-8	134AE
L153D07-34-230	3/4"	230/50	12VA	17	5	0-8	134AA
L153D07-34-110	3/4"	110/50	12VA	17	5	0-8	134AC
L153D07-34-24	3/4"	24V AC	12VA	17	5	0-8	134AE
L153D5-1-230	1"	230/50	27VA	22	8.5	0-8	934AA
L153D5-1-110	1"	110/50	27VA	22	8.5	0-8	934AC
L153D5-1-24	1"	24V AC	27VA	22	8.5	0-8	934AE

Tech Sheet 865

### DIN Plug



### To suit Sirai Valves

0030	To Suit
122	122 Coil
182	182 Coil

## Replacement Coils



### To suit Sirai Valves

0030	Voltage	Plug
823AA	230/50	122
823AC	110/50	122
823AL	24V DC	122
830AE	24/50	122
A30AA	230/50	182
A30AC	110/50	182
A30AE	24/50	182
A30AL	24V DC	182
B10AA	230/50	122
B10AC	110/50	122
B10AE	24/50	122
B10AL	24V DC	122
530AA	230/50	182
530AC	110/50	182
530AL	24V DC	182
130AA	230/50	182
130AC	110/50	182
130AE	24/50	182
130AL	24V DC	182
923EA	230/50	182
923EC	110/50	182
923EE	24/50	182
923AL	24V DC	182
614AA	230/50	122
614AC	110/50	122
614AE	24V AC	122
534AA	230/50	182
534AC	110/50	182
534AE	24V AC	182
134AA	230/50	182
134AC	110/50	182
134AE	24V AC	182
934AA	230/50	182
934AC	110/50	182
934AE	24V AC	182
610AA	230/50	122
610AC	110/50	122
610AE	24/50	122
610AL	24V DC	122







Non-return Valves

**Material:** Carbon steel

**Plating:** Zinc-plated chrome free

**Interchangeability:** Stucchi VU, Holmbury ATR, VPC series

**Cracking Pressure:** 0.35 bar

**High Pressure 0.35 to 0.5 bar Cracking Pressure, BSPP**

0177	Thread	Length mm	Hex Size mm	Max Pressure Bar
EHRVG-14	1/4"	60	19	700
EHRVG-38	3/8"	70	24	700
EHRVG-12	1/2"	77	30	500
EHRVG-34	3/4"	90	36	500
EHRVG-1	1"	106	45	500
EHRVG-114	1.1/4"	125	55	400
EHRVG-112	1.1/2"	140	65	320
EHRVG-2	2"	160	75	320

Tech Sheet 10170

**Material:** Carbon steel

**Plating:** Zinc-plated chrome free

**Interchangeability:** Stucchi VU, Holmbury ATR, VPC series

**Cracking Pressure:** 3 bar

**3 bar Cracking Pressure, BSPP**

0177	Thread	Length mm	Hex Size mm	Max Pressure Bar
EHRVG-14-3CP	1/4"	62	19	350
EHRVG-38-3CP	3/8"	68	24	350
EHRVG-12-3CP	1/2"	77	30	350
EHRVG-34-3CP	3/4"	88	36	350
EHRVG-1-3CP	1"	105	41	350
EHRVG-114-3CP	1.1/4"	135	55	300
EHRVG-112-3CP	1.1/2"	145	60	300

Tech Sheet 10170



**Material:** Carbon steel

**Plating:** Zinc-plated chrome free

**Interchangeability:** Stucchi VU, Holmbury ATR, VPC series

**Cracking Pressure:** 5 bar

**5 bar Cracking Pressure, BSPP**

0177	Thread	Length mm	Hex Size mm	Max Pressure Bar
EHRVG-14-5CP	1/4"	62	19	350
EHRVG-38-5CP	3/8"	68	24	350
EHRVG-12-5CP	1/2"	77	30	350
EHRVG-34-5CP	3/4"	88	36	350
EHRVG-1-5CP	1"	105	41	350
EHRVG-114-5CP	1.1/4"	135	55	300
EHRVG-112-5CP	1.1/2"	145	60	300

Tech Sheet 10170



# HYDRAULIC BALL VALVES



## Hydraulic Ball Valves

Working Temperature:  
-20°C to +120°C

- Carbon steel body
- Excellent sealing properties
- Zinc-plated C6F
- High pressure
- Steel ball
- Full flow



### 3 Way, L-Ported, BSPP, Nitrile Seals

0177	Thread	Length mm	Max Pressure Bar
KHB3K-G1/4	1/4"	69	500
KHB3K-G3/8	3/8"	72	500
KHB3K-G1/2	1/2"	83	500
KHB3K-G3/4	3/4"	95	315
KHB3K-G1	1"	113	315
KHB3K-G11/4	1.1/4"	110	315
KHB3K-G11/2	1.1/2"	130	315

Tech Sheet 2129

Working Temperature:  
-20°C to +120°C

- Carbon steel body
- Excellent sealing properties
- Zinc-plated C6F
- High pressure
- Steel ball
- Full flow



### 3 Way, T-Ported, BSPP, Nitrile Seals

0177	Thread	Length mm	Max Pressure Bar
KHB3T-G1/4	1/4"	69	500
KHB3T-G3/8	3/8"	72	500
KHB3T-G1/2	1/2"	83	500
KHB3T-G3/4	3/4"	95	315
KHB3T-G1	1"	113	315
KHB3T-G11/4	1.1/4"	110	315
KHB3T-G11/2	1.1/2"	130	315

Tech Sheet 2129

## Lockable Hydraulic Ball Valves



### 3 Way, L-Ported, BSPP, Nitrile Seals

0177	Thread	DN Size	Length mm	Max Pressure Bar
KHB3K-G1/4-LK	1/4"	6	69	500
KHB3K-G3/8-LK	3/8"	10	72	500
KHB3K-G1/2-LK	1/2"	13	83	500
KHB3K-G3/4-LK	3/4"	20	95	315
KHB3K-G1-LK	1"	25	113	315
KHB3K-G11/4-LK	1.1/4"	25	110	315
KHB3K-G11/2-LK	1.1/2"	25	130	315

Tech Sheet 2129



### 3 Way, T-Ported, BSPP, Nitrile Seals

0177	Thread	DN Size	Length mm	Max Pressure Bar
KHB3T-G1/4-LK	1/4"	6	69	500
KHB3T-G3/8-LK	3/8"	10	72	500
KHB3T-G1/2-LK	1/2"	13	83	500
KHB3T-G3/4-LK	3/4"	20	95	315
KHB3T-G1-LK	1"	25	113	315
KHB3T-G11/4-LK	1.1/4"	25	110	315
KHB3T-G11/2-LK	1.1/2"	25	130	315

Tech Sheet 2129

## High Pressure 2 Way Ball Valves



**N.B.** From 1.1/4" - 1.1/2" are supplied with flat handles.



### High Pressure, Carbon Steel Valves, BSPP

0098	Thread	Max Pressure Bar
BKH-14	1/4"	500
BKH-38	3/8"	500
BKH-12	1/2"	500
BKH-34	3/4"	420
BKH-1	1"	315
BKH-114	1.1/4"	315
BKH-112	1.1/2"	315

Tech Sheet 817



## Safety Valves

With the introduction of the European Pressure Equipment Directive, which recommend relevant testing and quality assurance with appropriate certification with regard to safety.

This range of safety valves are manufactured and tested in accordance to the regulations (DIN 3320.AD SHEET A2/A4) which meets applicable specifications both nationally and internationally. Compliance with the component test report, by the identification the manufacture provides a guarantee for the specified setting values.

Test certificates come as standard.

**Note:** This product is CE marked, to comply with legislation.



## Nominal Diameter 8mm, 1/4" BSPP

0093	Set Pressure Bar
2035-0773	1
2042-2887	1.5
2042-2895	2
2020-8860	2.5
2042-2903	3
2042-2911	3.5
2020-8864	4
2042-2929	4.5
2020-8872	5
2042-2937	5.5
2042-2945	6
2042-2952	6.5
2042-2960	7
2020-8880	7.5
2020-8898	8
2042-2978	8.5
2031-7020	9
2020-8906	10
2042-2986	10.5
2020-8914	11
2020-8922	11.5
2020-8930	12
2020-8948	15
Tech Sheet 1762	

## Nominal Diameter 10mm, 3/8" BSPP

0093	Set Pressure Bar
2020-8955	5
2020-8971	6
2020-8989	7
2020-8997	8
2020-9003	10
2020-9011	11
2020-9029	12
2020-9045	15
Tech Sheet 1762	

## Nominal Diameter 10mm, 1/2" BSPP

0093	Set Pressure Bar
2042-2994	0.5
2042-3000	1.5
2042-3018	2.5
2042-3026	3.5
2020-9052	4
2020-9060	5
2042-3034	5.5
2020-9086	6
2042-3042	6.5
2020-9094	7
2020-9102	7.5
2020-9110	8
2042-3059	8.5
2042-3067	9
2020-9128	10
2042-3075	10.5
2020-9136	11
2020-9144	11.5
2020-9151	12
2042-3083	12.5
2020-9169	15
2042-3091	16
2042-3109	30
Tech Sheet 1762	

## Nominal Diameter 10mm, 3/4" BSPP

0093	Set Pressure Bar
2020-9177	6
2020-9193	8
2020-9201	10
2020-9219	11
Tech Sheet 1762	

Individual test certificates come as standard

Other relief settings available on special request.

# SECTION 11

## Air Preparation & Gauges



- Titan A Series FRL's
- Titan D Series FRL's
- Titan A9 Series FRL's
- Titan PR Series Precision Regulators
- Kelm FRL's
- PCL FRL's
- Electronic Timer Drain Valves
- No Loss Electro Drains
- No Loss Pneumatic Drains
- Pressure Gauges
- WIKA Pressure Gauges
- Vacuum Gauges
- Hydraulic Gauges
- HVAC Gauges
- Sika Digital Gauges
- Sika Calibration

Automatic Drain Valves, Electronic	633-634	Pressure Gauges	636-648
Automatic Drain Valves, Electronic No Loss	634	Pressure Gauges, Dry	636-638
Automatic Drain Valves, Pneumatic No Loss	634	Regulators In-line ECO	631
Calibration	647-648	Sika Calibration	647-648
Condensate Separators	634	Temperature Gauges	643
Glycerine Filled Gauges	639-642	Titan A Series FRL's	611-613
HVAC Gauges	646	Titan A9 Series FRL's	619
Hydraulic Gauges	641-644	Titan Air Preparation	611-619
Kelm Air Preparation	620-629	Titan Condensate Separators	634
Kelm Series Air Service Units, Wall Mounted	626	Titan D Series FRL's	614-618
Kelm Series FRL Accessories	628-629	Titan Drain Valves	634
Kelm Series FRL's	620-625	Titan PR Precision Series Regulators	619
Kelm Series Lockable Shut-off Valves	627	Vacuum Gauges	638
Kelm Series Soft Start Valves	627	Visual Indicators	630
Mini In-line FRL's	630	Welding Gauges	638
PCL Air Preparation	632	Wika Gauges	643-646
PCL FRL's	632		

# TITAN A SERIES AIR PREPARATION

## A Series Regulators



### AR2 Series Regulator 1/8" G - 1/4" G

0600	Port Size G	Gauge Thread G	Max Flow L/min
AR2000-01	1/8"	1/8"	550
AR2000-02	1/4"	1/8"	550



### AR3 Series Regulator 1/4" G

0600	Port Size G	Gauge Thread G	Max Flow L/min
AR3000-02	1/4"	1/8"	2500



### AR4 Series Regulator 1/2" G - 3/4" G

0600	Port Size G	Gauge Thread G	Max Flow L/min
AR4000-04	1/2"	1/4"	6000
AR4000-046	3/4"	1/4"	6000



### AR5 Series Regulators 3/4" G - 1" G

0600	Port Size G	Gauge Thread G	Max Flow L/min
AR5000-06	3/4"	1/4"	8000
AR5000-10	1"	1/4"	8000

## A Series Filter Regulators



### AW2 Series Filter Regulator 1/8" G - 1/4" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AW2000-01	1/8"	1/8"	550	Manual
AW2000-02	1/4"	1/8"	550	Manual
AW2000-02D	1/4"	1/8"	550	Auto Drain



### AW3 Series Filter Regulator 1/4" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AW3000-02	1/4"	1/8"	2000	Manual
AW3000-02D	1/4"	1/8"	2000	Auto Drain



### AW4 Series Filter Regulator 1/2" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AW4000-04	1/2"	1/4"	4000-4500	Manual
AW4000-04D	1/2"	1/4"	4000-4500	Auto Drain



### AW5 Series Filter Regulators 3/4" G - 1" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AW5000-06D	3/4"	1/4"	5500	Auto Drain
AW5000-10D	1"	1/4"	5500	Auto Drain



## A Series Combi Sets



### AC2 Series Filter Regulator & Lube Combi Sets 1/8" G - 1/4" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AC2010-01	1/8"	1/8"	500	Manual
AC2010-02	1/4"	1/8"	500	Manual
AC2010-02D	1/4"	1/8"	500	Auto Drain



### AC3 Series Filter Regulator & Lube Combi Sets 1/4" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AC3010-02	1/4"	1/4"	1700	Manual
AC3010-02D	1/4"	1/4"	1700	Auto Drain



### AC4 Series Filter Regulator & Lube Combi Sets 1/2" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AC4010-04	1/2"	1/4"	3000	Manual
AC4010-04D	1/2"	1/4"	3000	Auto Drain



### AC5 Series Filter Regulator & Lube Combi Sets 3/4" G - 1" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AC5010-06D	3/4"	1/4"	4000	Auto Drain
AC5010-10D	1"	1/4"	4000	Auto Drain

## A Series Filters



### AF2 Series Filter 1/8" G - 1/4" G

0600	Port Size G	Max Flow L/min	Drain
AF2000-01	1/8"	750	Manual
AF2000-01D	1/8"	750	Auto Drain
AF2000-02	1/4"	750	Manual
AF2000-02D	1/4"	750	Auto Drain



### AF3 Series Filter 1/4" G

0600	Port Size G	Max Flow L/min	Drain
AF3000-02	1/4"	1500	Manual
AF3000-02D	1/4"	1500	Auto Drain



### AF4 Series Filter 1/2" G - 3/4" G

0600	Port Size G	Max Flow L/min	Drain
AF4000-04	1/2"	4000-6000	Manual
AF4000-04D	1/2"	4000-6000	Auto Drain
AF4000-06D	3/4"	4000-6000	Auto Drain



### AF5 Series Filter 3/4" G - 1" G

0600	Port Size G	Max Flow L/min	Drain
AF5000-06D	3/4"	7000	Auto Drain
AF5000-10D	1"	7000	Auto Drain



# TITAN A SERIES AIR PREPARATION

## A Series Lubricators



### AL2 Series Lubricator 1/8" G - 1/4" G

0600	Port Size G	Max Flow L/min
AL2000-01	1/8"	800
AL2000-02	1/4"	800



### AL3 Series Lubricator 1/4" G

0600	Port Size G	Max Flow L/min
AL3000-02	1/4"	1700



### AL4 Series Lubricator 1/2" G

0600	Port Size G	Max Flow L/min
AL4000-04	1/2"	5000-6300

## A Series Mounting Brackets



### A2 Series Mounting Bracket

0600	Description
A2000-BRKT	Mounting Bracket



### A3 Series Mounting Bracket

0600	Description
A3000-BRKT	Mounting Bracket



### A4 Series Mounting Bracket

0600	Description
A4000-BRKT	Mounting Bracket



### A5 Series Mounting Bracket

0600	Description
A5000-BRKT	Mounting Bracket



### A2 Series FRL Connecting Bracket

0600	Description
A200T	Body Bracket



### A3 Series FRL Connecting Bracket

0600	Description
A300T	Body Bracket



### A4 Series Mounting Bracket

0600	Description
A400T	Mounting Bracket



### A5 Series FRL Connecting Bracket

0600	Description
A500T	Mounting Bracket



## D Series Regulators



DR1 Series Regulator M5 - 1/8" G

0600	Port Size G	Gauge Thread G	Max Flow L/min
DR100-M5	M5	M5	500
DR100-01	1/8"	M5	500



DR4 Series Regulator 3/8" G - 1/2" G

0600	Port Size G	Gauge Thread G	Max Flow L/min
DR400-03	3/8"	1/4"	3500
DR400-04	1/2"	1/4"	3500



DR2 Series Regulator 1/8" G - 3/8" G

0600	Port Size G	Gauge Thread G	Max Flow L/min
DR200-01	1/8"	1/8"	1700
DR200-02	1/4"	1/8"	1700
DR200-03	3/8"	1/8"	1700



DR6 Series Regulator 3/4" G - 1" G

0600	Port Size G	Gauge Thread G	Max Flow L/min
DR600-06	3/4"	1/4"	11500
DR600-08	1"	1/4"	11500



## D Series Filter Regulators



**DC1 Series Filter Regulator M5 - 1/8" G**

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
<b>DFR100-M5</b>	M5	M5	500	Manual
<b>DFR100-01</b>	1/8"	M5	500	Manual



**DC2 Series Filter Regulator 1/8" G - 3/8" G**

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
<b>DFR200-01</b>	1/8"	1/8"	1700	Manual
<b>DFR200-02</b>	1/4"	1/8"	1700	Manual
<b>DFR200-02D</b>	1/4"	1/8"	1700	Auto Drain
<b>DFR200-03D</b>	3/8"	1/8"	1700	Auto Drain



**DC4 Series Filter Regulator 3/8" G - 3/4" G**

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
<b>DFR400-03D</b>	3/8"	1/4"	3500	Auto Drain
<b>DFR400-04</b>	1/2"	1/4"	3500	Manual
<b>DFR400-04D</b>	1/2"	1/4"	3500	Auto Drain
<b>DFR400-06</b>	3/4"	1/4"	3500	Manual
<b>DFR400-06D</b>	3/4"	1/4"	3500	Auto Drain



**DC6 Series Filter Regulator 3/4" G - 1" G**

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
<b>DFR600-06</b>	3/4"	1/4"	11500	Manual
<b>DFR600-08</b>	1"	1/4"	11500	Manual
<b>DFR600-08D</b>	1"	1/4"	11500	Auto Drain



## D Series Combi Sets



## DC1 Series Filter Regulator &amp; Lube Combi Sets M5 - 1/8" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
DC101-M5	M5	M5	500	Manual
DC101-01	1/8"	M5	500	Manual



## DC4 Series Filter Regulator &amp; Lube Combi Sets 3/8" G - 3/4" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
DC201-01	3/8"	1/4"	3500	Auto Drain
DC201-02	1/2"	1/4"	3500	Manual
DC201-02D	1/2"	1/4"	3500	Auto Drain
DC201-03D	3/4"	1/4"	3500	Auto Drain



## DC2 Series Filter Regulator &amp; Lube Combi Sets 1/8" G - 3/8" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
DC201-01	1/8"	1/8"	1700	Manual
DC201-02	1/4"	1/8"	1700	Manual
DC201-02D	1/4"	1/8"	1700	Auto Drain
DC201-03D	3/8"	1/8"	1700	Auto Drain



## DC6 Series Filter Regulator &amp; Lube Combi Sets 3/4" G - 1" G

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
DC601-06	3/4"	1/4"	11500	Manual
DC601-08	1"	1/4"	11500	Manual
DC601-08D	1"	1/4"	11500	Auto Drain



## DC4 Series Filter Regulator &amp; Lube Carry Set 1/2"

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
DC401-04CB	1/2"	1/4"	3500	Auto Drain



# TITAN D SERIES AIR PREPARATION

## D Series Filters



### DF1 Series Filter M5 - 1/8" G

0600	Port Size G	Max Flow L/min	Drain
<b>DF100-M5</b>	M5	500	Manual
<b>DF100-01</b>	1/8"	500	Manual



### DF2 Series Filter 1/8" G - 3/8" G

0600	Port Size G	Max Flow L/min	Drain
<b>DF200-01</b>	1/8"	2000	Manual
<b>DF200-02</b>	1/4"	2000	Manual
<b>DF200-02D</b>	1/4"	2000	Auto Drain
<b>DF200-03D</b>	1/4"	2000	Auto Drain



### DF4 Series Filter 3/8" G - 3/4" G

0600	Port Size G	Max Flow L/min	Drain
<b>DF400-03D</b>	3/8"	4000	Auto Drain
<b>DF400-04</b>	1/2"	4000	Manual
<b>DF400-04D</b>	1/2"	4000	Auto Drain
<b>DF400-06</b>	3/4"	4000	Manual
<b>DF400-06D</b>	3/4"	4000	Auto Drain



### DF6 Series Filter 3/4" G - 1" G

0600	Port Size G	Max Flow L/min	Drain
<b>DF600-06</b>	3/4"	11500	Manual
<b>DF600-08</b>	1"	11500	Manual
<b>DF600-08D</b>	1"	11500	Auto Drain

## D Series Lubricators



### DL1 Series Lubricator M5 - 1/8" G

0600	Port Size G	Max Flow L/min
<b>DL100-M5</b>	M5	500
<b>DL100-01</b>	1/8"	500



### DL2 Series Lubricator 1/8" G - 3/8" G

0600	Port Size G	Max Flow L/min
<b>DL200-01</b>	1/8"	2000
<b>DL200-02</b>	1/4"	2000
<b>DL200-03</b>	3/8"	2000



### DL4 Series Lubricator 3/8" G - 1/2" G

0600	Port Size G	Max Flow L/min
<b>DL400-03</b>	3/8"	4000
<b>DL400-04</b>	1/2"	4000





## D Series Accessories



## Distribution Blocks

0600	Series	Size
DG200-01	200	1/8"
DG200-02	200	1/4"
DG200-03	200	3/8"
DG400-03	400	3/8"
DG400-04	400	1/2"
DG400-06	400	3/4"
DG600-06	600	3/4"
DG600-08	600	1"



## 5 Micron Elements

0600	Series
D200-PE	200
D400-PE	400
D600-PE	600



## Port Block Sets

0600	Series	Size
D200LB-01	200	1/8"
D200LB-02	200	1/4"
D200LB-03	200	3/8"
D400LB-03	400	3/8"
D400LB-04	400	1/2"
D400LB-06	400	3/4"
D600LB-06	600	3/4"
D600LB-08	600	1"



## Filter to Regulator Joiner Kits

0600	Series
DFDR200JK	200
DFDR400JK	400
DFDR600JK	600

## Regulator to Lube Joiner Kits

0600	Series
DC201JK	200
DC401JK	400
DC601JK	600

## Filter to Regulator to Lube Joiner Kits

0600	Series
DC200JK	200
DC400JK	400
DC600JK	600



## 5 Micron Elements

0600	Series
D200-PE	200
D400-PE	400
D600-PE	600



# TITAN A9 SERIES AIR PREPARATION

## A9 Series Air Preparation

### AC9 Series Filter Regulator & Lube Combi Sets 1.1/2" - 2"

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AC901-15D	1.1/2"	1/4"	17500	Auto Drain
AC901-20D	2"	1/4"	17500	Auto Drain



### AF9 Series Filters 1.1/2" - 2"

0600	Port Size G	Max Flow L/min	Drain
AC900-15D	1.1/2"	17500	Auto Drain
AC900-20D	2"	17500	Auto Drain



### AFR9 Series Filter Regulators 1.1/2" - 2"

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AFR900-15D	1.1/2"	1/4"	17500	Auto Drain
AFR900-20D	2"	1/4"	17500	Auto Drain



### AF9 Series Filters 1.1/2" - 2"

0600	Port Size G	Max Flow L/min
AC900-15	1.1/2"	17500
AC900-20	2"	17500



### AR9 Series Regulators 1.1/2" - 2"

0600	Port Size G	Gauge Thread G	Max Flow L/min	Drain
AR900-15	1.1/2"	1/4"	17500	Auto Drain
AR900-20	2"	1/4"	17500	Auto Drain



# TITAN PR SERIES AIR PREPARATION

## PR Series Air Preparation

### PR100 Series 1/8" Precision Regulators

0600	Range MPA	Max Flow L/min
PR100-01	0.005-0.2	4.4 (ANR)
PR101-01	0.01-0.4	4.4 (ANR)
PR102-01	0.01-0.8	4.4 (ANR)



### PR200 Series 1/4" Precision Regulators

0600	Range MPA	Max Flow L/min
PR100-01	0.005-0.2	4.4 (ANR)
PR101-01	0.01-0.4	4.4 (ANR)
PR102-01	0.01-0.8	4.4 (ANR)



### PR300 Series 1/2" Precision Regulator

0600	Range MPA	Max Flow L/min
PR302-04	0.01-0.8	11.5 (ANR)





° Working Temperature:  
-5°C to +60°C

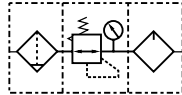
Maximum Working Pressure:  
10 bar

40 Micron fitted as standard  
Auto or semi-auto drain fitted as standard  
Guarded bowl protection on Series 300, 400 and 600

All KELM™ Regulators can now be adapted to use either a 40mm or 50mm round face gauge with the new KELM Gauge Adaptor. See page 629

## 200 Series Filter + Regulator + Lubricator Combination Units

Operating Pressure  
1.5 to 9.0 bar

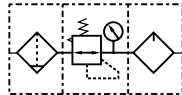


Semi-auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KCS200-06-F-3	1/8"	3000
KCS200-08-F-3	1/4"	3000
Tech Sheet 3060		

## 300 Series Filter + Regulator + Lubricator Combination Units

Operating Pressure  
1.5 to 9.0 bar



Auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

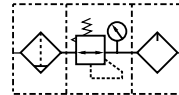
0338	Thread	LPM
KCS300-08-A-F-3	1/4"	4000
KCS300-10-A-F-3	3/8"	4000
KCS300-15-A-F-3	1/2"	4000
Tech Sheet 3060		

Semi-auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KCS300-08-F-3	1/4"	4000
KCS300-10-F-3	3/8"	4000
KCS300-15-F-3	1/2"	4000
Tech Sheet 3060		

## 400 Series Filter + Regulator + Lubricator Combination Units

Operating Pressure  
1.5 to 9.0 bar



Auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

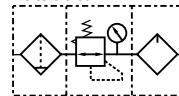
0338	Thread	LPM
KCS400-10-A-F-3	3/8"	6000
KCS400-15-A-F-3	1/2"	6000
Tech Sheet 3060		

Semi-auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KCS400-10-F-3	3/8"	6000
KCS400-15-F-3	1/2"	6000
Tech Sheet 3060		

## 600 Series Filter + Regulator + Lubricator Combination Units

Operating Pressure  
1.5 to 9.0 bar



Auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KCS600-20-A-F-3	3/4"	9000
KCS600-25-A-F-3	1"	9000
Tech Sheet 3060		

Semi-auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KCS600-20-F-3	3/4"	9000
KCS600-25-F-3	1"	9000
Tech Sheet 3060		



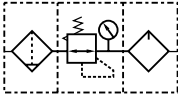
**Working Temperature:**  
-5°C to +60°C

**Maximum Working Pressure:**  
10 bar

40 Micron fitted as standard  
Auto or semi-auto drain fitted as standard  
Guarded bowl protection on Series 300, 400 and 600

## 200 Series Filter/Regulator + Lubricator Combination Units

Operating Pressure  
1.5 to 9.0 bar

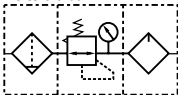


**Semi-auto Drain, supplied with Mounting Bracket & 10 bar Gauge, BSPP**

0338	Thread	LPM
KFCS200-06-F-3	1/8"	3000
KFCS200-08-F-3	1/4"	3000
Tech Sheet 3061		

## 300 Series Filter/Regulator + Lubricator Combination Units

Operating Pressure  
1.5 to 9.0 bar



**Auto Drain, supplied with Mounting Bracket & 10 bar Gauge, BSPP**

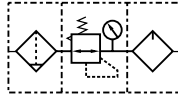
0338	Thread	LPM
KFCS300-08-A-F-3	1/4"	4000
KFCS300-10-A-F-3	3/8"	4000
KFCS300-15-A-F-3	1/2"	4000
Tech Sheet 3061		

**Semi-auto Drain, supplied with Mounting Bracket & 10 bar Gauge, BSPP**

0338	Thread	LPM
KFCS300-08-F-3	1/4"	4000
KFCS300-10-F-3	3/8"	4000
KFCS300-15-F-3	1/2"	4000
Tech Sheet 3061		

## 400 Series Filter/Regulator + Lubricator Combination Units

Operating Pressure  
1.5 to 9.0 bar



**Auto Drain, supplied with Mounting Bracket & 10 bar Gauge, BSPP**

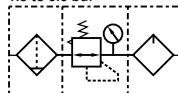
0338	Thread	LPM
KFCS400-10-A-F-3	3/8"	6000
KFCS400-15-A-F-3	1/2"	6000
Tech Sheet 3061		

**Semi-auto Drain, supplied with Mounting Bracket & 10 bar Gauge, BSPP**

0338	Thread	LPM
KFCS400-10-F-3	3/8"	6000
KFCS400-15-F-3	1/2"	6000
Tech Sheet 3061		

## 600 Series Filter/Regulator + Lubricator Combination Units

Operating Pressure  
1.5 to 9.0 bar



**Auto Drain, supplied with Mounting Bracket & 10 bar Gauge, BSPP**

0338	Thread	LPM
KFCS600-20-A-F-3	3/4"	9000
KFCS600-25-A-F-3	1"	9000
Tech Sheet 3061		

**Semi-auto Drain, supplied with Mounting Bracket & 10 bar Gauge, BSPP**

0338	Thread	LPM
KFCS600-20-F-3	3/4"	9000
KFCS600-25-F-3	1"	9000
Tech Sheet 3061		



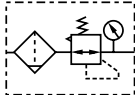
° Working Temperature:  
-5°C to +60°C

Maximum Working Pressure:  
10 bar

40 Micron fitted as standard  
Auto or semi-auto drain fitted as standard  
Guarded bowl protection on Series 300, 400 and 600

## 200 Series Filter/Regulators

Operating Pressure  
1.5 to 9.0 bar



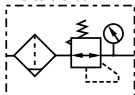
Semi-auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KFRS200-06-F-3	1/8"	3000
KFRS200-08-F-3	1/4"	3000

Tech Sheet 3062

## 300 Series Filter/Regulators

Operating Pressure  
1.5 to 9.0 bar



Auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KFRS300-08-A-F-3	1/4"	4000
KFRS300-10-A-F-3	3/8"	4000
KFRS300-15-A-F-3	1/2"	4000

Tech Sheet 3062

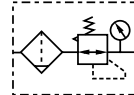
Semi-auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KFRS300-08-F-3	1/4"	4000
KFRS300-10-F-3	3/8"	4000
KFRS300-15-F-3	1/2"	4000

Tech Sheet 3062

## 400 Series Filter/Regulators

Operating Pressure  
1.5 to 9.0 bar



Auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KFRS400-10-A-F-3	3/8"	6000
KFRS400-15-A-F-3	1/2"	6000

Tech Sheet 3062

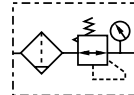
Semi-auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KFRS400-10-F-3	3/8"	6000
KFRS400-15-F-3	1/2"	6000

Tech Sheet 3062

## 600 Series Filter/Regulators

Operating Pressure  
1.5 to 9.0 bar



Auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KFRS600-20-A-F-3	3/4"	9000
KFRS600-25-A-F-3	1"	9000

Tech Sheet 3062

Semi-auto Drain, supplied with  
Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread	LPM
KFRS600-20-F-3	3/4"	9000
KFRS600-25-F-3	1"	9000

Tech Sheet 3062



**Working Temperature:**  
-5°C to +60°C

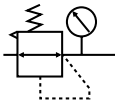
**Maximum Working Pressure:**  
10 bar

40 Micron fitted as standard  
Auto or semi-auto drain fitted as standard  
Guarded bowl protection on Series 300, 400 and 600

All KELM™ Regulators can now be adapted to use either a 40mm or 50mm round face gauge with the new KELM Gauge Adaptor. See page 629

## Mini Regulators

Max inlet pressure 10 bar  
Operating pressure 0.5 to 9.0 bar

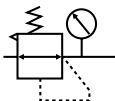


**Supplied with Mounting Bracket & 10 bar Gauge, BSPP**

0338	Thread
KRS200-06	1/8"
KRS200-08	1/4"
Tech Sheet 3066	

## 200 Series Regulators

Operating pressure 1.5 to 9.0 bar

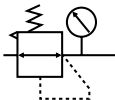


**Supplied with Mounting Bracket & 10 bar Gauge, BSPP**

0338	Thread	LPM
KRS200-06-F-3	1/8"	3000
KRS200-08-F-3	1/4"	3000
Tech Sheet 3064		

## 300 Series Regulators

Operating pressure 1.5 to 9.0 bar

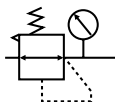


**Supplied with Mounting Bracket & 10 bar Gauge, BSPP**

0338	Thread	LPM
KRS300-08-F-3	1/4"	5000
KRS300-10-F-3	3/8"	5000
KRS300-15-F-3	1/2"	5000
Tech Sheet 3064		

## 400 Series Regulators

Operating pressure 1.5 to 9.0 bar

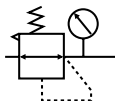


**Supplied with Mounting Bracket & 10 bar Gauge, BSPP**

0338	Thread	LPM
KRS400-10-F-3	3/8"	7500
KRS400-15-F-3	1/2"	7500
Tech Sheet 3064		

## 600 Series Regulators

Operating pressure 1.5 to 9.0 bar



**Supplied with Mounting Bracket & 10 bar Gauge, BSPP**

0338	Thread	LPM
KRS600-20-F-3	3/4"	9500
KRS600-25-F-3	1"	9500
Tech Sheet 3064		





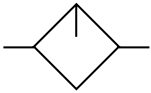
° Working Temperature:  
-5°C to +60°C



Maximum Working Pressure:  
10 bar

Guarded bowl protection on Series 300, 400 and 600

## 200 Series Lubricators

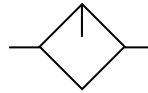


Supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KLS200-06	1/8"	3000
KLS200-08	1/4"	3000

Tech Sheet 3065

## 400 Series Lubricators

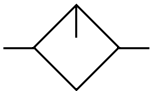


Supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KLS400-10	3/8"	7500
KLS400-15	1/2"	7500

Tech Sheet 3065

## 300 Series Lubricators

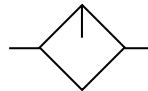


Supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KLS300-08	1/4"	5000
KLS300-10	3/8"	5000
KLS300-15	1/2"	5000

Tech Sheet 3065

## 600 Series Lubricators



Supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KLS600-20	3/4"	9000
KLS600-25	1"	9000

Tech Sheet 3065

For Malleable Iron  
see Section 4



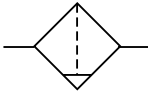


**Working Temperature:**  
-5°C to +60°C

**Maximum Working Pressure:**  
10 bar

40 Micron fitted as standard  
Auto or semi-auto drain fitted as standard  
Guarded bowl protection on Series 300, 400 and 600

## 200 Series Filters

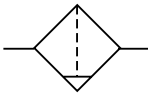


### Semi-auto Drain, supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KFS200-06	1/8"	3000
KFS200-08	1/4"	3000

Tech Sheet 3063

## 300 Series Filters



### Auto Drain, supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KFS300-08-A	1/4"	5000
KFS300-10-A	3/8"	5000
KFS300-15-A	1/2"	5000

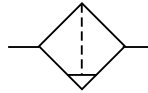
Tech Sheet 3063

### Semi-auto Drain, supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KFS300-08	1/4"	5000
KFS300-10	3/8"	5000
KFS300-15	1/2"	5000

Tech Sheet 3063

## 400 Series Filters



### Auto Drain, supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KFS400-10-A	3/8"	7500
KFS400-15-A	1/2"	7500

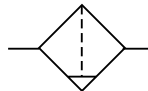
Tech Sheet 3063

### Semi-auto Drain, supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KFS400-10	3/8"	7500
KFS400-15	1/2"	7500

Tech Sheet 3063

## 600 Series Filters



### Auto Drain, supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KFS600-20-A	3/4"	10000
KFS600-25-A	1"	10000

Tech Sheet 3063

### Semi-auto Drain, supplied with Mounting Bracket, BSPP

0338	Thread	LPM
KFS600-20	3/4"	10000
KFS600-25	1"	10000

Tech Sheet 3063



**Working Temperature:**  
-5°C to +60°C

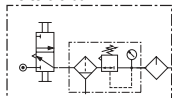
**Maximum Working Pressure:**  
10 bar

**KELM™ Air Service Units come complete with:**  
Filter/regulator, lubricator, 3/2 shut-off valve, mounting bracket and 10 bar pressure gauge.

Available in both auto drain and semi-auto drain. The units are also available on a floor stand for use with mobile compressors for use on site. All KELM™ Regulators can now be adapted to use either a 40mm or 50mm round face gauge with the new KELM Gauge Adaptor. See page 629

## 300 Series Air Service Unit, Wall Mount

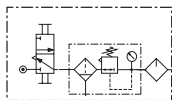
Operating Pressure  
1.5 to 9.0 bar



**Auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP**

0338	Thread	LPM
KCAS300-15-A-F-3	1/2"	4000
Tech Sheet 10286		

Operating Pressure  
1.5 to 9.0 bar

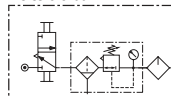


**Semi-auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP**

0338	Thread	LPM
KCAS300-15-F-3	1/2"	4000
Tech Sheet 10286		

## 400 Series Air Service Unit, Wall Mount

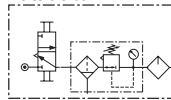
Operating Pressure  
1.5 to 9.0 bar



**Auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP**

0338	Thread	LPM
KCAS400-15-A-F-3	1/2"	6000
Tech Sheet 10286		

Operating Pressure  
1.5 to 9.0 bar



**Semi-auto Drain, supplied with Shut-off Valve & 10 bar Gauge, BSPP**

0338	Thread	LPM
KCAS400-15-F-3	1/2"	6000
Tech Sheet 10286		



**Working Temperature:**  
-20°C to +70°C

**Maximum Working Pressure:** 9 bar

Soft Start Valves are increasingly being used where safety is key in the start up of systems and machines in helping protect the operators and the equipment.

The valves allow the pressure to gradually increase to the full flow required on start up of the system.

OSHA approved.

These units can be used in conjunction with KELM™ Air Preparation with the addition of brackets style 'U' or 'L', or as a stand alone in-line unit.

All KELM™ Regulators can now be adapted to use either a 40mm or 50mm round face gauge with the new KELM Gauge Adaptor. See page 629

## 200 Series Soft Start Valves, Solenoid

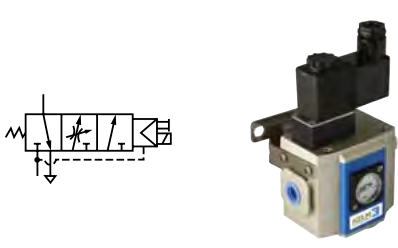


24V DC, supplied with Coil, DIN Plug, Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread
KC200-06	1/8"
KC200-08	1/4"

Tech Sheet 3067

## 300 Series Soft Start Valves, Solenoid

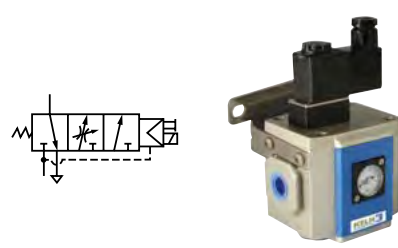


24V DC, supplied with Coil, DIN Plug, Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread
KC300-08	1/4"
KC300-10	3/8"
KC300-15	1/2"

Tech Sheet 3067

## 400 Series Soft Start Valves, Solenoid



24V DC, supplied with Coil, DIN Plug, Mounting Bracket & 10 bar Gauge, BSPP

0338	Thread
KC400-10	3/8"
KC400-15	1/2"

Tech Sheet 3067



**Working Temperature:**  
-20°C to +70°C

**Maximum Working Pressure:** 9 bar

Lockable shut off valves prevent accidental start ups when maintenance or service work is being carried out on the machines. Padlock supplied.

These units can be used in conjunction with KELM™ Air Preparation with the addition of brackets style 'U' or 'L', or as a stand alone 3/2 exhausting ball valve.

## 200 Series 3/2 Shut-off Valves, Lockable

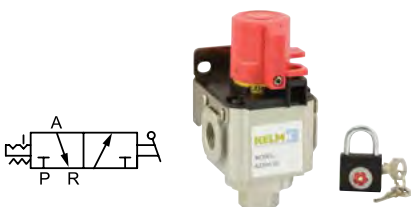


Supplied with Padlock & Mounting Bracket, BSPP

0338	Thread
KZ200-06	1/8"
KZ200-08	1/4"

Tech Sheet 3068

## 300 Series 3/2 Shut-off Valves, Lockable

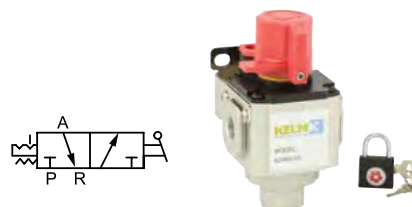


Supplied with Padlock & Mounting Bracket, BSPP

0338	Thread
KZ300-08	1/4"
KZ300-10	3/8"
KZ300-15	1/2"

Tech Sheet 3068

## 400 Series 3/2 Shut-off Valves, Lockable




Supplied with Padlock & Mounting Bracket, BSPP

0338	Thread
KZ400-10	3/8"
KZ400-15	1/2"

Tech Sheet 3068



 **Working Temperature:**  
-5°C to +60°C

 **Maximum Working Pressure:**  
10 bar

Can be fitted to any combination units, fitted before the lubricator it can be used to port off a non-lubricated air supply that might be required for your system.

These units are to be used in conjunction with KELM™ Air Preparation, or as a stand alone BSPP manifold block. When using with existing KELM™ Air Preparation, you will also require additional fixing brackets.

## 200 Series Porting Blocks



### BSPP

0338	Thread
KA200-06	1/8"
KA200-08	1/4"
Tech Sheet 3069	

## 400 Series Porting Blocks



### BSPP

0338	Thread
KA400-10	3/8"
KA400-15	1/2"
Tech Sheet 3069	

## 300 Series Porting Blocks



### BSPP

0338	Thread
KA300-08	1/4"
KA300-10	3/8"
Tech Sheet 3069	

## 600 Series Porting Blocks



### BSPP

0338	Thread
KA600-20	3/4"
KA600-25	1"
Tech Sheet 3069	

## Fixing Brackets



### U Style Brackets

0338	To Suit Series
KA200U-P1	200
KA300U-P1	300
KA400U-P1	400
KA600U-P1	600
Tech Sheet 3069	



### L Style Brackets

0338	To Suit Series
KA201-P1	200
KA301-P1	300
KA401-P1	400
KA601-P1	600
Tech Sheet 3069	

All KELM™ Regulators can now be adapted to use either a 40mm or 50mm round face gauge with the new KELM Gauge Adaptor. See below.

## Accessories



### Drain Bowl & Auto Drain

0338	To Suit Series
KF300-P6	300
KF400-P10	400
KF600-P1	600

Tech Sheet 20382



### Drain Bowl & Semi-auto Drain

0338	To Suit Series
KF200-P3	200
KF300-P5	300
KF400-P9	400
KF600-P2	600

Tech Sheet 20896



### Drain Bowl & Manual Drain

0338	To Suit Series
KF200-P6	200
KF300-P4	300
KF400-P11	400
KF600-P3	600

Tech Sheet 20380



### Filter Elements 40 Micron

0338	To Suit Series
KF200-004-1	200
KF300-004-1	300
KF400-004-1	400
KF600-004-1	600

Tech Sheet 20379



### Micro Gauge

0338	To Suit Series
K-PR010B-P1	

Tech Sheet 20381

All KELM™ regulators can be fitted with a 40mm or 50mm round faced gauge, by using the KELM gauge adaptor



### 1/8" BSPT, Steel Case Centre Back Connection

0338	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
KG40-10R	40	0-160	0-10
KG50-10R	50	0-160	0-10

### Filter Elements 5 Micron

0338	To Suit Series
KF200-004-2	200
KF300-004-2	300
KF400-004-2	400
KF600-004-2	600

Tech Sheet 20379



Complete with 2 x screws.

### Gauge Adaptor

0338	Thread	To Suit Series
KGA-1/8	1/8"	200 & 300
KGA-1/4	1/4"	400 & 600

Tech Sheet 20381



### Panel Mount Brackets, to suit Steel Dry Gauges

0338	To Suit mm
KPMB40R	40
KPMB50R	50

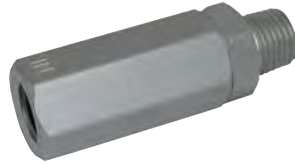


### In-line Filter Aluminium

Prevents dirt entering the air line

**Working Temperature:**  
0°C to +70°C

**Maximum Working Pressure:**  
10 bar



#### Male x Female Thread, BSPP

0043	Thread
ILF-14	1/4"
ILF-38	3/8"
Tech Sheet 824	

Flow: 400 L/min

**Working Temperature:**  
0°C to +45°C

**Maximum Working Pressure:**  
9 bar



#### Male x Female Thread, BSPP

0043	Thread
IF-14	1/4"
Tech Sheet 20383	

### In-line Brass Flow Regulator

**Working Temperature:**  
0°C to +70°C

**Maximum Working Pressure:**  
10 bar



#### Male x Female Thread, BSPP

0043	Thread
ILR-14	1/4"
Tech Sheet 20384	

### Mini In-line Oiler

**Working Temperature:**  
0°C to +45°C

**Maximum Working Pressure:**  
9 bar



#### Male x Female Thread, BSPP

0043	Thread
MO-14	1/4"
Tech Sheet 20385	

## VISUAL INDICATORS

### Panel Mounting Visual Indicators



**Working Temperature:**  
0°C to +60°C

**Working Pressure:**  
Full actuation: 0.5 to 7 bar (7 to 100 psi)  
Full de-actuation: 0 to 0.15 bar (0 to 2 psi)

Supplied with panel mounting nut  
Hole dimension 31mm Ø, panel thickness no more than 9mm



#### M5 x 0.8 Thread

0338	Description
VIS-001-04A	Off Red - On Green
VIS-001-04B	Off Green - On Red
Tech Sheet 3127	

#### 1/8" BSPP Thread

0338	Description
VIS-001-06A	Off Red - On Green
VIS-001-06B	Off Green - On Red
Tech Sheet 3127	



# REGULATORS

## CartReg

The CartReg miniature in-line preset pressure regulator is designed to meet OSHA (Occupational Safety and Health Administration, USA) and other safety agency requirements for 30psi maximum pressure for blow guns. The CartReg can easily be threaded into any 1/4" air blow gun or pneumatic tool.

- Safety: Protects personnel, machinery and plant by avoiding pressure surges
- Ensures optimal air tool efficiency by supplying a constant preset pressure
- Limits excessive compressed air consumption - reducing energy costs
- Easy assembly: can be integrated into any 1/4" BSP air tool
- Tamper-proof
- High-pressure performance (P1 = inlet pressure up to 18 bars)
- High flow performance (up to 500 L/min)



### 1/4" BSPP

0093	Set Pressure Bar
233G02120	2
233G02140	4
233G02160	6


Tech Sheet 1345

## EcoReg Regulator

In-line pre-set regulator for drinking water and other fluids.

 **Working Temperature:**  
Water: +4°C to +60°C



 **Maximum Working Pressure:**  
Water: 10 bar  
Other gases: 18 bar



### 1/4" BSPP

0093	Set Pressure Bar
239K0210	1
239K0220	2
239K0230	3
239K0240	4
239K0250	5
239K0260	6
239K0270	7
239K0280	8

Tech Sheet 60427

## SaveAir Regulator



### 1/4" BSPP

0093	Set Pressure Bar
231A0210	1
231A0220	2
231A0230	3
231A0240	4
231A0250	5
231A0260	6
231A0270	7
231A0280	8

Tech Sheet 1347

## Water Regulator



### 1/4" BSPP

0093	Set Pressure Bar
239A0210	1
239A0220	2
239A0230	3
239A0240	4

Tech Sheet 1348

## ToolReg

Male/Female



Female/Female

### 1/4" BSPP

0093	Inlet	Outlet	Set Pressure Bar
232A0220	Female	Female	2
232F0220	Male	Female	2
232A0230	Female	Female	3
232F0230	Male	Female	3
232A0240	Female	Female	4
232F0240	Male	Female	4
232A0260	Female	Female	6
232F0260	Male	Female	6
232A0270	Female	Female	7
232A0280	Female	Female	8
232F0280	Male	Female	8

Tech Sheet 1349

### 3/8" BSPP

0093	Inlet	Outlet	Set Pressure Bar
232A0340	Female	Female	4
232A0360	Female	Female	6
232A0380	Female	Female	8

Tech Sheet 1349



You might also need  
**Compressors**  
see **Section 13**

## Filter/Regulator + Lubricator

- Manual/semi automatic drain
- 10 micron filter
- Locking device
- Complete with wall bracket and pressure gauge



### Regulators

7000	Port Thread BSPP	Regulating Pressure
ATR6	1/4"	0-10
ATR12	1/2"	0-12



### Filters

7000	Drain	Port Thread BSPP	Filtration Micron
ATF6	Manual/Semi-automatic	1/4"	10
ATF12	Manual/Semi-automatic	1/2"	10



### Lubricators

7000	Port Thread BSPP
ATL6	1/4"
ATL12	1/2"



### Filter/Regulator, BSPP

7000	Thread
ATC6	1/4"
ATC12	1/2"

Tech Sheet 60545



### Filter/Regulator + Lubricator, BSPP

7000	Thread
ATCFRL6	1/4"
ATCFRL12	1/2"

Tech Sheet 60545

# AUTOMATIC DRAIN VALVES



## Easy Timer

**Valve Body:** Brass  
**Orifice Size:** 4.5 mm  
 IP65 Protection

**Easy Timer**  
 Timer On 0.5 to 10s  
 Timer Off 0.5 to 45 min  
 Test switch



## Digital Timer

**Valve Body:** Brass  
**Orifice Size:** 4.5 mm  
 IP65 Protection

**Digital Timer**  
 Timer On 0.1 to 99s  
 Timer Off 0.5 to 99 min  
 Test switch



### Brass Valve

0016	Thread	Voltage
720-01AC220	1/8"	220V AC
720-02AC220	1/4"	220V AC
720-03AC220	3/8"	220V AC
720-04AC220	1/2"	220V AC
720-01AC110	1/8"	110V AC
720-02AC110	1/4"	110V AC
720-03AC110	3/8"	110V AC

0016	Thread	Voltage
720-04AC110	1/2"	110V AC
720-02DC24	1/4"	24V DC
720-03DC24	3/8"	24V DC
720-04DC24	1/2"	24V DC
720-02AC24	1/4"	24V AC
720-03AC24	3/8"	24V AC
720-04AC24	1/2"	24V AC

Tech Sheet 70001

### Brass Valve

0016	Thread	Voltage
790-01AC220	1/8"	220V AC
790-02AC220	1/4"	220V AC
790-03AC220	3/8"	220V AC
790-04AC220	1/2"	220V AC
790-01AC110	1/8"	110V AC
790-02AC110	1/4"	110V AC
790-03AC110	3/8"	110V AC
790-04AC110	1/2"	110V AC

0016	Thread	Voltage
790-01DC24	1/8"	24V DC
790-02DC24	1/4"	24V DC
790-03DC24	3/8"	24V DC
790-04DC24	1/2"	24V DC
790-02AC24	1/4"	24V AC
790-03AC24	3/8"	24V AC
790-04AC24	1/2"	24V AC

Tech Sheet 70003

**Valve Body:** Brass  
**Orifice Size:** 3.5 mm  
**Mesh Size:** 29 micron  
 Manual isolation shut-off  
 IP65 Protection

**Easy Timer**  
 Timer On 0.5 to 10s  
 Timer Off 0.5 to 45 min  
 Test switch



**Valve Body:** Brass  
**Orifice Size:** 3.5 mm  
**Mesh Size:** 29 micron  
 Manual isolation shut-off  
 IP65 Protection

**Digital Timer**  
 Timer On 0.1 to 99s  
 Timer Off 0.5 to 99 min  
 Test switch



### Brass Valve with Strainer

0016	Thread	Voltage
728A-04AC220	1/2"	220V AC
728A-04AC110	1/2"	110V AC
728A-04AC24	1/2"	24V AC

Tech Sheet 70002

### Brass Valve with Strainer

0016	Thread	Voltage
728A790-04AC220	1/2"	220V AC
728A790-04DC24	1/2"	24V DC

Tech Sheet 70004

## Spare Parts

**Valve Body:** Brass  
**Orifice Size:** 4.5 mm

**Working Temperature:**  
 -10°C to +70°C



**Maximum Working Pressure:**  
 16 bar

### Brass Valve

0016	Thread
CS-720W-01	1/8"
CS-720W-02	1/4"
CS-720W-03	3/8"
CS-720W-04	1/2"

**Valve Body:** Brass  
**Orifice Size:** 3.5 mm

**Working Temperature:**  
 -10°C to +70°C



**Maximum Working Pressure:**  
 16 bar

### Brass Strainer

0016	Thread
CS-S95-01	1/8"
CS-S95-03	3/8"
CS-S95-04	1/2"
CS-S95-02	1/4"

**Mesh Size:** 29 micron  
 Manual isolation shut-off

High pressure 80 bar option available on request.

Speak to Technical for most recent UL certification guidance for high voltage applications (110V and 220V AC).

### Coil

0016	Voltage
SB256-0543AC110	110V AC
SB256-0543AC220	220V AC
SB256-0543AC24	24V AC
SB257-0545DC24	24V DC



**Easy Timer**  
 Timer On 0.5 to 10s  
 Timer Off 0.5 to 45 min  
 Test switch



Easy

**Digital Timer**  
 Timer On 0.1 to 99s  
 Timer Off 0.5 to 99 min  
 Test switch



Digital

### Timer

0016	Voltage	Operation
XY-720	AC/DC	Easy
XY-790H	DC	Digital
XY-790L	AC	Digital

### Armature Set

0016	To Suit
CS-720-AR-2	720, 728-A



### Connector

0016
SB201-1



## Electronic Drains



### Electronic Timer Drain G1/2"

0600	Voltage
TVR-C-15	240V
TVR-C-15-110VAC	110V AC
TVR-C-15-24VAC	24V AC
TVR-C-15-24VDC	24V DC



### Electronic 30 bar Timer Drain G1/2"

0600	Voltage
TVR-G-15	240V



### TVR Alternative Voltage Coils

0600	Voltage
0200D-24VAC	24V AC
0200D-24VDC	24V DC
0200D-110VAC	110V AC

## No Loss Pneumatic & Electric Drain



### No Loss Pneumatic Condensate Drain 1/2"

0600	Inlet/Outlet BSPP	Pressure (bar)
TVR-20B	1/2" Male/Female	20



### Zero Loss Electric Drain - 106 CFM Capacity

0600	Capacity (CFM)	Thread
TZLD100	106	G1/2"



### Zero Loss Electric Drain - 350 CFM Capacity

0600	Capacity (CFM)	Thread
TZLD300	353 (Compressor)	G1/2"

## Condensate Separators



### Disposable Condensate Separator

0600	Capacity (CFM)
TCS60	60



### Condensate Separator - 100 CFM Capacity

0600	Capacity (CFM)
TCS100	100



### TCS100 Service Kit

0600	Description
TCS100-KIT	Service Kit TCS100





# PRESSURE GAUGES

Air-Pro dry gauges are a market leading range offering a reliable solution for pressure monitoring within pneumatic systems.

Used extensively throughout the world's manufacturing facilities, all units have been 100% pressure tested and inspected, so quality can be guaranteed.

## APPLICATIONS:

- Construction
- Chemical
- Agriculture
- Offshore
- Mining
- Automotive
- OEM machine
- Rail building
- Industrial





## Steel Case, Centre Back Connection

- Robust metal case
- Brass thread
- BSP taper



### 40mm Diameter, 1/8" BSPT Brass Connection

0021	Pressure Range PSI	Pressure Range Bar
2018-1681	0-15	0-1
2018-1699	0-30	0-2
2018-1707	0-60	0-4
2018-1723	0-100	0-6
2018-1731	0-160	0-10
2018-1749	0-200	0-12
2018-1756	0-300	0-20
Tech Sheet 20581		

### 50mm Diameter, 1/8" BSPT

0021	Pressure Range PSI	Pressure Range Bar
2018-1764	0-15	0-1
2018-1772	0-30	0-2
2018-1780	0-60	0-4
2018-1798	0-100	0-6
2018-1806	0-160	0-10
2018-1814	0-200	0-12
2018-1822	0-300	0-20
Tech Sheet 20581		

### 50mm Diameter, 1/4" BSPT

0021	Pressure Range PSI	Pressure Range Bar
PGR050114	0-15	0-1
PGR050314	0-30	0-2
PGR050414	0-60	0-4
PGR050614	0-100	0-6
PGR051014	0-160	0-10
PGR051214	0-200	0-12
PGR052014	0-300	0-20
Tech Sheet 20581		

### 63mm Diameter, 1/4" BSPT

0021	Pressure Range PSI	Pressure Range Bar
PGR060114	0-15	0-1
PGR061014	0-160	0-10
PGR061214	0-200	0-12
PGR062014	0-300	0-20
Tech Sheet 20581		

## ABS Case, Bottom Connection



### BSPT

0021	Thread	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
G50-01B	1/8"	50	0-15	0-1
G50-02B	1/8"	50	0-30	0-2
G50-04B	1/8"	50	0-60	0-4
G50-06B	1/8"	50	0-100	0-6
G50-10B	1/8"	50	0-160	0-10
G50-12B	1/8"	50	0-200	0-12
G50-01C	1/4"	50	0-15	0-1
G50-02C	1/4"	50	0-30	0-2
G50-025C	1/4"	50	0-40	0-2.5
G50-04C	1/4"	50	0-60	0-4
G50-06C	1/4"	50	0-100	0-6
G50-10C	1/4"	50	0-160	0-10
G50-12C	1/4"	50	0-200	0-12
G50-16C	1/4"	50	0-250	0-16
G63-01D	1/4"	63	0-15	0-1
G63-04D	1/4"	63	0-60	0-4
G100-04B	3/8"	100	0-60	0-4
G100-06B	3/8"	100	0-100	0-6
G100-10B	3/8"	100	0-160	0-10
G100-14B	3/8"	100	0-200	0-14
Tech Sheet 20582				

## ABS Case, Centre Back Connection



### BSPT

0021	Thread	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
G40-01V	1/8"	40	-	-1-0
G40-01R	1/8"	40	0-15	0-1
G40-02R	1/8"	40	0-30	0-2
G40-04R	1/8"	40	0-60	0-4
G40-06R	1/8"	40	0-100	0-6
G40-07R	1/8"	40	0-100	0-7
G40-10R	1/8"	40	0-160	0-10
G40-12R	1/8"	40	0-200	0-12
G40-16R	1/8"	40	0-250	0-16
G40-20R	1/8"	40	0-300	0-20
G50-01R	1/8"	50	0-15	0-1
G50-02R	1/8"	50	0-30	0-2
G50-04R	1/8"	50	0-60	0-4
G50-06R	1/8"	50	0-100	0-6
G50-10R	1/8"	50	0-160	0-10
G50-12R	1/8"	50	0-200	0-12
G50-16R	1/8"	50	0-250	0-16
G50-20R	1/8"	50	0-300	0-20
G50-02T	1/4"	50	0-30	0-2
G50-04T	1/4"	50	0-60	0-4
G50-06T	1/4"	50	0-100	0-6
G50-10T	1/4"	50	0-160	0-10
G50-12T	1/4"	50	0-200	0-12
G50-16T	1/4"	50	0-250	0-16
G50-20T	1/4"	50	0-300	0-20
G63-10T	1/4"	63	0-160	0-10
G63-12T	1/4"	63	0-200	0-12
G63-16T	1/4"	63	0-250	0-16
Tech Sheet 20584				



# DRY GAUGES

## Pressure Gauge Bottom Entry, Steel Case



### 50mm Diameter

0021	Thread	Pressure Range Bar
PGB050118	1/8"	0-1
PGB050318	1/8"	0-2
PGB050418	1/8"	0-4
PGB050618	1/8"	0-6
PGB051018	1/8"	0-10
PGB051418	1/8"	0-14
PGB052018	1/8"	0-20
PGB050114	1/4"	0-1
PGB050314	1/4"	0-2
PGB050414	1/4"	0-4
PGB050614	1/4"	0-6
PGB051014	1/4"	0-10
PGB051214	1/4"	0-12
PGB051414	1/4"	0-14
PGB052014	1/4"	0-20

### 63mm Diameter

0021	Thread	Pressure Range Bar
PGB060114	1/4"	0-1
PGB060314	1/4"	0-2
PGB060414	1/4"	0-4
PGB061014	1/4"	0-10
PGB061214	1/4"	0-12
PGB062014	1/4"	0-20

### 100mm Diameter

0021	Thread	Pressure Range Bar
PGB100138	3/8"	0-1
PGB100338	3/8"	0-2
PGB100438	3/8"	0-4
PGB100638	3/8"	0-6
PGB101038	3/8"	0-10
PGB101238	3/8"	0-12
PGB102038	3/8"	0-20

## Flange Type Pressure Gauges, Centre Back Connection



### 50mm Diameter, 1/4" BSPT

0021	Pressure Range PSI	Pressure Range Bar
2018-1830	0-160	0-10
2018-1848	0-200	0-12

Tech Sheet 20587

## Panel Mount, Stainless Steel Case, Centre Back Connection



### 50mm Diameter, 1/8" BSPT

0021	Pressure Range PSI	Pressure Range Bar
G50-12PM	0-200	0-12

Tech Sheet 20588

## Panel Mount Gauge, Centre Back Connection



### 1/8" BSPT

0021	Gauge Diameter mm	Pressure Range Bar
56144010	40	0-10
56145010	50	0-10

Tech Sheet 20386

## Panel Mounted Gauge, U Clamp



### Back Entry, BSP

0021	Ø mm	Pressure Range Bar	Thread
VGBU040118	40	-1-0	1/8"
PGBU040418	40	0-4	1/8"
VGBU060114	63	-1-0	1/4"
PGBU061014	63	0-10	1/4"

## Panel Mounted Gauge



### Back Entry, BSP

0021	Ø mm	Pressure Range Bar	Thread
VGBP040118	40	-1-0	1/8"
PGBP040318	40	0-2	1/8"
PGBP040418	40	0-4	1/8"
PGBP040618	40	0-6	1/8"
PGBP041018	40	0-10	1/8"
PGBP041218	40	0-12	1/8"
VGBP060114	63	-1-0	1/4"
PGBP060314	63	0-2	1/4"
PGBP060414	63	0-4	1/4"
PGBP060614	63	0-6	1/4"
PGBP061014	63	0-10	1/4"
PGBP061214	63	0-12	1/4"



## Capsule Gauges, Bottom Connection

1 Millibar = 0.001 bar



### Millibar Scale, 63mm Diameter, 1/4" BSPT

0021	Pressure Range Millibar
CG63-100B	0-100
CG63-250B	0-250
CG63-400B	0-400
CG63-600B	0-600

Tech Sheet 20586

## Welding Gauges, Oxygen, Bottom Connection



### 50mm Diameter, 1/4" BSPP

0021	Pressure Range Bar	Pressure Range PSI
OG50-050	0-5	0-80
OG50-010	0-10	0-160

Tech Sheet 20590

## Welding Gauges, Acetylene, Bottom Connection



### 50mm Diameter, 1/4" BSPP

0021	Pressure Range Bar	Pressure Range PSI
AG50-0015	0-1.5	0-30

Tech Sheet 20592

## Gauges, 40mm



### Gauges 40mm Panel Mounting 1/8" Back Connection, BSPT

0021	Male Thread	Pressure Range Bar	Pressure Range PSI
GCPM402	1/8"	0-2	0-30
GCPM404	1/8"	0-4	0-60
GCPM407	1/8"	0-6	0-100
GCPM4010	1/8"	0-11	0-160
GCPM4014	1/8"	0-14	0-200
GCPM4020	1/8"	0-20	0-300

## Gauges, 50 mm



### Gauges 50mm Panel Mounting 1/8" Back Connection, BSPT

0021	Male Thread	Pressure Range Bar	Pressure Range PSI
GCPM502	1/8"	0-2	0-30
GCPM504	1/8"	0-4	0-60
GCPM507	1/8"	0-6	0-100
GCPM5010	1/8"	0-11	0-160
GCPM5014	1/8"	0-14	0-200

## Vacuum Gauges, Back Connection



### Panel Mounting, BSPT

0021	Male Thread	Gauge Diameter mm	Dry/Gly
GCVPM40/02	1/8"	40	Dry
GCVPM50/02	1/8"	50	Dry

## Vacuum Gauges, Centre Back Connection



### BSPT

0021	Thread	Gauge Diameter mm	Max Pressure Hg	Max Pressure Bar
VG40-01R	1/8"	40	-30	-1
VG50-01R	1/8"	50	-30	-1
VG50-01T	1/4"	50	-30	-1
VG63-01T	1/4"	63	-30	-1
VG100-01T	3/8"	100	-30	-1

Tech Sheet 20583

### Stainless Steel

0021	Thread	Gauge Diameter mm	Dry/Gly
GCV63/04	1/4" BSPP	63	Gly
GCV63/04D	1/4" BSPT	63	Dry
GCV100/06	3/8" BSPP	100	Gly
GCV100/06D	3/8" BSPT	100	Dry

## Vacuum Gauges, Bottom Connection



### BSPT

0021	Thread	Gauge Diameter mm	Max Pressure Hg	Max Pressure Bar
VG40-01B	1/8"	40	-30	-1
VG50-01B	1/8"	50	-30	-1
VG50-01C	1/4"	50	-30	-1
VG63-01C	1/4"	63	-30	-1
VG100-01D	3/8"	100	-30	-1

Tech Sheet 20585

### Stainless Steel

0021	Thread	Gauge Diameter mm	Dry/Gly
GBV63/04	1/4" BSPP	63	Gly
GBV63/04D	1/4" BSPT	63	Dry
GBV100/06	3/8" BSPP	100	Gly
GBV100/06D	3/8" BSPT	100	Dry

All pressure gauges can be supplied with a calibration certificate at a nominal charge.  
Please call our Business Development Team for price and delivery.



# PRESSURE & VACUUM GAUGES

## Glycerine Filled Gauge, Back Entry, Stainless Steel Case



### 63mm Diameter

0021	Thread	Pressure Range Bar
PGRG060114	1/4"	0-1
PGRG060314	1/4"	0-2
PGRG060414	1/4"	0-4
PGRG060614	1/4"	0-6
PGRG061014	1/4"	0-10
PGRG061214	1/4"	0-12
PGRG061414	1/4"	0-14
PGRG062014	1/4"	0-20
PGRG062514	1/4"	0-25
PGRG064014	1/4"	0-40
PGRG066014	1/4"	0-60
PGRG0612014	1/4"	0-120
PGRG0620014	1/4"	0-200
PGRG0625014	1/4"	0-250
PGRG0640014	1/4"	0-400
PGRG0660014	1/4"	0-600

### 100mm Diameter

0021	Thread	Pressure Range Bar
PGRG100712	1/2"	0-7 bar
PGRG101212	1/2"	0-12
PGRG102012	1/2"	0-20 bar
PGRG102812	1/2"	0-28 bar
PGRG104012	1/2"	0-40 bar
PGRG114012	1/2"	0-140 bar
PGRG120012	1/2"	0-200 bar
PGRG128012	1/2"	0-280 bar
PGRG140012	1/2"	0-400 bar
PGRG170012	1/2"	0-700 bar

## Glycerine Filled Gauge, Bottom Entry, Stainless Steel Case



### 63mm Diameter

0021	Thread	Pressure Range Bar
VBBG060114	1/4"	-1-0
PBBG060114	1/4"	0-1
PBBG060314	1/4"	0-2
PBBG060414	1/4"	0-4
PBBG060614	1/4"	0-6
PBBG061014	1/4"	0-10
PBBG061214	1/4"	0-12
PBBG061414	1/4"	0-14
PBBG062014	1/4"	0-20
PBBG062514	1/4"	0-25
PBBG064014	1/4"	0-40
PBBG066014	1/4"	0-60
PBBG0612014	1/4"	0-120
PBBG0620014	1/4"	0-200
PBBG0625014	1/4"	0-250
PBBG0640014	1/4"	0-400
PBBG0660014	1/4"	0-600

### 100mm Diameter

0021	Thread	Pressure Range Bar
VBBG100112	1/2"	-1-0
PBBG100112	1/2"	0-1
PBBG100212	1/2"	0-2
PBBG100312	1/2"	0-2.5
PBBG100412	1/2"	0-4
PBBG100612	1/2"	0-6
PBBG101012	1/2"	0-10
PBBG101212	1/2"	0-12
PBBG101612	1/2"	0-16
PBBG102012	1/2"	0-20
PBBG102512	1/2"	0-25
PBBG104012	1/2"	0-40
PBBG106012	1/2"	0-60
PBBG107012	1/2"	0-70
PBBG114012	1/2"	0-140
PBBG120012	1/2"	0-200
PBBG1025012	1/2"	0-250
PBBG128012	1/2"	0-to 280
PBBG1040012	1/2"	0-400
PBBG170012	1/2"	0-700





## Applications:

- Hydraulics
- Construction
- Agriculture
- Mining
- OEM machine building
- Offshore
- Marine
- High pressure water applications
- Service kits



# Hydraulic Pressure Gauges

This quality range of hydraulic glycerine-filled pressure gauges have been manufactured to the highest specification using quality materials.

The range includes stainless steel cased to complete stainless steel units with 40mm, 63mm and 100mm dials. Pressures range from 0-1 bar to 0-600 bar, with rear and bottom connections of 1/4" and 1/2" in BSPP and BSPT.

Hy-fitt gauges are tried, tested and used extensively throughout the world's manufacturing facilities and in the mobile plant industry.

**For your peace of mind all gauges can be supplied with a calibration certificate at a nominal charge.**



## Stainless Steel Case, Bottom Connection



### 1/4" BSPT

0021	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
G63-001BG	63	0-15	0-1
G63-002BG	63	0-30	0-2
G63-004BG	63	0-60	0-4
G63-006BG	63	0-100	0-6
G63-012BG	63	0-200	0-12
G63-020BG	63	0-300	0-20
G63-025BG	63	0-400	0-25
G63-040BG	63	0-600	0-40
G63-060BG	63	0-1000	0-60
G63-120BG	63	0-2000	0-120
G63-200BG	63	0-3000	0-200
G63-250BG	63	0-4000	0-250
G63-400BG	63	0-6000	0-400
G63-600BG	63	0-9000	0-600
VG63-01BG	63	-30" Hg	-1 bar

Tech Sheet 20593



### 1/4" BSPP

0021	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
PG63-001BG	63	0-15	0-1
PG63-002BG	63	0-30	0-2
PG63-004BG	63	0-60	0-4
PG63-006BG	63	0-100	0-6
PG63-012BG	63	0-200	0-12
PG63-020BG	63	0-300	0-20
PG63-025BG	63	0-400	0-25
PG63-040BG	63	0-600	0-40
PG63-060BG	63	0-1000	0-60
PG63-120BG	63	0-2000	0-120
PG63-200BG	63	0-3000	0-200
PG63-250BG	63	0-4000	0-250
PG63-400BG	63	0-6000	0-400
PG63-600BG	63	0-9000	0-600

Tech Sheet 20594

## Stainless Steel Case, Centre Back Connection



### 1/4" BSPT

0021	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
G63-001RG	63	0-15	0-1
G63-002RG	63	0-30	0-2
G63-004RG	63	0-60	0-4
G63-006RG	63	0-100	0-6
G63-012RG	63	0-200	0-12
G63-020RG	63	0-300	0-20
G63-025RG	63	0-400	0-25
G63-040RG	63	0-600	0-40
G63-060RG	63	0-1000	0-60
G63-120RG	63	0-2000	0-120
G63-200RG	63	0-3000	0-200
G63-250RG	63	0-4000	0-250
G63-400RG	63	0-6000	0-400
G63-600RG	63	0-9000	0-600
VG63-01RG	63	-30" Hg	-1 bar

Tech Sheet 20595

- For panel mounting bracket use G63-PM



### 1/4" BSPP

0021	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
PG63-001RG	63	0-15	0-1
PG63-002RG	63	0-30	0-2
PG63-004RG	63	0-60	0-4
PG63-006RG	63	0-100	0-6
PG63-012RG	63	0-200	0-12
PG63-020RG	63	0-300	0-20
PG63-025RG	63	0-400	0-25
PG63-040RG	63	0-600	0-40
PG63-060RG	63	0-1000	0-60
PG63-120RG	63	0-2000	0-120
PG63-200RG	63	0-3000	0-200
PG63-250RG	63	0-4000	0-250
PG63-400RG	63	0-6000	0-400
PG63-600RG	63	0-9000	0-600

Tech Sheet 20596

## Panel Mounting Bracket



For PG63 Rear Gauge only

0021  
G63-PM

## Gauge Snubbers

Working Pressure:  
20 to 300 bar



### High Pressure

0021	Male Thread	Female Thread
130.4	1/4"	1/4"
130.3	3/8"	3/8"
130.2	1/2"	1/2"

Tech Sheet 28

Gauge snubbers are a great way of protecting gauges from damage, with sudden impact pressure i.e. when full line pressure is introduced to the gauge damage can occur. With the use of the snubber the gauge will be protected.

Working Pressure:  
0 to 20 bar

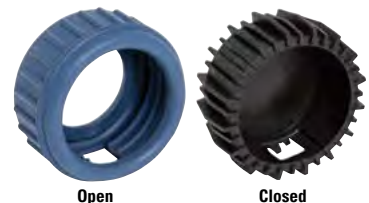


### Low Pressure

0021	Male Thread	Female Thread
131.8	1/8"	1/8"
131.4	1/4"	1/4"
131.3	3/8"	3/8"
131.2	1/2"	1/2"

Tech Sheet 28

## Back Rubber Gauge Protectors



0021	Description
G63-OB	Open
G63-CB	Closed



### All Stainless Steel Gauges, 1/4" Bottom Connection

#### 1/4" BSPP

0021	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
SSG63-001BG	63	0-15	0-1
SSG63-004BG	63	0-60	0-4
SSG63-012BG	63	0-200	0-12
SSG63-025BG	63	0-400	0-25
SSG63-060BG	63	0-1000	0-60
SSG63-200BG	63	0-3000	0-200
SSG63-250BG	63	0-4000	0-250
SSG63-400BG	63	0-6000	0-400
Tech Sheet 20598			



### All Stainless Steel Gauges, 1/4" Centre Back Connection

#### 1/4" BSPP

0021	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
2020-0340	50	0-200	0-12
2020-0341	50	0-300	0-20
2020-0342	50	0-600	0-40
2020-0343	50	0-900	0-60
2020-0344	50	0-4000	0-250
2038-8534	63	0-200	0-12
2038-8567	63	0-900	0-60
2038-8575	63	0-4000	0-250
Tech Sheet 20600			



### All Stainless Steel Gauges, 1/2" Bottom Connection

#### 1/2" BSPP

0021	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
SHG100-002BG	100	0-30	0-2
SHG100-006BG	100	0-100	0-6
SHG100-016BG	100	0-250	0-16
SHG100-040BG	100	0-600	0-40
SHG100-100BG	100	0-1500	0-100
SHG100-250BG	100	0-4000	0-250
SHG100-600BG	100	0-9000	0-600
Tech Sheet 20599			



### All Stainless Steel Gauges, 1/2" Centre Back Connection

#### 1/2" BSPP

0021	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
2038-8435	100	0-200	0-12
2038-8443	100	0-300	0-20
2038-8450	100	0-600	0-40
2038-8476	100	0-4000	0-250
Tech Sheet 20601			



### Stainless Steel Case, Heavy-duty, Bottom Connection

#### 1/2" BSPP

0021	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
HG100-002G	100	0-36	0-2.5
HG100-004G	100	0-58	0-4
HG100-006G	100	0-87	0-6
HG100-010G	100	0-145	0-10
HG100-016G	100	0-232	0-16
HG100-040G	100	0-580	0-40
HG100-100G	100	0-1450	0-100
HG100-160G	100	0-2320	0-160
HG100-250G	100	0-3625	0-250
HG100-400G	100	0-5800	0-400



#### 1/2" BSPT

0021	Gauge Diameter mm	Pressure Range PSI	Pressure Range Bar
HG100-002B	100	0-36	0-2.5
HG100-004B	100	0-58	0-4
HG100-006B	100	0-87	0-6
HG100-010B	100	0-145	0-10
HG100-016B	100	0-232	0-16
HG100-040B	100	0-580	0-40
HG100-100B	100	0-1450	0-100
HG100-160B	100	0-2320	0-160
HG100-250B	100	0-3625	0-250
HG100-400B	100	0-5800	0-400
Tech Sheet 20597			



# TEMPERATURE GAUGES

stainless steel



## Bi-metallic Thermometers

Stainless steel case and stainless steel stem, 100mm insertion.

**Applications:**

- Machine and plant engineering, piping, industrial heating
- BSPP Male



**Stainless Steel Case, Back Entry, BSPP**

0021	Thread	Gauge Diameter mm	Temperature Range °C
2052-8774	1/4"	63	0-60
2052-8782	1/4"	63	0-120
2052-8790	1/4"	63	0-200
2052-8808	1/4"	63	0-300
2052-8816	1/2"	100	0-60
2052-8824	1/2"	100	0-120
2052-8840	1/2"	100	0-200

Stainless steel case and stainless steel stem, 100mm insertion.

**Applications:**

- Machine and plant engineering, piping, industrial heating
- BSPP Male



**Stainless Steel Case, Bottom Entry, BSPP**

0021	Thread	Gauge Diameter mm	Temperature Range °C
2052-8865	1/4"	63	0-60
2052-8873	1/4"	63	0-120
2052-8881	1/4"	63	0-200
2052-8907	1/2"	100	0-60
2052-8915	1/2"	100	0-120
2052-8923	1/2"	100	0-200

# TEMPERATURE GAUGES



## Bi-metallic Thermometers, Centre Back Connection

**Pressure Rating of Thermowell:**  
25 bar max



**63mm & 100mm Diameter, Stainless Steel Case, 1/2" BSPP**

0056	Temperature Range °C
WTG63160-60	0-60
WTG63160-120	0-120
WTG160-60	0-60
WTG160-120	0-120

Tech Sheet 10527

## Bi-metallic Thermometers

Other temperatures are available. Please call our Technical Department for details.

**Pressure Rating of Thermowell:**  
25 bar max



**100mm Diameter, Stainless Steel Case, 1/2" BSPP**

0056	Temperature Range °C
WTG100-TE-60	0-60
WTG100-TE-120	0-120
WTG100-TE-200	0-200

Tech Sheet 10527

# DRY GAUGES

stainless steel



## All Stainless Steel Dry Gauges, Bottom Connection

**63mm Diameter, 1/4" BSPP**

0021	Pressure Range PSI	Pressure Range Bar
SSG63-001B	0-15	0-1
SSG63-004B	0-60	0-4
SSPGB060614	0-87	0-6
SSPGB061014	0-145	0-10
SSG63-012B	0-200	0-12
SSG63-025B	0-400	0-25
SSG63-060B	0-1000	0-60
SSG63-200B	0-3000	0-200
SSG63-400B	0-6000	0-400

Tech Sheet 20589



## All Stainless Steel Dry Gauges, Centre Back Connection

**63mm Diameter, 1/4" BSPP**

0021	Pressure Range PSI	Pressure Range Bar
2038-8484	0-200	0-12
2038-8492	0-300	0-20
2038-8526	0-4000	0-250

Tech Sheet 20591



## Heavy-duty, Bottom Connection

## Accuracy:

63mm diameter: +/- 1.6%

100mm diameter: +/- 1.0%



## 63mm &amp; 100mm Diameter, BSPP

0056	Thread	Gauge Diameter mm	Max Pressure Bar	Max Pressure PSI
WG63-14B-1G	1/4"	63	1	15
WG63-14B-1.6G	1/4"	63	1.6	25
WG63-14B-2.5G	1/4"	63	2.5	40
WG63-14B-4G	1/4"	63	4	60
WG63-14B-6G	1/4"	63	6	90
WG63-14B-10G	1/4"	63	10	160
WG63-14B-16G	1/4"	63	16	230
WG63-14B-25G	1/4"	63	25	400
WG63-14B-40G	1/4"	63	40	600
WG63-14B-60G	1/4"	63	60	900
WG63-14B-100G	1/4"	63	100	1600
WG63-14B-160G	1/4"	63	160	2300
WG63-14B-250G	1/4"	63	250	4000
WG63-14B-400G	1/4"	63	400	6000
WG63-14B-600G	1/4"	63	600	9000
WG100-38B-2.5G	3/8"	100	2.5	40
WG100-38B-4G	3/8"	100	4	60
WG100-38B-6G	3/8"	100	6	90
WG100-38B-10G	3/8"	100	10	160
WG100-38B-16G	3/8"	100	16	230
WG100-38B-40G	3/8"	100	40	600
WG100-12B-100G	1/2"	100	100	1600
WG100-12B-160G	1/2"	100	160	2300
WG100-12B-250G	1/2"	100	250	4000
WG100-12B-400G	1/2"	100	400	6000
WG100-12B-600G	1/2"	100	600	9000

Tech Sheet 10525

## Heavy-duty, Centre Back Connection



## 63mm &amp; 100mm Diameter, BSPP

0056	Thread	Gauge Diameter mm	Max Pressure Bar	Max Pressure PSI
WG63-14R-1G	1/4"	63	1	15
WG63-14R-1.6G	1/4"	63	1.6	25
WG63-14R-2.5G	1/4"	63	2.5	40
WG63-14R-4G	1/4"	63	4	60
WG63-14R-6G	1/4"	63	6	90
WG63-14R-10G	1/4"	63	10	160
WG63-14R-16G	1/4"	63	16	230
WG63-14R-25G	1/4"	63	25	400
WG63-14R-40G	1/4"	63	40	600
WG63-14R-60G	1/4"	63	60	900
WG63-14R-100G	1/4"	63	100	1600
WG63-14R-160G	1/4"	63	160	2300
WG63-14R-250G	1/4"	63	250	3600
WG63-14R-400G	1/4"	63	400	6000
WG63-14R-600G	1/4"	63	600	9000
WG100-38R-2.5G	3/8"	100	2.5	40
WG100-38R-4G	3/8"	100	4	60
WG100-38R-6G	3/8"	100	6	90
WG100-38R-10G	3/8"	100	10	160
WG100-38R-16G	3/8"	100	16	230
WG100-38R-40G	3/8"	100	40	600
WG100-12R-100G	1/2"	100	100	1600
WG100-12R-160G	1/2"	100	160	2300
WG100-12R-250G	1/2"	100	250	4000
WG100-12R-400G	1/2"	100	400	6000
WG100-12R-600G	1/2"	100	600	9000

Tech Sheet 10525

## Vacuum Gauges, Bottom Connection

## Accuracy:

63mm diameter: +/- 1.6%



## 63mm Diameter, 1/4" BSPP

0056	Max Pressure Hg	Max Pressure Bar
WG63-14B/-30HG	-30	-1

Tech Sheet 10525

## Vacuum Gauges, Centre Back Connection



## 63mm Diameter, 1/4" BSPP

0056	Max Pressure Hg	Max Pressure Bar
WG63-14R/-30HG	-30	-1

Tech Sheet 10525

# DRY GAUGES

## ABS Case, Centre Back Connection

Accuracy:  
40mm and 50mm diameter: +/- 2.5%



### 40mm & 50mm Diameter, 1/8" BSPT

0056	Gauge Diameter mm	Max Pressure PSI	Max Pressure Bar
WG40-18R-1	40	15	1
WG40-18R-2.5	40	40	2.5
WG40-18R-4	40	60	4
WG40-18R-6	40	90	6
WG40-18R-10	40	160	10
WG40-18R-16	40	230	16
WG40-18R-25	40	400	25
WG50-18R-1	50	15	1
WG50-18R-2.5	50	40	2.5
WG50-18R-4	50	60	4
WG50-18R-6	50	90	6
WG50-18R-10	50	160	10
WG50-18R-16	50	230	16
WG50-18R-25	50	400	25

Tech Sheet 10524

## Flush Panel Mount, Centre Back Connection



### 63mm Diameter, 1/4" BSPP

0056	Max Pressure Bar
WG63-14FPM-1BAR	1
WG63-14FPM-2BAR	2
WG63-14FPM-4BAR	4
WG63-14FPM-7BAR	7
WG63-14FPM-11BAR	11
WG63-14FPM-14BAR	14
WG63-14FPM-20BAR	20
WG63-14FPM-28BAR	28
WG63-14FPM-40BAR	40

## Panel Mount Gauge Bracket



### Bracket

0056	To Suit
WGB-63	63mm Rear
WGB-100	100mm Rear

## ABS Case, Bottom Connection

Accuracy:  
40mm and 50mm diameter: +/- 2.5%  
63mm diameter: +/- 1.6%



### 40mm, 50mm & 63mm Diameter, BSPP

0056	Thread	Gauge Diameter mm	Max Pressure Bar
WG40-18B-1BAR	1/8"	40	1
WG40-18B-2BAR	1/8"	40	2
WG40-18B-14BAR	1/8"	40	14
WG50-18B-4BAR	1/8"	50	4
WG50-18B-7BAR	1/8"	50	7
WG50-18B-11BAR	1/8"	50	11
WG50-18B-14BAR	1/8"	50	14
WG50-18B-20BAR	1/8"	50	20
WG50-18B-40BAR	1/8"	50	40
WG50-18B-70BAR	1/8"	50	70
WG50-18B-200BAR	1/8"	50	200
WG63-14B-1BAR	1/4"	63	1
WG63-14B-2BAR	1/4"	63	2
WG63-14B-4BAR	1/4"	63	4
WG63-14B-7BAR	1/4"	63	7
WG63-14B-11BAR	1/4"	63	11
WG63-14B-14BAR	1/4"	63	14
WG63-14B-20BAR	1/4"	63	20
WG63-14B-28BAR	1/4"	63	28
WG63-14B-40BAR	1/4"	63	40
WG63-14B-70BAR	1/4"	63	70
WG63-14B-140BAR	1/4"	63	140
WG63-14B-400BAR	1/4"	63	400

Tech Sheet 10523

Accuracy:  
100mm diameter: +/- 1.0%



### 100mm Diameter, 3/8" BSPP

0056	Max Pressure Bar
WG100-38B-1BAR	1
WG100-38B-2BAR	2
WG100-38B-4BAR	4
WG100-38B-7BAR	7
WG100-38B-11BAR	11
WG100-38B-14BAR	14
WG100-38B-20BAR	20
WG100-38B-28BAR	28
WG100-38B-40BAR	40

Tech Sheet 10523

## Bi-metallic Thermometers, Centre Back Connection

 Pressure Rating of Thermowell:  
6 bar max

63mm & 100mm Diameter,  
Aluminium Case, 1/2" BSPP



0056	Gauge Diameter mm	Temperature Range °C
WTG63-60	63	0-60
WTG63-120	63	0-120
WTG63-200	63	0-200
WTG100-60	100	0-60
WTG100-120	100	0-120
WTG100-200	100	0-200
Tech Sheet 10526		

## Refrigeration Gauges, Plastic Case, Bottom Connection



63mm Diameter, 7/16" UNF, 1/4" Flare

0056	Temperature Range °C
WG63-716B-1/9	-1/+9

All pressure gauges can be supplied with a calibration certificate at a nominal charge.  
Please call our Business Development Team for price and delivery.

## HVAC GAUGES & GAUGE ACCESSORIES

### Gauges HVAC



#### 100mm HVAC Pressure Gauge

1480	Connection	Outer Range	Inner Range
B401A340L	Bottom	0-1 bar	0-15 PSI
B401A342L	Bottom	0-2 bar	0-30 PSI
B401A344L	Bottom	0-4 bar	0-60 PSI
B401A346L	Bottom	0-7 bar	0-100 PSI
B401A348L	Bottom	0-11 bar	0-160 PSI
B401A352L	Bottom	0-20 bar	0-300 PSI
B401A354L	Bottom	0-28 bar	0-400 PSI



#### 63mm HVAC Temperature Gauge

1480	Connection	Mounting	Range
S202G151Z	Back	Spring Mounted	0-120°



#### 100mm HVAC Temperature Gauge

1480	Connection	Stem Length	Range
T401A215A	Bottom	5cm	-30 to +60°
T401A251A	Bottom	5cm	0 to +120°
T401A251C	Bottom	10cm	0 to +120°
T401F215A	Back	5cm	-30 to +60°
T401F215C	Back	10cm	-30 to +60°
T401F251A	Back	5cm	0 to +120°
T401F251C	Back	10cm	0 to +120°

### Gauge Swivels & Adaptors

#### Direct Gauge Adaptors

1480	Thread	WP Bar
BTP-927-04	1/4" BSPP	630



#### Hose Gauge / Adaptors

1480	Thread	WP Bar
BTP-928-04	1/4" BSPP	630
BTP-928-08	1/2" BSPP	630



### Gauge Accessories



#### Mild Steel Syphons

1480	Size	Type
ACC01582	3/8" BSP	U
ACC01583	1/2" BSP	U
ACC02082	3/8" BSP	Ring
ACC02083	1/2" BSP	Ring



#### Brass Gauge Cocks

1480	Size	Type
ACC00005	1/4" BSPP	F/F
ACC00006	3/8" BSPP	F/F
ACC00007	1/2" BSPP	F/F
ACC00022	3/8" BSPP	M/F



# High Precision Pressure Pumps and Digital Pressure Gauges

**SIKA®**



**Robust and compact design**

**High pressure generation  
with minimum effort**

**Testing, adjustment and calibration  
of all types of pressure gauges,  
transducers and pressure switches**

## Ready for use at any time

The compact SIKKA pressure calibrators, a combination of a handy pressure pump with mbar accurate fine adjustment and a highly accurate digital reference pressure gauge, enable reliable on-site testing of sensors and indicators. With our many years of experience, we offer you a complete range of pressure calibrators for a wide variety of applications. This way you will find the right equipment for almost every testing task.

**Well-equipped for mobile use - with SIKKA pressure calibrators "Made in Germany"**



## Digital Pressure Gauges

- Battery powered digital pressure gauge
- Robust and compact design with rubber boot
- IP67 ingress protection/80mm diameter
- 1/4" BSPP male connection with built-in seal
- Integral swivel
- Easy selection between units: bar, mbar, kPa, MPa, psi, kg/cm<sup>2</sup>, mH<sub>2</sub>O, inH<sub>2</sub>O
- Temporary backlight

**Media Temperature:**  
-20°C to +80°C

### D2, 1/4" BSPP, 0.1% Accuracy, Full Scale

0675	Gauge Diameter mm	Pressure Range Bar
EME8REF-D2-0003	80	-1-3
EME8REF-D2-0010	80	-1-10
EME8REF-D2-0020	80	-1-20
EME8REF-D2-0040	80	-1-40
EME8REF-D2-0060	80	-1-60
EME8REF-D2-0100	80	0-100
EME8REF-D2-0250	80	0-250
EME8REF-D2-0400	80	0-400
EME8REF-D2-0700	80	0-700
Tech Sheet 68744		

### E2, 1/4" BSPP, 0.5% Accuracy, Full Scale

0675	Gauge Diameter mm	Pressure Range Bar
EME8REF-E2-0003	80	-1-3
EME8REF-E2-0010	80	-1-10
EME8REF-E2-0020	80	-1-20
EME8REF-E2-0040	80	-1-40
EME8REF-E2-0060	80	-1-60
EME8REF-E2-0100	80	0-100
EME8REF-E2-0250	80	0-250
EME8REF-E2-0400	80	0-400
EME8REF-E2-0700	80	0-700
Tech Sheet 68744		

### C2, 1/4" BSPP, 0.05% Accuracy, Full Scale

0675	Gauge Diameter mm	Pressure Range Bar
EME8REF-C2-0020	80	-1-10
EME8REF-C2-0040	80	-1-20
EME8REF-C2-0060	80	-1-40
EME8REF-C2-0100	80	-1-60
EME8REF-C2-0160	80	0-100
EME8REF-C2-0250	80	0-250
EME8REF-C2-0400	80	0-400
EME8REF-C2-0700	80	0-700
Tech Sheet 68744		



# SECTION 12

## Fuelling & Lubrication



- Fuelling Trigger Nozzles
- Fuel Dispensing Kits
- Redashe Oil Guns
- Fuelling Adblue
- IBC Pump Kit
- Fuel Hoses
- Fuel Meters
- Fuel Filtration
- FAG Filters
- GROZ Filters
- Barrel Pumps
- Rotary Pumps
- Manual Transfer Pumps
- Electrical Transfer Pumps
- Air Operated Pumps
- Hose Reels for Fuel
- Fuel Transfer Meter & Pump
- Funnels & Measures
- Tank Gauges
- Femco Quick Drain Oil Plugs
- Grease Nipples & Accessories
- Lubrication Fittings
- High Pressure Hose
- Grease Guns
- Grease Pumps

Ad Blue Hose	655	Grease Dispensers	689-691
Ad Blue Nozzles	651-652	Grease Guns	688-691
Ad Blue Transfer Pumps	668	Grease Guns, Battery Powered	688
Auto Shut Off Nozzles	651-652	Grease Guns, Side Lever	689-691
Barrel Pumps	664	Grease Hoses	686
Drain Pans	673	Grease Nipples	681-682
Drum Taps, Brass	655	Groz Fuel Filters	662
Drum Taps, Lockable	663	Hose Reel, Diesel Dispensing	669-670
Drum Taps, Polyethylene	655	Hose Reel, Oil Dispensing	669-670
Drum Taps, Self Closing	663	IBC Pump Kit, Ad Blue	655
Drum Wrenches	655	Lube Compression Fittings	683-684
Electric Transfer Pumps	667-668	Lube Push-in Fittings	685
FAG Elements	661	Manual Diaphragm Pump	664
FAG Filters	659-661	Manual Nozzles	651-652
Femco Quick Oil Drain Plugs	677-680	Manual Pressure Test Pump	686
Foot Valves	675	Manual Transfer Pumps	666
Fuel & Water Transfer Pumps	670	Measures	672-674
Fuel Dispensing Kits, Gravity	653	Mobile Oil Dispenser	669
Fuel Filters	658	Oil Delivery Systems	671
Fuel Heater	661	Oil Guns	652
Fuel Jointing Compound	656	Oil Guns, Redashe	654
Fuel Lockout Valve	656	Pressure Hoses	686
Fuel Meters	657	Quick Oil Drain Plugs	677-680
Fuel Transfer Pumps	670	Redashe Fuel Transfer Pumps	670
Fuel Trigger Nozzle Ranges	651-655	Redashe Lube & Pumping	689-691
Fuel Trigger Nozzle with In-line Flow Meter	654	Rotary Pumps	665
Funnels	672-674	Rubber Alloy Fuel Dispensing Hoses	653
Gauge Oil Level	676	Strainers	675
Gauge Tank	676	Suction/Extraction Units	666
Goodyear Hoses	656	Swivel Hose Fittings	656
Grease Compression Fittings	683-684	Syphon Pumps	664



# FUELLING EQUIPMENT & ACCESSORIES

## Trigger Nozzles

Manual trigger nozzle for use with diesel/gasoil. Suitable for use with gravity or electric pumps up to 80 L/min. Not automatic shut off.

**Body:** Aluminium  
**Seals:** Nitrile



**Maximum Working Pressure:**  
4 bar

### BSPP

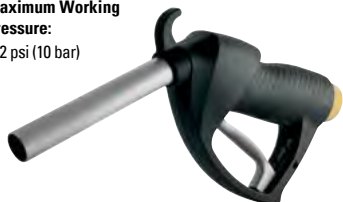
0225	Thread
2019-9295	1"

Suitable for use with diesel, biodiesel up to B100 and oils to SAE 90. Aluminium body enclosed in a plastic shell making it comfortable even when used at low temperatures. 1" BSPF swivel inlet.

Can be used with gravity feed tanks or electric pumps. Integral hook for tidy storage when not in use.

**Maximum Flow:** 150 L/min.

**Maximum Working Pressure:**  
142 psi (10 bar)



### Manual

0225	LPM
NOZ.S3000	150

## Polypropylene Manual Nozzle

Polyethylene body. 3/4" hose tail. Can be used with gravity feed tanks or electric pumps. Integral hook for tidy storage when not in use.

### NOZ.C

Nitrile seals, mild steel spring.

### NOZ.C.AB

Viton seals, 302 stainless steel spring.

**Max. Flow:** 60 L/min.

**Maximum Working Pressure:**  
29 psi (2 bar)



0225	Seal
NOZ.C	Nitrile

## Automatic Trigger Nozzles

Only suitable with diesel or biodiesel up to B30. Automatically shuts-off the flow of fuel when vehicle tank is full.

3 position stay open latch. 20-80 L/min, max. pressure 50 psi (3.5 bar).

### For use with electric pumps only.

Not suitable for vehicles with small filler necks.

**Body:** Aluminium

**Maximum Working Pressure:**  
50 psi (3.5 bar)



### BSPP

0225	Thread	LPM
2019-9311	3/4"	80
2019-9303	1"	80



### Economy, BSPP

0225	Thread	LPM	Colour
NOZA.60S	1"	60	Red
NOZA.120S	1"	120	Blue

## Professional Automatic Nozzle for Diesel

Only suitable with diesel or biodiesel up to B30. Automatically shuts-off the flow of fuel when vehicle tank is full.

3 position stay open latch, which may be disabled if required. 1" BSPF swivel inlet.

### For use with electric pumps only.

Not approved for use on resale dispensers.

**Max. Flow:** Standard 10-80 L/min

High Speed 80-140 L/min

**Maximum Working Pressure:**  
NOZA.X - 0.4-5 bar  
NOZA.X25 - 0.4-3 bar



0225	Description	LPM
NOZA.X	Standard	80
NOZA.X25	Hi speed	140

## Stainless Steel Automatic Nozzle

Suitable for use with diesel or Adblue®. Automatically shuts-off the flow of fuel when vehicle tank is full.

3 position stay open latch. 304 stainless steel body, viton seals. Flow rate up to 45 L/min.

### For use with electric pumps only.

**Inlet:** 3/4" (20mm) Hose barb.

**Maximum Flow:** 60 L/min.

**Maximum Working Pressure:**  
50 psi (3.5 bar)

**Working Temperature:**  
-10°C to +50°C



0255	Seal
NOZA.SS	Viton
Tech Sheet 20033	

## Nozzle Holder



0225	
HANG.P	

## Universal Reducing Bush



0225	Thread A	Thread B
BSH.4.3A	1"	3/4"



You might also need **Spill Kits** see **Industrial Section 13**



## Automatic Trigger Nozzles



BSPP

0122	Thread
ZFN34	3/4"

Auto Shut Off Nozzle  
Petrol & Diesel

0122	Thread
J1789022-1	3/4"

High Volume Auto Nozzle  
Petrol & Diesel

0122	Thread
J18312002-1	3/4"

Aluminium Delivery Nozzle  
Diesel

0122	Thread
J1789021	3/4"

High Volume Auto Nozzle  
Petrol & Diesel

0122	Thread
J1789023-1	1"

## Abblue® Nozzles



## Manual Control Nozzle

0122
ZABN34



## Oil Guns



## Digital Hose End Oil Meter, BSPP

0122	Thread
OIL-M10C	1/2"



## Digital Preset Oil Gun

0122
J18133502

## Stainless Steel Automatic Nozzle

0122
ZFCNASS34



## Lever Action Barrel Pump

0122
ZPLP02

# FUEL DISPENSING HOSE AND GRAVITY HOSE KITS

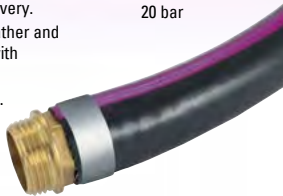


## Rubber Alloy Dispensing Hoses

Oil resistant rubber alloy, suitable for use with diesel, air and water delivery. Cover: black, weather and ozone resistant with purple strip. Safety Factor: 3-1.



**Maximum Working Pressure:**  
20 bar



### 3/4" BSPP Male/Male x 3/4" ID Replacement Hose

0225	Length Metres
RTDH-34-3	3
RTDH-34-4	4
RTDH-34-5	5
RTDH-34-6	6

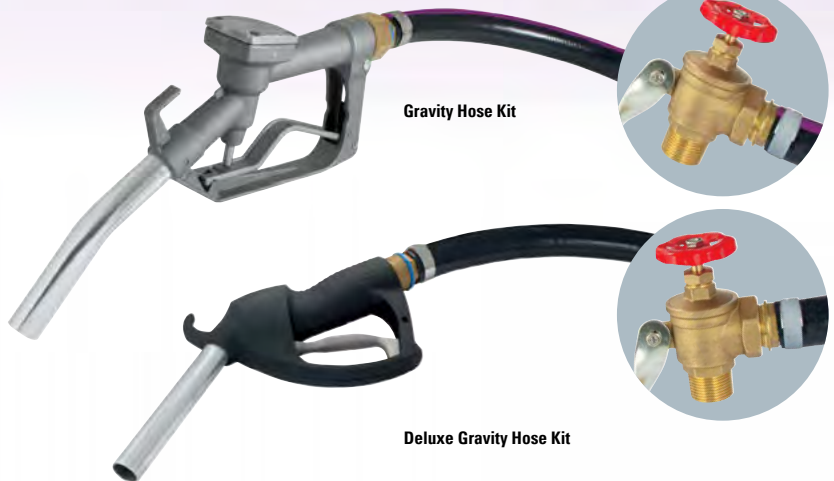
### 1" BSPP Male/Male x 1" ID Replacement Hose

0225	Length Metres
RTDH-1-3	3
RTDH-1-4	4
RTDH-1-5	5
RTDH-1-6	6
RTDH-1-8	8
RTDH-1-10	10
RTDH-1-12	12

### 1" BSPP Male/Male x 1" ID Super Flexible Deluxe Replacement Hose

0225	Length Metres
DRTDH-1-3	3
DRTDH-1-4	4
DRTDH-1-5	5
DRTDH-1-6	6
DRTDH-1-8	8
DRTDH-1-10	10
DRTDH-1-12	12

## Gravity Hose Kits



Gravity Hose Kit

Deluxe Gravity Hose Kit



**Hose Info**  
**Maximum Working Pressure:**  
20 bar

Oil resistant rubber alloy, suitable for use with diesel, air and water delivery. Cover: black, weather and ozone resistant with purple strip. Safety Factor: 3-1



**Nozzle Info.**  
**Maximum Working Pressure:**  
142 psi (10 bar)

**Maximum Flow:**  
150 L/min  
Manual trigger, suitable for use with diesel, biodiesel up to B100 and oils to SAE 90.



**Working Temperature:**  
-20°C to +60°C



**Maximum Working Pressure:**  
58 psi (4 bar)

**Maximum Flow:**  
80 L/min  
Manual trigger, suitable for use with diesel.

### 1" BSPP Male/Male x 1" ID Deluxe Gravity Hose Kits

0225	Length Metres
DASS-RTDH-1-3	3
DASS-RTDH-1-4	4
DASS-RTDH-1-5	5
DASS-RTDH-1-6	6
DASS-RTDH-1-8	8
DASS-RTDH-1-10	10
DASS-RTDH-1-12	12
DASS-RTDH-1-15	15

### 1" BSPP Male/Male x 1" ID Gravity Hose Kits

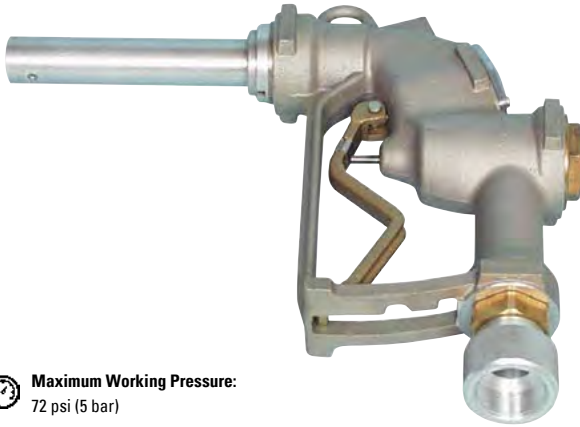
0225	Length Metres
ASS-RTDH-1-3	3
ASS-RTDH-1-4	4
ASS-RTDH-1-5	5
ASS-RTDH-1-6	6
ASS-RTDH-1-8	8
ASS-RTDH-1-10	10
ASS-RTDH-1-12	12
ASS-RTDH-1-15	15




## Ultra High Speed Auto Nozzle

- Only suitable with diesel or biodiesel up to B30.
- Automatically shuts-off the flow of fuel when vehicle tank is full
- Ideal for refuelling very large vehicles and heavy plant equipment
- Cast aluminium body
- 3 position stay open latch
- Complete with 1.1/2" BSPP swivel inlet

**Maximum Flow:** 250 L/min.  
**For use with electric pumps only**



 **Maximum Working Pressure:**  
72 psi (5 bar)

### BSPP

0225	Thread	LPM
NOZA.250S	1.1/2"	250

## Trigger Gun with Electronic In-line Flow Meter

Manual trigger nozzle for use with diesel gasoline, B100 biodiesel and oils to SAE 90.

### Flow Meter

#### Technical Data

**Material:** Aluminium

**Seal Material:** Viton and fluorinated silicone rubber



### 1" BSPP Trigger Gun & Flow Meter

0225	Thread	Max Pressure Bar	LPM
CD-0G01	1"	20	10-60

Tech Sheet 60124

## Oil Guns

# Redashe

Semi-automatic Tip



### Digital Oil Gun with Rigid & Flexible Hose, BSPP

0122	Thread
JDA-01	1/2"

Tech Sheet 2054

Semi-automatic Tip



### Manual Oil Gun with Flexible Hose, BSPP

0122	Thread
JA-01	1/2"

Tech Sheet 2055

Manual Tip



### Manual Oil Gun with Rigid Tube, BSPP

0122	Thread
JM-01	1/2"



# FUELLING EQUIPMENT, DRUM & ADBLUE®

## Brass Drum Tap



### BSPP

0225	Thread
2019-9394	3/4"

## Drum Taps - Polyethylene

- Polyethylene drum taps can be used with a wide range of oils, acids and caustics
- Huge 2" version can be used with thick liquids
- BSPP male threads with sealing washer



### BSPP

0225	Thread	Description
DTJ	2"	Full Bore Drum Tap
DT3P	3/4"	Drum Tap

## Drum Wrenches



### Aluminium

0225	DW-ALUMINIUM
------	--------------

## Adblue® Hose

- Suitable with Adblue® and antifreeze
- PVC, polyester braided
- For suction or delivery

### Specification:

BS EN ISO 6224/2001,  
BS EN ISO 5774/2008

- Bore 19mm



- Maximum Working Pressure:**  
7 bar



### 3/4" Adblue® Delivery Hose (Hose only)

0225	Length Metres
ABH.4.3/4	4
ABH.6.3/4	6

## Adblue® Manual Nozzle

- Suitable for use with Adblue®
- Inlet 3/4" hose tail
- Spout diameter (OD) 18.8mm
- Wetted components: (Nylon 6, 30% glass filled), stainless steel, viton
- Can be used with gravity feed or electric pumps
- Integral hook for tidy storage when not in use

**Maximum Flow:** 80 L/min

- Maximum Working Pressure**  
5 bar

- Maximum Working Temperature:**  
+60°C



0225	LPM
NOZ-MAB	80

Tech Sheet 20032

## Lever Hand Pump & Accessories

- Suitable for use with Adblue® and other water-based fluids, antifreeze, windscreen washer fluid, herbicide, pesticides, insecticides and fertilizers.
- Wetted components polyacetal, polypropylene, polyethylene, viton
- Capable of up to 500ml per stroke
- 2" BSPM drum adaptor
- 2 piece suction pipe with one part telescopic (extends to 98cm)
- 2m x 3/4" outlet hose (flexible corrugated PVC hose)
- Temperature range: +5°C (23°F) to +45°C (115°F)
- Option (AD.HPGO) Trisure/Valorex container adaptor



0225	AB.HPPK
------	---------

Tech Sheet 20031

## IBC Pump Kit

- Intermediate bulk container (IBC) side mounted, easy to use pump kit
- Suitable with Adblue®
- Capable of up to 25 L/min
- Manual Adblue® nozzle with stainless steel tip
- 1.5 metre flexible suction hose with CDS connector
- 4 metre outlet hose

MSS.AB

J10302504



0225	Nozzle
MSS.AB	Manual
J10302504	Auto

Tech Sheet 20030



Adblue® is a water-based chemical solution that is required for some commercial vehicles to help reduce pollution and comply to the Euro 4/5 directive.

Adblue® consumption is 5% of diesel, so for every one hundred litres of diesel, 5 litres of Adblue® is used.


**You must not** use a normal fuel pump to dispense Adblue®.



## Swivel Hose Fittings

Greatly eases handling and reduces hose wear and kinking.

All have parallel threads except (SWIV.15A) which has taper male and parallel female.

 **Maximum Working Pressure:**  
87 psi (6 bar)



0225	Female Thread	Male Thread
SWIV.3A	3/4"	3/4"
SWIV.13A	1"	3/4"
SWIV.31A	3/4"	1"
SWIV.1A	1"	1"
SWIV.15A	1.1/2"	1.1/2"

## Jointing Compound

General purpose jointing and thread sealing compound. Recommended for diesel, oil, water and steam.

**NOT** suitable with ethanol.

Fully waterproof and MOD approved.

250ml screw top tins with brush applicator.  
500ml tins without brush applicator.



0225	Millilitres
HELD	250
HELD.500	500

## Fuel Lockout Valve




### BSPP

0225	Thread
FLV-1	1"

## Goodyear Softwall Diesel Hoses

- Only suitable with diesel or biodiesel up to B30.
  - Ideal for use on economy fuel dispensers.
  - Machine swaged ends for long life.
  - Electrically bonded.
  - 3/4" or 1" BSPT male ends.
- Not steel braided.**  
**Not suitable for use with petrol.**

 **Maximum Working Pressure:**  
50 psi (3.5 bar)




### BSPT

0225	Length Metres	Thread
CH4.19	4	3/4"
CH6.19	6	3/4"
CH4.25	4	1"
CH6.25	6	1"

## Goodyear Steel Braided Hoses

- Suitable with petrol, diesel, biodiesel up to B100 and ethanol.
- Tested and approved to EN1360 (Supersedes BS3395)
- BSP parallel zinc plated "swaged for life" end fittings.
- Smooth wipe clean covering.
- Excellent fuel and weather resistance.
- Steel braiding provides excellent protection against vandalism and the theft of nozzles by cutting through the hoses.
- Can be used with ethanol blended fuels.

 **Maximum Working Pressure:**  
230 psi (15.8 bar)




### BSPP

0225	Length Metres	Thread
PH12.3/4	3.66	3/4"
PH20.3/4	6.1	3/4"
PH12.1	3.66	1"
PH20.1	6.1	1"

## Gravity Dispensing Hose

Gravity dispensing hoses 25mm (1") bore, excellent flexibility to ease handling and strong enough to resist kinking. Supplied with 1" BSPT male end fittings are machine banded on to the hose.

 **Maximum Temperature:**  
-15°C to +60°C

 **Maximum Working Pressure:**  
43.5 psi



### 1" BSPT

0225	Length Metres
GDH-4	4
GDH-5	5
GDH-6	6


Tech Sheet 1173

## Gravity Fuel Kits

- Only suitable with diesel or biodiesel up to B30.
- Provides simple and quick diesel dispensing from gravity tanks.

**Kit includes:** hose, valve, nozzle and PTFE tape.  
25mm bore delivery hose.

 **Working Temperature:**  
-25°C to +45°C

 **Maximum Working Pressure:**  
50 psi (3.5 bar)



### For use with Diesel/Gasoil

0225	Length Metres
2019-9337	3
2019-9360	5

Tech Sheet 1170



# FUELLING EQUIPMENT & ACCESSORIES

## Fuelling Meters

- Only suitable for use with diesel or biodiesel up to B30.
- Robust nutating disc flow meter shows up to 9999 litres.
- 20 - 76L/min. 1" BSPF ports.
- Aluminium housing.
- 4 digit register. 8 digit non resettable totaliser.
- Front face can be rotated in 90° increments.

**Accuracy:** +/-2%  
(with adjustable calibration)  
**Operating Range:** 20 - 76 L/min

**Maximum Working Pressure:**  
50 psi (3.5 bar)



### Flow Meter without Strainer, BSPP

0225	Thread
FM4	1"

### Strainer/Filter for FM4 Flow Meter

0225
KMF

- Only suitable for use with diesel or biodiesel up to B30.
- Robust nutating disc flow meter shows up to 999 litres.
- 19-75 L/min. 1" BSPF ports.
- Accuracy of +/- 2% with adjustable calibration.
- Aluminium housing and cover.
- 3 digit register. 6 digit non resettable totaliser.
- Front face can be rotated in 90° increments.

**Accuracy:** +/-2%  
**Operating Range:** 19-75 L/min

**Maximum Working Pressure:**  
50 psi (3.5 bar)



### Without Strainer, BSP Female

0225	Thread
807CL	1"
Tech Sheet 1168	

### With Strainer, BSPP

0225	Thread
2019-9402	1"
Tech Sheet 1168	

This mechanical fuel meter has a flow rate of 20-120 L/min, with a resettable 4 digit totaliser, and a non-resettable 8 digit totaliser, which registers up to 9,999,999.9 Litres.

**Features:**

- Aluminium metering chamber with polybutylene nutating disk.
- 1" inlet/outlet
- Accuracy +/-1%

**Maximum Working Pressure:**  
3.5 bar



### 8 Digit Non-resettable

0122
J1581400
Tech Sheet 2141

**Features:**

Measures diesel, kerosene and petrol.  
Oval gear design.  
Low pressure drop allows for gravity and pump (in-line) applications.  
Supplied with a wire mesh strainer.



Conditions apply.



### 6 Digit Non-resettable

0122
DM100
Tech Sheet 60368

High-pressure positive displacement meter suitable for in-line and end of line applications. Recommended use with oils that has a viscosity up to 5000 cSt, diesel and bio-diesel

**Working Temperature:**  
-10°C to +65°C

**Maximum Working Pressure:**  
70 bar



### Digital

0122	Thread	LPM	Max Pressure Bar
ZOM20	1/2"	30	70
Tech Sheet 60367			

## Digital In-line Turbine Flow Meters

LCD display shows up to 99999, totaliser 999999. 6 to 120 L/min, 1" BSPF ports. Max pressure: 145 psi (10 bar). Accuracy: +/- 1%. Polypropylene turbine. Designed to fit in line with the delivery hose or pipework. Front can be rotated in 90° increments.



### For Diesel & Water

0225
K24
Tech Sheet 10554



### For Adblue®

0225
K24.AB
Tech Sheet 10555



### Replacement Battery

0225	To Suit
K24.BATTERY	K24 & K24.AB

## Electronic In-line Flow Meters

**Material:** Aluminium  
Seal material viton and fluorinated silicone rubber



### Female Thread, BSPP

0225	Thread	Max Pressure Bar	M³/HR
CD-0G01-1	1"	20	200





## Fuel Bowl Filters

Fully interchangeable with Goldenrod filter elements.  
 Disposable filter elements.  
 Fitted with bottom drain plug.  
 Filter available to remove particle contamination only at 10 micron or particle and water contamination at 15 micron.



### BSPP

0225	Thread	Description
FFILT.KIT	1"	Fuel Filter Kit, Particles
FFILT.KITW	1"	Fuel Filter Kit, Water
FFILT.EL	-	Spare Particle Elements
FFILT.ELW	-	Spare Water Elements

## Fuel Filter Kit

Only suitable with diesel or biodiesel up to B30.  
 Fits on outlet side only. 1" BSPP ports.  
 Cast aluminium head with see through polycarbonate bowl.  
 Gravity flow max. 45 L/min.  
 Pump flow max. 100 L/min.  
 Fitted with bottom plug for draining water.  
 Removes particles and water



### BSPP

0225	Thread	Description
HYD.GK	1"	Head & Element
HYD.ELG	-	Spare Element
HYDRA.HSHD	-	Spare Head

## Portable Filtration & Transfer Unit

The ideal tool for decontaminating oil by removing suspended particles. The filtering unit is composed of a volumetric vane pump that extracts the oil to be purified, sending it through a high-filtering capacity cartridge filter that removes the impurities.

Suitable for use with oils up to SAE90.

230V transfer pump  
 Complete with suction and outlet hose.

**Maximum Flow:**  
 25 L/min



### 10 Micron

0225	Description
WO.DEP	Unit
WO.DEPP	Spare Element

## In-line Fuel Filter Elements



### Paper Filter, 6mm OD

0225
25-200



### Nylon Filter, 9mm OD Barb

0225
25-202



### Nylon Filter, 8mm OD

0225
25-204



### Paper Filter, 9mm OD Barb

0225
25-201



### Nylon Filter, Elbow 8mm OD

0225
25-203



# FAG FILTERS

## Diesel Oil Filters - Series 20100-20150

Maximum Working Pressure: 1 bar



### Aluminium, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20103/AL-100UM	1/4"	100	48
20101/AL-100UM	3/8"	100	48
20103AL4-44UM	1/4"	44	48
20101AL4-44UM	3/8"	44	48
20103CAL-15UM	1/4"	15	228
20101CAL-15UM	3/8"	15	228
20153/AL-100UM	1/4"	100	24
20151/AL-100UM	3/8"	100	24

Maximum Working Pressure: 1 bar



### Plastic Standard Tenite Bowl, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20103/PL-100UM	1/4"	100	48
20101/PL-100UM	3/8"	100	48
20103PL4-44UM	1/4"	44	48
20101PL4-44UM	3/8"	44	48
20103CPL-15UM	1/4"	15	228
20101CPL-15UM	3/8"	15	228
20153/PL-100UM	1/4"	100	24
20151/PL-100UM	3/8"	100	24

Maximum Working Pressure: 1 bar



### Plastic Superior Metocene Bowl, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20103/PE-100UM	1/4"	100	48
20101/PE-100UM	3/8"	100	48
20103CPE-15UM	1/4"	15	228
20101CPE-15UM	3/8"	15	228
20153/PE-100UM	1/4"	100	24
20151/PE-100UM	3/8"	100	24

## Diesel Oil Filters - Series 20200

Maximum Working Pressure: 2 bar



### Aluminium, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20201/AL-100UM	3/8"	100	105
20202/AL-100UM	1/2"	100	105
20201AL4-44UM	3/8"	44	105
20202AL4-44UM	1/2"	44	105
20201CAL-15UM	3/8"	15	235
20202CAL-15UM	1/2"	15	235

Maximum Working Pressure: 1 bar



### Plastic Standard Tenite Bowl, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20201/PL-100UM	3/8"	100	105
20202/PL-100UM	1/2"	100	105
20201PL4-44UM	3/8"	44	105
20202PL4-44UM	1/2"	44	105
20201CPL-15UM	3/8"	15	235
20202CPL-15UM	1/2"	15	235

## Diesel Oil Filters - Series 20210

Maximum Working Pressure: 1 bar



### Plastic Standard Tenite Bowl with Water Drain Valve, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20211/PL-100UM	3/8"	100	105
20212/PL-100UM	1/2"	100	105
20211PL4-44UM	3/8"	44	105
20212PL4-44UM	1/2"	44	105
20211CPL-15UM	3/8"	15	235
20212CPL-15UM	1/2"	15	235

## Diesel Oil Filters with Cock & Check Valve - Series 20250

Maximum Working Pressure: 2 bar



### Aluminium, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20250/AL-100UM	3/8"	100	105
20250ALAL4-44UM	3/8"	44	105
20250CAL-15UM	3/8"	15	235

Maximum Working Pressure: 1 bar



### Plastic Standard Tenite Bowl, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20250/PL-100UM	3/8"	100	105
20250PL4-44UM	3/8"	44	105
20250CPL-15UM	3/8"	15	235

Please note: Oil viton seal filters are available upon request.






## Diesel Oil Filters with Cock - Series 20230

 **Maximum Working Pressure:**  
2 bar



### Aluminium, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20231/AL-100UM	3/8"	100	105
20232/AL-100UM	1/2"	100	105
20231/AL4-44UM	3/8"	44	105
20232/AL4-44UM	1/2"	44	105
20231/CAL-15UM	3/8"	15	235
20232/CAL-15UM	1/2"	15	235

 **Maximum Working Pressure:**  
1 bar



### Plastic Standard Tenite Bowl, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20231/PL-100UM	3/8"	100	105
20231/PL4-44UM	3/8"	44	105
20232/PL4-44UM	1/2"	44	105
20231/CPL-15UM	3/8"	15	235
20232/CPL-15UM	1/2"	15	235

## Fuel Oil Filters - Series 20300-20350

Cover and bowl made out of aluminium.

 **Maximum Working Pressure:**  
2 bar



### Without Heating Element, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20306/10-100UM	1/2"	100	300
20306/20-200UM	1/2"	200	300
20306/30-300UM	1/2"	300	530
20304/10-100UM	3/4"	100	300
20304/20-200UM	3/4"	200	300
20304/30-300UM	3/4"	300	530
20301/10-100UM	1"	100	300
20301/20-200UM	1"	200	300
20301/30-300UM	1"	300	530

Cover and bowl made out of aluminium.

Heating element PTC 20351/03 T150°C - 230 Volts.

 **Maximum Working Pressure:**  
2 bar



### With Heating Element, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20356/10-100UM	1/2"	100	300
20356/20-200UM	1/2"	200	300
20356/30-300UM	1/2"	300	530
20354/10-100UM	3/4"	100	300
20354/30-300UM	3/4"	300	500
20351/10-100UM	1"	100	300
20351/20-200UM	1"	200	300
20351/30-300UM	1"	300	500

## Diesel Oil Filters & Fuel Oil Filters - Series 20220

 **Maximum Working Pressure:**  
2 bar



### With Heating Element, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20221-100UM	3/8"	100	105
20222-100UM	1/2"	100	105

## Fuel Oil Filters - Series 20400-20450

 **Maximum Working Pressure:**  
2 bar



### Without Heating Element

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20401/10-100UM	1"	100	670
20401/20-200UM	1"	200	670
20401/30-300UM	1"	300	1130
20402/10-100UM	1.1/4"	100	670
20402/20-200UM	1.1/4"	200	670
20402/30-300UM	1.1/4"	300	1130
20403/10-100UM	1.1/2"	100	670
20403/20-200UM	1.1/2"	200	670
20403/30-300UM	1.1/2"	300	1130

 **Maximum Working Pressure:**  
2 bar



### With Heating Element

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20451/10-100UM	1"	100	670
20453/10-100UM	1.1/4"	100	670
20453/20-200UM	1.1/4"	200	670
20453/30-300UM	1.1/4"	300	1130
20452/20-200UM	1.1/2"	200	670
20452/30-300UM	1.1/2"	300	1130



# FAG FILTERS

## Oil Filter Spare Cartridges



### To suit Series 20150

0270	Material	Type	Micron Rating
<b>20151/C1-100</b>	Stainless Steel	Smooth	100



### To suit Series 20100

0270	Material	Type	Micron Rating
<b>20101/C1-100</b>	Stainless Steel	Pleated	100
<b>20101/C4-44</b>	Stainless Steel	Pleated	44
<b>20101CC5</b>	Paper	-	15



### To suit Series 20200

0270	Material	Type	Micron Rating
<b>20201/C1-100</b>	Stainless Steel	Pleated	100
<b>20201/C4-44</b>	Stainless Steel	Pleated	44
<b>20201CC5-15</b>	Stainless Steel	Pleated	15



### To suit Series 20300-20350

0270	Material	Micron Rating
<b>20301/C1-100</b>	Stainless Steel	100
<b>20301/C2-200</b>	Stainless Steel	200
<b>20301/C3-300</b>	Galvanized Iron	300



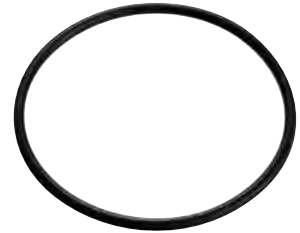
### To suit Series 20400-20450

0270	Material	Micron Rating
<b>20401/C1-100</b>	Stainless Steel	100
<b>20401/C2-200</b>	Stainless Steel	200
<b>20401/C3-300</b>	Galvanized Iron	300

## Electrical Heater



0270	Material	Voltage	Micron Rating
<b>20351/03</b>	100	230V/50Hz	220
<b>20451/01</b>	300	230V/50Hz	200



0270	To Suit
<b>SET20100</b>	Series 20100
<b>SET20200</b>	Series 20200
<b>SET20250</b>	Series 20250
<b>SET20300</b>	Series 20300
<b>SET20400</b>	Series 20400



**Fuel Filters & Elements**

**Fuel Filter**

0225	Micron
ZFFL02B	10


**Water Block Fuel Filter Element**

0225	Micron
ZFEWB	10


**Fuel Filter Spin On Cartridge**

0225	Micron
ZFFS10BSP	10


**Replacement Fuel Filter Element**

0225	Micron
ZFE10	10



# FUELLING & LUBRICATION

## Piston Oil Pump

With 1.5m outlet hose, anti-drip 13mm 90° spout, nozzle storage facility. Designed to fit awkward access filler points. 2" BSPP male thread, pumps on down stroke.



0225	To Suit
J9023SE	20 & 25 Litre Drums

## Gear Oil Bucket Pump

With fully reversible hand rotary pump, clear PVC hose and nozzle. 10.5L approx. Robust steel base with hard powder coat finish as standard. Delivers and retrieves.



0225	Volume Litres
A6000SE	10.5

## Syphon Pump



0225	To Suit
J2653	205 Litre Barrels

## Z Swivel

- 1/4" BSPP Male and female



## BSPP

0225	Thread
M8090	1/4"

## Lockable Drum Taps



## 3/4" BSPP

0225
J4175

- All metal



## Self Closing, 3/4" BSPP

0225
J4177

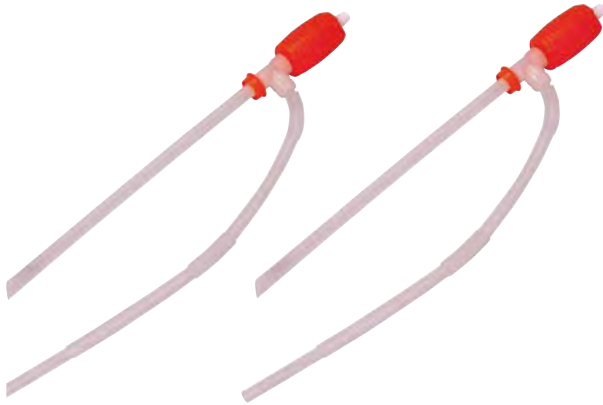


## Manual Syphon Pumps

- Suitable for pumping most liquids: acids, alkalines, antifreeze, de-greaser, distilled water, diesel, biodiesel B100, light oils and solvents.
- Includes delivery hose and suction pipe.

**HPS25** fits 5-25L containers, delivery hose 534mm (21"), suction 380mm (15").

**HPS205** fits 205L container, thread 2" BSPM, delivers 30 L/min, delivery hose 1295mm (51"), suction 850mm (33.1/2").



### Drum Pumps

0225	To Suit
HPS25	5-25 Litre Drum
HPS205	205 Litre Drum

## Battery Operated Syphon Pump

- Unique battery operated pump (2 x D size batteries not supplied).
- Suitable for pumping most liquids: acids, alkalines, antifreeze, de-greaser, distilled water, diesel/gas oil, light oils and solvents.

**Flow Rate:** 8-10 L/min.

**Suction Tube:** 375mm (15").

**Discharge Tube:** 660mm (26").

**Total Length:** 675mm (27").



### Drum Pump

0225	LPM
HPSB	8-10

## Lever Barrel Pumps

- Suitable for diesel, biodiesel up to B30 or oils to SAE 90.
- Metal lever action drum pump.
- Capable of up to 20 L/min. 2" BSPM drum adaptor.
- Telescopic suction pipe.

**Note:** pumping speed 20 L/min



0225  
2019-9386

Tech Sheet 1171

## Urchin Diaphragm Pump

- Suitable for clean or dirty diesel, water and oils to SAE 90
- Pumps dirty and contaminated liquids with up to 10mm solids
- Made from glass filled polypropylene complete with nitrile seals
- Hose tails accept both 1" and 1.1/2" hoses

**Flow Rate:** 47 L/min for 1"  
68 L/min for 1.1/2"



0225  
HPW

Tech Sheet 20034



# ROTARY PUMPS & DIAPHRAGM

## Rotary Barrel Pumps

A robust cast iron rotary barrel pump capable of up to 25 L/min for dispensing fuel or oils. Supplied complete with 1 metre sectioned metal suction pipe and 2" BSP barrel adaptor.



### Cast Iron

0225  
2042-5658

Tech Sheet 1172

Suitable with most chemicals and acid based products. PVC construction with PTFE vanes and Hastelloy springs. PVC construction with PTFE vanes and Hastelloy springs. 3 piece suction pipe. Capable of up to 25 L/min.



### PVC Rotary Hand Pump

0225  
MSSPVC

## Semi Rotary Pumps

Suitable with diesel, light oils and water. Semi rotary double acting. Cast iron body with brass internals. Flanged inline threaded ports.

### Choose from:

- 1/2" K0 version
- 3/4" K1 version
- 1" K2 version
- 1.1/2" K5 version

**Note:** never mount horizontally.



### Semi Rotary Hand Pumps

0121	Size	Thread
SEMI0	0	1/2"
SEMI1	1	3/4"
SEMI2	2	1"
SEMI3	3	1.1/4"

Kit fits into 2" socket, for use on 205 litre drums and tanks up to 1.5m deep.

- 1" semi-rotary hand pump
- Manual nozzle
- Tank/pump connector
- 4m x 3/4" outlet hose



### Semi Rotary Pump Kit

0121	Description
SRG2A.KIT	1" BSP Hand Pump Kit

## Diaphragm



### Wickham No. 3 Diaphragm

0121  
DIAPHRAGMW3





## Gear Oil Pump

- Suitable with high viscosity oils, ideal for filling gear boxes.
- Polypropylene pump, mild steel piston and nitrile seals.
- Dispenses approximately 100ml per stroke.
- Has a 1.5m outlet hose with spout.
- Spout can be drained by locating back into pump body.
- Supplied with two adaptors as standard: One fits most 25L external Plysu threads (60mm dia). The other fits most 25L Trisure/Valorex thread (56mm dia).

**Option:** Universal adaptor, locks onto any external thread that is less than 61mm dia.



0225	Description
HPGO	Pump
ADAPT.UNI.L	Adaptor

## Oil Suction Gun

For getting oil in/out of gearboxes, transfer cases and differentials.

- Suitable for use with non corrosive liquids.
- Capacity 500cc with 300mm PVC hose.
- Deluxe lip seal provides maximum suction.
- Steel barrel in premium powder coated finish.
- Fully serviceable.
- No priming required.



0225	OSG
------	-----

## Liquid Suction/Extraction Units

Novel device that both sucks and stores extracted liquids. Suitable for fuels, water, oils and many other liquids.

**Removes:** Oil from vehicles, lawn mowers, motorbikes, hydraulic reservoirs without draining, simply insert the suction pipes in the dipstick hole. Water from banded fuel tank cabinets, fish tanks, bilges and otherwise inaccessible areas. Fuel spillages from banded tanks/fill point cabinets.

- Can even suck up surface puddles.
- Prime the handle and watch it work.
- Supplied with suction probes to fit most applications.
- Lightweight and portable. 17 litre version has castors.
- When full, remove top plug to pour out the contents.



### Suction/Extraction Units

0225	Capacity Litres
HP.SUC2	2.7
HP.SUC6	6
HP.SUC17	17

Same as 6 litre capacity version (HP.SUC6) but can also empty it's own tank as is bi-directional. Automatically fills (sucks) and empties (discharge).

Prime the handle and watch it work. (May need to prime handle again when discharging).

**Sucks up 6 litres of water in 2.1/2 mins and empties in the same time.**



### Suction/Extraction/Discharge Unit

0225	Capacity Litres
HP.SUC6B	6



## Redashe

### Features:

- Pumps diesel, petrol, kerosene and lubricating oils up to SAE 30.
- Designed to fit 205 litre (55 US gal) or 60 litre (16 US gal) drums.
- Ideal for high volume aviation transfer fuel.
- Pumps easily in both directions.
- Supplied with a 2.4m (8ft) antistatic rubber delivery hose and nozzle and 1050mm (3.5ft) two piece threaded suction tube.
- Lockable handle and built in nozzle holder.
- In-built strainer.
- 50mm (2") adjustable bung adaptor.
- Output: up to 100 litres (26 US gal) per minute or 1 litre (1 quart) per rotation.
- Outlet port: 25mm (1").

## GP Rapid-Flo

0122
GP-RAPIDFLO



# ELECTRICAL TRANSFER PUMPS

## 12V Submersible Transfer Pump

- Only suitable with diesel, biodiesel B30 and water to 80°C.
- Maximum Flow: 18 L/min. Length 145mm, diameter 47.5mm.
- 12V centrifugal submersible pump.
- 3m outlet hose (1/2"). (500 hour life expectancy).
- 4m long battery cable and clips. Weight 0.6kgs.
- Continuously rated for periods up to 1 hour.

**NOTE:**  
DO NOT RUN DRY

**Maximum Working Pressure:**  
15 psi (1 bar)



0225	Voltage	LPM
12SP18	12V	18

## Electric Oil Transfer Pump

Designed for pumping and transferring all grades of oils up to SAE 90. Suitable for lubricating oils, hydraulic oils, gear oils etc. Complete with on/off switch and internal bypass, it has 3/4" BSPF threaded ports and is also supplied with a pair of 1" hose tails. Pumping rate depends on grade of oil and temperature.

- IP55 rated

2033-5279



VISCO.110



0225	Voltage
2033-5279	230V
VISCO.110	110V

Tech Sheet 1174

## On-demand Diaphragm Pumps

- Only suitable for use with agricultural chemicals or water
- For spraying and transferring liquids
- With pressure switch and fittings
- Self priming to 2m
- EPDM diaphragm
- 1/2" and 3/4" barb plug-in ports



12V

0225	Description
DP12.4	4L/min, 35 psi (2.4 bar)
DP12.17	17L/min, 40 psi (2.8 bar)

## Portable Pump Kits

- Only suitable with diesel or biodiesel up to B30.
- Choice of 12V or 24V.
- 40 L/min pumping speed.
- Sturdy steel case complete with carry handle
- On/off switch and bypass valve.
- 2 metre long battery lead and crocodile clips.
- 6 metre of suction/delivery hose.
- Suction foot valve and strainer must be fitted or warranty is void.

**Maximum Run Time:** 30 mins.



**Manual, BSPF**

0225	Thread	Voltage
12PA.KIT1C	1"	12V
24PA.KIT1C	1"	24V

## Professional Battery Diesel Pump Kits

- For use with diesel, empties a 205L drum in 5 mins.
- 40 L/min. 4m battery lead with crocodile clips.
- Carry handle, on/off switch, bypass valve.
- Suction/delivery hose 6 metre in total.
- Aluminium nozzle with hose swivel.
- Complete kit for barrel/portable transfer.

**Maximum Run Time:** 30 mins.



0225	Voltage	LPM
12PA.KIT1B	12V	40
24PA.KIT1B	24V	40

## High Speed Battery Diesel Pump Kits

- Only suitable with diesel or biodiesel up to B30.
- Maximum Flow: 70 L/min. 12V.
- 1" BSPF inlet and outlet flanges.
- Direct drive vane pumping unit with bypass valve.
- Switch, 4m long battery cable and crocodile clips.
- Weatherproof for outdoor use.
- Maximum run time: 30 mins.
- Kit includes 7m suction/delivery hose, foot valve and strainer.
- Choose manual or automatic nozzle kit.



0225	Nozzle
12BIKIT	Manual
12BIKIT2	Automatic

## Battery Transfer Pumps

- Only suitable with diesel or biodiesel up to B30.
- Ideal for mounting into plant equipment, excavators etc.
- Maximum Flow: 40 L/min.
- 3/4" BSPF ports.
- Choose 12V or 24V.
- Direct drive vane pumping unit with bypass valve.
- Foot mounting plate.
- Weatherproof to IP54 for outdoor use.
- Complete with switch, carry handle.
- 4m long battery cable and crocodile clips.

**Maximum Run Time:** 30 mins.



0225	Voltage
12PA.BARE	12V
24PA.BARE	24V



# ELECTRICAL TRANSFER PUMPS

## Professional Diesel Transfer Pumps

Only suitable with diesel or biodiesel up to B30. Pumping speeds 50, 80 or 100 L/min. 230V or 110V. Direct drive, self priming, vane pumping units. 1" BSPF ports. Switch and 2m long mains cable. Integral filter and bypass. Weatherproof to IP55 for outdoor use. Continuously rated motor with thermal cut out. Full range of spares available.



0225	Voltage	LPM
SPT60A	230V	50
SPT70K-110	110V	50
SPT80A	230V	80
SPT80K-110	110V	80
SPT100A	230V	100
SPT100K-110	110V	110

## 230V Professional Diesel Pump Kit

Only suitable with diesel or biodiesel up to B30. Manual operated on/off switch. Pumping speeds choose 45 or 75 L/min option. Meter accuracy of +/- 2%. 4 digit resettable register. 8 digit non resettable totaliser. Weatherproof to IP55. Integral filter and bypass valve. 230V continuously rated motor with thermal cut out. 4m delivery hose. Choose manual or automatic nozzle options. Self priming pump unit. Dimensions 300mm H x 350mm W x 500mm D (including nozzle).

**45 Litres per Minute:** Ideal to fill cars/vans vehicles with small fuel tanks.

**75 Litres per Minute:** Ideal to fill vehicles with large fuel tanks.



### 45 Litres per Minute

0225	Nozzle
ECON45.MAN	Manual
ECON45	Automatic

### 75 Litres per Minute

0225	Nozzle
ECON75.MAN	Manual
ECON75	Automatic

## Battery Operated Fuel Pump

Ideal for mounting into plant equipment where space is limited. Steel foot mounting plant. 3/4" BSPF female inlet and outlet ports. Built in bypass.

**Maximum run time:** 30 mins



### For use with Diesel/Gasoil

0225	Voltage	LPM
2033-5287	12V	40
2033-5303	24V	40

Tech Sheet 1169

# AIR OPERATED TRANSFER PUMPS

## Polypropylene Air Operated Diaphragm Pump

1:1 ratio. Max operating pressure 116 psi/8 bar. Rugged Polypropylene body. Viton diaphragm. Maximum solids pumped = 3mm diameter. Air inlet 1/4". Suitable for Adblue® and antifreeze.



### BSPP

0225	Thread	LPM	Seal
ADP.60PV	3/4"	60	Viton

## Aluminium Air Operated Diaphragm Pump

1:1 ratio. Max operating pressure 116 psi/8 bar. Rugged aluminium body. Nitrile diaphragm. Maximum solids pumped = 3mm dia. Air inlet 1/4". 325mm H x 255mm W x 210mm D



### BSPP

0225	Thread	LPM	Seal
ADP.60AV	3/4"	60	Viton
ADP.90AN	1"	90	Nitrile

Tech Sheet 10578

## Pneumatic Pumps



### Oil Pumps

0122	Ratio	Description
J100	01:01	940mm Suction Tube
J300S	03:01	270mm Suction Tube
J500S	05:01	270mm Suction Tube

Tech Sheet 2053



## Hand Operated Fuel Oil & Liquid Pumps



### Lubeworks Lever Hand Pump Fuel Oil

0122	Description
J1703001	Lever Hand Pump



### Lift Pump Polypropylene Fuel Oils

0122	Description
HPLP	Lift Pump

## Pneumatic Oil Pumps & Dispensers



### Pneumatic Oil Pump Kit

0122	Description
J100TDG	Oil Pump Kit



### Wall Mounted Oil Dispensing Kit

0122	Description
C808MODK	Oil Dispensing kit



### Mobile Oil Dispenser

0122	Description
AOP3T.HR.A	With Hose Reel



# WORKSHOP, POWER TOOLS, FUEL & LUBRICATION

# Redashe

## Driven Fuel & Water Transfer Pumps



### Portable Fuel Transfer Pump Kit 12V & 24V

0122	Voltage
J10304022	12V
J10304024	24V



### Fuel Transfer Pump

0122	Description
J1500451	Transfer Pump



### Fully Enclosed Fuel Transfer Pump

0122	Description
J1500450	Transfer Pump



### Break Couplers for Fuel

0122	Size
ZBKV34N	3/4"
ZBKV01N	1"

## Hose Reels for Fuel



### Hose Reel for Oil

0122	Length Metres
HR015.12C	15



### Hose Reel for Diesel

0122	Length Metres
HR08.25	8





## Oil Delivery

Mobile oil dispensing units suitable for dispensing oil at medium/high viscosity, for mobile installations and fixed systems at medium distances. The drum trolley allows the system to be moved around the workshop with ease, giving increased efficiency. All items are available separately or in kit form.



### Oil Delivery System

0225	Description
JOS200	Oil Delivery System with Hose Reel
JOS100	Oil Delivery System without Hose Reel
C808-OKDD	Drum Mounted Oil Dispensing Kit
C080-OKMD	Drum Mounted Oil Dispensing Kit with Digital Gun Tech Sheet 60363

Pneumatic oil dispenser equipped with level gauge and delivery gun with flexible end. Works autonomously without the requirement of continuous connection to air supply.

 **Maximum Working Pressure:**  
10 bar



### Oil Delivery System

0225	Capacity Litres	Max Pressure Bar
JPOD030	30	10
JPOD065	65	10

Tech Sheet 60364

Self-contained oil pump supplied with a 16 litre (4.23 gallon) container with handle. Fitted with a 48" (4ft) fuel-resistant soft PVC hose with nozzle for clean discharge.

#### Features:

- 16 litre powder-coated container
- Variable handle setting for light or heavy fluids
- Recommended for transmission differentials and heavier oils
- Not suitable for water-based fluids or other corrosive media



### Oil Delivery System

0225	Capacity Litres
ZOLP16	16 Tech Sheet 60365

## Oil Drum Transportation



### Drum Trolleys

0225	To Suit
J1708001	12.5-50kg Drums
J1708003	205 Litre/180kg Drums Tech Sheet 60362







## Funnels & Measures



### Plastic Funnel

0225	Capacity Litres
ZFNL8	1.75
ZFNL9B	3



### Flexible Spout Measure

0225	Capacity Litres
ZFSM1	1
ZFSM5	5

## Oil Drain Pans



### Oil Drain Pans

0225	Capacity Litres
OPAN6	6
OPAN14	14

## Gravity Drainer



### Waste Oil Drainer

0225
WODHL90C





## Vacuum Oil/Fluid Extractor

**Capacity:**  
6.5 Litres  
**Suction Probes:**  
Ø5.8 x 850mm,  
Ø6.7 x 850mm  
**Extension Tube:**  
Ø9.5 x 1000mm



**0261**  
**TP69**  
Tech Sheet 1143

## Fluid Containers with Tap

Polyethylene fluid container with attached screw cap and tap for easy fluid control.



0261	Capacity Litres
WC10T	10
WC20T	20
WC35T	35

## Fluid Drain Pans

**Capacity:** 8 Litres  
**Approx. Diameter:** 365mm  
**Height:** 110mm



### Oil/Fluid Drain Pan, 8 Litre

**0261**  
**DRP01**

**Capacity:** 17 Litres  
**Approx. Diameter:** 460mm  
**Height:** 150mm



### Oil/Fluid Drain Pan, 17 Litre

**0261**  
**DRP03**  
Tech Sheet 1144

**Capacity:** 17 Litres  
**Approx. Diameter:** 460mm  
**Height:** 150mm



### Antifreeze/Fluid Drain Pan, 17 Litre

**0261**  
**DRP04**

**Capacity:** 10 Litres  
**Size:** 570 x 320 x 125mm



### Oil/Fluid Drain & Recycle Container, 10 Litre

**0261**  
**DRP07**



For **Hose Reels**  
see **Section 7**





### Chemical Pressure Sprayer

Brake cleaner and chemical pressure sprayer.



0225	Capacity Millilitres
J0002	1000

### Garage Funnel

12" (260 x 170) HDPE with universal filter box.



### Garage Funnel Complete with Filter

0225	
J8055/12SE	

### UK Type Funnels

HDPE Anti-Spill Funnel with filter and flexispout.



### Complete with Strainer

0225	Size Inches
J8055/6	6
J8055/9	9



HDPE Flexispout oil measures

### Complete with Measure & Flexible Spout

0225	Capacity Litres
J8057/1N	1
J8057/2N	2
J8057/3N	3
J8057/5N	5

### R Grip

Single coil "R" grips with bright zinc plate finish.



### Pack of 100

0225	Bore Size mm
J0787	2
J1181	3
J1373	3.5
J1574	4
J1968	5
J2362	6

### Linch Pins

Linch pins with 3.5mm wire dia O-Ring. Bright zinc plate and gold passivate finish.



### Linch Pins, Pack of 100

0225	Bore Size mm
J0250	6
J0312	8
J0437	11

Safety linch pin with O-Ring 54mm usable length.



### Safety Linch Pins, Pack of 100

0225	Bore Size mm
J7502	9



# FOOT VALVES & STRAINERS



## Foot Valves



### Foot Valves, Hose Tail

0019	To Suit Hose ID
NFV-2	2"
NFV-3	3"
NFV-4	4"
NFV-6	6"



### Malleable Iron Foot Valves, BSPP

0019	Thread
FOOT150	1.1/2"
FOOT200	2"
FOOT250	2.1/2"
FOOT300	3"
FOOT400	4"
FOOT600	6"

## Strainers



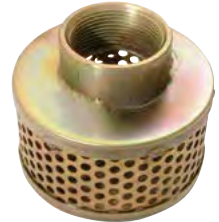
### Foot Valve Strainer, Hose Tail

0019	To Suit Hose ID
FVS-112	1.1/2"
FVS-3	3"
FVS-4	4"



### Strainer - Hose Tail, Zinc Plated Steel

0121	To Suit Hose ID
TCSHT1	1"
TCSHT114	1.1/4"
TCSHT112	1.1/2"
TCSHT2	2"
TCSHT212	2.1/2"
TCSHT3	3"
TCSHT4	4"
TCSHT6	6"
TCSHT8	8"



### Strainer - Screwed Female BSPP, Zinc Plated Steel

0121	Thread
TCSBSP112	1.1/2"
TCSBSP2	2"
TCSBSP3	3"
TCSBSP4	4"





## Oil Level Gauge

- Reads the oil level and sends the reading to an indoor receiver
- Suitable for use with heating oil and diesel
- Fits plastic tanks up to 3m deep. Easy to retrofit
- The transmitter needs a 20mm or 32mm hole on top of the tank
- No power required at the gauge, has a long-life lithium battery
- Comes with an electronic receiver that plugs into a 230V socket
- Receiver can be up to 200m away from the tank
- Tank level is displayed in ten graduations



0225	Length Metres
APOL1	3

## Tank Gauge - Remote Reading

- Simple hydrostatic tank contents gauge
- Suitable for use with heating oil and diesel
- UNITOP suits tanks from 0.9m to 3.2m high
- Probe has 1/2" BSP male tank fitting
- Readout can be sited up to 20m away from the tank
- Shows percentage of full tank contents
- Calibrate on site to suit tank
- Pull the plunger and release to show tank contents



0225	Description
UNITOP	Rectangular/Cylinder Tanks

## Tank Gauge - Float

- Suitable for diesel, heating oil, lube oils or water, antifreeze and biodiesel up to B100.
- Gauge provides a simple, rough indication of tank contents
- Shows EMPTY 1/4, 1/2, 3/4 or FULL
- Mounts directly into the top of tank
- Accuracy +/- 5%



0225	Thread	Length Metres
FG4E	1.1/2"	1.2
FG6E	1.1/2"	1.8



## Nylon Tubing

KELM™ nylon products are produced in a state-of-the-art manufacturing facility. All products undergo rigorous testing to ensure the optimum life can be achieved from the end product. Tube can be produced to your special requirements with optional length, size, colour and branding available (minimum quantities and lead times will apply).

Please contact our Business Development Team for further information.



### What are the advantages of the Femco drainage systems?

- The Femco oil drain plug reduces downtime
- You can drain oil at engine temperature, safely
- You can drain oil in an environmentally friendly way, because oil spillages are prevented
- Oil is contained from sump to container
- Eliminates the risk of stripped threads
- Tool-less oil changing; all you need is the drain hose

### How does the Femco oil drain plug work?

- 1) Remove the dust cover from the drain plug
- 2) Screw the Femco drain connector with hose onto the drainage system
- 3) The fluids are captured and flow straight to the container

### Which oil drain plug suits my application the best?

Femco produces a lot of oil drain plugs and they are all specialised for different applications.

- The Standard oil drain plug is installed when there is enough space available
- The Compact oil drain plug is used where space is restricted
- The Click Drain is used for a large number of vehicles
- The XL oil drain plug is used to drain a large amount of oil
- The Quick Drain is used for stationary machinery

### Where can I find an oil drain plug in the right size?

Femco has a product range covering over 500 thread types and sizes. We can also make custom thread sizes. Please call us; we can help you to find the right size.

### What are the drain plugs made from?

All our oil drain plugs are made from solid brass.

### Can I use a Femco oil drain plug in combination with an oil extractor pump?

All Femco oil drainage systems can be connected with an oil extractor pump.

### Can I perform an oil change while the oil is still hot?

All Femco oil drain plugs are produced from solid brass and can be used to drain oil at engine temperature.

### Is it possible to drain fluids other than oil?

The Femco oil drain plugs can be used to drain all kinds of fluid such as engine oil, coolant, gearbox oil and hydraulic oil.

### What happens if I get water in my fuel tank?

Femco drain plugs are ideal for draining condensation from fuel tanks.

### How do I perform an oil check?

Femco has produced various sampling nipples to make it easy to check the viscosity of the oil.

### How can I change the oil in a difficult-to-reach place?

Femco can provide you with angled and extended drain connectors or special adaptors to drain oil even in the tightest spaces.

### Can a Femco oil drain plug be fitted with a magnet?

All Femco oil drain plugs can be provided with a magnet, which can be inspected after draining the oil.

### Who does Femco already supply?

Femco already supplies their drainage systems to companies like:

- |             |           |                  |
|-------------|-----------|------------------|
| • Emirates  | • JCB     | • Bell Equipment |
| • MANN      | • VDL     | • Alfagomma      |
| • Hitachi   | • Daimler |                  |
| • Air China | • Kobelco |                  |



# QUICK, CLEAN AND SAFE OIL CHANGES



## Standard Drain Plugs

The Standard Drain – the original Femco® oil drain plug – was introduced in 1983 to change oil in a quick, clean and environmentally friendly way. The Standard Drain is manufactured out of 100% brass, which makes it easy to change hot oil. Additionally, the oil drain plugs are fitted with a dust cover and a double O-Ring, which protect the plug and ensure a reliable performance.

**Application:** Engine oil, hydraulic oil, gearbox oil, coolant, lubricating oil

**Material:** Brass outside and inside, stainless steel spring

**Valve:** Brass with Viton O-Ring/valve

**Dust Cap:** Brass, thread size LB: M26 x 1.5/SB: 22 x 1.5

**Dust Cap Seal:** NBR O-Ring

**Body Seal:** Viton O-Ring

**Working Temperature:**  
-20°C to +200°C



### NPT

0710	Thread
6060020141	1/4"
6060020142	3/8"
6060020143	1/2"
6060020140	3/4"
6060020145	1"

Tech Sheet 68080

### BSPP

0710	Thread
6070020130	1/4"
6070020131	3/8"
6070020132	1/2"
6070020134	3/4"
6070020141	1"

Tech Sheet 68080

### UNF

0710	Thread
6080020109	1/2"-20
6080020113	3/4"-16
6080020115	7/8"-14
6080020119	7/8"-20
6080020120	1"-12

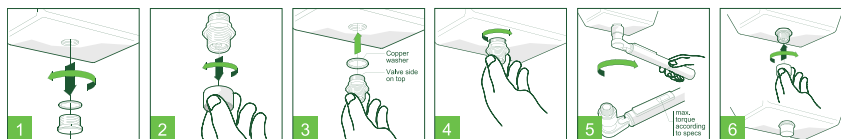
Tech Sheet 68080

### Metric

0710	Thread
6090020030	M12 x 1.5
6090020033	M14 x 1.5
6090020036	M16 x 1.5
6090020038	M18 x 1.5
6090020040	M20 x 1.5
6090020046	M22 x 1.5
6090020053	M24 x 1.5

Tech Sheet 68080

### Installing FEMCO® Drain Plugs (Standard and Compact)



## Standard Drain Accessories



### Straight Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
650103	M26 x 1.5	18	250

Tech Sheet 68080



### 90° Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
650108	M26 x 1.5	18	250

Tech Sheet 68080



### Dust Cap & Chain

0710	Thread
650113	M26 x 1.5

Tech Sheet 68080



### 45° Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
650121	M26 x 1.5	18	250

Tech Sheet 68080



# QUICK OIL DRAIN PLUGS

## Compact Drain Plugs

The Compact Drain is the smallest Femco® oil drain plug, and is the perfect choice for oil changes in tight spaces. The Compact plug only extends 12 millimetres from the sump, and is often used in vehicles with a low ground clearance such as cars, buses and motorcycles. You can install the compact plug on any vehicle without worrying about the available space.

**Application:** Engine oil, hydraulic oil, gearbox oil, coolant, lubricating oil

**Material:** Brass outside and inside, stainless steel spring

**Valve:** Brass with Viton O-Ring/valve

**Dust Cap:** Brass, thread size LB: M24 x 1,5/SB: 20 x 1.5

**Dust Cap Seal:** NBR O-Ring

**Body Seal:** Viton O-Ring

**Working Temperature:**  
-20°C to +200°C



### NPT

0710	Thread
7060020406	1/4"
7060020407	3/8"
7060020408	1/2"
7090020411	3/4"
7060020413	1"

Tech Sheet 68080

### UNF

0710	Thread
7080020354	1/2"-20
7080020360	7/8"-14
7080020363	7/8"-18
7080020378	1 1/8"-12
7080020372	5/16"-12

Tech Sheet 68080

### Metric

0710	Thread
7090020178	M12 x 1.5
7090020181	M14 x 1.5
7090020184	M16 x 1.5
7090020186	M18 x 1.5
7090020189	M20 x 1.5
7090020195	M22 x 1.5
7090020203	M24 x 1.5

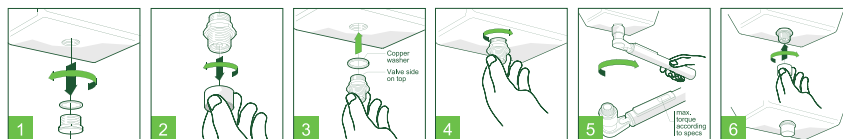
Tech Sheet 68080

### BSPP

0710	Thread
7070020395	1/4"
7070020397	3/8"
7070020398	1/2"
7070020399	3/4"
7070020401	1"

Tech Sheet 68080

### Installing FEMCO® Drain Plugs (Standard and Compact)



## Compact Drain Accessories



### Straight Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
750005	M24 x 1.5	18	250

Tech Sheet 68080



### 45° Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
750013	M24 x 1.5	18	250

Tech Sheet 68080



### 90° Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
750010	M24 x 1.5	18	250

Tech Sheet 68080



### Dust Cap

0710	Thread
750028	M24 x 1.5

Tech Sheet 68080



## Click Drain Plugs

The Click Drain enables you to perform quick, clean and environmentally friendly oil changes. The Click Drain is manufactured out of solid brass. This material is heat resistant, ensuring you can safely change hot fluids such as engine oil. You can use the oil drain valve without using any specialist tools. In addition to this, it is easy to take oil samples using the Click Drain. The Click Drain oil drain valve also incorporates a locking system to ensure an effective seal, creating a clean working environment.

Click Drain plugs make oil changes on your vehicles and machines quick and easy. This oil drain system consists of a plug and a clicker. When it is time for an oil change, you simply click the clicker onto the plug to start draining the oil. The Click Drain plug is often used in combination with the Femco® oil extractor pump, and is the ideal solution for small maintenance tasks on fleets of vehicles.

**Applications:** engine oil, hydraulic oil, gearbox oil, coolant, lubricating oil

**Material:** brass outside and inside, stainless steel spring

**Valve:** Brass with viton O-Ring/valve

**Dust Cap:** brass, thread size LB: M26 x 1.5/SB: 22 x 1.5

**Dust Cap Seal:** NBR O-Ring

**Body Seal:** Viton O-Ring

### Advantages of the Quick Drain oil drain valve:

- Reduction of downtime
- Easy operation
- Clean oil changes
- Change hot oil safely
- No tools required
- Easy way to sample oil



**Working Temperature:**  
-20°C to +200°C

### NPT

0710	Thread
8060020511	1/4"
8060020512	3/8"
8060020513	1/2"
8060020514	3/4"
8060020516	1"

Tech Sheet 68080

### BSPP

0710	Thread
8080020501	1/4"
8080020502	3/8"
8080020504	1/2"
8080020505	3/4"
8080020506	1"

Tech Sheet 68080

### UNF

0710	Thread
8080020482	3/4"-16
8080020483	7/8"-14
8080020486	7/8"-18
8080020487	7/8"-20
8080020489	1"-14
8080020492	1.1/2"-12

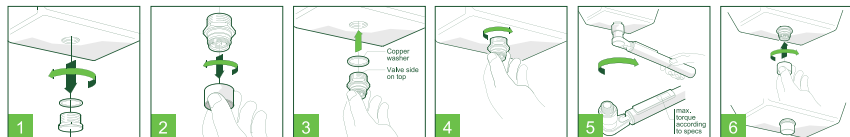
Tech Sheet 68080

### Metric

0710	Thread
8090020420	M12 x 1.5
8090020423	M14 x 1.5
8090020425	M16 x 1.25
8090020428	M18 x 1.5
8090020430	M20 x 1.5
8090020436	M22 x 1.5
8090020443	M24 x 1.5

Tech Sheet 68080

### Installing FEMCO® Drain Plugs (Click Drain)



## Click Drain Accessories



### Straight Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
851002	1/2"	18	250

Tech Sheet 68080



### Drain Connector, Solo Click, BSPP

0710	Thread
851000	1/2"

Tech Sheet 68080



### 90° Drainer, without Hose

0710	Thread	To Suit Hose ID mm
851004	1/2"	18

Tech Sheet 68080



### 45° Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
851008	1/2"	18	250

Tech Sheet 68080



### Drain Connectors, Double Click, BSPP

0710	Thread
851017	1/2"
851013	3/4"
851019	1"

Tech Sheet 68080



## Grease Nipples



### Angled Male Thread, BSPT

0088	Angle	Thread
2017-3829	45°	1/8"
2017-3845	45°	1/4"
2017-3811	65°	1/8"
2017-3787	90°	1/8"
2017-3795	90°	1/4"

### Angled Male Thread, Metric

0088	Angle	Thread
GNM645	45°	M6 x 1
GNM845	45°	M8 x 1
GNM690	90°	M6 x 1
GNM890	90°	M8 x 1

### Angled Male Thread, NPT

0088	Angle	Thread
GN0245N	45°	1/8"
GN0445N	45°	1/4"
GN0290N	90°	1/8"
GN0490N	90°	1/4"

### Angled Male Thread, UNF

0088	Angle	Thread
GNU0445	45°	1/4"
GNU0490	90°	1/4"



### Straight Male Thread, BSPT

0088	Thread
2017-3738	1/8"
2017-3746	1/4"

### Straight Male Thread, Metric

0088	Thread
GNM6	M6 x 1
GNM8	M8 x 1

### Straight Male Thread, NPT

0088	Thread
GN02N	1/8"
GN04N	1/4"

### Straight Male Thread, UNF

0088	Thread
GNU04	1/4"



### 16mm Double Hexagon Head (15mm A/F) Male Thread, BSPP

0088	Thread
2017-3860	1/8"
2017-3878	1/4"

### 16mm Double Hexagon Head (15mm A/F) Male Thread, NPT

0088	Thread
GNTH02N	1/8"
GNTH04N	1/4"



### 16mm Round Head Male Thread, BSPP

0088	Thread
2017-3886	1/8"
2017-3894	1/4"

For use with greasing units on hydraulic type nipples (DIN 71412). Precision fit jaws are hardened for extended life.

**Maximum Working Pressure:**  
500 bar



### Jaw Grease Connectors

0088	Length mm	Type
2017-3621	37	Valved
2017-3639	37	Unvalved

For use with greasing units on button and hexagon head grease nipples.

**Maximum Working Pressure:**  
400 bar



### Slide-on Connector

0088
2017-3647

For use with greasing units on button and hexagon head grease nipples.

**Maximum Working Pressure:**  
400 bar



### Hook-on Connector

0088
2017-3696

For use with greasing units on button and hexagon head grease nipples.

**Maximum Working Pressure:**  
400 bar



### Knuckle Jointed Slide-on Connector

0088
2017-3712



## Grease Nipples, Stainless Steel



### 45° Angle, Male Thread

0088	Thread
SSGN0245	1/8" BSPT
SSGN0245N	1/8" NPT
SSGN0445	1/4" BSPT
SSGNM645	M6 x 1
SSGNM845	M8 x 1
SSGNU0445	1/4" UNF



### 90° Angle, Male Thread

0088	Thread
SSGN0290	1/8" BSPT
SSGN0290N	1/8" NPT
SSGN0490	1/4" BSPT
SSGNM690	M6 x 1
SSGNM890	M8 x 1
SSGNU0490	1/4" UNF



### Straight, Male Thread

0088	Thread
SSGN02	1/8" BSPT
SSGN02N	1/8" NPT
SSGN04	1/4" BSPT
SSGN04N	1/4" NPT
SSGNM6	M6 x 1
SSGNM8	M8 x 1
SSGNU04	1/4" UNF



### Tat Head

0088	Thread
SSGNTH02	1/8" BSPT

## Box of Assorted Imperial Grease Nipples



0225

GR.NIPI

## Grease Nipples

80 piece assorted straight and angled grease nipples. Imperial contains BSP/BSF/UNF. Metric contains M6/M8/M10.



## Box of Assorted Grease Nipples

0225	Thread
J9130/80	BSP/BSF/UNF
J9131/80	M6/M8/M10

## Grease Nipple Covers



0225

PNR

## Grease Guns

Universal gun for use with cartridges (400cc) or bulk grease (500cc).



### Side Lever Gun

0088

2017-3506

- Rigid tube and locknut, 4-jaw connector and filler/bleed nipple
- Universal gun for use with cartridges (400cc) or bulk grease (500cc)
- Heavy-duty follower



### Heavy-duty Lever Gun

0088

2017-3514

- One hand pistol grip with rigid tube and 4-jaw connector
- Universal gun for use with cartridges (400cc) or bulk (500cc)



### Pistol Grip Gun

0088

2017-3555

- Maximum air pressure 10 bar
- Air connection 1/4" BSPF
- Universal gun for use with cartridges (400cc) or bulk (500cc)



### Air Operated Grease Gun

0088

2020-7312



## Adaptors



### Straight, Male Connector

0382	Male Thread	Female Thread
SMF04U/02	1/4" UNF	1/8"
SMFM6/02	M6 x 1 Taper	1/8"
SMFM8/02	M8 x 1 Taper	1/8"



### Tee Connector

0382	Tube OD mm
SCMT06	6



### Anchor Block (One Way), Female Thread, BSPP

0382	Thread	Length mm	Width mm	Depth mm
ABS02-1	1/8"	30	15	15



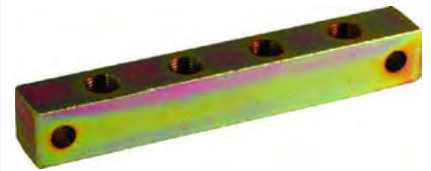
### Battery Plate Adaptor, Brass, BSPP

0382	Female Thread	Tube OD mm
BPAM02-06-1	1/8"	6
BPAM02-06-2	1/8"	8



### Universal Anchor Block, Female Thread, NPT

0382	Thread
81583-B	1/8"



### Multi Point Anchor, Female Thread, BSPP

0382	Thread	Length mm	Ports
ABS02-2	1/8"	62	2
ABS02-4	1/8"	108	4
ABS02-6	1/8"	154	6





## Lubrication Compression Fittings, Type LL

Suitable for oil and grease applications



## Straights, Steel Zinc Plated

0382	OD mm	Thread
LU-1130	4	M6 x 1
LU-1140	4	M8 x 1
LU-1150	4	M10 x 1
LU-1160	4	1/8"
LU-1170	6	M6 x 1
LU-1180	6	M8 x 1
LU-1190	6	M10 x 1
LU-1200	6	1/8"
LU-1210	6	1/4"



stainless  
steel

## Straights, 304 Stainless Steel

0382	OD mm	Thread
LU-1220SS	6	M6 x 1
LU-1230SS	6	M8 x 1
LU-1240SS	6	M10 x 1
LU-1250SS	6	1/8"



## Elbows, Steel Zinc Plated

0382	OD mm	Thread
LU-1000	4	M6 x 1
LU-1010	4	M8 x 1
LU-1020	4	M10 x 1
LU-1030	4	1/8"
LU-1040	6	M6 x 1
LU-1050	6	M8 x 1
LU-1060	6	M10 x 1
LU-1070	6	1/8"
LU-1080	6	1/4"



Maximum Working Pressure:  
100 bar



stainless  
steel

## Elbows, 304 Stainless Steel

0382	OD mm	Thread
LU-1090SS	6	M6 x 1
LU-1100SS	6	M8 x 1
LU-1110SS	6	M10 x 1
LU-1120SS	6	1/8"



## Unions, Steel Zinc Plated

0382	OD mm
LU-1260	4
LU-1270	6



stainless  
steel

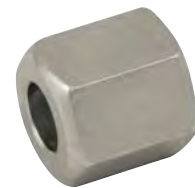
## Unions, 304 Stainless Steel

0382	OD mm
LU-1290SS	6



## Compression Nuts, Steel Zinc Plated

0382	OD mm
LU-1300	4
LU-1310	6



stainless  
steel

## Compression Nuts, 304 Stainless Steel

0382	OD mm
LU-1340SS	6



## Compression Rings, Steel Zinc Plated

0382	OD mm
LU-1320	4
LU-1330	6



stainless  
steel

## Compression Rings, 304 Stainless Steel

0382	OD mm
LU-1350SS	6



## Lubrication Push-in Fittings

**Material:** Brass plated.  
Suitable for use with oil and grease.



### Straights

0382	OD mm	Thread
LU-1360	4	M6 x 1
LU-1370	4	M8 x 1
LU-1380	4	M10 x 1
LU-1390	4	1/8"
LU-1400	6	M6 x 1
LU-1410	6	M8 x 1
LU-1420	6	M10 x 1
LU-1430	6	1/8"



**Maximum Working Pressure:**  
60 bar



### Elbows

0382	OD mm	Thread
LU-1440	4	M6 x 1
LU-1450	4	M8 x 1
LU-1460	4	M10 x 1
LU-1470	4	1/8"
LU-1480	6	M6 x 1
LU-1490	6	M8 x 1
LU-1500	6	M10 x 1
LU-1510	6	1/8"



### Unions

0382	OD mm
LU-1520	4
LU-1530	6



### Swivel Unions, Metric

0382	OD mm	Thread
LU-1540	6	M6 x 1
LU-1550	6	M8 x 1
LU-1560	6	M10 x 1



### Swivel Unions, BSPT

0382	OD mm	Thread
LU-1570	6	1/8"

## Lubrication Adaptors

**Material:** Galvanised steel.  
Suitable for use with oil and grease.



### 45° Male/Female Elbows, Metric

0382	Thread
LU-1580	M8 x 1
LU-1590	M10 x 1



### 45° Male/Female Elbows, BSPT

0382	Thread
LU-1600	1/8"



### 90° Male/Female Elbows, Metric

0382	Thread
LU-1610	M6 x 1
LU-1620	M8 x 1
LU-1630	M10 x 1



### 90° Male/Female Elbows, BSPT

0382	Thread
LU-1640	1/8"

**Material:** Brass.  
Suitable for use with oil and grease.



### Banjo Male/Female Elbows, Metric

0382	OD mm	Thread
LU-1650	4	M8 x 1
LU-1660	4	M10 x 1
LU-1670	6	M6 x 1
LU-1680	6	M8 x 1
LU-1690	6	M10 x 1




### Banjo Male/Female Elbows, BSPT

0382	OD mm	Thread
LU-1700	6	1/8"



## Grease Hoses

 **Maximum Working Pressure:**  
400 bar  
**Burst Pressure:**  
900 bar

Single Steel Braid Rubber Hose,  
Male Thread, BSPP

0088	Thread	Length
2017-3654	1/8"	12"
2017-3662	1/8"	18"

Nylon Braid Hoses Polyamide Coated,  
Male Thread, BSPP

0088	Thread	Length
2017-3670	1/8"	12"
2017-3688	1/8"	18"

Rigid Stem with  
4 Jaw Connector

0088
2017-3720

## Lithium No.2 Grease Cartridge


Multi purpose bearing grease No.2 consistency for conventional applications.



0088	Volume Grams
2017-6780	400

## PRESSURE HOSES

## Pressure Hoses

 **Working Temperature:**  
-40°C to +100°C

For use with Oil, 1/2" BSPP  
Male/Female x 1/2" ID 1 Wire Hose

0300	Max Pressure PSI	Length mm
1BMF0808-600	2320	600
1BMF0808-800	2320	800
1BMF0808-2000	2320	2000
1BMF0808-4000	2320	4000
1BMF0808-10000	2320	10000


For use with Grease, 1/4" BSPP  
Male/Female x 1/4" ID 2 Wire Hose

0300	Max Pressure PSI	Length mm
2BMF0404-600	5800	600
2BMF0404-1500	5800	1500
2BMF0404-4000	5800	4000
2BMF0404-10000	5800	10000

For use with Air & Water, 3/8" BSPP  
Male/Female x 3/8" ID Hose


0300	Max Pressure PSI	Length mm
AW-R6-600	1620	600
AW-R6-2000	1620	2000
AW-R6-4000	1620	4000
AW-R6-10000	1620	10000

## Long Life Flexible Oil Lines

 **Working Temperature:**  
-40°C to +100°C

R1, 1/4" BSPP Female/  
Female x 1/4" ID 1 Wire Hose

0300	Max Pressure PSI	Length mm
1BFF0404-600	3260	600
1BFF0404-750	3260	750
1BFF0404-1000	3260	10000

 **Working Temperature:**  
-40°C to +90°C

Thermoplastic, 1/4" BSPP Female/  
Female x 1/4" ID 1 Wire Hose


0300	Max Pressure PSI	Length mm
7BFF0404-600	2755	600
7BFF0404-750	2755	750
7BFF0404-1000	2755	10000

Workshop Manual  
Pressure Test Pump

Designed for pressure testing hoses, pipework radiators and boilers etc. Can use with water or oil for testing. Comes with a gauge to monitor the pressure in the line. Fills the line you are testing with fluid from the reservoir. Comes complete with 2m delivery hose, 1/2" BSPM connector.

- Brass pump with anodised aluminium piston
- Housed in a 5 litre capacity steel reservoir
- Delivery per stroke: 12cc



 **Maximum Working Pressure:**  
209psi (20 bar).

0225  
PTP



# GREASING & LUBRICATION EQUIPMENT

## High Pressure Hose & Accessories



### Non-filled Reinforced Hose 600 to 840 Bar, 10 Metre Coil

0382	ID mm	OD mm
LU-1710	4	8.75
LU-1730	6.3	11.3

### Grease Filled Reinforced Hose 600 to 840 Bar, 10 Metre Coil

0382	ID mm	OD mm
LU-1720	4	8.75

### Straight Inserts, Steel Zinc Plated



0382	ID mm	OD mm
LU-1740	4	8.75
LU-1750	6	8.75

stainless steel



### Straight Inserts, Stainless Steel

0382	ID mm	OD mm
LU-1760SS	6	8.75

### 90° Inserts, Steel Zinc Plated



0382	ID mm	OD mm
LU-1780	6	8.75
LU-1790	8	11.3

### Ferrule, Zinc Plated



0382	OD mm
LU-1800	8.75
LU-1810	11.3

stainless steel



### Ferrule, Stainless Steel

0382	OD mm
LU-1820SS	8.75
LU-1830SS	11.3

## Lubrication & Pumping Equipment

Three inch air motor, provides more power to create better flow.

NXT Air Valve, designed to reduce icing in continuous use applications and uses less air than competitive pumps for better efficiency. Easy to repair or replace without tearing down internal pump components for less downtime.

Modular air valve, air inlet and exhaust locations are easy to configure with just four bolts for simple, hassle free installations.

Built-in thermal relief and inlet strainer, built-in thermal relief protects your equipment from thermal expansion without the need to buy and install an additional kit.

Inlet strainer (oil only) is built-in to protect pump from contaminants that can damage your pump.

#### Connections:

Air line 1/4" BSP

Fluid outlet 1/2" BSP

Inlet 1" BSP

900mm plastic down tube

(can be cut down as required).



### LD Range Oil Pumps

0382	Ratio	LPM
24G581	3:1	9.8
24G593	5:1	7.6



### Wall Mount Bracket

0382	To Suit
24F910	24G5 Series Pumps

## Remote Grease Systems

#### Contents:

- 1 x 1/8" BSP 2 way block
- 2 x 1/8" BSP straight grease nipples
- 4 x 1/8" BSP x 6mm straights
- 2 x M8 x 1 straight compression fittings
- 30 metre of 6 x 3mm semi rigid black nylon tube



### 2 Point

0382

BAT03

#### Contents:

- 1 x 1/8" BSP 6 way block
- 6 x 1/8" BSP straight grease nipples
- 6 x M6 x 1 x 6mm straight compression fittings
- 6 x 1/8" BSP x 6mm straight compression fittings
- 30 metre of 6 x 3mm semi rigid black nylon tube



### 6 Point

0382

BAT06

## Manual Grease System

#### Contents:

- 1 x 1 litre manual pump
- 1 x 4 way grease block
- 1 x 81-5261-1/4 x 6mm straight
- 8 x 1/8" BSP x 6mm fitting
- 30 metre coils of 6 x 3 semi rigid black nylon tube
- 6 x 1 way pipe clips
- Suitable for soft grease NLGI NO 000,00,0
- For use on small machinery, direct feed on to bearings
- 1.00cc delivery per stroke
- Max discharge pressure 150 bar



### 4 Point

0382

PROG12



## Grease Guns

Professional 18 volt cordless grease gun, which can develop up to 8,000 psi of pressure. 3-way loading, 1 hour fast charge, 2 battery packs and all supplied in a robust carry case.

 **Maximum Working Pressure:**  
552 bar



### Standard Cordless, Battery Operated

0225	Voltage
RB1858	18V
Tech Sheet 60360	

Professional 18V lithium-ion cordless grease gun, ergonomically designed to help reduce operator fatigue. Can develop up to 10,000psi of pressure. Features three-way loading, one hour fast charge, spare battery and a built in LED light which illuminates your work area. All supplied in a robust carry case.



### Cordless, Lithium-ion Battery Operated

0225	Voltage
RB1988	18V
Tech Sheet 60379	

## Grease Coupler & Bracket

This quick disconnect grease coupler is designed for quick and convenient disengagement of the coupler from the grease/zerk fittings under pressure.

 **Maximum Working Pressure:**  
550 bar



### Quick Disconnect Coupler

0088	Thread
ZHC21B	1/8"
Tech Sheet 60358	

Simple snap-action clamp for safe storage of grease guns and suction guns.



### Grease Gun Bracket

0225	To Suit
ZGGH01	Barrel Diameter 57mm
Tech Sheet 60380	

## Hydraulic Swivel Adaptor

Professional 360° hydraulic adaptor, three jaw, 1/8" BSPT thread and hex nut.

 **Maximum Working Pressure:**  
483 bar



### 360° Swivel

0088	Thread
ZHCSW3B	1/8"
Tech Sheet 60359	

## Thread Gauge

### Threads:

**NPT:** 1/8", 1/4", 3/8"

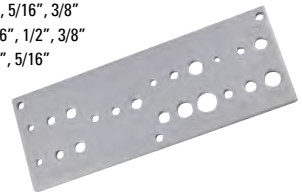
**Metric:** M6 x 1, M6 x 0.75, M8 x 1, M8 x 1.25, M10 x 1, M10 x 1.5

**BSPT:** 1/8", 1/4"

**UNF/ANF:** 1/4", 5/16", 3/8"

**BSW:** 1/4", 5/16", 1/2", 3/8"

**BSF:** 3/16", 1/4", 5/16"



### To suit Grease Nipples

0382	To Suit
ZTHT01	
Tech Sheet 60361	



## Economy Side Lever Grease Gun



0122	Description
GGUN01	400cc Grease Gun with Rigid Tube & Connection

## Grease Control Gun



0122	Description
J1785701	

## Heavy-duty Lever Grease Gun



0122	Description
J1786004	

## Pistol Grip Grease Gun



0122	Description
J1786501	

## Grease Filler Pumps



### Mini-Lube

0122	Description
K7	



### Air Operated Grease Pump Kit

0122	Description
J1700512	12.5kg Air Operated Grease Kit
J1700524	50kg Air Operated Grease Kit
J1708001	Optional Drum Trolley





## Grease Guns

A unique single hand operated grease gun of superior quality for the professionals.

The short stroke operation delivers 52,000kPa/7,500 psi/520 bar whilst the flexible extension allows you to access nipples that are normally hard to reach.

The gun can be filled by one of three ways: cartridge, bulk or J2 grease pump.

## Features:

- Short stroke operation
- Easy one hand operation
- Flexible outlet with Supergrip KY Coupler
- Delivers 0.8gm per shot
- Filler/bleeder nipple 1/4" BSP (M)



## Professional Flexi Grease Gun

0122

K32

A high quality lever grease gun for the professionals. This lever gun is engineered for high pressure greasing providing up to 69,000kPa/10,000 psi/690 bar. The lever gun can be filled by one of three ways: cartridge, bulk or J2 grease pump.

## Features:

- Rigid outlet with Supergrip KY Coupler
- Delivers 1.5gms per shot
- Filler/bleeder nipple 1/8" BSP (M)
- Fully repairable



## Professional Lever Grease Gun

0122

K40

Tech Sheet 10579

The K3 Super-Lube is a manual greasing system designed to fit 12.5kg grease kegs and includes a unique KR Grease gun that delivers grease at either volume or high pressure up to 69,000kPa/10,000 psi/ 690 bar. When on the high pressure setting blocked grease nipples can be easily cleared. The fully sealed system ensures that your grease is kept free from contamination that destroys bearings and causes expensive down time.

## Features:

- Spring loaded pump provides 60 shots
- 3m delivery hose
- 360° swivel prevents the hose from kinking
- Rubber edged follower provides wipe down of container walls



## K3 Super-Lube

0122

K3

The K6 Mini-Lube is a portable manual greasing system designed to fit 3kg grease pails, and includes a unique KR Grease gun that delivers grease at either volume or high pressure up to 69,000kPa/10,000 psi/ 690 bar. When on the high pressure setting blocked grease nipples can be easily cleared. The fully sealed system ensures that your grease is kept free from contamination that destroys bearings and causes expensive down time.

## Features:

- Spring loaded pump provides 30 shots
- 3m delivery hose
- 360° swivel prevents the hose from kinking
- Rubber edged follower provides wipe down of container walls



## K6 Mini-Lube

0122

K6

For fast and easy loading of grease guns. The pump allows you to buy grease more economically whilst the fully sealed system keeps out any contaminants.

## Features:

- Suitable for 12.5 kegs
- Delivers 54gms per stroke
- Fully sealed system keeps grease clean



## J2 Grease Pump

0122

J2

The P3 power-lube is the ultimate economical, high pressure air powered greasing system. To suit 12.5kg grease pails. At the recommended air pressure of 690kPa/100 psi/ 7 bar the 50:1 ratio air motor provides fast and continuous greasing at 34,500kPa/5,000 PSI/345 BAR. The grease pressure can be boosted to 69,000kPa/ 10,000 psi/690 bar simply by squeezing the gun trigger several times.

## Features:

- Non corroding air motor
- 4m delivery hose
- Handles up to NLG1 No2 greases
- Delivers 460gms of grease per minute
- Suitable for 12.5kg grease kegs



## P3 Air Operated Power-Lube

0122

P3

Tech Sheet 10580

The P6 Maxi-Lube is the ultimate in economical high pressure air powered greasing systems. To suit 50kg grease pails. 690kPa/100 psi/7 bar the 50:1 ratio air motor provides fast and continuous greasing at 34,500kPa/5,000 psi/345 bar. The grease pressure can be boosted to 69,000kPa/10,000 psi/690 bar simply by squeezing the the gun trigger several times.

## Features:

- Non corroding air motor
- 4m delivery hose
- Handles up to NLG1 No2 greases
- Delivers 460gms of grease per minute
- Suitable for 50kg grease kegs



## P6 Air Operated Maxi-Lube

0122

P6

## Refillable Bearing Lubricator

The refillable automatic bearing lubricators are high quality, mechanical, chemical and thermal resistant. Designed to provide constant lubrication to bearings, bushings, joints, articulated joints or wherever constant greasing is required.

## Features:

- Supplied with medium tension springs
- Suitable for all types of grease NLG1 0-1-2-3-4
- Setting dial (1, 3, 6 and 12 months) supply duration

**Material Body:** Transparent lexan

**Working Temperature:** -30°C to +132°C



**Maximum Working Pressure:** 200 psi



0122

Capacity Millilitres

MCGL100

100

MCGL220

220

Tech Sheet 2143

## Aviation Lubrication Kit

Accessories typically required when lubricating aircraft.

## Kit consists of:

- KDN Right angle needlepoint coupler
- KDS Short tolerance right angle coupler
- KDE8 rigid push on 220mm extension
- KDF21 530mm flexible extension
- KY Standard super grip coupler
- KZDXL Straight needlepoint coupler, length 120mm
- KZHY Hypodermic needlepoint coupler
- KZLNJ 300mm reverse needlepoint coupler
- KZLNS 300mm straight needlepoint coupler
- KZLNR 300mm right-angled needlepoint coupler
- KZLN45 300mm 45° needlepoint coupler
- KZSNR 110mm needlepoint coupler with 90° bend at the end
- J65 Filler nozzle adaptor



0122

ACK-2



# GREASING & LUBRICATION EQUIPMENT

## Pneumatic Pumps

JG-50 Drum cover, 385mm/50-60kg. Follower plate 370mm/50-60kg, Connection hose SAE R2 13" x 1/4", grease gun, Z swivel. JG-12 Drum cover, 280mm/12kg. Follower plate 265mm/12kg. Connection hose SAE R2 13" x 1/4", grease gun, Z swivel.



### Grease Pumps

0122	Ratio	Description
JG-50	50:1	740mm Suction Tube
JG-12	50:1	480mm Suction Tube

## Grease Pumps

GR.H12.L High pressure, direct feed grease pump. Fits directly onto 12.5Kg keg. Rubber edged follower plate. 1.2m high pressure outlet hose. 4 jaw connector. GR.BFILL.L Low pressure high volume grease pump. Pumps grease up to NGLI2, fits 12.5kg kegs. 1.2m outlet hose and quick release female connector.



### High Pressure

0225  
GR.H12.L

### Low Pressure

0225  
GR.BFILL.L

For filling grease guns with bulk grease, up to NGLI2. Fits directly onto 12.5kg kegs. Fills grease guns fast. Enables you to buy grease in bulk, saving money.



### Grease Gun Filler Pump

0225  
GR.GGFILL.L

## Mobile Grease Dispensers

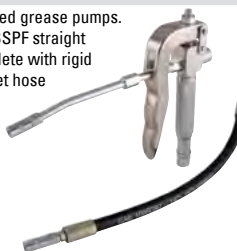
50:1 ratio air operated grease pump. 4 wheeled trolley. 4m of 1/4" bore delivery hose. Grease gun complete with straight swivel. GR.AM12.5C fits 12.5kg grease keg. 280mm diameter drum cover. 265mm diameter follower plate. GR.AM50C fits 50kg grease keg. 385mm diameter drum cover. 370mm diameter follower plate.



0225	To Suit
GR.AM12.5C	12.5kg Keg
GR.AM50C	50kg Keg

## Grease Control Gun & Accessories

For use with air operated grease pumps. Inlet connection 1/4" BSPF straight swivel. Supplied complete with rigid spout and flexible outlet hose with 4 jaw connection. Option Z swivel. Spare straight swivel available.



### Grease Gun

0225  
GR.AGUNC

### 1/4" Z Swivel

0225  
GR.ASWIVC

### 1/4" Straight Swivel

0225  
GR.ASWIVS

## High Volume Side Lever Grease Gun

Designed for ease of use with min effort that any gun can offer. Delivers 1.1/2 times more grease than most grease guns and generates pressure up to 10,000 psi (690 bar). Machined to precision tolerances (die cast head, 1.2mm barrel). Accepts either 400cc cartridges or 500cc bulk fill. Supplied with rigid spout, 4 jaw connector and bulk filling loader.



0225  
GR.G3HV

## High Volume Pistol Grip Grease Gun

Industrial pistol grip/one handed grease gun. Used for greasing in confined spaces/restricted access. Unique variable stroke feature allows increased pressure from short strokes and high volumes from full strokes (7500 psi 517 bar). Machined to precision tolerances (die cast head, 1.2mm barrel). Accepts either 400cc cartridges or 500cc bulk fill.

Supplied with 225mm flexible spout and 4 jaw connector. Fitted with unique bulk filling loader, doubles as an air bleed.



0225  
GR.G6HV

## Grease Fitting Unblocker

Opens clogged grease fittings/loosens hardened grease joints. Maintains and protects bearings, control arms, joints, king pins etc. Tap with a hammer to force light viscosity oil through the tool into the coupler and finally, into the grease joint - breaking up and removing dirt and debris. Built in hand guard for added safety. Flexible hose attachment reaches fittings in difficult areas. Comes with a grease coupler for connection onto the grease fitting and 2 spare piston/seals for replacing as they wear out.



0225  
GR.FU

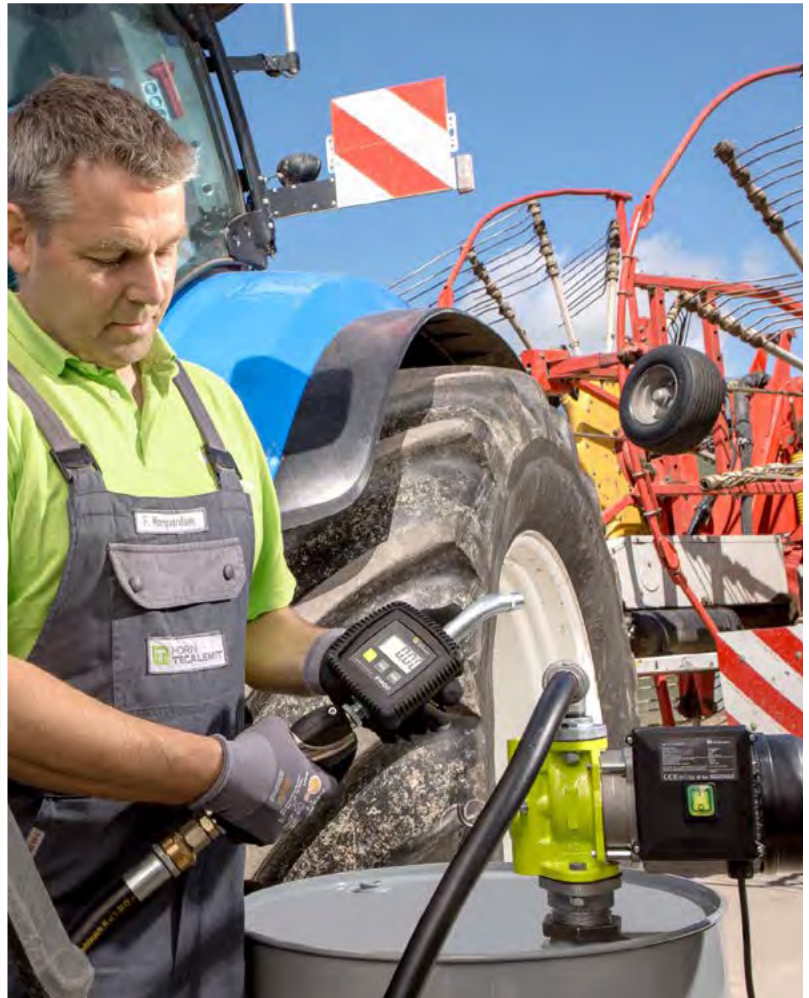
## Portable Greasing System

Ideal for heavy plant and site use. Foot operated. Suitable for grease up to and including NLGI 2. Foot operated by pressing on the spring loaded system. Hose is then charged with grease ready for dispensing. A single charge dispenses 30 shots of grease. Super dispensing gun has high pressure and high volume settings. High pressure 0.45gm per shot, high volume 1.25gms per shot. High pressure feature is useful to open blocked grease fittings. Comes with drum cover (dia 216mm) rubber lined follower plate, 1.5m hose and 5kg plastic grease bucket/drum.



0225  
GR.PGS





**TECALEMIT is a well-known brand name in the German and European markets as a specialist in dispensing technology – mainly for diesel, fuel, oil, lubricants and AdBlue®.**

The TECALEMIT portfolio includes pumps, fluid handling products, fuel dispensing (including AdBlue®) along with other associated workshop equipment.

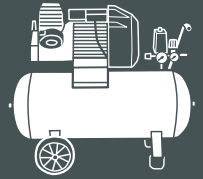
Ideal for diesel, gas oil, and radiator antifreeze for use in agriculture, industry, workshops, petrol stations and similar facilities.

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# SECTION 13

## Compressors & Workshop Equipment



- Nu-Air Piston Compressors
- Portable Piston Compressors
- Static Piston Compressors
- Oil Free Piston Compressors
- Low Noise Piston Compressors
- Fini Screw Compressors
- Bambi Silent Compressors
- Condensate Filtration
- Refrigeration Dryers
- Donaldson Membrane Dryers
- Air Receivers
- AeroPro Air Tools
- Paint Spray Guns
- Chicago Pneumatic Air Tools
- Lighting
- Tyre Inflation
- JWL Blow Guns
- Jamec Pem Blow Guns
- PCL Blow Guns
- Lechler Air Jets & Nozzles
- Silvent Blow Guns
- Vacuum Guns
- Brauer Air Movers
- Beck Air Knives & Amplifiers
- Vibtec Industrial Vibrators



Air Amplifiers, Beck	751-753	Membrane Dryers	702
Air Jets, JWJ	743	Mini Compressors	701
Air Jets, Kelm	744	Nu-Air Piston Compressors	695-698
Air Jets, Lechler	744	Paint Diaphragm Pumps	716
Air Knives, Beck	750-753	Paint Mixing Tanks	716
Air Knives, Silvent	745-746	Parker Legris Blow Guns	738
Air Movers, Brauer	749	Piston Compressors, Low Noise	698
Air Nozzles, Silvent	745-746	Piston Compressors, Oil Free	695
Air Receivers	703-707	Piston Compressors, Portable	695-696
Air Tools, Aeropro	708-714	Piston Compressors, Portable Belt Drive	696
Air Tools, Chicago Pneumatic	718-721	Piston Compressors, Static	697-698
Bambi Compressors	700	Pneumatic Power Tools, Aeropro	708-714
Blow Gun Accessories, Kelm	737	Pneumatic Power Tools, Chicago Pneumatic	718-721
Blow Guns, Air-Pro	736-738	Receiver Kits	707
Blow Guns, Jamec Pem	739	Refrigerated Dryers	702
Blow Guns, JWJ	741-743	Sandblasting Guns	734
Blow Guns, Kelm	735	Sodablasting Guns	733
Blow Guns, PCL	740	Spray Guns, Aeropro	717
Blow Guns, Silvent	745-746	Spray Guns, PCL	731-732
Blow/Vacuum Guns	747	Spraying Equipment, Aeropro	715-717
Cleaning Guns	734	Tool Balancers	723
Compressor Oil	703	Tool Balancers, Redashe	723
Cordless Tool Kits	721	Torches	724-725
Donaldson Dryers	702	Tyre Inflation Guns, Air-Pro	726-727
Drag-in Pump Kit	748	Tyre Inflation Guns, Jamec Pem	730
Electronic Drains	701	Tyre Inflation Guns, JWJ	727
Fini Screw Compressors	699	Tyre Inflation Guns, PCL	728-729
FSN High Efficiency Filters	702	Vacuum Guns	747
FSN Refrigerated Dryers	702	Vibrators	754
High Efficiency Filters	702	Vibtec Vibrators	754
Industrial Vibrators	754	Work Lamps	724-725

# COMPRESSORS



## Portable Direct Drive Oil Free - Traditional Series 1.1 to 1.5 kW



**SO1/6 HP 1.5 VENTO Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-A6BB304FPS534	1.1/1.5	6.7	8/115



**VENTO OM200/6 SILENCED Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-A2BB104NUA	1.1/1.5	4.1	8/116



**ROLL CAGE OM 195/6 Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-8213885FPS505	1.1/1.5	7.1	8/116



**SO2/24 & 50CM2 Piston Compressor**

0610	kW/HP	CFM	Bar/PSI	Capacity Litres
S-A3CC404FPS501	1.5/2	8.1	8/116	24
S-A3DV404FPS536	1.5/2	8.1	8/116	50

## Portable Direct Drive Oil Free - 110 Volt Series 1.1 kW



**ROLL CAGE OM195/6 - 110 V Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-8213885FPS566	1.1/1.5	7.1	8/116



**OM197/24 TECH - 110V Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-A8CA3C4FPS567	1.1/1.5	7.1	8/116

## Portable Direct Drive Lubricated - Traditional Series 1.1 to 2.2 kW



**ND2/24 & 50CM2 Piston Compressor**

0610	kW/HP	CFM	Bar/PSI	Capacity Litres
S-FCC404FPS502	1.5/2	7.4	8/116	24
S-FCDC404FPS503	1.5/2	7.4	8/116	50

## Portable Direct Drive Lubricated - Tech Series 1.5 to 1.8 kW



**F1-241/24 TECH Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-6SCA404FPS506	1.5/2	8.5	10/145



**F1-260/50 TECH Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-75DA4G4FPS507	1.8/2.5	9.2	10/145



**NDV/50CM3 Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-SXDL504FPS504	2.2/3	12.6	8/116





**Portable Belt Driven Lubricated - Tech Series 1.5 to 2.2 kW**

**NB2800B/50/2M TECH  
Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-28DA404FPS008	1.5/2	9	10/145


**NB2800B/50/3M TECH  
Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-28DA504FPS032	2.2/3	12.5	10/145


**N2800B/150/3M TECH  
Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-28HA504FPS051	2.2/3	12.5	10/145


**N2800B/50/2M TECH 110 Volt  
Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-28DA4C4FPS060	1.5/2	9	10/145


**NB2800B/100/3M TECH  
Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-28FA504FPS009	2.2/3	12.5	10/145



## Belt Driven Lubricated - Blue Star Series 1.5 to 7.5 kW



**NB28C/50 FM2 230 Volt Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-28DC404FPS039	1.5/2	9	10/145



**NB28C/100 FM3 230 Volt Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-28FN504FPS040	2.2/3	12.5	10/145



**NB38C/150 & 200 FM3 230 Volt Piston Compressors**

0610	kW/HP	CFM	Bar/PSI	Capacity Litres
S-36HN504FPS012	2.2/3	13.95	10/145	150
S-36LN504FPS014	2.2/3	13.95	10/145	200
S-36LN684FPS075	3/4	18	10/145	200



**NB38C/150 & 200 FT3 400 Volt Piston Compressors**

0610	kW/HP	CFM	Bar/PSI	Capacity Litres
S-36HN541FPS013	2.2/3	13.95	10/145	150
S-36LN541FPS015	2.2/3	13.95	10/145	200



**NB38/270 TDT Tandem 400 Volt Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-36NW541FPS037	2 x 2.2/3	27.9	10/145



**NB7/200 FT 5 400 Volt Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-N7LN701FPS044	4/5.5	24	10/145



**NB7/270 FT 7 400 Volt Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-N7NN801FPS018	5.5/7.5	29.7	10/145



**NB10/270 FT 10 400 Volt Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-N1NN905FPS019	7.5/10	38.1	10/145



**NB38/270 TD Tandem 230 Volt Piston Compressor**

0610	kW/HP	CFM	Bar/PSI
S-36NW505FPS038	2 x 2.2/3	27.9	10/145





## Belt Driven Vertical Series



### Vertical Series Piston Compressors

0610	Voltage	kW/HP	CFM	Bar/PSI	Capacity Litres
S-36HY504FPS068	230V	2.2 / 3	13.95	10 / 145	150
S-36HY541FPS069	400V	2.2 / 3	13.95	10 / 145	150
S-36HY684FPS074	230V	3/4	18	10 / 145	150
S-N5NY701FPS070	400V	4 / 5.5	22.9	11 / 160	270

## Direct Drive Silent Compressors



### ROLLCAGE 6L OL244 Silenced Compressor 230 Volt

0610	kW/HP	CFM	Bar/PSI	Capacity Litres	dB(A)
S-B4BA304FPS571	1.1 / 1.5	7.1	8 / 116	6	60



### PIONEER 10L OL244 Silenced Compressor 230 Volt

0610	kW/HP	CFM	Bar/PSI	Capacity Litres	dB(A)
S-B4PP304FPS573	1.1 / 1.5	7.1	8 / 116	10	62



### OL244/24 TECH SE Silenced Compressor 230 Volt

0610	kW/HP	CFM	Bar/PSI	Capacity Litres	dB(A)
S-B4CA304FPS572	1.1 / 1.5	7.1	8 / 116	24	62

## Belt Driven Lubricated Low Noise Series 1.5 to 7.5 kW



### Low Noise Portable Fully Enclosed Piston Compressors

0610	Voltage	kW/HP	CFM	Bar/PSI	Capacity Litres
S-28FR404FPS078	230V	1.5 / 2	9	10 / 145	100
S-28FR504FPS079	230V	2.2 / 3	11.6	10 / 145	100
S-28FR541FPS080	400V	2.2 / 3	11.6	10 / 145	100



### Low Noise Portable Piston Compressors

0610	Voltage	kW/HP	CFM	Bar/PSI	Capacity Litres
S-36FR504FPS076	230V	2.2 / 3	11.6	10 / 145	100
S-36FR541FPS077	400V	2.2 / 3	11.6	10 / 145	100



### Low Noise Receiver Mounted Piston Compressors

0610	Voltage	kW/HP	CFM	Bar/PSI	Capacity Litres
S-N5NT701FPS083	400V	4 / 5.5	22.6	11 / 160	270
S-N7NT801FPS084	400V	5.5 / 7.5	29.7	11 / 160	270
S-N1TT905FPS086	400V	7.5 / 10	43.4	11 / 160	500



### Low Noise Free Standing Piston Compressors

0610	Voltage	kW/HP	CFM	Bar/PSI
S-N5AT701FPS081	400V	4 / 5.5	22.6	11 / 160
S-N7AT801FPS082	400V	5.5 / 7.5	29.7	11 / 160
S-N1AT905FPS085	400V	7.5 / 10	43.4	11 / 160





## MICRO Fixed Speed Flexonic Belt Driven Screw Compressors 2.2 to 5.5 kW



### MICRO Series Receiver Mounted Screw Compressors

0620	Volt	kW/HP	CFM	Bar/PSI
F-V77JT60FNM501	230	2.2/3	10.2	10/145
F-V77JS72FNM701	400	3/4	15.2	8/116
F-V77JQ72FNM701	400	3/4	13.6	10
F-V77JR72FNM701	400	4/5.5	20.5	8/116
F-V77JP72FNM701	400	4/5.5	17.1	10/145
F-V91JW92FNM701	400	5.5/7.5	25.4	8/116
F-V91JO92FNM701	400	5.5/7.5	22.9	10/145



### MICRO Series Receiver Mounted c/w Dryer - Screw Compressors

0620	Volt	kW/HP	CFM	Bar/PSI
F-V77JT60FNM601	230	2.2/3	10.2	10/145
F-V77JS72FNM801	400	3/4	15.2	8/116
F-V77JQ72FNM801	400	3/4	13.6	10/145
F-V77JR72FNM801	400	4/5.5	20.5	8/116
F-V77JP72FNM801	400	4/5.5	17.1	10/145
F-V91JW92FNM801	400	5.5/7.5	25.4	8/116
F-V91JO92FNM801	400	5.5/7.5	22.9	10/145

## FINI PLUS Fixed Speed Flexonic Belt Driven Screw Compressors 7.5 to 15 kW



### FINI PLUS Series Receiver Mounted Screw Compressors

0620	Capacity Litres	kW/HP	CFM	Bar/PSI
F-V91NG92FNM701	270	7.5/10	44.1	8/116
F-V91NH92FNM701	270	7.5/10	35.3	10/145
F-V91NL92FNM701	270	11/15	58.2	8/116
F-V91NM92FNM701	270	11/15	53	10/145
F-V83NP92FNM701	500	15/20	75.9	8/116
F-V83NQ92FNM701	500	15/20	65.3	10/145



### FINI PLUS Series Receiver Mounted c/w Dryer - Screw Compressors

0620	Capacity Litres	kW/HP	CFM	Bar/PSI
F-V91NG92FNM801	270	7.5/10	44.1	8/116
F-V91NH92FNM801	270	7.5/10	35.3	10/145
F-V91NL92FNM801	270	11/15	58.2	8/116
F-V91NM92FNM801	270	11/15	53	10/145
F-V83NP92FNM801	500	15/20	83	8/116
F-V83NQ92FNM801	500	15/20	72.4	10/145



## Bambi Compressors



Silent Air Compressor, 9 Litre Tank

0630	Litres per Minute	Pressure Bar	Voltage
<b>BB8</b>	50	8	240/50



Silent Air Compressor, 24 Litre Tank

0630	Litres per Minute	Pressure Bar	Voltage
<b>BB24</b>	50	8	240/50



Silent Air Compressor, 15 Litre Tank

0630	Litres per Minute	Pressure Bar	Voltage
<b>BB15</b>	50	8	240/50



Silent Air Compressor, 50 Litre Tank

0630	Litres per Minute	Pressure Bar	Voltage
<b>BB50D</b>	100	8	240/50



Silent Air Wheel Kit (BB24 &amp; BB50)

0630	Description
<b>BPB0157</b>	Wheel Kit suits BB24 & BB50D





## Mini Compressors 12 Volt



### Digital Air Compressor, 12 Volt

0600	Description
C30B	12V Digital Air Compressor



### 12V Compressor Kit, High Speed

0600	Description
COMP.12KITH	High Speed Compressor Kit

## Titan Electronic Drains



### Titan Electronic Timer Drain, G1/2"

0600	Voltage
TVR-C-15	240V
TVR-C-15-110VAC	110V AC
TVR-C-15-24VAC	24V AC
TVR-C-15-24VDC	24V DC



### Titan Electronic 30 bar Timer Drain, G1/2"

0600	Voltage
TVR-G-15	240V



### Titan TVR Alternative Voltage Coils

0600	Voltage
0200D-24VAC	24V AC
0200D-24VDC	24V DC
0200D-110VAC	110V AC



### Reducing Male/Female Bushes

0600	BSPP Male	BSPP Female
MFBPA08/04NP	1/2"	1/4"
MFBPA08/06NP	1/2"	3/8"







Refrigerated Dryers & Filters 600 - 150000 L/min



Pre-filters (1 Micron)

0640	CFM	G	DxH mm	Element Code
PM05	15	1/4"	100x220	F-9058227
PM10	30	3/8"	100x220	F-9058228
PM18	59	1/2"	100x250	F-9058229
PM30	88	3/4"	120x290	F-9058230
PM34	118	3/4"	120x360	F-9058231
PM50	176	1.1/4"	120x450	F-9058232
PM72	294	1.1/4"	120x480	F-9058233



Final Filters (0.01 Micron)

0640	CFM	G	DxH mm
HM05	15	1/4"	100x220
HM10	30	3/8"	100x220
HM18	59	1/2"	100x250
HM30	88	3/4"	120x290
HM34	118	3/4"	120x360
HM50	176	1.1/4"	120x450
HM72	294	1.1/4"	120x480



Refrigerated Dryers

0640	Gas	CFM	Bar	G
RD6.A	R134a	21	16	1/2"
RD9.A	R134a	34	16	1/2"
RD12.A	R134a	42	16	1/2"
RD18.A	R134a	64	16	1/2"
RD25.A	R134a	88	14	1"
RD32.A	R134a	113	14	1.1/4"
RD43.A	R407c	152	14	1.1/4"
RD52.A	R407c	184	14	1.1/4"
RD63.A	R407c	222	14	1.1/2"
RD80.A	R407c	283	14	1.1/2"

Donaldson Membrane Dryers



Donaldson VarioDry Membrane Dryers

0640	m <sup>3</sup> /h-(CFM) Inlet	m <sup>3</sup> /h-(CFM) Outlet	Connection
SPN0003	3.0 (1.77)	2.7 (1.60)	G 1/4"
SPN0006	6.0 (3.53)	5.5 (3.24)	G 1/4"
SPN0009	9.0 (5.30)	8.1 (4.80)	G 1/4"
SPN0012	12.0 (7.10)	10.8 (6.40)	G 1/4"
SPN0018	18.0 (10.62)	16.2 (9.50)	G 1/2"
SPN0024	24.0 (14.12)	21.6 (12.71)	G 1/2"
SPN0036	36.0 (21.19)	32.4 (19.07)	G 1/2"
SPN0048	48.0 (28.25)	43.2 (25.43)	G 1/2"
SPN0063	63.0 (37.08)	56.7 (33.37)	G 1/2"



Donaldson Are Leaders in Air and Process Filtration, Dryers and Condensate Management.

We have access to all of their ranges and we can provide the expertise to advise you.

Call Us, With Your Requirements





# AIR RECEIVERS

## Reservoir Tanks



### 1/2" Inlet/Outlet Reservoir Tanks

0088	Litres	Height mm	Ø mm
7710061	2.5	166	160
7710062	5	175	210
7710063	7	240	210
7710064	12	365	229

Tech Sheet 808

## Long Life Compressor Oil

ISO 46 low carbon formation characteristics. Suitable for screw, reciprocating, axial flow and rotary vane compressors.



0085	Litres
2020-6025	5

Tech Sheet 1382

# LORCH

For **Pressure Relief Valves**  
see **Section 10**

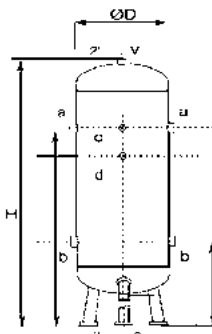




## Vertical

PED Compliant

a+b = outlets  
 c-d = service connectors  
 v = safety valve  
 s = discharge



More sizes available. Up to 10,000 litre capacity

## BSPP

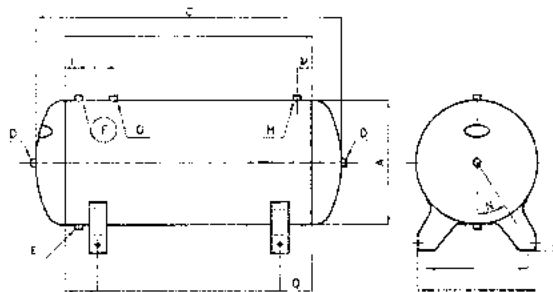
9201	Capacity Litres	Pressure Bar	Ø mm	Total Height mm	Thread A + B
ARV100	100	11	300	1166	G3/4"
ARV150	150	11	400	1363	G1"
ARV200	200	11	430	1605	G3/4"
ARV200G*	200	11	430	1605	G3/4"
ARV270	270	11	500	1695	G3/4"
ARV270G*	270	11	500	1695	G3/4"
ARV500	500	11	600	2095	G1.1/2"
ARV500G*	500	11	600	2095	G1.1/2"
ARV725	725	10.8	790	1860	G1.1/2"
ARV725G*	725	10.8	790	1860	G1.1/2"
ARV900	900	11	790	2210	G2"
ARV900G*	900	11	790	2210	G2"
ARV1000	1000	11	790	2345	G2"
ARV1000G*	1000	11	790	2345	G2"
ARV1500	1500	11	950	2410	G2"
ARV1500G*	1500	11	950	2410	G2"
ARV2000	2000	11	1000	2800	G2"
ARV2000G*	2000	11	1000	2800	G2"

\*Galvanised.



\*Galvanised.

## Horizontal



## Dimensions

A	C	D	E	F	G	H	M
240	556	1/2"	3/8"	3/8"	-	-	-
280	868	1/2"	3/8"	3/8"	3/4"	-	-
350	1092	1/2"	3/8"	3/8"	3/4"	1/2"	60
490	1458	1/2"	3/8"	3/8"	1"	1/2"	0

## BSPP

9201	Capacity Litres
ARH25	24
ARH50	50
ARH100	100
ARH270	270

Note: Air receivers not supplied with fittings kit. Please contact your Account Manager.



# AIR RECEIVERS

## Mini Air Receivers



### PED Compliant, 4 Ports

9098	Capacity Litres	Ø mm	Length mm	Thread BSPP
2SBCV4	2.5	160	175	1/2"
5SBCV4	5	210	195	1/2"
7SBCV4	7	210	260	1/2"
12SBCV4	12	229	365	1/2"

## Mini Air Receivers, Stainless Steel



### PED Compliant, 4 Ports

9098	Capacity Litres	Ports on End	Ports on Body
5SBCX4	5	3/8"	3/8"
10SBCX4	10	1"	3/8"
24SBCX4	24	1"	3/8"

Note: Standard version is unpolished. Polished versions available on request.

## Mini Air Receivers, Accessories



### Brackets & Adaptors

0088	Description
STAFFA	Steel Bracket
STAFFA-X	Stainless Steel Bracket
MFAP1212	G1/2" Male/Female Bracket Adaptor



For Pressure Relief Valves  
see Section 10



# AIR RECEIVERS & ACCESSORIES



**Installation:** always in combination with a full receiver kit, water drain and safety relief valve. Ensure the compressor never takes in air/solvent mix. This could cause the tank to explode.

The air receiver or tank allows the storage and control of compressed air. A device on most compressors maintains pressure at a predetermined pressure range, allowing the compressor to operate automatically as the air is used, switching on and off accordingly. The air receiver must also be fitted with a safety device to prevent over pressurisation, a means of draining condensate and various outlet sockets. The size of air receiver (usually measured in litres) will normally be proportional to the size or capacity of air compressor fitted.

**Material:** carbon steel

**Finishing:** external RAL 5015 blue paint

**Fluid content:** compressed air and nitrogen (group 2)

All air receivers for the European market are supplied with a declaration of conformity

In compliance with the applicable EU Directives or according to the major international standards:

SPVD 2014/29/UE Directive (ex 2009/105/EC)

PED 2014/68/UE Directive (ex 97/23/EC)

ABS American Bureau of Shipping

DNV Det Norske Veritas

B.V. Bureau Veritas

LRS Lloyd's Register of Naval Ship

GL Germanischer Lloyd

**Available upon request:**

- Internal and external hot dip galvanization
- 16 bar rated
- Alternative port sizes

**Vessel options include:**

- Stainless steel vessels
- Pressurised water vessels
- High pressure vessels
- Vacuum vessels
- Oxygen vessels
- Oversized vessels

Additional carriage charges will apply to this product and will vary dependant on location. This overrides any other carriage agreements. For further details please contact us.



**Ensure the compressor never takes in air/solvent mix. This could cause the tank to explode.**

**Working Temperature:**

- 11 bar versions: 10°C to +100°C
- 12 bar versions: 10°C to +50°C



**Maximum Working Pressure:**

- 11 bar SPVD 2014/29/UE
- 12 bar PED 2014/68/UE



## Horizontal with Fixing Bracket



### BSPP Ported, RAL 5015

0458	Litres	Max Pressure Bar	Kg
VEC01294	5	11	7
VEC01249	10	11	8
VEC01237	15	11	9
VEC01250	24	11	10
VEC01251	50	11	19
VEC00633	100	11	29
VEC00634	150	11	44
VEC00635	200	11	55
VEC00474	270	11	67
VEC00728	500	11	130
VEC00873*	720	11	178
VEC00707*	900	11	194
VEC00515*	1000	12	210
VEC00739*	1500	12	325
VEC00680*	2000	12	394
VEC00534*	3000	12	605

Tech Sheet 20570

## Vertical with Fixing Bracket



### BSPP Ported, RAL 5015

0458	Litres	Max Pressure Bar	Kg
VEC01295	24	11	10
VEC01296	50	11	19
VEC00644	100	11	29
VEC00709	150	11	44
VEC00645	200	11	55
VEC00478	270	11	67
VEC00493	500	11	115
VEC00511*	900	11	194
VEC00518*	1000	12	210
VEC00525*	1500	12	320
VEC00528*	2000	12	388
VEC00535*	3000	12	594

Tech Sheet 20570



\*Direct delivery, to Mainland UK only, on any air receiver above 500 litres. Please contact your Account Manager.



# AIR RECEIVERS & ACCESSORIES

## Vertical with Fixing Bracket

**Installation:** always in combination with a full receiver kit, water drain and safety relief valve. Ensure the compressor never takes in air/solvent mix. This could cause the tank to explode.

Additional carriage charges will apply to this product and will vary dependant on location. This overrides any other carriage agreements. For further details please contact us.

**Working Temperature:**  
11 bar versions: 10°C to +100°C  
12 bar versions: 10°C to +50°C

**Maximum Working Pressure:**  
11 bar SPVD 2014/29/UE  
12 bar PED 2014/68/UE



Ensure the compressor never takes in air/solvent mix. This could cause the tank to explode.



### BSPP Ported, Galvanised

0458	Litres	Max Pressure Bar	Weight Kg
VEC00901	100	11	32
VEC00908	200	11	57
VEC00909	270	11	70
VEC00906	500	11	119
VEC00907	720	11	181
VEC00512	900	11	198
VEC00519	1000	12	214
VEC00529	2000	12	394
VEC00536	3000	12	600

Tech Sheet 60120

## Receiver Kits

For illustration purposes only, each kit contains different components based on the specific connections of each air receiver



Each kit to suit vertical air receivers contains a mechanical float condensate drain (50 litre onwards), safety relief valve, ball valve, gauge and connection materials

### To suit Vertical Air Receivers, RAL 5015

0085	To Suit Type	To Suit Litres
AVK-24B	VEC01295	24
AVK-50B	VEC01296	50
AVK-100B	VEC00644	100
AVK-150B	VEC00709	50
AVK-200B	VEC00645	200
AVK-270B	VEC00478	270
AVK-500B	VEC00493	500
AVK-720B	VEC00507	720
AVK-900B	VEC00511	900
AVK-1000B	VEC00518	1000
AVK-1500B	VEC00525	1500
AVK-2000B	VEC00528	2000
AVK-3000B	VEC00535	3000

### To suit Vertical Air Receivers, Galvanised

0085	To Suit Type	To Suit Litres
AVK-100G	VEC00901	100
AVK-200G	VEC00908	200
AVK-270G	VEC00909	270
AVK-500G	VEC00906	500
AVK-720G	VEC00907	720
AVK-900G	VEC00512	900
AVK-1000G	VEC00519	1000
AVK-2000G	VEC00529	2000
AVK-3000G	VEC00536	3000

Each kit to suit horizontal air receivers contains a drain valve, safety relief valve, ball valve, gauge and connection materials

### To suit Horizontal Air Receivers, RAL 5015

0085	To Suit Type	To Suit Litres
AHK-5B	VEC01294	5
AHK-10B	VEC01249	10
AHK-15B	VEC01237	15
AHK-24B	VEC01250	24
AHK-50B	VEC01251	50
AHK-100B	VEC00633	100
AHK-150B	VEC00634	150
AHK-200B	VEC00635	200
AHK-270B	VEC00474	270
AHK-500B	VEC00728	500
AHK-720B	VEC00873	720
AHK-900B	VEC00707	900
AHK-1000B	VEC00515	1000
AHK-1500B	VEC00739	1500
AHK-2000B	VEC00680	2000
AHK-3000B	VEC00534	3000



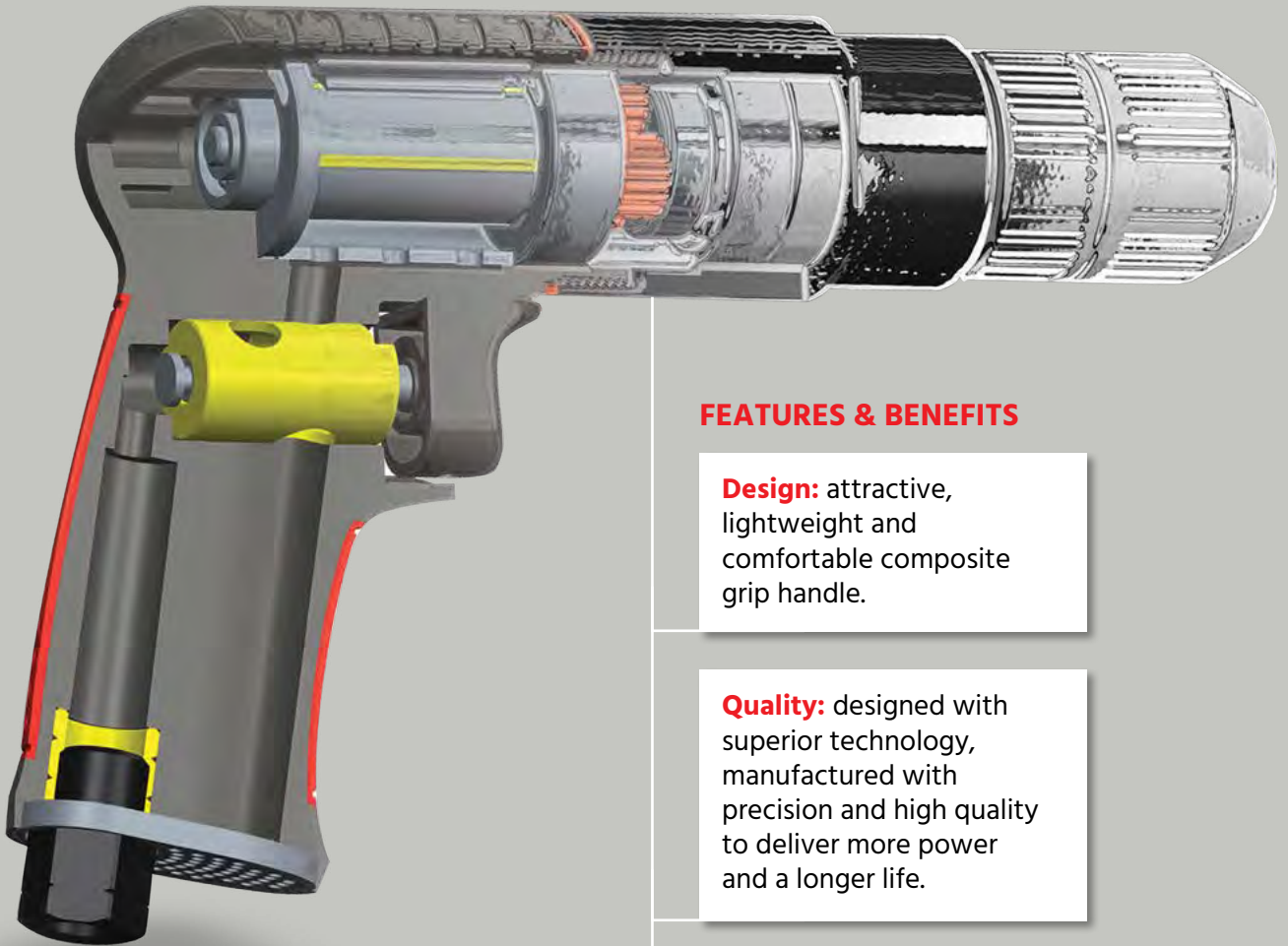
\*Direct delivery, to Mainland UK only, on any air receiver above 500 litres. Please contact your Account Manager.





# AEROPRO

ENGINEERED FOR PROFESSIONALS



## FEATURES & BENEFITS

**Design:** attractive, lightweight and comfortable composite grip handle.

**Quality:** designed with superior technology, manufactured with precision and high quality to deliver more power and a longer life.

**Robust:** heat treated components for increased durability, fully hardened planetary gears and reduced friction for extended tool productivity.

**Warranty:** 12 months manufacturer's warranty.

# PNEUMATIC POWER TOOLS

## **SAFETY TIPS:**

**A few tips to increase safety awareness and help avoid accident and injury in the workplace.**

(These are not a substitute to the AEROPRO safety/instruction manuals.)



### **VISUAL INSPECTION PRIOR TO USE**

Conduct a visual check of the tool, including hoses and fittings for signs of damage/excess wear or defect parts. Ensure tool is fully oiled.

### **USE THE CORRECT ACCESSORIES**

Always use recommended accessories with **AEROPRO** tools, e.g. never use hand sockets with impact wrenches. Always disconnect air supply prior to changing an accessory.

### **SAFETY WEAR**

Always adhere to workplace safety workwear regulations. In addition when operating equipment always wear goggles and ear plugs as well as gloves, apron, helmet and dust mask when required. When working with materials that may produce harmful airborne particles, use other equipment such as dust extractors to control exposure.

### **Pneumatic Power Tool Accessories**



### **MAINTAIN A SAFE WORKING AREA**

Make other people aware of your working area and ensure they are kept at a safe distance. Manage your floor space keeping it free of trip hazards, trailing hoses, etc. Direct exhaust gases away from yourself and others, do not use in explosive atmospheres and always keep away from electrical wiring.

## Ratchet Wrenches

- Designed with superior technology and manufactured with precision and high quality to deliver more power and a longer life
- Ball bearing mounted air motor produces enough power for most requirements
- Fully hardened planetary gears reduce friction for extended tool productivity
- Comfortable composite grip handle
- Ball socket retainer provides fast and easy socket replacement
- Heat treated components for increased durability
- Lightweight aluminium body
- Compact head design allows flexibility in tight areas
- Forward/reverse lever located behind the ratchet head for quick change of direction
- Side exhaust
- Recommended air pressure: 90 PSI



Model No.	Square Drive	Capacity Bolt Size		Free Speed RPM	Working Torque		Overall Length		Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight	
		Imp	Met mm		Ft-Lb	N.m	In	mm			cfm	l/min	Lbs	Kgs
AP17411	3/8"	1/2	13	160	50	68	10.8	275	1/4"	3/8"	3	85.5	2.5	1.15

### 3/8" Square Drive

0373

AP17411-3/8

Tech Sheet 10236



Model No.	Square Drive	Capacity Bolt Size		Free Speed RPM	Working Torque		Overall Length		Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight	
		Imp	Met mm		Ft-Lb	N.m	In	mm			cfm	l/min	Lbs	Kgs
AP17411	1/2"	1/2"	13	160	50	68	10	254	1/4"	3/8"	2.7	77	2.4	1.1

### 1/2" Square Drive

0373

AP17411-1/2

Tech Sheet 10236

## Air Impact Wrenches

- Twin hammer mechanism has two identical hammers that deliver an instantaneous balanced blow, reducing vibration and transferring more torque to the drive than any other mechanism on the market
- Provides more power and smooth balanced blows
- Screened filter air inlet keeps dirt and debris from damaging the tool
- Rear exhaust
- Recommended air pressure: 90 PSI



Model No.	Square Drive	Capacity Bolt Size		Free Speed RPM	Working Torque		Overall Length		Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight	
		Imp	Met mm		Ft-Lb	N.m	In	mm			cfm	l/min	Lbs	Kgs
AP7451	1/2"	5/8"	16	7,500	450	610	7.48	190	1/4"	3/8"	6.5	183.9	4.2	1.9

### 1/2" Square Drive

0373

AP7451

Tech Sheet 10235

Colour may vary.



Model No.	Square Drive	Capacity Bolt Size		Free Speed RPM	Working Torque		Overall Length		Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight	
		Imp	Met mm		Ft-Lb	N.m	In	mm			cfm	l/min	Lbs	Kgs
AP7460	3/4"	1"	25	7000	1000	1355	8.2	208	3/8"	1/2"	9.5	269	6.6	3.0

### 3/4" Square Drive

0373

AP7460

Tech Sheet 10237



## Air Impact Wrench Kit

- Twin hammer mechanism has two identical hammers that deliver an instantaneous balanced blow, reducing vibration and transferring more torque to the drive than any other mechanism on the market
- Provides more power and smooth balanced blows
- Screened filter air inlet keeps dirt and debris from damaging the tool
- Rear exhaust
- Recommended air pressure: 90 PSI

### Contents:

- 1 x AP17407 1/2" impact wrench
- 10 x impact sockets (9, 10, 11, 13, 14, 17, 19, 22, 24, 27mm)
- 1 x 5" extension bar
- 1 x oil pot
- 1 x hex wrench
- 1 x mini oiler
- 1 x nipple
- 1 x blow moulded case



Model No.	Square Drive	Capacity Bolt Size		Free Speed RPM	Working Torque		Overall Length		Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight	
		Imp	Met mm		Ft-Lb	N.m	In	mm			cfm	l/min	Lbs	Kgs
AP17407	1/2"	5/8"	16	7,500	450	610	7.30	187.4	1/4"	3/8"	6.5	183.5	4.9	2.26

## 1/2" Square Drive, 17 Piece Kit

0373  
AP17808

Tech Sheet 10238

## Air Impact Wrench

- Ergonomic design handle, central gravity for steady control
- Alloy steel strike structure, strong, anti-fatigue, long life and excellent torque/weight ratios
- 45° air inlet design to decrease hose twisting
- Extended drive shaft for easy accessibility to concave restricted access
- Four speed forward and reverse setting



Model No.	Square Drive	Capacity Bolt Size		Free Speed RPM	Working Torque		Overall Length		Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight		Suggested Air Comp
		Imp	Met mm		Ft-Lb	N.m	Imp	Met mm			cfm	l/min	Lbs	Kgs	
AP7495	1"	2"	50	2800	2500	3480	25.4	644	1/2"	5/8"	43	1225	41.6	18.9	5 HP

## 1" Square Drive

0373  
AP7495

Tech Sheet 20217



You might also need  
**Flexible Lightweight  
PVC Hose** see **Section 7**



You might also need  
**TITAN FRLs**  
see **Section 11**



**PCL Couplings**  
see **Section 1**



## Straight Grip Drill

- For applications where a compact and low profile tool is required
- Precision machined gearing ensures maximum power transfer and durability
- Lightweight – helps prevent fatigue during prolonged use
- Ideal for confined spaces
- Recommended air pressure: 90 PSI



Model No.	Chuck Size	Free Speed RPM	Air Inlet	Air Hose (ID)	Overall Length		Average Air Consumption		Net Weight	
					In	mm	cfm	l/min	Lbs	Kgs
AP17111	3/8"	2,600	1/4"	3/8"	8.8	225	4.0	115	1.87	0.85

### 3/8" Keyed Chuck

0373

AP17111

Tech Sheet 10239

## Air Impact Hammer

- Ergonomic grip for comfort and stability
- Heat treated impact parts for enhanced durability
- Positive action trigger and built-in air regulator for simple power and speed control
- Screened filter air inlet to keep dirt and debris from damaging the tool
- Standard quick change spring for speed and ease of chisel change
- Front exhaust
- Recommended air pressure: 90 PSI
- 4 piece chisel set included



Model No.	Chisel Shank mm	Blows per min	Air Inlet	Air Hose (ID)	Overall Length		Average Air Consumption		Net Weight	
					In	mm	cfm	l/min	Lbs	Kgs
AP17621	10.2	4,500	1/4"	3/8"	6.10	155	2.8	79.8	2.65	1.2

### Heavy-duty

0373

AP17621

Tech Sheet 10242

## Air Impact Screwdriver

- Durable aluminium housing
- Quick change chuck uses 1/4" hex bits
- Suitable for 5mm screws maximum
- Recommended air pressure: 90 PSI (6.3 bar)



Model No.	Square Drive	Capacity Bolt Size		Free Speed RPM	Working Torque		Overall Length		Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight		Suggested Air Comp
		Imp	Met mm		Ft-Lb	N.m	Imp	Met mm			cfm	l/min	Lbs	Kgs	
AP7225	1/4"	2"	50	11000	33	45	6.9	176	1/4"	1/4"	2.6	74	1.83	0.76	2 HP

### 1/4" Square Drive

0373

AP7225

Tech Sheet 20218

## Pistol Grip Reversible Drill

- Suited to compact low profile applications
- Variable speed throttle for easy starts
- Precision machined gearing ensures maximum power transfer and durability
- Convenient one hand push button (forward/reverse)
- Lightweight – helps avoid fatigue during prolonged use
- Quiet operation with rear exhaust directs air away from workplace
- Ball bearing construction
- Recommended air pressure: 90 PSI



Model No.	Chuck Size	Free Speed RPM	Air Inlet	Air Hose (ID)	Overall Length		Average Air Consumption		Net Weight	
					In	mm	cfm	l/min	Lbs	Kgs
AP17101	3/8"	1,800	1/4"	3/8"	7	180	3.7	104	1.98	0.9

### 3/8" Keyed Chuck

0373

AP17101

Tech Sheet 10240



Model No.	Chuck Size	Free Speed RPM	Air Inlet	Air Hose (ID)	Overall Length		Average Air Consumption		Net Weight	
					In	mm	cfm	l/min	Lbs	Kgs
AP17107	1/2"	700	1/4"	3/8"	7.68	195	4	115	1.18	1.19

### 1/2" Keyed Chuck

0373

AP17107

Tech Sheet 10241

## 2 in 1 Air Nailer & Stapler

- Strong and lightweight aluminium die-casting gun body
- Multidirectional exhaust port directs air away from the operator and work surface
- Hardened one piece drive blade for professional application
- Teflon O-ring to protect the piston from wearing
- Tool free depth-of-drive adjustment for exact setting of nail head
- Adjustable knob for either sequential or contact firing
- Designed for Ga18 style nails and staples up to 50mm in length
- Includes nailer, wrenches, oil, operating manual and rugged carrying case



Model No.	Dimensions (mm)	Required Pressure		Max Pressure		Nail Capacity	Weight	
		PSI	Bar	PSI	Bar		lbs	kgs
APSF5040RC	283x256x60	70-110	4.8-7.5	120	8.3	100 Pcs	3.52	1.6

0373

APSF5040RC

Tech Sheet 20219





## Die Grinder

- Lightweight aluminium body
- Safety lever prevents accidental starts
- Rear exhaust
- Can be used with all types of accessories for porting, weld breaking and smoothing sharp edges, as well as deburring, polishing and grinding
- Recommended air pressure: 90 PSI



Model No.	Grinder Cap	Free Speed RPM	Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight	
					cfm	l/min	Lbs	Kgs
AP17313	1/4"	20,000	1/4"	3/8"	3	86.25	0.70	0.32

## Straight, 1/4"

0373

AP17313

Tech Sheet 10243

- Angle head provides easy access into confined space
- Lightweight aluminium body
- Safety lever prevents accidental starts
- Rear exhaust
- Can be used with accessories for porting, weld breaking and smoothing sharp edges, as well as deburring, polishing and grinding
- Recommended air pressure: 90 PSI



Model No.	Grinder Cap	Free Speed RPM	Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight	
					cfm	l/min	Lbs	Kgs
AP17315	1/4"	20,000	1/4"	3/8"	2.2	62	0.99	0.45

## Angled, 1/4"

0373

AP17315

Tech Sheet 10244

## Angle Die Grinder Kit

- Angled head provides easy access into confined spaces
- Lightweight aluminium body
- Safety lever prevents accidental starts
- Rear exhaust
- Can be used with all types of accessories for porting, weld breaking and smoothing sharp edges as well as deburring, polishing and grinding
- Recommended air pressure: 90 PSI

### Kit contains:

- 1 x angle die grinder (AP17315)
- 1 x collet
- 2 x hand wrenches
- 1 x blow case
- 10 x grinding stones



Model No.	Grinder Cap	Free Speed RPM	Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight	
					cfm	l/min	Lbs	Kgs
AP17315	1/4"	20,000	1/4"	3/8"	2.2	62	0.99	0.45

## 16 Piece Kit

0373

AP17803-A

Tech Sheet 20220

## 4" Angle Grinder

- Built-in regulator to control speed
- Planetary gearing balances load on bearings and gears for greater power
- Side exhaust
- Recommended air pressure: 90 PSI



Model No.	Sanding Pad		Free Speed RPM	Air Inlet	Air Hose (ID)	Average Air Consumption		Net Weight	
	In	mm				cfm	l/min	Lbs	Kgs
AP7319	4"	100	10,000	1/4"	3/8"	5	140	2.86	1.3

## Heavy-duty

0373

AP7319

Tech Sheet 10245

## Basic Air Tool Kit

### Kit contains:

- Paint spray gun
- Blow gun
- Tyre inflation gun
- Wash gun
- 5mm recoil air hose



## 5 Piece Set

0373

AP8031K5G

Tech Sheet 20753

## Air Multifunction Tool

- Multifunction polishing and cutting tool
  - Lightweight to help prevent fatigue during prolonged use
  - Versatile multi-position blade mounting
  - Ergonomic design
  - Variable speed throttle for easy start
- Kit contains:**
- Air powered polishing/cutting tool
  - 3.1/2" half moon blade
  - 2.1/2" half moon diamond grinding disc
  - 2" rigid scraper
  - 2" rigid flush scraper
  - 1-1/2", 3/4" and 3/8" flush cut blades
  - 3" triangular sanding pad
  - 12 piece sandpaper, 60/80/100/120 grit

Model No.	Max Swing Angle	Swing Frequency	Air Inlet	Air Hose (ID)	Overall Length		Average Air Consumption		Net Weight	
					Imp	Met mm	cfm	l/min	Lbs	Kgs
AP7636	2.8"	16000	1/4"	3/8"	8.5	217	4.5	128	1.87	0.853



## 21 Piece Kit

0373

AP7636

Tech Sheet 20221





## 1/2" Impact Socket Set

- Contains hexagon sizes: 11, 12, 13, 14, 16, 17, 19, 21, 22 and 24mm
- Hardened steel for robust use
- Moulded case for safe storage



## Metric, 10 Piece Set

0373  
AP7006

- Contains hexagon sizes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" and 1"
- Hardened steel for robust use
- Steel case for safe storage



## Imperial, 11 Piece Set

0373  
AP7007

## 7" Chisel Ki

### Kit contains:

- Flat chisel
- Tapered punch chisel
- V chisel
- Claw chisel



## 4 Piece Kit, suitable for AP17621

0373  
AP7002-7

## Replacement Keyless Chuck



### 3/8" & 1/2"

0373	To Suit
APKLC38	3/8"
APKLC12	1/2"

## Chisel Spring Retainer

To suit AP17621.



## Replacement Spring

0373  
AP7001

## Airline Oil

High quality mineral oil with excellent lubricating properties for machine and power tools.

Due to restrictions imposed by the Transport of Dangerous Goods Act, this product is available for delivery to **MAINLAND UK ONLY**. For further information please contact our customer service department.



## Airline Lubricant

0088	Litres
2020-6009	5

Tech Sheet 1224



## Industrial Airless Paint Sprayer

- PC control system can show the working condition of the machine clearly
- Ergonomic design makes it easy to transport
- Long performance motor designed for industrial use

### Includes:

- 1 x AP818C (airless spray gun)
- 1 x AP8648-15M (15m high pressure paint spraying hose assembly)



Model No.	Voltage	Motor Size	Max Pressure	Standard Nozzle	Discharge Connection	Flow rate L/min	Nett Weight Kg
AP488	220V/50Hz	1.2HP	230 bar	0.017"	1/4"	2.1	16.5

### Brushless Motor

0373	AP488
Tech Sheet 20222	

## Airless Spray Gun

- In-handle paint filter reduces tip clogs and improves finish
- Well balanced and lightweight
- Full trigger (four-finger) locks open for flushing and cleaning
- Ergonomic design and easy trigger pivot to reduce operator fatigue



Model No.	Nozzle Size (AP517)		Pattern Width mm	Paint Capacity mm	Type of Feed	Working Pressure (bar)	Paint Inlet Connection	
	Fan Width	Orifice Size					In	Npsm
AP818C	0.017	0.517	254-305	300	Pressure	248	1/4"	18

### Four-finger Trigger

0373	AP818C
Tech Sheet 20223	

Interchangeable with Titan Graco sprayer.



### Airless Spray Gun Switch Tips

0373	Orifice mm	Fan Width
AP313	0.33	152-203
AP413	0.33	203-254
AP415	0.38	203-254
AP515	0.38	254-305
AP517	0.43	254-305

Tech Sheet 20224



### Extension Nozzles

0373	Length mm
AP8641-1	450
AP8641-4	1000



## Air Powered Diaphragm Pumps

- Ideal pump for regular paint, PU paint, UV special paint, etc
- Suction feed spray gun for highly efficient paint work
- Lightweight for easy operation
- Suitable for many corrosive liquids and viscous, volatile and inflammable liquids



Model No.	Air Inlet	Paint Inlet	Paint Outlet	Capacity (ml)	Weight (Kg)	Operating Pressure (bar)	Air Consumption (m <sup>3</sup> /h)	Flow Rate (Lph)	Pressure Ratio
AP8411	1/4"	3/8"	1/4"	450	7.6kg	3.5-5	2.4-3.6	400-450	1:1

0373

AP8411

Tech Sheet 20226

Widely used in paint spraying, chemical, ceramics, biotechnology, medical and food industries.



Model No.	Air Inlet	Paint Inlet	Paint Outlet	Capacity (ml)	Weight (Kg)	Operating Pressure (bar)	Air Consumption (m <sup>3</sup> /h)	Flow Rate (Lph)	Pressure Ratio
APA-15	1/4"	3/8"	1/4"	400	7	2-7	10	1080	1:1

0373

APA-15

Tech Sheet 20227

- Diaphragm life up to 18 million cycles
- Patented commutator construction
- 100% transmission efficiency
- Available for 4-6 spray guns simultaneously
- Suitable for conveyance fluid and paint spraying
- Unique air circulation structure which provides stall-free life cycle



Model No.	Air Inlet	Paint Inlet	Paint Outlet	Capacity (ml)	Weight (Kg)	Operating Pressure (bar)	Air Consumption (m <sup>3</sup> /h)	Flow Rate (Lph)	Pressure Ratio
APA-25	1/4"	3/4"	3/4"	-	4.5	2-7	40	3060	1:1

0373

APA-25

Tech Sheet 20228

## Paint Mixing Tanks

- Used for premixed paint, excellent for larger spray areas
- Compact portable design quick release catches for paint tank
- 3m twin hose set permits easy movement
- Fluid pressure regulator included for accurate setting
- Includes pressure spray gun with 2mm nozzle



Model No.	Capacity (L)	Operating Pressure		Paint Outlet	Mixing Type
		psi	bar		
APR8312	10	20-30	1.4-2.1	1/4"	-

## 10L Paint Tank with Hose & Spray Gun

0373

APR8312

Tech Sheet 20543

- Air powered mixing system premixed paint not needed
- Compact portable design
- Quick release catches for mixing tank
- Includes fluid pressure regulator for accurate setting
- Four caster wheels for easy movement



Model No.	Capacity (L)	Operating Pressure		Paint Outlet	Mixing Type
		psi	bar		
APR8318A	10	20-30	1.4-2.1	1/4"	Automatic

## 10L Automatic Mixing Tank

0373

APR8318A

Tech Sheet 20542



## HVLP

High volume, low pressure (HVLP) spray guns are designed similar to conventional spray guns, the only difference being that unlike conventional spray guns, which operate under high pressure, HVLP spray guns operate at a much lower pressure.

- Offers a more accurate way of spray painting, with less chance of overspray
- Produces a more thick and consistent quality of paint finish
- Less pollution compared to conventional spray guns
- Consumes less materials down to minimising overspray

## LVLP

Low volume, low pressure (LVLP) spray guns are designed to work similar to the HVLP guns but to consume less air than the HVLP and used mainly in more intricate spraying on smaller areas. Used in auto painting and spraying of furniture, etc.

- More intricate spraying
- Low volume of air is utilised to finely atomize paint creating a very smooth finish
- Increased prevention of overspray and material wastage

## Spray Guns

- Stainless steel needle and nozzle to accommodate a variety of coatings
- Brass air cap and adjustable knob
- Includes adjustable fluid, pattern and air controls

- Designed to provide equal atomisation and particle size for all kinds of surface painting
- Lightweight, ergonomic design and easy trigger pivot to reduce operator fatigue



Model No.	Type of Feed	Paint Capacity (cc)	Operating Pressure (Bar)	Pattern Width (mm)	Air Consumption (cfm)	Standard Nozzle (mm)
APH827A	Gravity	600	2.0-3.5	180-250	4.2-7.1	1.4

### HVLP, Gravity Feed

0373

APH827A

Tech Sheet 20575



Model No.	Type of Feed	Paint Capacity (cc)	Operating Pressure (Bar)	Pattern Width (mm)	Air Consumption (cfm)	Standard Nozzle (mm)
APR500	Gravity	600	2.0-3.5	180-250	3.0-3.9	1.5

### LVLP, Gravity Feed

0373

APR500

Tech Sheet 20577



Model No.	Type of Feed	Paint Capacity (cc)	Operating Pressure (Bar)	Pattern Width (mm)	Air Consumption (cfm)	Standard Nozzle (mm)
APR71	Pressure	-	3.0-4.0	180-250	3.5-6.4	1.5

### Gravity Feed

0373

APR71

Tech Sheet 20577



Model No.	Type of Feed	Paint Capacity (cc)	Operating Pressure (Bar)	Pattern Width (mm)	Air Consumption (cfm)	Standard Nozzle (mm)
APAS1005	Suction	1000	2.0-3.5	180-250	4.2-7.1	1.4

### HVLP, Suction Feed

0373

APAS1005

Tech Sheet 20576



Model No.	Type of Feed	Paint Capacity (cc)	Operating Pressure (Bar)	Pattern Width (mm)	Air Consumption (cfm)	Standard Nozzle (mm)
APR200S	Suction	1000	2.0-3.5	180-250	3.0-3.9	1.5

### LVLP, Suction Feed

0373

APR200S

Tech Sheet 20578



Model No.	Type of Feed	Paint Capacity (cc)	Operating Pressure (Bar)	Pattern Width (mm)	Air Consumption (cfm)	Standard Nozzle (mm)
AP100B	Suction	600	3.0-4.0	180-250	4.2-6.4	1.5

### Detailing, Suction Feed

0373

AP100B

Tech Sheet 20580

## Nozzles

0373	To Suit	Ø mm
APH827-N1.4	APH827A	1.4
APH827-N1.7	APH827A	1.7
APH827-N2.2	APH827A	2.2
APAS1005-N1.4	APAS1005	1.4
APAS1005-N1.7	APAS1005	1.7
APAS1005-N2.2	APAS1005	2.2
APR500R200S-N1.3	APR500 & APR200S	1.3
APR500R200S-N1.5	APR500 & APR200S	1.5
APR500R200S-N2.0	APR500 & APR200S	2.0
APR71-N1.3	APR71	1.3
APR71-N1.5	APR71	1.5
APR71-N1.7	APR71	1.7
AP100B-N1.5	AP100B	1.5



Nozzle Size (mm)	Application
1.3	Clearcoats
1.4 to 1.7	Basecoats
2.0 to 2.2	Primers





## Impact Wrenches

### Features:

- DYNA-PACT oil bath clutch
- One handed push button forward/reverse with four positive power settings
- Full power in reverse
- Compact and ergonomic with rubber handle
- 425ft-lbs (576Nm) of maximum torque in reverse

### Benefits:

- Clutch delivers smooth operation and extreme durability
- Versatile and powerful tool ideal for all general repairs and maintenance applications



### 1/2" Super Duty

0219  
CP734H

Tech Sheet 3071

### Features:

- Steel front cover and aluminium body
- One hand operation forward/reverse by either left or right handed users
- Easily adjustable for either right or left handed operation
- Three setting positions
- Length: 4.4" (112mm)
- Jumbo hammer

### Benefits:

- Best power to weight ratio: 306ft-lbs (415Nm)
- Ultra compact
- Easy to use
- Durable



### 3/8" Compact

0219  
CP7731

Tech Sheet 60195

### Durable and Powerful:

- Maximum torque: 1,250Nm in reverse
- Working torque: 102-786Nm
- Includes rechargeable torch

### Features:

- 922ft-lbs (1,250Nm) of maximum torque in reverse
- Durable aluminium back housing
- Insulated and comfortable grip with rubber-injected composite housing
- Universal and durable twin hammer mechanism

### Benefits:

- Maximise work efficiency with great power
- Most powerful 1/2" impact wrench in the range
- Extremely fast run down for quick work
- Reduced operator fatigue



### 1/2" Composite

0219  
CP7748

Tech Sheet 60251

### Features:

- 3/4" impact wrench with ring retainer
- DYNA-PACT oil bath clutch
- Single handed reverse button with four power settings
- Comfortable handle grip

### Benefits:

- General maintenance
- Smooth operation with DYNA-PACT clutch
- Comfortable use with low noise and vibration levels
- Good durability



### 3/4" Super Duty

0219  
CP772H

Tech Sheet 60253

### Features:

- Steel front cover and aluminium body
- One hand operation forward/reverse by either left or right handed users
- Three setting positions
- Length: 4.4" (112mm)
- Jumbo hammer

### Benefits:

- Best power to weight ratio: 450ft-lbs (610Nm)
- Ultra compact
- Easy to use
- Durable



### 1/2" Compact

0219  
CP7732

Tech Sheet 60252

### Features:

- 1" straight impact wrench with 6" extended anvil
- 1,920ft-lbs (2,600Nm) of maximum torque in reverse
- Pinless, closed, reinforced rocking dog impact mechanism
- Dual socket retention, hole and friction ring
- Ergonomic side handle
- Full teasing trigger
- Regulator with integrated forward/reverse, with three position power settings in both directions

### Benefits:

- Highly efficient yet economical motor with durable reinforced clutch mechanism
- Durable impact wrench with great power for the toughest jobs on heavy vehicles



### 1" Heavy-duty

0219  
CP7782-6

Tech Sheet 60196







## Drills

**Features:**

- Compact low profile head to get in to confined spaces
- Reverse valve for easy directional change
- High performance gearing for extended durability

**Benefits:**

- Compact angle head drill
- Operator control from start up through run down
- Ideal for drilling and screw driving in confined areas



### 3/8" Angle Drill

**0219**
**CP879**

Tech Sheet 3074

**Features:**

- High performance Jacob's chuck
- Built in regulator for efficient control

**Benefits:**

- Powerful and fast
- Durability and productivity
- Perfect tool for vertical drilling and to reach confined areas



### 3/8" In-line Drill

**0219**
**CP887**

Tech Sheet 3075

**Features:**

- Fast and efficient at 2,900rpm
- Industrial quality Jacob's chuck
- Ergonomic grip

**Benefits:**

- Productivity and durability
- Maximise operator comfort
- Power suitable for many applications



### 3/8" Pistol Drill, Heavy-duty

**0219**
**CP9285**

Tech Sheet 3076

**Features:**

- Industrial quality Jacob's chuck
- Low speed and high torque: 9.14ft-lbs (12.4Nm)
- Ergonomic grip and side handle
- Handle exhaust

**Benefits:**

- Accommodates larger drill bits
- Powerful and resistant to stalls
- Ideal tool for large hole drilling



### 1/2" Pistol Drill, Heavy-duty

**0219**
**CP9789**

Tech Sheet 3077

**Features:**

- 3/8" (10mm) reversible pistol drill
- Industrial quality Jacob's chuck
- Ergonomic grip
- Handle exhaust

**Benefits:**

- High productivity for general maintenance
- Maximise operator comfort
- Power suitable for many applications
- Ideal tool for drilling and screw driving



### 3/8" Reversible Pistol Drill

**0219**
**CP9790**

Tech Sheet 60255

## Ratchet

**Features:**

- 1/2" ratchet
- Compact head design
- Hardened gears

**Benefits:**

- Good durability
- Easy grip reverse for simple directional changes



### 1/2" Ratchet

**0219**
**CP886H**

Tech Sheet 60202

## Riveters

**Features:**

- Compact size and composite body
- 3/16" maximum capacity
- Heavy pulling: up to 1,900lbs (865kg)
- Low vibration and low noise level
- Includes: 3/32", 1/8", 5/32" and 3/16" (2.4, 3.2, 4 and 4.8mm) nose pieces

**Benefits:**

- Broad applications coverage
- Durable, reliable and easy to service
- Maximise operator comfort



### 3/16" Riveter, Heavy-duty

**0219**
**CP9883**

Tech Sheet 3092

**Features:**

- Air riveter for general maintenance
- Compact size
- 3/16" maximum capacity
- For rivets in aluminium, copper and softer materials
- Heavy pulling: up to 2,200lbs (1,000kg)
- Transparent container with holes for quick release of rivet ends
- Includes nose pieces for rivets: 3/32", 1/8", 5/32" and 3/16" (2.4, 3.2, 4 and 4.8mm)

**Benefits:**

- Simple construction for easy maintenance
- Great for trailer panels, number plates, and any type of panels maintenance



### General Purpose Riveter

**0219**
**CP9882**

Tech Sheet 60205





## Grinders

### Features:

- Efficient and powerful 0.28hp (210W) motor
- Low noise level: 80dB(A)
- Easy access speed regulator
- Compact and ergonomic grip
- Rear exhaust
- 1/4" and 6mm collets included



### 90° Angle Die Grinder, Compact

0219  
CP9106QB

Tech Sheet 3087

### Benefits:

- Maximised operator comfort
- Performance and power
- Ideal for confined access applications

### Features:

- Powerful 0.8hp (600W) motor
- Adjustable protective guard and aluminium alloy housing
- Spiral bevel gears
- Ergonomic side handle



### 4" Angle Grinder, Heavy-duty

0219  
CP9120CR

Tech Sheet 3089

### Benefits:

- Excellent for weld preparation and smoothing, rust removal, deburring and blending of steel, cast iron and aluminium
- Lightweight but rugged housing
- Durability and performance

### Features:

- Keyless adjustable protective guard
- Aluminium alloy housing
- Helical bevel gear design
- 5" (125mm) wheel capacity
- M14 spindle thread
- 0.8hp (600W) governed motor
- Ergonomic side handle



### 5" Angle Grinder

0219  
CP9121AR

Tech Sheet 60204

### Benefits:

- Suitable for general maintenance applications
- Lightweight but rugged housing
- Durability and performance

### Features:

- Efficient and powerful 0.32hp (240W) motor
- Low noise level: 80dB(A)
- Easy access speed regulator
- Compact and ergonomic grip
- Rear exhaust
- 1/4" and 6mm collets included



### Compact In-line Die Grinder

0219  
CP9105QB

Tech Sheet 3086

### Benefits:

- Maximised operator comfort
- Performance and power
- Increased precision for best operator control
- Ideal for confined access applications

## High Speed Cutter

### Features:

- Wheel diameter 2.7/8"
- Adjustable speed regulator
- Safety lever to prevent accidental start up
- Rear exhaust



### High Speed Cutter, Standard Duty

0219  
CP874

Tech Sheet 3095

### Benefits:

- Ideal for cutting through composite, sheet metal, bolts, etc.
- Precise and safe control

## Sanders

### Features:

- PSA sanding pad
- Insulated grip and lock-off throttle to prevent accidental start-ups
- Power regulator for precise control



### Dual Action Sander

0219  
CP870

Tech Sheet 3081

### Benefits:

- Excellent for blending and smoothing filler, feather edging and pre-paint preparation
- Operator comfort

### Features:

- 3mm and 1/8" collets included
- Very low noise level – only 71dB(A)
- Good power/size ratio with 60,000rpm high free speed



### Compact Pencil Grinder

0219  
CP9104Q

Tech Sheet 3084

### Benefits:

- Extremely easy to handle, quiet and lightweight
- Ideal for tight access application



For ITM/BE Couplings  
see **Section 1**

### Features:

- Quick change belt replacement
- Adjustable sanding arm
- Handle exhaust and swivel air inlet
- Rubber moulded grip



### Belt Sander

0219  
CP9779

Tech Sheet 3083

### Benefits:

- Excellent for paint removal, weld sanding, smoothing and rust removal in tight areas
- Operator comfort



## Angle Impact Wrenches

**Features:**

- Jumbo hammer mechanism
- Steel motor
- Composite cover
- Direct drive transmission mechanism
- 9.8" (240mm) length and 3.46" (88mm) height
- 220ft-lbs (300Nm) of maximum torque in reverse (for 1/2" model)
- 2.46lbs (1.12kg)
- Moulded composite and ergonomic handle to fit perfectly in hand
- Full teasing trigger
- Single handed forward/reverse operation
- Three positions in forward and one in reverse
- Socket retainer ring

**Benefits:**

- High durability
- Compact powerful comfort
- Great control and easy operation



### 3/8" Angle Impact Wrench

**0219**  
**CP7727**

Tech Sheet 60197

### 1/2" Angle Impact Wrench

**0219**  
**CP7737**

Tech Sheet 60254

## Hammer Kit

**Features:**

- Heavy-duty pistol grip hammer
- Standard .401 round shank
- Internal muffler minimises exhaust sound
- Unique vibration damping
- Teasing trigger for slow start-up

**Benefits:**

- Maximise operator comfort and control
- Smooth operation
- Low vibrations to maximise productivity

**Kit Includes:**

- Four chisels
- One posi-lock retainer
- Heavy-duty case



### Hammer Kit, Heavy-duty

**0219**  
**CP7110 KIT**

Tech Sheet 60207

## Cordless Electrical Impact Wrench Kits

**Features:**

- 1/4" quick change bit holder
- Maximum torque: 85ft-lb (115Nm) in reverse
- 2.4lb (1.1kg)
- 6.3" (161mm) length
- 12 volt CP12XP lithium-ion 1.5Ah battery

**Benefits:**

- Ultra compact for small and confined spaces
- LED light for dimly-lit work areas
- Single handed forward/reverse operation
- Ergonomic handle fits your hand perfectly



### 1/4" Cordless Impact Wrench Kit

**0219**  
**CP8818 PACK**

Tech Sheet 60198

**Features:**

- 3/8" anvil with ring retainer
- Maximum torque: 150ft-lb (205Nm) in reverse
- 4lb (1.8kg)
- 6.1" (152mm) length
- 20 volt CP20XP lithium-ion 4Ah battery

**Benefits:**

- Great power/weight ratio
- Charge gauge
- Rubber battery dampeners absorb impacts and shocks
- Aluminium clutch housing
- LED light for dimly lit work areas
- Single handed forward/reverse operation
- Ergonomic handle fits your hand perfectly



### 3/8" Cordless Impact Wrench Kit

**0219**  
**CP8828 PACK**

Tech Sheet 60199

**Features:**

- 1/2" anvil with ring retainer
- Maximum torque: 775ft-lb (1,050Nm) in reverse
- 6.9lb (3.1kg)
- 9.5" (243mm) length
- 20 volt CP20XP lithium-ion 4Ah battery

**Benefits:**

- Torque reaction part in aluminium
- Charge gauge
- Rubber battery dampeners absorb impacts and shocks
- Aluminium back and clutch housing
- Single handed forward/reverse operation
- Ergonomic handle fits your hand perfectly
- Resistance to shock



### 1/2" Cordless Impact Wrench Kit

**0219**  
**CP8848 PACK**

Tech Sheet 60200

## Cordless Electrical Drill

**Features:**

- Spindle lock and keyless chuck
- Maximum torque: 24ft-lb (34Nm)
- Pack includes tool, charger and two batteries
- 12 volt CP12XP lithium-ion 1.5Ah battery

**Benefits:**

- Ultra compact
- LED light for dimly-lit work areas
- Electronic trigger with variable speed
- Ergonomic handle fits your hand perfectly



### 3/8" Cordless Drill

**0219**  
**CP8528 PACK**

Tech Sheet 60203





## Swivel Connector

The MultiFlex swivel is an ingenious multidirectional connector. Connect your tool and the hose will stay in the ideal position however much you and the tool move around. The MultiFlex bends and rotates 360° in all directions while the hose stays straight. It takes the effort out of working in those cramped spaces, the hose feels almost weightless and it reduces hose wear.

**Working Temperature:**  
-10°C to +70°C

**Maximum Working Pressure:**  
10 bar

### Features and Benefits

- Improved ergonomics; less strength is needed to move around tool and hose
- Reduced hose wear
- High flow capacity and low pressure drop
- Strong and durable for long lifetime



### BSPP

0454	Thread
MFCB-02	1/8"
MFCB-04	1/4"
MFCB-06	3/8"
MFCB-08	1/2"

Tech Sheet 20443

### NPT

0454	Thread
MFCN-02	1/8"
MFCN-04	1/4"
MFCN-06	3/8"
MFCN-08	1/2"

Tech Sheet 20443



**TYGRIS™**  
Cleaning Lubricating Protecting



For **TYGRIS** Sprays, Greases & Oils  
see **Section 15**



## Blind Riveter 3/16" Capacity

**Features:**

- Maximum rivet capacity: 3/16"
- Air inlet: 1/4" BSPF female
- Air pressure: 90 PSI
- Air consumption: 4.2 cfm
- Tool length and height: 271mm x 255mm
- Sound pressure: 73 dB (A)
- Sound power: 65 dB (A)
- Tool weight: 1.75kg
- Vibration level: 0.7 m/s<sup>2</sup>



0088  
2017-0460

## Paint Spray Guns



### High Pressure Spray Gun

0088	Type
W-97	Gun & Bowl
Tech Sheet 20434	

Code	Flow	Bowl Capacity	Inlet	Hose ID
W-97	Suction	100Occ	1/4"	3/8"

Code	Average Air Consumption		Working Pressure cc		Nozzle mm
	CFM	Litres/min	psi	kg/cm <sup>2</sup>	
W-97	10	280	50-70	3.5-5.0	1.5

## 100 Piece Blind Rivet Assortment

**Contents:**

- 20 pieces: 1/8" x 7/32"
- 30 pieces: 5/32" x 7/32"
- 30 pieces: 1/8" x 5/16"
- 20 pieces: 3/16" x 5/16"



0088  
2021-0233

## Tool Balancers

Plastic coated steel wire.



0088	Kg	Length Metres
2021-0209	0.6-1.5	1.6
2021-0217	1-2	1.6
2021-0225	1.5-3	1.5
2021-2030	3-5	0.9
Tech Sheet 20433		

## Tool Balancers

A complete range of balancers, capabilities from 0.4 to 14Kg, available stroke up to 2.5m. To eliminate labour, to cut down idle times, to improve work quality, to reduce hose and cable wear and to avoid both damage to people and tools. For either bench or assembly line jobs, applications ranging from small tools to industrial guns and multiple screwdrivers.

**Features:**

- Stainless steel cable
- Auxiliary safety suspension
- Adjustable stroke-limiting device
- Adjustable capacity
- Polyamide thimble
- Rugged construction, cast aluminium body
- (Models 2-3) safety device against load dropping due to spring breakage (>3kg)
- Cable guide in anti-friction material



**Redashe**

For Tools & Weights from 0.4 to 14Kg

0122	Kg	Length Metres
M9311	0.4-1	1.6
M9312	1-2	1.6
M9313	2-3	1.6
M9320	1-2.5	2
M9321	2-4	2
M9322	4-6	2
M9323	6-8	2
M9336	2-4	2.5
M9337	4-6	2.5
M9338	6-8	2.5
M9339	8-10	2.5
M9340	10-14	2.5





# TORCHES WORK LAMPS & LIGHTING

## Aviation Grade Battery Flashlight LED 3W (135 Lumen)



0455	Description
TFL013AAA1	3 x AAA Batteries, 5 Hour Runtime

## Rechargeable Aviation Grade Flashlight 5W (270 Lumen)



0455	Description
TCFL186501	Li-Ion Battery c/w USB Charger & Car Charger

## Rechargeable CREE LED Flood Light



0712	Colour
JBYFL-10	Yellow
JBRFL-10	Red
JBGFL-10	Green

## Rechargeable LED Pen Light



0712	Lumens
J1000-DPL02USB	70

## Intrinsically Safe Polymer Penlight



0712	Lumens
JXPP-5410G	30
JXPP-5412G	50



0712	Lumens
JXPP-5412G	50

## Intrinsically Safe Polymer Dual Flashlight



0712	Lumens	Beam
JXPP-5422G	120	170 Metres
JXPP-5422B	120	170 Metres



0712	Lumens	Beam
JXPP-5422B	120	170 Metres

## Headlamp



0455	
THL013AAA2	

## Intrinsically Safe Multi Function Headlamp



0712	Lumens	Beam
JXPP-5450G	60/40	80 Metres
JXPP-5456G	100	140 Metres



0712	Lumens	Beam
JXPP-5456G	100	140 Metres

## Dual Headlamp



0712	Lumens	Beam
JNSP-4602B	30/9	18 Metres



0712	Lumens	Beam
JNSP-4604B	55/40	50 Metres



# TORCHES WORK LAMPS & LIGHTING

## 3W Strip Cob & Light



<b>0478</b>	<b>Description</b>
J2500-HLI	Cob Light

## Rechargeable Work Lamp



<b>0455</b>	<b>Description</b>
TWL3600LI	Rechargeable Work lamp

## Coolite Rechargeable



<b>0478</b>	<b>Description</b>
J2000R	Coolite Rechargeable

## Redashe Coolite J 000L8-30 Rechargeable



<b>0478</b>	<b>Description</b>
J000L8-30	Coolite Rechargeable

## Redashe Coolite 230V AC Input



<b>0478</b>	<b>Description</b>
J000L6-30	Coolite 30 LEDs
J000L6-60	Coolite 60 LEDs

## Redashe Coolite J000L 1100 Under Bonnet Lamp



<b>0478</b>	<b>Description</b>
J000L1100	Coolite Under Bonnet Lamp





# PROFESSIONAL TYRE INFLATOR

- **Body:** zinc alloy and aluminium, 1/4" female
- **Hose:** 1/4" x 33cm rubber hose with spring guard
- **Chuck:** 1/4" female x 6" long with PVC protector
- **Chuck material:** brass and zinc alloy
- **Vibration resistant**



**Pressure Range:**

0-1050 kpa

0-150 PSI, 0-10 kg/cm<sup>2</sup>

0088

IG400

Tech Sheet 1948



## Tyre Inflators

- Zinc body
- 2.1/2" gauge
- 1/4" x 33cm rubber hose
- 6" steel dual chuck
- Air inlet: 1/4"
- Measuring range: 5-200 PSI (+/-3% @ 25°C)
- Inflation/deflation/measuring



**Digital, 2.1/2" Gauge**

0088  
LEDT102



**Trigger**

1305  
TG-3



**In-line**

1305  
TG-4

# TYRE INFLATION EQUIPMENT



## Car Tyre Inflators

**Maximum Working Pressure:**  
12 bar



**With Clamping Nipple, 1/4" BSPP Inlet**

1307	Gauge Ø mm
150120-134	63
150130-134	80
Tech Sheet 20437	

**Maximum Working Pressure:**  
12 bar



**With Twin Connector, 1/4" BSPP Inlet**

1307	Gauge Ø mm
150123-134	63
150131-134	80
Tech Sheet 20437	





### PCL Dial Type Tyre Gauge



7001	Description
DPG1H08	European Standard 0-170lbf/in - Single Clip-on

### PCL Airforce MK4 Tyre Inflator 14" Forecourt Model



7001	Hose Length	Connector	Scale
AFG4H031	14" (0.36m)	Short Stem Twin Hold-on	0-138 PSI

### PCL Airforce MK4 Tyre Inflator 6' High Pressure Model



7001	Hose Length	Connector	Scale
AFG6H04	6ft (1.8m)	Single Clip-on	45-300 PSI

### PCL Accura Digital Tyre Inflator 0.53m Hose, Single Clip-on



7001	Connection	Hose Length Metres
DAC404	Single Clip-on	0.53

### PCL Accura Digital Tyre Inflator 1.8m Hose, Twin Clip-on



7001	Connection	Hose Length Metres
DAC405	Twin Clip-on	1.8

### PCL Accura Digital Tyre Inflator 2.7m Hose, Twin Clip-on



7001	Connection	Hose Length Metres
DAC406	Twin Clip-on	2.7

### PCL Accura Digital Tyre Inflator 2.7m Hose, Single Clip-on



7001	Connection	Hose Length Metres
DAC4061	Single Clip-on	2.7

### PCL Accura Digital Tyre Inflator 3.6m Hose, Twin Clip-on



7001	Connection	Hose Length Metres
DAC436	Twin Clip-on	3.6

### PCL Alloy Tyre Inflator



7001	Hose Length	Tyre Valve Connection
ADTG4	0.85m	Euro Clip-on

### PCL Analogue Hand Held Tyre Inflator



7001	Description
AFG1H08	6' Hose with Euro Connector
AFG1H03	21" Hose with Twin Hold-on Connector

### PCL Digital Hand Held Tyre Inflator



7001	Description
DAC1C08	1.8m (6ft) Euro Clip-on 0-12 bar
DAC1A06	2.7m (9ft) Twin Clip-on 0-174 PSI
DAC1A03	0.53m (21") Twin Hold-on 0-174 PSI





## Digital Tyre Inflator

The Accura MK4 tyre inflator marries the ruggedness of a metal analogue inflator with the lightness, accuracy and ease of use of a digital gauge.

**Features:**

- Twin hold-on connector
- Extremely robust aluminium body with protective rubber bumper
- Permanently backlit in use, auto off after 25 seconds no-use (easy to read in dark workshops or at night)
- Three units of calibration toggle as standard (PSI, bar and kPa)
- The lightest digital inflator on the market
- Higher pressure range for multiple applications
- Individually tested and certified against national approved gauges



**Accura MK4**

7001  
DAC403

## Tyre Pressure Gauges

**Pocket Service Type, Dual Calibrated**



7001	Description
TPG4H01	10 to 120lbf/in <sup>2</sup> in 2lb Units & 0.8 to 8.2 bar in 0.2 bar Units

**Pocket Type, Angled Head, Dual Calibrated**



7001	Description
TPG3H01	10 to 120lbf/in <sup>2</sup> in 2lb Units & 0.8 bar Units
TPG1H01	6 to 50lbf/in <sup>2</sup> in 1lb Units & 0.5 to 3.4 bar in 0.1 bar Units

## Tread Depth Gauge



7001	Description
TDG16C05	Complies with EC Directive 89/459/EEC 1.6mm Marking

## Tyre Valve Connectors

- Open end: unvalved (air straight through)
- Closed end: valved (operates when valve opens tyre valve)
- Hold on: hold onto valve to inflate
- Clip on: clip slides down to hold on to valve to inflate



7001	Description
C01A03	Twin Hold-on Connector (Open End)
C01B03	Twin Hold-on Connector (Closed End)
C03A03	Twin Clip-on Connector (Open End)
C03B03	Twin Clip-on Connector (Closed End)
C02H03	Single Clip-on Connector (Open End) Tailpiece for 6.35mm (1/4") Bore Hose
C02J03	Single Clip-on Connector (Closed End) Tailpiece for 6.35mm (1/4") Bore Hose
C02E03	Single Clip-on Connector (Open End) Tailpiece for 4.75mm (3/16") Bore Hose
C02F03	Single Clip-on Connector (Closed End) Tailpiece for 4.75mm (3/16") Bore Hose
C08E72	Euro Style Single Clip-on Connector (Open End) for 4.75mm (3/16") Bore Hose

## Air Line Gauges (Open End)

A new and improved version of the highly regarded MK3 tyre inflator.

- Open end: unvalved (air straight through)
- Hold on: hold onto valve to inflate
- Clip on: clip slides down to hold on to valve to inflate
- Calibrated 45 to 300 lbf/in<sup>2</sup> and 3-21 bar
- Supplied with a certificate of calibration



## High Pressure

7001	Description
ALG5H04	1.8m (6ft) Hose & Single Clip-on Connector Tech Sheet 60250

## MK4

7001	Description
AFG4H03	Twin Hold-on Connector
AFG4H04	Single Clip-on Connector Tech Sheet 60250

## MK4 Tyre Shop

7001	Description
AFG4H05	1.8m (6ft) Hose & Twin Clip-on Connector
AFG4H06	2.7m (9ft) Hose & Twin Clip-on Connector
AFG4H061	2.7m (9ft) Hose & Single Clip-on Connector Tech Sheet 60250





**Jamec Auto 1000 Automatic Tyre Inflator**


1470	Connector Style
11.06120S2	Single Clip-on

**Jamec TDR2000 Tyre Inflator, 500mm/20" Hose**


1470	Similar To	Connector Style	Calibration
10.20000S	AFG4H03	Angled Twin Hold-on	0-138 PSI / 0-960 Kpa

**Jamec TDR2000 Tyre Inflator, 2.7 Metres/9' Hose**


1470	Similar To	Connector Style	Calibration
10.20000S4	AFG4H03	Single Clip-on	0-138 PSI / 0-960 Kpa

**Jamec TDR Digital Tyre Inflator, 500mm/20" Hose**


1470	Similar To	Connector Style	Calibration
10.31000S	DAC403	Dual Angle Hold-on	+/- 2 PSI at 25-75 PSI.

**Jamec TDR Digital Tyre Inflator Single Clip-on Connector - 2.7 Metres Hose**


1470	Similar To	Connector Style	Calibration
10.31000S2	DAC4061	Angled Single Clip-on	+/- 2 PSI at 25-75 PSI.

**Jamec TDR Digital Tyre Inflator Twin Clip-on Connector, 2.7 Metres Hose**


1470	Connector Style	Calibration
10.30120S2	Angled Twin Clip-on	+/- 2 PSI at 25 - 75 PSI

**Jamec Single Clip-on Connector, Open End**


1470	Similar To	Connection	Thread
03.04470S	C08T73	Single Clip-on	1/4" BSPF

**Jamec Twin Hold-on Connector, Open End**


1470	Similar To	Connector Style	Thread
03.04650S	C01A03	Angled Twin Connector	1/4" BSPF

**Jamec Twin Hold-on Connector, Closed End**


1470	Similar To	Connector Style	Thread
03.04720S	C01B03	Angled Twin Connector	1/4" BSPF

**Jamec Twin Clip-on Connector, Open End**


1470	Valve Connection Type	Style
03.0435NS0S	Twin Clip-on	Open Ends

**Jamec Twin Clip-on Connector, Closed End**


1470	Valve Connection Type	Style
03.0435N0S	Twin Clip-on	Closed Ends



## HVLP Spray Guns

PCL's HVLP suction spray gun utilises a precision engineered brass air cap, stainless steel fluid nozzle and needle which provide a premium quality paint finish. This newly developed 'compliant' spray gun offers the user high transfer efficiency, lower material consumption and is environmentally friendly.

- Suitable for water based paints
- 1.7mm fluid nozzle
- 1 litre aluminium cup

**Maximum Working Pressure:**  
50lbf/in<sup>2</sup>



### Suction Spray Gun

7000  
SG01P

PCL's HVLP gravity spray gun utilises a precision engineered brass air cap, stainless steel fluid nozzle and needle which provide a premium quality paint finish. This newly developed 'compliant' spray gun offers the user high transfer efficiency, lower material consumption and is environmentally friendly.

- Suitable for water based paints
- 1.4mm fluid nozzle
- 0.6 litre plastic cup

**Maximum Working Pressure:**  
50lbf/in<sup>2</sup>



### Gravity Spray Gun

7000  
SG02P

## Lite Air Tools

### Key Product Benefits:

- Ergonomic design for comfort
- Lightweight materials
- Ready for immediate use
- Comes complete with cleaning brush and hose tail piece

### Key Product Features:

- Tank capacity: 750cc
- Operating pressure: 3 to 4 bar
- Air consumption: 4.2 to 7.1 cfm
- Nozzle size: 1.5mm
- Pattern width: 140 to 180mm
- Body and canister material: aluminium



### Lite Suction Spray Gun

7000  
SG01L

Tech Sheet 2172

### Key Product Benefits:

- Tank capacity: 600cc
- Operating pressure: 3 to 4 bar
- Air consumption: 4.2 to 7.1 cfm
- Nozzle size: 1.5mm
- Pattern width: 120 to 250mm
- Body and canister material: aluminium and plastic



### Lite Gravity Spray Gun

7000  
SG02L

Tech Sheet 2173



For TYGRIS Sprays, Greases & Oils  
see Section 15





# SPRAY GUNS



## High Pressure Spray Gun

- High pressure spray gun
- Dual action trigger
- Adjustable spray pattern
- External mix nozzle
- 1/4" bayonet quick connect.



0088  
TOOL-763556

## Touch Up Spray Gun

- Lightweight spray gun
- Easily adjusted flat variable fan pattern for fine control of paint/air mix
- Locking cup with safety lever
- Ideal for blowing in small areas
- 1/4" bayonet quick connect



0088  
TOOL-868558

## Gravity Feed Spray Gun

- Gravity feed spray gun
- Separate flow and pattern controls
- Dual action trigger control
- 1.5mm nozzle
- 500ml nylon cup
- 1/4" bayonet quick connect



0088  
TOOL-783124

## Suction Feed Spray Gun

- Suction feed spray gun
- Dual action trigger
- Adjustable spray pattern
- External 1.5mm mix nozzle
- 750cc capacity
- 1/4" bayonet quick connect



0088  
TOOL-196536

## Expert Gravity Feed Spray Gun

- High performance, well balanced, spray gun
- For use in automotive spraying
- Separate flow and pattern controls
- 125ml nylon cup
- 1.2mm nozzle
- 1/4" bayonet quick connect



0088  
TOOL-580420

## Air Brush Kit

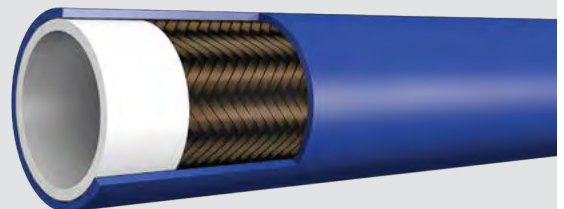
- Air brush kit for fine work and stenciling
- 50mm maximum spray pattern
- 0.35mm nozzle
- Average consumption 0.4 to 0.7 cfm
- Air pressure required 15-70 psi

### Kit contains:

- 2 x 22cc paint bottles
- 1.5m hose
- Viscosity cup
- Wrench
- Hanger



0088  
TOOL-282460



Customers who bought from this page also purchased  
**Paint Spray Hose**  
see **Section 7**



# BLOW GUNS

## Sodablasting

Sodablasting is a fast and gentle method of removing paint and corrosion, even from hard-to-reach places. It does not warm up or stretch sheet metal. It does not damage glass, rubber or plastic, minimising the need for shielding. Sodablasting protects bare metal from rusting right away in contrast to sandblasting.

**Maximum Working Pressure:**  
6 to 12 bar



### 1/4" BSPP, Sodablaster Gun

1307	Capacity Litres	LPM
145154-000	1.2	450
Tech Sheet 60399		



### Sodablasting Media

1307	Volume Litres
320103-000	5

## Sodablasting Set



### Air Blow Gun with Hose & Feeder Tube

1307	Thread ID
145110-000	1/4"

## Sodablaster



### Sodablaster

1307	Capacity Litres	Compressor Capacity HP/L/min
145955-000	1.2	2.5 H.P.-180 L/min

## Brake Bleeders

- Air supply: 6-12 bar, 180 L/min at 8 bar
- Complete with safety valve



### 1/4" BSPP Inlet

1307	Capacity Litres
143103-000	1.2
143122-000	2
Tech Sheet 20436	



### 1/4" BSPP Inlet

1307	Capacity Litres
143102-000	1.2

## Automotive Tools

Combines water with compressed air to increase the efficiency of cooling system flushing. Compressed air increases the water pressure compared to that delivered by the mains water supply.

Equipped with a 13mm diameter 1/2" connection for water couplings. Use of a hose connector with a control valve is recommended – flow can then be adjusted or switched off without a trip to the tap.

**Maximum Working Pressure:**  
10 bar



### 1/4" BSPP, Cooling System Flusher

1307	To Suit Hose ID mm	LPM
142185-000	19, 29, 32, 36.5, 40	200
Tech Sheet 60400		

Ideal for changing oil on tractors, cars, boats, motorcycles, garden machinery and other types of engines.

Oil flow is infinitely adjustable and easily regulated with the trigger.

Also suitable for the removal of various types of oils, e.g. hydraulic, cutting and engine oils.

Made of impact-resistant materials and extremely corrosion resistant.

**Maximum Working Pressure:**  
12 bar



### 1/4" BSPP, Oil Extractor

1307	Capacity Litres	LPM
147150-134	2	180
Tech Sheet 60401		



## Air Boy® Inflating Guns

Working Temperature:  
-10°C to +60°C



## 1/4" BSPP, for Footballs

1307	Nozzle	LPM
140108-000	Inflating Needle	200

Tech Sheet 20793

Working Temperature:  
-10°C to +60°C

1/4" BSPP, for Bicycles  
(Dunlop & Presta Valves)

1307	Nozzle OD mm	LPM
140118-000	8	380

Tech Sheet 20424

## Blow Gun Accessories



## Accessories

1307	Size mm	Type
144124	8	Rubber Tip
144180	8	Protective Shield

Tech Sheet 20430

## Cleaning Guns



## Metal Nozzle

1307	Capacity Litres	Nozzle Length mm
142101-000	1.2	145

Maximum Working Pressure:  
6 to 12 bar



## 1/4" BSPP, Cleaning Gun

1307	Capacity Litres	Nozzle Length mm	LPM
142130-000	1.2	150	100
142135-000	1.2	200	100
142136-000	2	200	100

Tech Sheet 20431

Maximum Working Pressure:  
6 to 12 bar

1/4" BSPP, Cleaning Gun  
with 1.5m Suction Hose

1307	Nozzle Length mm	LPM
142131-000	150	100

Tech Sheet 20431

## Sandblasting

Maximum Working Pressure:  
6 to 12 bar



## 1/4" BSPP, Sandblasting Gun

1307	Capacity Litres	LPM
145100-000	1.2	450
145101-000	2	450

Maximum Working Pressure:  
6 to 12 bar



## 1/4" BSPP, Sandblasting Set

1307	LPM
145102-000	450

Tech Sheet 20432

## Sandblasting Gun Accessories



## Nozzle for Sandblasting Gun

1307	To Suit
145202	145100-000



## Nozzle for Sandblasting Gun

1307	To Suit
145219	145102-000



## Accessories

1307	Description
145803	Steel Nozzle & O-Ring for Set 145102
145108	Glasses for Sandblasting

# Blow Guns



 **Working Temperature:**  
-32°F to +275°F

 **Maximum Working Pressure**  
150 psi

## Features:

The KELM™ ASG-1 safety air blow gun has been developed to comply with all aspects of the OSHA standard for compressed air used for cleaning.

This standard reads: *'Today, the most common way to comply to this standard is to fit a tamper-proof regulator set at 29 psi ahead of the blow gun. However, this is costly and can only be used when also using a safety nozzle.'*

The KELM™ ASG-1 safety air gun provides an extremely cost effective solution; it is designed with Venturi holes in the nozzle which increase air volume and allow air to escape if the nozzle is dead-ended. This specially designed feature ensures less than 30 psi passes through the nozzle, complying with the standard set by OSHA.

In addition, all the internal components are brass, ensuring a rust-free operation. Blow gun repairs are not necessary as O-rings are self-lubricating, preventing valve leakage.

## Construction:

**Body:** Die cast zinc  
(chrome plated)

### Internal

**Components:** Nickel-plated brass

**Nozzle:** Brass

**Decibel:** 97

**Thumb Grip:** Vinyl

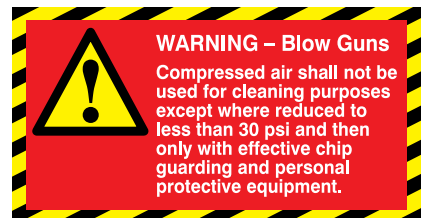
**Inlet:** R1/4

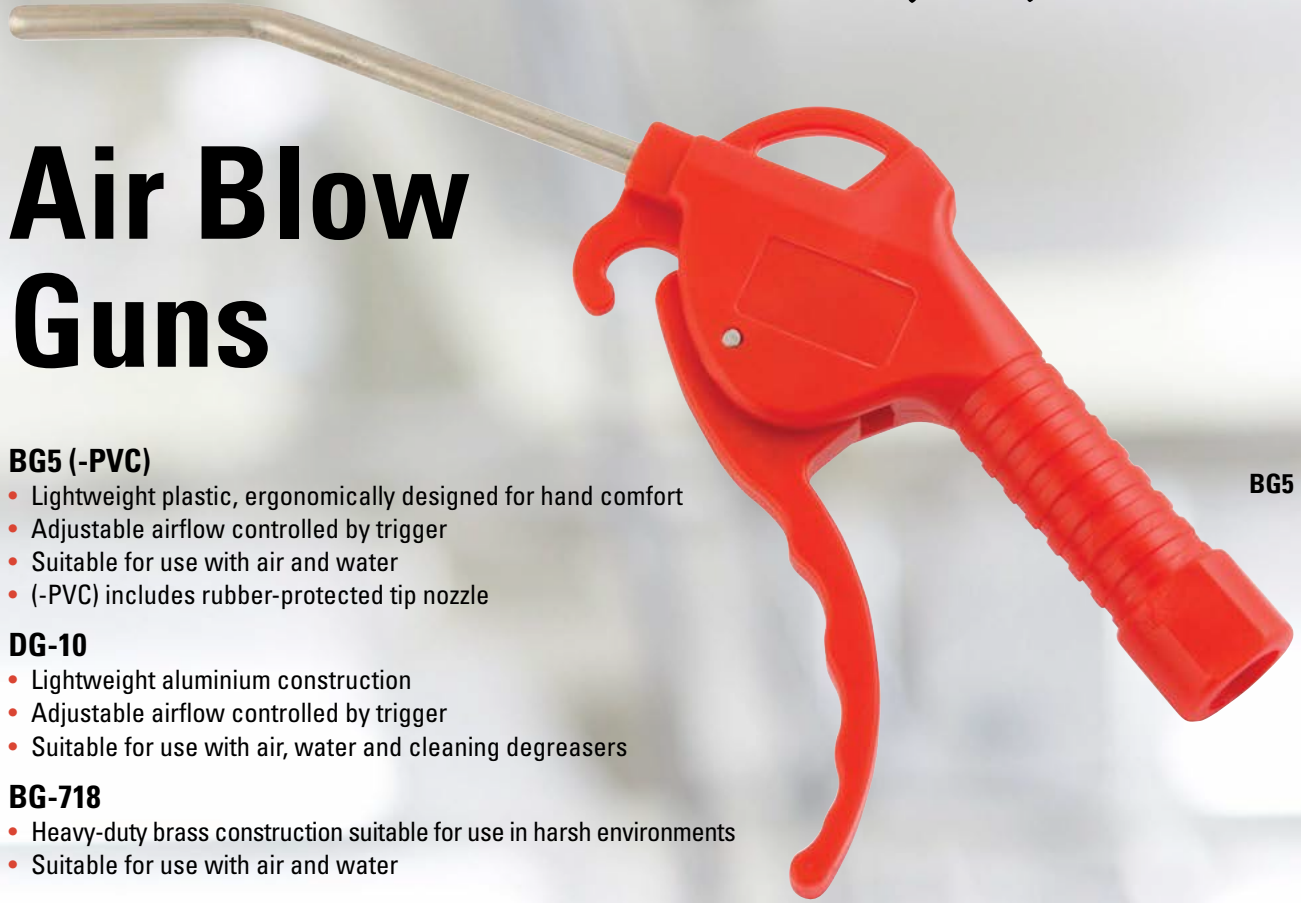
**Flow:** 310 L/min

## ASG-1 Safety Air Blow Gun

### Red Handle, BSPT

0424	Thread
ASG-1	1/4"





**BG5**

# Air Blow Guns

## BG5 (-PVC)

- Lightweight plastic, ergonomically designed for hand comfort
- Adjustable airflow controlled by trigger
- Suitable for use with air and water
- (-PVC) includes rubber-protected tip nozzle

## DG-10

- Lightweight aluminium construction
- Adjustable airflow controlled by trigger
- Suitable for use with air, water and cleaning degreasers

## BG-718

- Heavy-duty brass construction suitable for use in harsh environments
- Suitable for use with air and water



**BG5-PVC**



**DG-10**



**BG-718**

## Air Blow Guns

### BSPP Inlet

1305	Thread	Information
BG5	1/4"	-
BG5-PVC	1/4"	Includes PVC Tip
Tech Sheet 20335		

### BSPT Male

1305	Thread
DG-10	1/4"
Tech Sheet 10726	

## Heavy-duty Brass Blow Gun

### BSPP Inlet

1305	Thread
BG-718	1/4"





## Safety Nozzle

- Standard safety nozzle



0424  
ST10

Tech Sheet 20332

## Safety Booster

- Increases air volume by up to 33%, and still conforms to OSHA



0424  
ST11

Tech Sheet 20332

## Extension Nozzles



0424	Length
ST203	3"
ST206	6"
ST208	8"
ST210	10"
ST212	12"
ST216	16"
ST218	18"
ST224	24"
ST230	30"
ST236	36"

## Rubber Tip

- Non safety nozzle
- For delicate surfaces that brass may damage



0424  
SAT13

Customers who bought from this page also purchased



**Nylon Tubing & Polyurethane Coils**  
see **Section 7**





## Air Engine Cleaning Guns



## Straight, BSPT

1305	Thread
EG6	1/4"
Tech Sheet 20336	



## 0.6 Litre Capacity, BSPT

1305	Thread
DG-10-EC	1/4"
Tech Sheet 20337	



## 90°, BSPT

1305	Thread
DG-10-EK	1/4"
Tech Sheet 20338	

## Air or Water Gun




## 3/4" Hose Tail Connection

1305
ASW-1
Tech Sheet 60464

## Extended Air Blow Guns

- Plastic air inlet
- Plastic body
- Steel nozzle
- Thread: 1/4"
- BSPT Female

 **Maximum Pressure:**  
11 bar  
**Working Pressure:**  
6 bar



## PVC Tip for Extended Air Blow Gun

1305
LABT

## Air Blow Guns

1305	Length
LD04-1	4"
LD10-1	10"
LD13-1	13"
LD20-1	20"
LD40-1	40"
Tech Sheet 20421	

## Energy Save Blowgun



## Kit

1012	Thread	ID mm	OD mm	Length Metres
LE-0631 00 23	1/4"	4	6	4

## Gun Only

1012	Thread
LE-0653 02 13	1/4"





## Blowguns

Designed in Australia and sold for over 30 years, the Jamec Pem range is used globally in all automotive and industrial applications.

### Features

- Tough and durable ABS plastic.
- Variable trigger airflow.
- 1/4" Brass insert female connection.
- Tough industrial quality.



### 100mm Angled Nozzle

1470	Description
171.0340S	100mm Angled Nozzle

Designed in Australia and sold for over 30 years, the Jamec Pem range is used globally in all automotive and industrial applications.

### Features

- Strong rubber tipped nozzle, ideal for close delicate work.
- Tough and durable ABS plastic.
- Variable trigger airflow.
- 1/4" Brass insert female connection.
- Tough industrial quality.



### 100mm Rubber Tipped Angled Nozzle

1470	Description
171.034RTOS	100mm Rubber Tipped Angled Nozzle

Designed in Australia and sold for over 30 years, the Jamec Pem range is used globally in all automotive and industrial applications.

### Features

- Variable air flow trigger
- Robust and durable ABS Plastic handle .
- Long reach with angle nozzle .
- Ergonomic handle for maximum comfort.
- Ideal for cleaning work areas and equipment.



### 230mm Angled Tipped Nozzle

1470	Description
171.0780S	230mm Angled Tipped Nozzle

With a flexible 600 mm nozzle, the new Flex Nozzle Blow Gun from Jamec Pem provides the flexibility, innovation and convenience to make it the best hand tool in any workshop.

### Features

- Durable ABS plastic handle.
- Pistol grip.
- 600mm flexible nozzle.
- 1/4" brass inlet.



### 600mm Flex Nozzle

1470	Description
171.0670S	600mm Flex Nozzle



## Air Vacuum Cleaner with Blow Facility

PCL Air Technology Garage Model: Dust bag and nozzle suction head included with blow facility.



7000	Description
AV201	Airvac-Industrial Model

## Metal Blowgun with Safety Nozzle

PCL Air Technology BSPP female palm grip with safety nozzle



7000	Description
BG106	1/4" BSPP Inlet

## Palm Blowgun

BGN466 Extension nozzle can be purchased separately. Blow gun is supplied with a safety nozzle and conical nozzle.

9" Extension (purchased separately) will screw directly onto the blow gun.

### Features

- 1/4" Female connection.
- Max W.P: 10 bar.
- Airflow: 247 L/min (8.9 cfm).

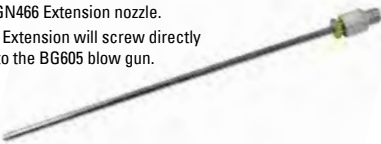


7000	Description
BG605	Blow Gun c/w Safety & Conical Nozzle

## Palm Blowgun 9" Extension Nozzle

BGN466 Extension nozzle.

9" Extension will screw directly into the BG605 blow gun.



7000	Description
BGN466	9" Extension to Suit BG605

## Pistol Grip Blowgun with Safety Nozzle

PCL Air Technology BSPP female pistol grip with safety nozzle



7000	Description
BG405	1/4" BSPP Inlet

## Plastic Blowgun 100 mm Nozzle

- Now supplied in blue.
- BSPP Female 100mm Extended Nozzle



7000	Description
BG5002	1/4" BSPP Inlet

## Plastic Blowgun 9" Nozzle

- Now supplied in Blue.
- BSPP Female



7000	Description
BG5007	9" Extension Nozzle

## Plastic Blowgun with Safety Nozzle

- Now supplied in blue.
- BSPP Female Safety Version



7000	Description
BG5004	1/4" BSPP Blow Gun

## Water Dispenser

Designed to dispense water in such applications as a radiator or windscreen water bottle filler.

The sturdy design incorporates a lever for instant flow and cut-off.



7000	Description
RF104	Water Dispenser





# BLOW GUNS

**25** 25 year warranty on the Air Boy® valve system

**Working Temperature:**  
-10°C to +80°C

**Maximum Working Pressure:**  
16 bar

**Advised Working Pressure:**  
8 bar

## Air Boy® Classic



### Trade Counter, 10 Pack

1307  
140900-000



### 1/4" BSPP, Bent Pipe

1307	Nozzle OD mm	LPM
140101-000	8	380
140102-000	6	330

Tech Sheet 60024

### 1/4" BSPP, Stainless Steel Bent Pipe

1307	Nozzle OD mm	LPM
140120-000	8	380

Tech Sheet 60024



### 1/4" BSPP, Bent Pipe & Air Adjustment Screw

1307	Nozzle OD mm	LPM
140103-000	8	380
140104-000	6	330

Tech Sheet 60025



### 90° Angled Nozzle

1307  
144177



### 1/4" BSPP, Extended Bent Pipe

1307	Nozzle OD mm	Nozzle Length mm	LPM
140112B-000	8	300	380
140113B-000	8	500	380
140114B-000	8	1000	380

Tech Sheet 60026



### 8mm, Straight Pipe

1307  
140100-000



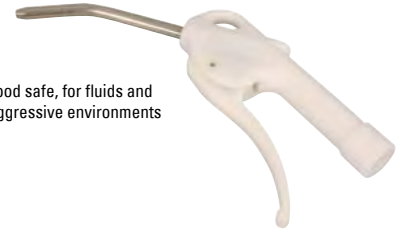
### 1/4" BSPP, Extended Straight Pipe

1307	Nozzle OD mm	Nozzle Length mm	LPM
140112-000	8	300	380
140113-000	8	500	380
140114-000	8	1000	380

Tech Sheet 60026

## Air Boy® Stainless

Food safe, for fluids and aggressive environments



### 1/4" BSPP, Stainless Steel Bent Pipe

1307	Nozzle OD mm	LPM
140120-159	8	380

Tech Sheet 60027

## Super Silent Air Boy®



**Working Temperature:**  
-10°C to +60°C

**Maximum Working Pressure:**  
12 bar

High blowing force, low noise level

### 1/4" BSPP, Unblockable Stainless Steel Bent Pipe

1307	Nozzle OD mm	LPM
140141-000	8	330

Tech Sheet 60033







25 year warranty on the Air Boy® valve system

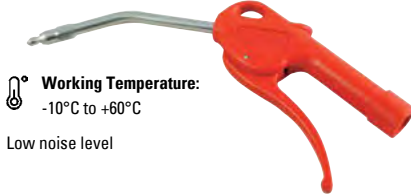
**Working Temperature:**  
-10°C to +80°C



**Maximum Working Pressure:**  
16 bar

**Advised Working Pressure:**  
8 bar

## Silent Air Boy®



**Working Temperature:**  
-10°C to +60°C

Low noise level

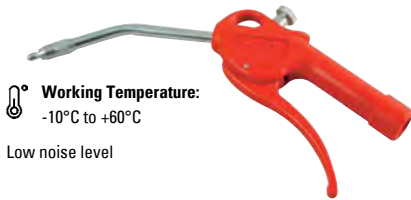
### 1/4" BSPP, Unblockable Bent Pipe

1307	Nozzle OD mm	LPM
140125-000	8	260
Tech Sheet 60031		



### 8mm, Bent Pipe with Shut Off

1307	
140128-000	



**Working Temperature:**  
-10°C to +60°C

Low noise level

### 1/4" BSPP, Unblockable Bent Pipe & Air Adjustment Screw

1307	Nozzle OD mm	LPM
140135-000	8	260
Tech Sheet 60032		



**Working Temperature:**  
-10°C to +60°C

Low noise level

### 1/4" BSPP, Unblockable Straight Pipe

1307	Nozzle OD mm	LPM
140126-000	6	260
Tech Sheet 60031		



**Working Temperature:**  
-10°C to +60°C

Low noise level

### 1/4" BSPP, Unblockable Straight Pipe & Air Adjustment Screw

1307	Nozzle OD mm	LPM
140136-000	8	260
Tech Sheet 60032		



### 8mm with Extended Pipe & Shut Off

1307	Nozzle Length mm
140129-000	500

## Air Boy® Anti-Block



### 1/4" BSPP, Unblockable Bent Pipe

1307	Nozzle OD mm	LPM
140106-000	6	330
Tech Sheet 60029		

## Safety Air Boy®



### 1/4" BSPP, Bent Pipe, Automatic Pressure Reduction

1307	Nozzle OD mm	Pressure Reduction	LPM
140161-000	8	2	140
140171-000	8	3.5	220
Tech Sheet 60030			



### 1/4" BSPP, Straight Pipe, Automatic Pressure Reduction

1307	Nozzle OD mm	Pressure Reduction	LPM
140160-000	8	2	140
140170-000	8	3.5	220
Tech Sheet 60030			





# BLOW GUNS



25 year warranty on the Air Boy® valve system

**Working Temperature:**  
-10°C to +80°C



**Maximum Working Pressure:**  
16 bar

**Advised Working Pressure:**  
8 bar

## Air Boy® Turbo



**1/4" BSPP, Unblockable Bent Pipe & Venturi Nozzle**

1307	OD mm	LPM
140110-000	6	300
140111-000	8	300

Tech Sheet 60028



**Venturi Nozzle for 8mm Pipe**

1307
144116

Tech Sheet 60037

## Air Boy® Non Scratch



**8mm, Bent Nozzle**

1307
140021-000

## Air Boy® Junior



**Blowgun Junior & Rubber Nozzle**

1307
140023-000

## Jet Air Boy®



High blowing force,  
low noise level

**1/4" BSPP, Unblockable Jet Air, 1 Nozzle**

1307	Nozzle	LPM
140026-134	Flat	580

Tech Sheet



**Jet Air Boy® with Flat Nozzle & Volume Control**

1307
140027-134



**1/4" BSPP, Threaded Blow Gun for Jet Air Nozzles**

1307	Nozzle	LPM
140858-000	1/4" BSPP	380

Tech Sheet 60024



**1/4" BSPP, Jet Air, 1 Nozzle**

1307	Colour	Material	LPM
141000-000	Black	POM	580

Tech Sheet 60036



**1/4" BSPP, Jet Air, 2 Nozzles**

1307	Colour	Material	LPM
141001-000	Grey	ULTEM 1000 200°C	580

Tech Sheet 20428



**Replacement Container**

1307	Capacity Litres
143300	1.2L

**Precision Nozzle**



**Hardened Steel**

1307	Thread ID
145950-000	1/4"

**Wide Nozzle**



**Pack of 3**

1307	To Suit
145955-000	Sodablast V2



## Air Jets

- Drying/removing liquid films from surfaces
- Controlling the coating of surfaces
- Blowing off/removing dust and debris
- Cooling or heating of materials
- Separating different weights or sizes

### BSPP

0424	Thread	Material
PFFN-1/4	1/4"	Plastic
AFFN-1/4	1/4"	Aluminium



## AIR JETS



Air jets utilise the Coanda effect (wall attachment of a high velocity fluid) to produce air motion in their surroundings. A small amount of compressed air is forced through an internal ring nozzle above sonic velocity. A vacuum is produced, pulling large volumes of surrounding or free air through the jet.

### Multi-channel Flat Fan Nozzle

Powerful air jet, acting upon areas. Low noise level, low air consumption.

**Applications:** blowing off and blowing out, cleaning, drying, cooling, conveying with air.



### BSPP

0025	Thread	Material
60013056AC	1/4"	Plastic/Pom
600.484.56.AC	1/4"	Acetal
60028342AC	1/4"	Aluminium

Tech Sheet 20087

### Multi-channel Round Jet Nozzle

Powerful air jet, producing punctiform impact patterns. Low noise level. Low air consumption. Resistant to fuel oils, mineral oils, lubricants and common solvents.

**Applications:** targeted blowing out and blowing off with compressed air guns.

**Reduction of noise level of up to 12db(a).**



Plastic/Pom

Zinc

### BSPP

0025	Thread	Material
60032656AC	1/4"	Plastic/Pom
6003263WAC	1/4"	Zinc

Tech Sheet 20087

### Mini Round Jet Nozzle

**Applications:** especially for blowing out pocket holes.



### BSPP

0025	Thread	Material
60038830AA	1/8"	Brass/Pom

Tech Sheet 20087



# BLOW GUNS & AIR NOZZLES



Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.  
A = nozzle length.

## Silvent Safety Air Guns

Fitted with a stainless steel Laval nozzle, this gun creates a highly concentrated air stream that moves at supersonic speed.



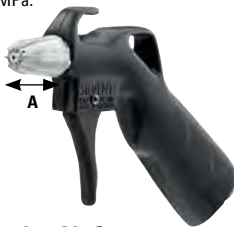
### 1/4" BSPP 500-L Series Air Gun, Stainless Steel Laval Nozzle

0165	A mm
SIL-500-L	94
SIL-500-L-250	250
SIL-500-L-800	800
SIL-500-L-1000	1000

Tech Sheet 10748

Fitted with a new generation of zinc Laval nozzle, this gun has a mix of divergent slots and holes surrounding the central Laval orifice, providing quiet, powerful and laminar air flow. This safety air gun is especially suitable for sweeping large areas or general purpose cleaning of parts and machines. The fin design of the nozzle prevents direct contact with skin.

**Sound Level:** 78 dB (A).  
**Maximum Pressure:** 0.7 MPa.



### 1/4" BSPP 501-L Series Air Gun, Zinc Hole Nozzle

0165	A mm
SIL-501-L	30

Tech Sheet 67992

An air gun with a flat nozzle for applications where the air system needs to strike a wider surface, providing quick and efficient blow-off.



### 1/4" BSPP 5920 Series Air Gun, Zinc Flat Nozzle

0165	A mm
SIL-5920	92

Tech Sheet 10764

An air gun fitted with an aerodynamic aluminium nozzle that offers a blowing force equivalent to five conventional air guns.



### 3/8" BSPP 2000 Series Aluminium Air Gun, Slotted Nozzle

0165	A mm
SIL-2055-A	49
SIL-2055-A-150	163
SIL-2055-A-500	513
SIL-2055-A-1000	1013

Tech Sheet 20786

Fitted with a new generation of zinc Laval nozzle, this gun has a mix of divergent slots and holes surrounding the central Laval orifice, providing quiet, powerful and laminar air flow. It is especially suitable for sweeping large areas or general purpose cleaning of parts and machines. The fin design of the nozzle prevents direct contact with skin.

**Sound Level:** 77.5 dB (A).  
**Maximum Pressure:** 0.7 MPa.



### 1/4" BSPP 008-L Series Air Gun, Zinc Hole Nozzle

0165	A mm
SIL-008-L	30

Tech Sheet 67991

## Silvent Air Nozzles

Fitted with a stainless steel Laval nozzle. A core stream travelling at supersonic speed, surrounded by a protective sheath of air moving parallel to the central jet, makes optimal use of your compressed air. Around the Laval orifice there are divergent slots that generate a quiet, powerful and laminar air stream. The blowing force is approximately five times that of an ordinary air gun. Despite the high blowing force, both the noise level and air consumption are low. Frequently used in the glass industry, paper mills, foundries, steel mills, etc.

**Sound Level:** 92.6 dB (A).  
**Maximum Pressure:** 0.7 MPa.



### 1/2" BSPP 750 Series Heavy-duty, Air Gun & Nozzle, All Stainless Steel

0165	
SIL-755-L	Tech Sheet 67995

The 511 and 512 slot nozzles generate a directed air jet. The nozzles are well suited to all-purpose blowing, and blowing in confined spaces.



### Slot Nozzles, BSPP & Metric

0165	Thread	Length mm
SIL-511	1/8"	55.8
SIL-512	1/8"	30.3
SIL-5001	M7 x 0.75 Female	18.3
SIL-5003	M7 x 0.75 Male	23.3

Tech Sheet 10751

Pro One's specially designed nozzle makes it possible to combine effective blowing power and a low noise level. Pro One's unique design reduces the turbulence that is generated when blowing with compressed air. This means the noise level can often be reduced by over 10 dB (A) when blowing.

**Blowing Force:** 2.8 N (9.9 oz).

**Sound Level:** 78 dB (A).

**Air Consumption:** 14Nm<sup>3</sup>/h (8.2 scfm).



### 1/4" BSPP Pro One Model, Stainless Steel Nozzle

0165	A mm
SIL-PRO-ONE	30

Tech Sheet 67994

An aluminium nozzle designed with aerodynamic slots, producing a strong, quiet and effective air stream.



### 3/8" BSPP High Blast Aluminium Nozzle

0165	Length mm
SIL-2005	46

Tech Sheet 10760



## Silvent Air Nozzles

The Laval hole in the centre of the nozzle creates a concentrated jet of air, travelling at supersonic speed. Around the Laval hole, a number of diverging slots generate a powerful, quiet and laminar air stream.

stainless steel



### Laval Nozzles, Stainless Steel, BSPP & Metric

0165	Thread	Length mm
SIL-1011	1/8" BSPP	27
SIL-1001	M7 x 0.75 Female	15
Tech Sheet 10761		

These popular nozzles are installed in thousands of different applications. The protective flanges prevent direct contact between skin and exhaust ports.



### 1/4" BSPP Hole Nozzles

0165	Nozzle
SIL-208	Female Zinc
SIL-209	Male Zinc
SIL-209-S1	Male Zinc Slotted
SIL-210	Female Aluminium
SIL-211	Male Aluminium
SIL-215	Female Nickel
SIL-216	Male Nickel
SIL-217	Female Rilsan
SIL-218	Male Rilsan
Tech Sheet 10752	

Its aerodynamic slots achieve optimal utilization of the compressed air while keeping the noise level to a minimum.



stainless steel

### 1/2" BSPP, 700 Series Stainless Steel Nozzle

0165	Length mm
SIL-705	29
Tech Sheet 10762	

These flat nozzles are designed to generate a broad and efficient fan of air. They are outstanding for use wherever a wide but thin striking surface is required.



### 900 Series Flat Nozzle, BSPP

0165	Thread	Material	Nozzle
SIL-921	1/8"	Zinc	Flat Male
SIL-920B	1/8"	Zinc	Flat Female
SIL-920A	1/4"	Zinc	Flat Male
SIL-920R	1/4"	Rilsan	Flat Male
Tech Sheet 10763			

Available with or without flow regulation. Built-in flow regulation allows optimal utilization of compressed air. Adjusting the blowing force minimizes both energy consumption and noise level.

stainless steel



### 900 Series Flat Nozzle, Stainless Steel, BSPP

0165	Thread	Nozzle
SIL-971	1/8"	Flat Male
SIL-971F	1/8"	Flat Male with Regulation
SIL-973	1/4"	Flat Male
SIL-973F	1/4"	Flat Male with Regulation
Tech Sheet 10768		

A small angled flat nozzle that generates a broad but thin air cone. The small mounting dimensions are especially suitable for machine designs where space is limited.



### 1/8" Angled Flat Nozzle

0165	
SIL-961	
Tech Sheet 10753	

Allows quick and easy adjustment to the blowing angle. Maintains the desired position, even at high pressures. Available in six standard lengths.

Sound Level: 78 dB(A).

Maximum Pressure: 1 MPa.

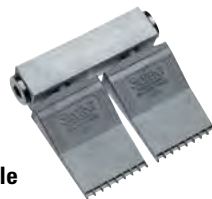


### 3/8" BSPP, Magnetic Base with Single Flexbow Hose

0165	Length mm
SIL-221-L	200
SIL-231-L	300
SIL-241-L	490
SIL-251-L	590
Tech Sheet 67993	

## Silvent Air Knives

Aluminium manifolds are used to build the air knives. The length of the manifold and the number of nozzles can be tailored to each customer's specific needs.



### 3/8" BSPP Flat Nozzle Air Knives

0165	Nozzle
SIL-392	2
SIL-394	4
SIL-396	6
Tech Sheet 10765	



### Angled Nozzle Air Knives

0165	Nozzle
SIL-362	2
SIL-364	4
SIL-366	6
Tech Sheet 10756	

## Blowgun Pressure Reducers



0165	Thread In/Out	Outlet Pressure
PR04/03	1/4"	3
PR04/04	1/4"	4
PR04/05	1/4"	5
PR04/06	1/4"	6

## Nozzle Ball Joints



0165	Material	Thread BSPP
092.024.30.AC	Brass	1/4" MF

## Test Equipment

Simply insert the end of the blow gun into the rubber tip and operate the gun to give test reading.



### OSHA Gauge

0165	
SIL-05H	
Tech Sheet 10757	





# BLOW/VACUUM GUNS & KITS

## Wonder Gun



### BSPP Inlet

0025	Thread
WG-9	1/4"
Tech Sheet 10766	

## Wonder Gun Kit

### High powered blow or vacuum gun.

#### Kit consists of:

1 x wonder gun	1 x brush nozzle
1 x dust collection bag	1 x miniature nozzle
1 x round extension nozzle	1 x 1 metre suction hose
1 x flat nozzle	



### BSPP Inlet

0025	Thread
WG-900KIT	1/4"
Tech Sheet 10767	

## Spare Parts for Wonder Gun Kit



0025	Type
WGS-01	Air Hose
WGS-02	Bag
WGS-03	Round Nozzle
WGS-04	Flat Nozzle
WGS-05	Brush Nozzle
WGS-06	Tiny Nozzle
HC25-40	Hose Clip

## Vacuum Guns

### Two-in-one air cleaning gun.

Wherever high powered industrial vacuum cleaning or air pressure cleaning is required, the BV22 connects directly to your air line and can be used for a wide range of industrial cleaning jobs, including:

#### On vacuum mode:

glass cuttings, metal filings, fibreglass residue, food crumbs and spilt powders.

#### On blower mode:

blow clean machine tools such as lathes, drills, milling machines, power saws, etc.



### Air Cleaning Gun, BSPP

0025	Thread
BV22	1/4"
Tech Sheet 10781	

### Deep hole air cleaning gun.

The BV22D/H has been designed with EYE SAFETY in mind. The BV22D/H is designed to blow the chip up and vacuum it away simultaneously.



### Deep Hole Cleaning Gun, BSPP

0025	Thread
BV22D/H	1/4"
Tech Sheet 10782	

### Simple, safe and incredibly efficient

Air Pumps are used in industry to remove waste material from around working machinery by vacuum recovery, or by high powered air blasting. Using a unique spiral exhaust air flow principle, the AP22 gives greater vertical and horizontal conveying distances.

Being air-powered means no electrical breakdowns or maintenance costs and makes wet vacuuming completely safe.



### Nylon Air Pump, 6mm Push-in

0025	Thread
AP22	1/4"
Tech Sheet 10780	

## Accessories for Vacuum Guns



0025	Type
BV22-1	Dust Bag Kit
BV22-2	Vacuum Head
BV22-4	Long Reach Wand
BV22-5	Crevice Tool
BV22-6	Round Brush

## Vacuum Kit

### Kit consists of:

1 x BV22 high powered gun (or BV22 DH)
1 x BV22-1 dust bag or hose clamp
1 x BV22-7 bench nozzle



0025	Type
BV22-K	Kit as above

## Textile & Electronics Kit

Design for vacuum cleaning around sewing machines, photographic equipment and electronics / computers.

### Kit consists of:

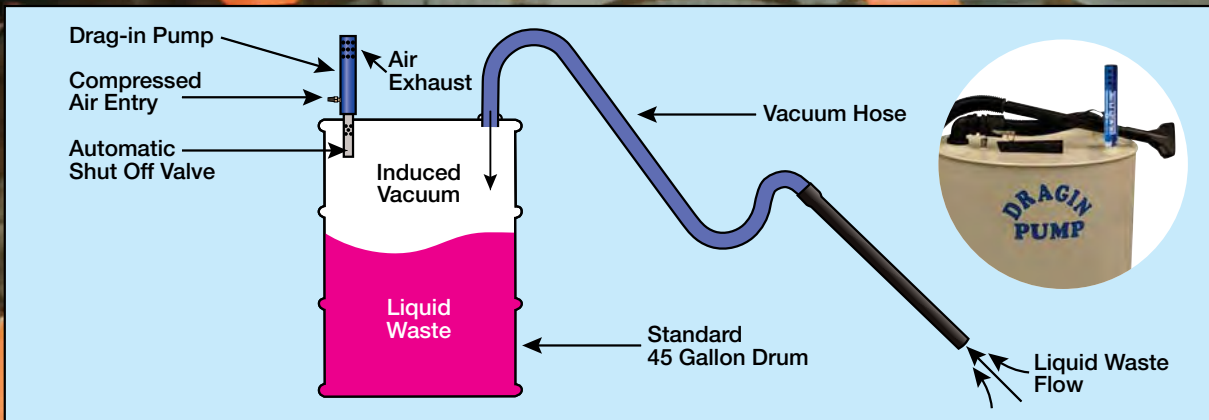
1 x BV11 high powered gun
1 x BV11-1 dust bag including hose clamp
1 x BV11-2 10mm nozzle
1 x BV11-3 6mm nozzle
1 x BV11-4 3mm nozzle



0025	Type
BV11-K	Kit as above



# DRAG-IN PUMP KIT



The drag-in pump kit will remove liquids from lathes, milling machines, sumps, etc, including metal chips, in seconds.

Simply attach the kit to a standard, seated 45 gallon drum and connect to an air supply.

- Easy set-up and operation
- Heavy-duty construction
- No moving parts
- Auto shut off

**The kit will fill a 45 gallon drum in 60 seconds!**



**Drag-in Pump Kit**  
0025  
DPK-1

	Kg/cm <sup>2</sup>	4	5	6	7	8
		Pressure	psi	56.89	71.11	85.33
Air Consumption	M <sup>3</sup> /min	0.26	0.32	0.37	0.5	0.6
	cfm	9.18	11.29	13.06	17.65	21.18
Total Discharge	mm Hg	1.90	2.00	2.30	3.5	3.8
	cfm	67.08	70.62	81.21	123.85	134.17
Vacuum	mm Hg	220	272	314	335	375
	in Hg	8.66	10.70	12.36	13.2	14.8
Water	Litres per second	1.42	1.66	2.00	2.5	3.4
Oil SAE30	Litres per second	1	1.3	1.6	2	2.5

# AIR MOVERS



Brauer airmovers have many uses such as: drying wet surfaces, blowing off and cleaning mechanical parts, cooling moulds, fume extraction and venting tanks.

**Material:** zinc alloy.  
**Standard Gap:** 0.05mm (0.15mm for AM125).  
**DBA Quoted at:** 5.5 bar.

## Air Movers

**Note:** BR-AM35 shims not required.  
BR-AM75 spare shims available.



### Standard Fixed Gap Air Movers, BSPP

0119	Thread	DBA
BR-AM10	1/8"	72
BR-AM20	1/4"	79
BR-AM35	3/8"	80
BR-AM40	3/8"	80
BR-AM75	1/2"	80

Tech Sheet 2046

Strip air movers produce a curtain of air along the length of the application. The strip air mover uses the same Coanda effect utilised in our other air amplifiers.

No moving parts – compressed air from a local production line source can be utilised. Output volumes almost twenty times higher.

Highly efficient – significant compressed air savings can be achieved with short investment paybacks. Low noise levels. Stainless steel options.

Manufactured in any length from a combination of our standard sizes.

**Material:** aluminium/zinc-plated steel.

**Standard Gap:** 0.05-0.10mm.

**DBA at 5.5 bar:** 80

**Shims:** not required.

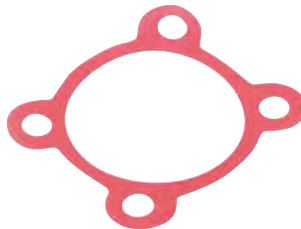
**Standard Inlet Thread:** 1/4" BSPP.



### Strip Air Movers, BSPP

0119	Length mm	Thread
BR-SE150	150	1/4"
BR-SE300	300	1/4"
BR-SE450	450	1/4"
BR-SE600	600	1/4"

Tech Sheet 10790



### Spare Shims

0119	To Suit	Size mm
BR-SH10/1.5	BR-AM10	1.5
BR-SH10/2	BR-AM10	2
BR-SH10/3	BR-AM10	3
BR-SH20/1.5	BR-AM20	1.5
BR-SH20/2	BR-AM20	2
BR-SH40/1.5	BR-AM40	1.5
BR-SH40/2	BR-AM40	2
BR-SH40/3	BR-AM40	3



### Universal Connector Joints

0119	Thread
BR-AM20UJ	1/4"
BR-AM40UJ	3/8"

Tech Sheet 10793



### Magnetic Base

0119
BR-MAGNETICBASEM

## Adjustable Air Movers

**Note:** shims not applicable.



### Aluminium Alloy, BSPP

0119	Thread	DBA
BR-AM10A	1/8"	73
BR-AM20A	1/4"	79
BR-AM35A	3/8"	80
BR-AM60A	3/8"	80
BR-AM75A	1/2"	80

Tech Sheet 20370

stainless steel



### Stainless Steel, BSPP

0119	Thread	DBA
BR-SS60A	3/8"	80
BR-SS75A	1/2"	81

Tech Sheet 20371

## Blow Guns



### Trigger Action, BSPP

0119	Thread
BR-AG32LC	1/4"

Tech Sheet 20374

## Cold Air Gun



0119
CG4





## Neublade Airstrip

The Neublade from Beckair utilises innovative technology developed to give the highest performance, lowest noise and lowest air consumption compared to any other product.

The powerful, whisper-quiet blade of air is ideal for drying, cleaning, cooling or containing in all kinds of process, food and manufacturing applications.

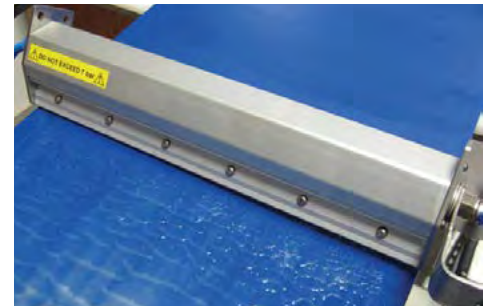
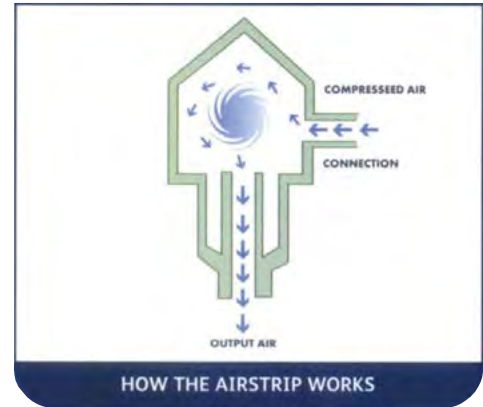
The key to its performance is our flow straightening technology (patent applied for) which provides an exceptionally laminar sheet of air. The low levels of turbulence also mean extremely low noise (65dB).

- No moving parts – the Neublade is maintenance free
- Ultra low air consumption – significantly lower running costs than standard nozzles and strips
- Ultra-quiet operation (typically 65 dB) for an improved working environment
- Easily mounted onto existing installations
- Choice of air entry for maximum flexibility

The Neublade is manufactured from extruded, anodised aluminium and comes complete with quick fit hose connector. Because of the method of construction, we are able to offer the Neublade in any length up to 2m long. Please call our sales team for further information.

### Applications

- Drying: printing, paints, coatings, components, conveyor belts
- Cleaning: components, conveyors, instruments lens, dust removal, waste removal
- Cooling: components
- Air curtain: fume containment, heat containment from ovens and furnaces



### How Neublade can reduce your operating costs

Type of Airstrip	Type of Airstrip		Noise Level Db(A) at 1M	Power Required kW SLPM	Running Costs per Year*
	SLPM	SCFM			
5 holes in 50mm length of pipe (3mm or 1/8")	1980	70	95	10.0	£960
Standard air wipe (50mm)	450	16	85	2.3	£220
Neublade (50mm)	124	4.5	65	0.65	£62

\*Based on 40 hours per week, 48 weeks per year with an energy cost of around £0.05 per kWh.

### BSP Ports

9039	Length		Inlet	Air Consumption @ 4 bar		Noise Db (A) at 1M
	mm	Inches		SLPM	SCFM	
<b>BNEUBLADE/80</b>	80	3"	1/4" BSP + Push-in Fitting	198	7	65
<b>BNEUBLADE/150</b>	150	6"	1/4" BSP + Push-in Fitting	368	13	65
<b>BNEUBLADE/300</b>	300	12"	1/4" BSP + Push-in Fitting	736	26	65
<b>BNEUBLADE/450</b>	450	18"	1/4" BSP + Push-in Fitting	1104	39	65
<b>BNEUBLADE/600</b>	600	24"	1/4" BSP + Push-in Fitting	1471	52	65
<b>BNEUBLADE/750</b>	750	30"	1/4" BSP + Push-in Fitting	1839	65	65
<b>BNEUBLADE/900</b>	900	36"	1/4" BSP + Push-in Fitting	2207	78	65
<b>BNEUBLADE/1000</b>	1000	39"	1/4" BSP + Push-in Fitting	2462	87	65
<b>BNEUBLADE/1200</b>	1200	48"	1/4" BSP + Push-in Fitting	2943	104	65







## Ringjet Air Amplifiers

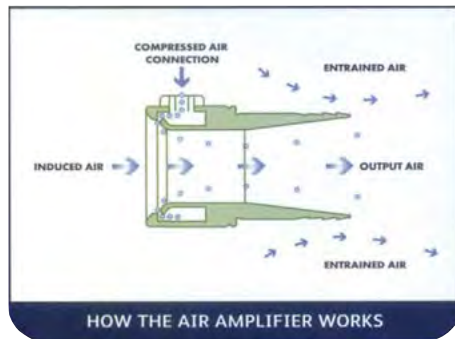
Ringjets air amplifiers are bladeless, motorless fans which can be used for cooling, extracting, drying and ventilating in process, food and manufacturing industries.

Using a small volume of compressed air as the power source, Ringjets utilise the 'Coanda' effect to draw larger volumes of ambient air into the device to amplify the air flow by up to 25 times.

- No moving parts – Ringjet is maintenance free
- No electricity required – safe to use in wet locations
- Adjustable flow control using air gap and inlet pressure
- Energy efficient – low running costs
- Low cost
- Quiet operation (less than 80 dB (A))
- Also available in stainless steel

### Applications

- Cooling: components, mouldings, extrusions, people, components on test
- Extraction: fumes, water, dust, waste material
- Drying: components, printing, material



### BSP Ports

9039	Throat Diameter mm	Air Inlet BSP	Air Consumption @ 4 bar		Outlet Airflow		Hose Size for Ducting		OD mm	Length mm	Material
			SLPM	SCFM	SLPM	SCFM	mm	Inches			
BRJ12A	12	G1/8"	170	6	5,666	200	19	3/4"	25	63	Anodised Alloy
BRJ20A	20	G1/8"	283	10	6,800	240	32	1.1/4"	40	63	Anodised Alloy
BRJ25A	25	G1/4"	397	14	11,333	400	38	1.1/2"	50	90	Anodised Alloy
BRJ40A	40	G1/4"	510	18	14,150	500	50	2"	63	95	Anodised Alloy
BRJ50A	50	G3/8"	962	34	20,666	730	76	3"	90	135	Anodised Alloy
BRJ75A	75	G1/2"	1416	50	33,333	1,178	100	4"	132	165	Anodised Alloy
BRJ12S/S	12	G1/8"	170	6	5,666	200	19	3/4"	25	63	Stainless Steel (316)
BRJ20S/S	20	G1/8"	283	10	6,800	240	32	1.1/4"	40	63	Stainless Steel (316)
BRJ25S/S	25	G1/4"	397	14	11,333	400	38	1.1/2"	50	90	Stainless Steel (316)
BRJ40S/S	40	G1/4"	510	18	14,150	500	50	2"	63	95	Stainless Steel (316)
BRJ50S/S	50	G3/8"	962	34	20,666	730	76	3"	90	135	Stainless Steel (316)







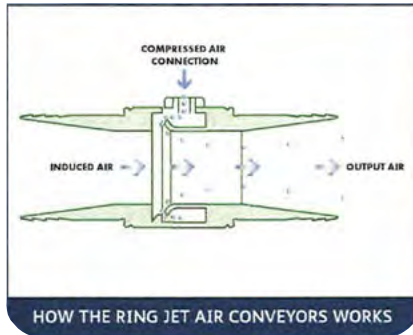
## Ringjet Air Conveyors

Ringjets air conveyors are bladeless, motorless fans which connect to flexible hose and are ideal for conveying and extracting all kinds of materials in process, food and manufacturing industries. Using a small volume of compressed air as the power source, Ringjets utilise the 'Coanda' effect to draw larger volumes of ambient air into the device to amplify the air by up to 25 times. Ringjet conveyors are capable of moving material over long distances and this can be increased by adding additional conveyors into the line.

- No moving parts – Ringjet is maintenance free
- No electricity required – safe to use with liquids and wet material
- Adjustable flow control using air gap and inlet pressure
- Energy efficient – low running costs
- Ideal for conveying over long distances
- Quiet operation (less than 80 dB (A))

### Applications

- Conveying: plastic pellets, waste removal, food products, pills and tablets, small components, dust, liquids, paper trim
- Extraction: fumes, liquids, dust, waste material



### BSP Ports

9039	Throat Diameter mm	Air Inlet BSP	Air Consumption @ 5 bar		Outlet Airflow		Hose Size for Ducting		OD mm	Length mm	Material
			SLPM	SCFM	SLPM	SCFM	mm	Inches			
<b>BRJ12C</b>	12	G1/8"	170	6	5,666	200	19	3/4"	25	95	Anodised Alloy
<b>BRJ20C</b>	20	G1/8"	283	10	6,800	240	32	1.1/4"	40	95	Anodised Alloy
<b>BRJ25C</b>	25	G1/4"	397	14	11,333	400	38	1.1/2"	50	135	Anodised Alloy
<b>BRJ40C</b>	40	G1/4"	510	18	14,150	500	50	2"	63	135	Anodised Alloy
<b>BRJ50C</b>	50	G3/8"	962	34	20,666	730	76	3"	90	203	Anodised Alloy





## Clustajet Ventilators

Clustajet ventilators are a compressed air operated fan which utilise our Ringjet technology to create a robust, maintenance free, high performance ventilator.

Because the Clustajet uses compressed air, no electrical supply is needed making it suitable for safe use in damp or wet locations.

Multiple Ringjets are positioned inside a steel casing to create a space rocket jet effect which gives the unit its high performance. For a given airflow, Clustajets are lighter in weight and smaller than equivalent electric fans.

- No moving parts – Clustajet is maintenance free
- No electricity required – safe to use in damp or wet locations
- Adjustable flow control using the control valve
- Standard Clustajets are manufactured from a strong welded steel casing
- Other options include:
  - Plastic
  - Flexible hose

### Applications

- Extraction: welding fumes, solvent vapours, dust
- Ventilating: confined spaces, tanks, sewers, tunnels
- Cooling: components, pipework



## BSP Ports

9039	Hose Size		Air Inlet BSP Inches	Airflow Consumption @ 4 bar		Outlet Air Flow		Dimensions					
	SLPM	SCFM		SLPM	SLPM	SPLM	SCFM	mm	Inches	mm	Inches	mm	Inches
<b>BCJ425</b>	102	4"	G1/4"	395	14	12,700	450	102	4"	180	7"	230	9"
<b>BCJ620</b>	150	6"	G1/2"	1130	40	18,400	650	152	6"	254	10"	356	14"
<b>BCJ825</b>	203	8"	G1"	2265	80	34,800	1230	203	8"	305	12"	457	18"
<b>BCJ1250</b>	305	12"	G1"	5375	190	87,750	3100	305	12"	406	16"	508	20"





### Model K Pneumatic Ball Vibrators



0024	VPM/N	BSP
<b>K8</b>	35000/360N	1/4"
<b>K10</b>	34000/710N	1/4"
<b>K13</b>	22500/870N	1/4"
<b>K16</b>	19500/1100N	1/4"
<b>K20</b>	16000/1720N	1/4"
<b>K25</b>	14000/2050N	1/4"
<b>K30</b>	12500/3210N	3/8"
<b>K36</b>	10000/4050N	3/8"

### Model DAR Pneumatic Roller Vibrators



0024	VPM/N	BSP
<b>DAR4</b>	25000/6690N	1/4"

### Model GT Pneumatic Turbine Vibrators



0024	VPM/N	BSP
<b>GT4</b>	15000/200N	1/8"
<b>GT6</b>	12500/210N	1/8"
<b>GT8</b>	46000/2910N	1/8"
<b>GT10</b>	37500/2400N	1/8"
<b>GT13</b>	33000/3730N	1/4"
<b>GT16</b>	24000/3160N	1/4"
<b>GT20</b>	23000/5520N	1/4"
<b>GT25</b>	17000/5070N	1/4"
<b>GT30</b>	16000/7540N	3/8"

### Model FP Pneumatic Linear Vibrators



0024	VPM/N	BSP
<b>FP12M</b>	6700/74N	1/8"
<b>FP25M</b>	4200/504N	1/4"
<b>FP35M</b>	4600/1080N	1/4"



# SECTION 14

## Hand Tools



- Total Cutting & Grinding Tools
- Total Drill Bits
- Total Saws
- Total Pipe & Cable Cutters
- Total Hammers
- Total Pliers
- Total Wrenches
- Total Screwdrivers
- Total Hex Keys
- Total Socket Sets
- Total Spanner Sets
- Total Measuring
- Total Clamping
- Total Tool Bags
- Ridgid Pipe Wrenches
- Ridgid Pipe Cutters
- Ridgid Pipe Benders
- Calipers & Micrometers



Bench Vice	771	Hacksaws	759
Caliper, Digital	771	Hammers	761
Caliper, Manual	776	Handsaws	759
Caulking Guns	772	Hexagonal Keys	768
Chisels	763	Laser Distance Detector	771
Cutters	760-761	Magnifying Glass	776
Cutters, Aviation	760	Micrometer	776
Cutters, Bolt	761	Pipe Benders	775
Cutters, Cable	761	Pliers	763-764
Cutters, Pipe	761	Ridgid Tools	773-775
Cutters, Pipe, Ridgid	774	Rule	776
Cutting & Grinding Tools	758-761	Screwdriver Sets	766-767
Cutting Discs	758	Screwdrivers	765-767
Cutting Knives	760	Socket Drives	770
Drill Bits	758-759	Socket Sets	769
F Clamps	771	Spanner Sets	770
Files	760	Spirit Levels	771
Flashlights	772	Tape Measures	771
Floor Jack	771	Tool Bags	772
G Clamps	771	Tool Chests	769
Gloves	772	Wrenches	765
Grease Guns	772	Wrenches, Ridgid	774



# TOTAL



## ***Industrial Grade Hand Tools***

*Tools designed for ergonomic comfort, ease of use and manufactured to last*

- Contoured for effortless performance with textured hard-wearing rubber for an incredibly comfortable grip
- Rigorous testing ensures a superior quality tool every time
- Exceptional quality, competitively priced
- Once you use Total Tools, no other brand will compare

## Cutting &amp; Grinding



## Wire Cup Brush, 100mm

0455	Wire Diameter mm	Thread
TAC31041	0.3	M14 x 2



## Abrasive Metal Cutting Disc

0455	Diameter mm
TAC2211156	115



## Turbo Diamond Disc Wet &amp; Dry Cut

0455	Diameter mm
TAC2131151	115
TAC2132301	230



## Twist Wire Cup Brush, 100mm

0455	Wire Diameter mm	Thread
TAC32041	0.5	M14 x 2

## Drill Accessories



## M2 HSS Individual Drill Bits

0455	Diameter mm	Total Length mm	Useable Length mm
TAC110401	4	75	43
TAC110601	6	93	57
TAC110801	8	117	75
TAC111001	10	133	87
TAC111201	12	151	101
TAC111301	13	151	101
TAC111601	16	178	120

- 76 pieces cutting disks
- 60 pieces sanding paper
- 1 pieces rubber grinding wheel
- 10 pieces grinding wheel with shank
- 4 pieces rubber polishing wheel
- 5 pieces felt wheels
- 1 pieces felt wheel point
- 1 pieces cloth wheel



## 250 pieces Mini Drill Accessories Kit

0455	Diameter mm
TACSD12501	250 pcs Accessory Kit

- 6 x metal drill bits: 2, 3, 4, 5, 6, 8mm
- 5 x concrete drill bits: 4, 5, 6, 8, 10mm
- 5 x wood drill bits: 4, 5, 6, 8, 10mm
- Packed in a plastic box and double blister



## 16 Piece Metal Concrete &amp; Wood DIN 338 Drill Bits Set

0455	Size mm
TACSD6165	2-10

- 6 x HSS twist drill bits, 2, 3, 3.5, 4, 5 and 6mm
- 4 x masonry drill bits, 4, 5, 6 and 8mm
- 6 x 25cm screwdriver bits, SL4.5, SL5.5, PH1, PH2, PZ1 and PZ2
- Packed in a double blister



## Drill &amp; Screwdriver Bits Box Set, 16 Pieces

0455	Size mm
TACSD3165	2-6

- 19 x HSS Twist Drill bits: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5mm, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5 and 10mm.
- Packed in a plastic box



## 19 Piece HSS DIN 338 Twist Drill Bits Set

0455	Size mm
TACSD0195	1-10

- 25 pieces 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5 and 13mm
- Fully ground flute 135° self-centring, split point, high quality M2 high speed steel
- Supplied in a plastic box



## HSS M2, Drill Bit Set, 25 Pieces

0455	Size mm
TACSD0251	1-13

## Drill Accessories

- 6 x metal drill bits: 2, 3, 4, 5, 6, 8mm
- Packed in a plastic box



### 6 Piece HSS DIN 338 Twist Drill Bits Set

0455	Size mm
TACSD0065	2-8

- 5 x SDS PLUS Drill bits: 6 x 110mm, 8 x 110mm, 10 x 110mm, 10 x 160mm and 12 x 160mm.
- Packed in a plastic box



### 5 Piece Hammer SDS Drill Bits Set

0455	Size mm
TAC190501	6 x 110 to 12 x 160

- 5 x Masonry Drill bits: 5 x 85mm, 6 x 100mm, 6.5 x 120mm, 8 x 120mm, 10 x 120mm
- Packed in a plastic box



### 5 Piece Masonry Drill Bits Set

0455	Size mm
TACSD5051	5 x 85 to 10 x 120

## Jig Saw Blades

- Metal Progressive HSS Wavy set.
- 5 for Metal
- 12 TPI



### Metal Jig Saw Blade Set, 5 Pieces

0455	TAC51118B
------	-----------

- Metal Fast cut HSS Wavy set.
- 2 x for Wood 8 TPI, 2 x for Metal 12 TPI, 2 x for Aluminium 8 TPI.



### Assorted Jig Saw Blade Set, 5 Pieces

0455	TAC51051
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## Hole Saw Set

- Sizes: 20, 22, 25, 32, 35, 38, 44, 48 and 50mm
- 2 piece hole saw arbours
- Supplied in a strong aluminium case

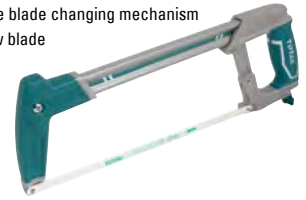


### Bi-metal, 12 Pieces

0455	Size mm
TACSH1121	20-50

## Hacksaws

- Material: heavy-duty steel frame, aluminium/ABS/TPR handle
- Strong and comfortable with adjustable tension
- Quick release blade changing mechanism
- 1 x 65Mn saw blade



### Heavy-duty

0455	Frame Size
THT54106	12"

- Length: 12" (300mm)
- Adjustable handle frame with soft grip
- 1 x 65Mn saw blade
- Supplied on paper card



### Standard

0455	Frame Size
THT54166	12"

## Saw

### 12" Back Saw



0455	TPI
THT59126B	11

- Size: 300 x 140 x 80
- Thickness: 20mm
- 1 piece back saw
- Size: 300mm/12" - 11 TPI



### Mitre Box & Back Saw Set

0455	THT59126
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- Size: 20" / 500mm.
- Material: Taiwan SK57TPI, Heat treated teeth.
- Triple teeth (precision ground on 3 edges).
- Two colour soft grip handle.



### 20" Hand Saw

0455	THT55206D
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## Files

- Length: 8" (200mm)
- 1 x flat steel file
- 1 x half round steel file
- 1 x round steel file
- 1 x triangle steel file
- 1 x square steel file
- Material: T12 steel
- Packed in a double blister



## File Set, 5 Pieces

0455	Length
THT918516	8"



## File Set, 6 Pieces

0455	Size
THT91462	6"

## Riveter

- Length: 10.5"
- Rivet sizes: 2.4, 3.2, 4.0 and 4.8mm
- Material: Aluminium alloy body



## Hand Riveter

0455
THT32105

## Cutting Tools

- Length: 158mm
- 1 x SK5 blade
- Flat push button



## Snap Off Blade Knife

0455	Blade Size mm
THT511802	18 x 100

- Length: 185mm
- 6 x SK5 blades
- Blade locking bolt
- Flat push button
- Material: aluminium body
- Net weight: 220g
- Packed in a double blister



## Snap Off Blade Knife

0455	Blade Size mm
TG5121806	18 x 100

- 6 x SK5 blades
- Material: zinc alloy shell
- Net weight: 256g
- Packed in a double blister



## Utility Knife

0455	Blade Size mm
TG5126101	19 x 61

- Strong aluminium handle
- Length: 9.5cm

## 15 Functions

- 1 x large knife
- 1 x can opener
- 1 x Phillips screwdriver
- 1 x leather punch
- 1 x bottle opener
- 1 x scissors
- 1 x needle
- 1 x slotted screwdriver
- 1 x fish scaler
- 1 x hook remover
- 1 x saw
- 1 x corkscrew
- 1 x nail cleaner
- 1 x nail file
- 1 x key ring
- Packed on a plastic hanger



## Multifunction Knife

0455
THMFK0156



## Folding Knife

0455	Blade Size mm
THT513613	19 x 61

## Wire Brush



0455	Length mm
THT92102	250

## Aviation Snips

- Material: carbon steel
- Supplied on a plastic hanger



## Left Handed

0455	Length
THT521106	10"

- Material: carbon steel
- Supplied on a plastic hanger



## Right Handed

0455	Length
THT523106	10"

- Material: carbon steel
- Supplied on a plastic hanger



## Straight

0455	Length
THT522106	10"

## Pipe Cutters

- Material: aluminium
- Packed in a double blister
- Length: 210mm



## Basic PVC Pipe Cutter

0455	Range mm
THT53351	3-35

- Material: aluminium
- Packed in a double blister



## PVC Pipe Cutter, Automatic Opening

0455	Range mm
THT53422	3-42



## Copper & Aluminium Pipe Cutter

0455	Range mm
THT53321	3-32

## Pliers

- Length: 8" (200mm)
- Material: Cr-V
- Supplied on a plastic hanger



## Wire Stripping Pliers

0455	Length
THT25616	6"

## Cable Cutters

- Length: 6" (154mm)
- Material: Carbon Steel



## 6" Cable Cutter

0455	Length
THT11561	6"

- Length: 10" (254mm)
- Material: carbon steel
- Packed in a half double blister



## Heavy-duty Cable Cutter

0455	Length
THT115102	10"

- Blades Material: 65Mn
- Used for cutting copper and aluminium cable
- Not for cutting ACSR, wire rope, steel or self-supporting strand
- Cutting Area: 450mm<sup>2</sup>
- Body heat treatment, cutting edges induction quenched



Comfortable Rubber Handle



65Mn



Copper and aluminum cables

## Cable Cutter 36"

0455	Length
THT115242	24"
THT115362	36"

- Cr-V blade
- Black finish and polish
- TPR two colour handle



Comfortable Rubber Handle



Cr-V

## Bolt Cutter 42"

0455	Description
THT113426	Cr-V 42"

## Bolt Cutters

- Length: 8" (200mm)
- Material: Cr-V



## 8" Mini Bolt Cutter

0455	Length
THT11386	8"

- Length: 14" (355mm)
- Material: Cr-V



## 14" Bolt Cutter

0455	Length
THT113146	14"

- Material: Cr-V
- Supplied in a poly bag



## 24" Bolt Cutter

0455	Length
THT113246	24"

## Wrecking Bar



## 48" Wrecking Bar

0455	Size mm
THT431482	1200 x 29 x 15

## Sledge Hammer



0455	Description
THT750416	10lb Sledge Hammer



## Hammers

- Drop forged head and fibreglass handle

**Machinist Hammer**

0455	Gram
THT715006	500

- Dropped forged head and fibreglass handle

**Stoning Hammer**

0455	Gram
THT7215006	1500

- Drop forged head and fibreglass handle

**Claw Hammer**

0455	Weight
THT73166	16oz/450g

- Drop forged head and fibreglass handle

**All Steel Claw Hammer**

0455	Weight
THT7143166	16oz/450g

- Drop forged head and fibreglass handle

**Ball Pein Hammer**

0455	Weight
THT74246	24oz/660g

- Fibreglass handle

**Rubber Mallet**

0455	Weight
THT761616	16oz/450g

- Rubber head with fibreglass handle

**Dual Rubber & Plastic Hammer**

0455	Size mm
THT77406	40

- Weight: 2lb
- Non-rebounding
- Non-marring plastic faces
- Non-spark

**Dead Blow Mallet**

0455	Description
THT79021	2lb Dead Blow Mallet



## Chisels

- Material: Cr-V
- Blade width: 6, 12, 19 and 25mm



### Wood Chisel Set, 4 Pieces

0455	Size mm
THT41K0401	6, 12, 19 & 25

- Blade width: 19mm
- Handle size: 16mm
- Supplied on a plastic hanger



### Cold Chisel

0455	Length mm
THT4211016	305

- Head size: 4mm
- Handle size: 16mm
- Supplied on a plastic hanger



### Concrete Chisel

0455	Length mm
THT4221016	305

## High Leverage Pliers

- 1 x 8" (200mm) combination pliers
- 1 x 7" (180mm) diagonal cutting pliers
- 1 x 6" (154mm) long nose pliers
- Material: Cr-V
- Supplied on a plastic hanger



### Combination Plier Set, 3 Pieces

0455
THT2K0301S

- Length: 7" (180mm)
- Material: Cr-V
- Saving 30% strength against standard pliers
- Supplied on a plastic hanger



### Combination Pliers

0455	Length
THT210706S	7"
THT210906S	9"

- Length: 8" (200mm)
- Material: Cr-V
- Supplied on a plastic hanger



### 8" Combination Pliers

0455	Length
THT210806	8"

- Length: 6" (154mm)
- Material: Cr-V
- Supplied on a plastic hanger



### Long Nose Pliers

0455	Length
THT220606	6"

- Length: 8" (200mm)
- Material: Cr-V
- Supplied on a plastic hanger



### Long Nose Pliers

0455	Length
THT220806S	8"

- Length: 7" (180mm)
- Material: Cr-V
- Supplied on a plastic hanger



### Cutting Pliers

0455	Length
THT230706	7"



## Pliers

- Length: 6" (154mm)
- Material: Cr-V
- Supplied on a plastic hanger



## End Cutting Pliers

0455	Length
THT260606	6"

- Length: 8" (200mm) and 10" (254mm)
- Material: Cr-V
- Supplied on a plastic hanger



## Rabbit Pliers

0455	Length
THT2881	8"
THT28101	10"

- Length: 6" (154mm)
- Material: Cr-V
- Supplied on a plastic hanger



## Carpenters Pliers

0455	Length
THT290801	8"



## 4 Piece Circlip Plier Set

0455	Length
THT114041	

- Length: 6" (152mm)
- Material Cr-V
- Supplied on a plastic hanger



## Bent Nose Pliers

0455	Length
THT24616	6"

- Length: 10" (254mm)
- Material: Cr-V
- Supplied on a plastic hanger



## Pump Pliers

0455	Length
THT281006	10"

- Length: 8" (200mm)
- Material: Cr-V
- Supplied on a plastic hanger



## Slip Joint Pliers

0455	Length
THT118082	8"

- Material: Cr-V nickel plated
- Packed in a half double blister



## Curved Jaw Locking Pliers

0455	Length
THT191001	10"

- Material: Cr-V nickel plated
- Supplied on a plastic hanger



## Straight Jaw Pliers

0455	Length
THT191002	10"

- Chain size: 470mm (18.5")
- Material: Cr-V nickel plated
- Supplied in a colour box



## Chain Clamp Locking Pliers

0455	Length
THT1941001	10"

- Maximum opening: 70mm
- Material: Cr-V nickel plated
- Supplied on a plastic hanger



## Welding Pliers

0455	Length
THT1921001	10"

- Length: 10" (254mm)
- With sharp edge for cutting and push down wire function
- Will strip 6 wire sizes and 5 copper screw sizes
- Supplied on sliding card



## Wire Stripping Pliers

0455	Length
THT15101	10"



## Wrenches

- Supplied on a plastic hanger
- 6" adjustable clamp size diameter 0-24mm
- 8" adjustable clamp size diameter 0-30mm
- 10" adjustable clamp size diameter 0-35mm
- 12" adjustable clamp size diameter 0-41mm



### Adjustable Wrenches

0455	Length
THT101066	6"
THT101086	8"
THT101106	10"
THT101126	12"

- Material: heavy-duty carbon steel



### 90° Swedish Pipe Wrenches

0455	Description
THT172011	1"
THT172021	2"

- Body material: ductile cast iron



### Pipe Wrenches

0455	Length	Max. Clamping Diameter mm
THT170806	8"	27
THT171206	12"	42
THT171186	18"	60
THT171246	24"	76
THT171366	36"	85
THT171486	48"	110

- 1 piece double open end wrench: 9-14mm, 15-22mm
- 1 piece single open end wrench, 23-32mm
- Chrome plated
- TPR two colour handle



### Bent Wrench Set (2 Pieces)

0455	Length
THT10309328	2 Piece Bent Wrench Set

- Size: 10"/250mm.
- Clamping diameter: 14-40mm.
- Carbon steel.
- Black finish and polish.
- Packed by poly bag.



### Ratcheting Pipe Wrench 10"

0455	Length mm
THT171102	14-40

- Size: 14"/350mm.
- Clamping diameter: 18-52mm.
- Carbon steel.
- Black finish and polish.
- Packed by poly bag.

### Ratcheting Pipe Wrench 14"

0455	Length mm
THT171142	18-52

## Screwdrivers

- Material: Nickel plated
- 10 piece set: PH2 and SL6.0 (65mm)
- Supplied in a plastic box



### Double Ended Bits Set, 10 Pieces

0455
TAC16HL133

- PH1, PH2, PH3, SL4.0, SL5.5, SL6.5, PZ1, PZ2
- 1 x magnetic bit holder with quick release
- Material: S2 industrial steel, magnetic



### Screwdriver Set, 9 Pieces complete with Bit Holder

0455
TACSD3091

- Material: Cr-V
- Size: 3/6mm, 6/8mm, 8/11mm, 11/14mm, and 14/18mm
- Supplied in a plastic box



### Screw Extractor, 5 Pieces

0455
TACSE0051



### Slotted Head

0455	Size mm	Length mm
THT2146	5	100
THT2166	6	150

- Material: Cr-V



### Phillips Head

0455	Size	Diameter mm	Length mm
THT2246	PH1	5	100
THT2266	PH2	6	100
THT22386	PH2	6	38



## Screwdrivers

- Material: Cr-V



### Pozi Head

0455	Size	Diameter mm	Length mm
THT2446	PZ1	5	100
THT2466	PZ2	6	100



### Torx Head

0455	Type	Diameter mm	Length mm
THT2346	T10	5	100
THT2366	T20	6	150

- Material: S2 industrial steel



### Go-thru Screwdriver, Slotted Head

0455	Size mm	Length mm
THTGTS6100	6.5	100
THTGTS6150	6.5	150
THTGTS8150	8.0	150
THTGTS8200	8.0	200

- Material: S2 industrial steel



### Go-thru Screwdriver, Phillips Head

0455	Size	Diameter mm	Length mm
THTGTSPH2100	PH2	6	100
THTGTSPH2150	PH2	6	150
THTGTSPH3150	PH3	8	150
THTGTSPH3200	PH3	8	200

- Material: Cr-V
- 1 x SL6.5 - 6" (125mm)
- 1 x Phillips PH2 - 6" (125mm)
- Supplied on a plastic hanger



### Screwdriver Set, 2 Pieces

0455
THT250201

- Material: Cr-V
- 1 x SL5.5 (75mm) 1 x SL5.5 (100mm) 1 x SL6.5 (150mm) 1 x PH1 (75mm) 1 x PH1 (100mm) and 1 x PH2 (150mm)
- Supplied on a hanger card



### Screwdriver Set, 6 Pieces

0455
THT250606

- Ergonomic comfort-grip handle
- SL2.0 x 50, SL2.5 x 50, SL3.0 x 50, PH00 x 50, PH0 x 50, T6 x 50, T8 x 50
- Material: Cr-V



### Precision Screwdriver Set, 7 Pieces

0455
THT250726

- Material: Cr-V
- 1 x SL3.0 (75mm), 1 x SL5.5 (100mm), 1 x SL6.5 (150mm) 1 x SL6.5 (38mm), 1 x PH0 (75mm), 1 x PH1 (75mm), 1 x PH2 (125mm) and 1 x PH2 (38mm)
- Supplied on a hanger card



### Screwdriver Set, 8 Pieces

0455
THT250608

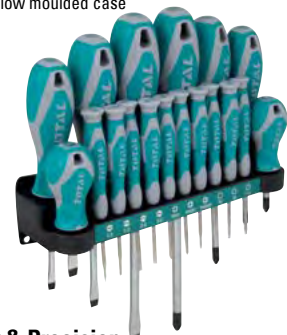
- Material: Cr-V
- 1 x SL3.0 (75mm), 1 x SL4.0 (100mm), 1 x SL5.5 (125mm), 1 x SL6.5 (150mm), 1 x SL8.0 (200mm), 1 x SL6.5 (38mm), 1 x PH0 (60mm), 1 x PH1 (80mm), 1 x PH2 (100mm) and 1 x PH3 (150mm)
- Supplied on a hanger card



### Screwdriver Set, 10 Pieces

0455
THT250610

- 8 piece screwdrivers:
  - SL5.5 (75mm), SL6.5 (100mm), SL8.0 (150mm), SL6.5 (38mm), PH1 (75mm), PH2 (100mm), PH3 (150mm) and PH2 (38mm)
- 10 piece precision screwdrivers:
  - SL1.5 x 50, SL2 x 50, SL2.5 x 50, SL3 x 50, PH000 x 50, PH00 x 50, PH0 x 50, T6 x 50, T8 x 50 and T10 x 50
- Supplied in a blow moulded case



### Screwdriver & Precision Screwdriver Set, 18 Pieces

0455
THT250618





## Screwdrivers

- 1000V VDE
- Material: Cr-V



### Insulated Screwdriver, Slotted Head

0455	Size mm	Length mm
THTIS4100	4.0	100
THTIS5125	5.5	125
THTIS6150	6.5	150



### Insulated Screwdriver, Pozi Head

0455	Size mm	Length mm
THTISPZ2100	PZ2	100

- 6 pieces insulated screwdriver set:  
1 x SL3.0 (75mm), 1 x SL4.0 (100mm), 1 x SL6.5 (150mm),  
1 x PH0 (60mm), PH1 (80mm), PH2 (100mm)
- Aluminium frame
- Round shank



### Insulated Screwdriver Set, 6 Pieces

0455	Description
THTIS566	6 Pieces Insulated Screwdriver Set

- Folding Handle,
- High quality ratchet mechanism.
- 12 pieces 6.35 to 25mm Screwdriver bits.
- Size: SL4, SL5, SL6, SL7, PH0



### 13 in 1 Ratchet Screwdriver Set

0455	Description
TACSD30136	13 in 1 Ratchet Set

- 9 x screwdriver bits, SL4, SL5, SL6, PH1, PH2, PH3 and PZ1
- 5 x 1/4" sockets, 5, 6, 8, 10 and 12mm
- 1 x ratchet screwdriver handle (36T)



### 15 in 1 Ratchet Screwdriver Set

0455	Description
TACSD30156	15 in 1 Ratchet Set

- Material: Cr-V
- 1 x Ratchet Holder,
- 18 x 65mm Screwdriver bit: PH0, PH1, PH2, PH3 PZ1, PZ2, PZ3, SL3, SL4, SL5, SL6, SL7 T10, T15, T20, T25, T27 and T30
- Sockets: 5mm, 6mm, 7mm, 8mm, 9mm and 10mm
- Supplied in a bag and double blister



### Screwdriver & Bit Set, 26 Pieces

0455	Description
TACSD30266	Screwdriver & Bit Set, 26 Pieces

- 1 x 7 in 1 unique design industrial ratchet handle
- 20 x 6.35 x 25mm screwdriver bits, SL3, SL4, SL5, SL6 x 2, PH0, PH1, PH2, PH3, PZ1, PZ2, T10, T15, T20, T25, T30, HEX3, HEX4, HEX5
- 1 x 4-6mm (25mm) bits adaptor
- 9 x 1/4" x 20.5mm sockets, 4, 5, 6, 7, 8, 9, 10, 11 and 12mm
- 1 x 125mm strong magnetic bits holder
- 1 x 75mm strong magnetic bits holder
- Supplied in a plastic box



### Screwdriver & Bit Set, 33 Pieces

0455	Description
TACSD30336	Screwdriver & Bit Set, 33 Pieces

- 1 x T-handle ratchet wrench
- 9 x 6.35 x 25mm screwdriver bits, SL4, SL5, SL6, PH1, PH2, PH3, PZ1, PZ2, PZ3
- 1 x 5 x 100mm strong magnetic bit holder
- 1 x 4-6mm (25mm) adaptor
- 6 x 1/4" sockets, 5, 6, 7, 8, 9 and 10mm
- Supplied in a plastic box



### T-handle Wrench Screwdriver Set, 18 Pieces

0455	Description
TACSD30186	T-handle Wrench Screwdriver Set, 18 Pieces

- Material: Cr-V
- 20 x 6.35 x 25mm screwdriver bits: PH0, PH1, PH2, PH2, PH3, SL3, SL4, SL5, SL6, SL8, HEX3, HEX4, HEX5, PZ1, PZ2, T10, T15, T20, T25 and T30
- 1 x 4-6mm (25mm) bits adaptor.
- 1 x 1/4"-3/8" socket adaptor.
- 1Pcs 125mm magnetic bits holder.
- 1Pcs 75mm magnetic bits holder.
- 1 x industrial ratchet.
- Supplied in a plastic box



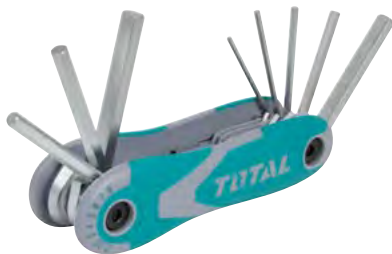
### T Handle Wrench Screwdriver Set, 25 Pieces

0455	Description
TACSD30256	T Handle Wrench Screwdriver Set, 25 Pieces



Hexagonal Keys

- Material: Cr-V
- Heat treated and chrome plated



Metric Pocket Pack, 8 Pieces

0455	Size mm
THT1061826	2-8

- Material:Cr-V.
- Size:1.5 - 10mm.
- Long arm.
- Heat treated and chrome plated.
- Packed by double blister.



9 Piece Hex Key Set Long Arm

0455	Size mm
THT106191	Cr-V 1.5-10mm

- Material: Cr-V
- Heat treated and chrome plated



Ball Point Pocket Pack, 8 Pieces

0455	Size mm
THT1061836	2-8

- 9 x keys, 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0 and 10mm
- Material: Cr-V
- Heat treated and chrome plated

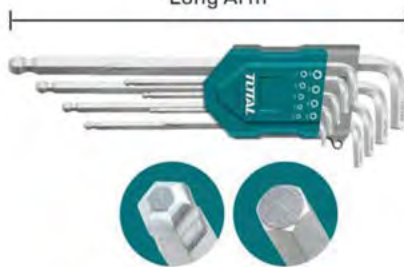


Ball Point Long Arm Set, 9 Pieces

0455	Size mm
THT106291	1.5-10

- Material: Cr-V Size: 1.5-10mm
- Extra-long arm
- Heat treated and chrome plated

Long Arm



9 Piece Ball Point Hex Key Set Extra Long Arm

0455	Size mm
THT106292	1.5-10

- Material: Cr-V
- Heat treated and chrome plated



Torx Key Pocket Pack, 8 Pieces

0455	Size
THT1061846	T9-T40

- 9 x keys, T10, T15, T20, T25, T27, T30, T40, T45 and T50
- Material: Cr-V
- Heat treated and chrome plated



Torx Key Long Arm Set, 9 Pieces

0455	Size
THT106391	T10-T50



## Socket Sets

### 1/2" drive (33 pieces)

- 19 x 1/2" hex sockets, 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 30 and 32mm
- 5 x 1/2" star sockets, W10, E12, E14, E16, E20
- 1 x 1/2" flex handle, 375mm
- 2 x 1/2" extension bars, 75mm (3"), 250mm (10")
- 1 x 1/2" universal joint
- 1 x three way adaptor 1/2" to 3/8"
- 2 x spark plug sockets, 16 and 21mm
- 1 x 1/2" L-handle, 250mm (10")
- 1 x 1/2" ratchet wrench (45T)

### 3/8" drive (19 pieces)

- 15 x 3/8" 12 point sockets, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21 and 22mm
- 2 x 3/8" extension bars 75mm (3"0, 150mm (6")
- 1 x 3/8" universal joint
- 1 x 3/8" ratchet wrench (45T)

### 1/4" drive (49 pieces)

- 26 x 1/4" screwdriver bits (25mm) PH0, PH1, PH2, PH2, PH3, PZ0, PZ1, PZ2, PZ3, SL4, SL5.5, SL7, H2, H3, H4, H5, H6, H7, H8, H10, T10H, T15H, T20H, T25H, T27H, T30H and T40H
- 1 x bit holder
- 9 x 1/4" hex sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9 and 10mm
- 5 x 1/4" star sockets E4, E5, E6, E7 and E8
- 3 x 1/4" extension bars 50mm (2"), 100mm (4"), 150mm (6")
- 1 x 1/4" universal joint
- 1 x three way adaptor 3/8" to 1/4"
- 1 x 1/4" spinner handle, 150mm
- 1 x 1/4" flexible extension bar, 150mm
- 1 x 1/4" ratchet wrench (45T)

### Other tools (41 pieces)

- 17 x combination spanners, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 and 24mm
- 5 x flare nut spanners, 8 x 10, 10 x 12, 11 x 13, 12 x 14 and 17 x 19mm
- 10 x hex keys, 2.5, 3, 4, 5, 6, 7, 8, 10, 12 and 14mm
- 1 x machinist hammer, 300g
- 1 x combination pliers, 7"
- 1 x curved jaw lock pliers, 10"
- 2 x slotted screwdrivers (S2), SL6.5 x 100mm, SL6.5 x 150mm
- 2 x Phillips screwdrivers (S2), PH2 x 100mm, PH2 x 150mm
- 2 x stubby screwdrivers, PH2 x 38mm, SL6.5 x 38mm
- Supplied in a blow moulded carry case



**Combination Socket Set, 142 Pieces**

0455  
THKTHP21426



**162 Piece Tool Chest Set**

0455  
THPTCS71621 162 Piece Mobile Tool Chest



**120 Piece Tools & Accessories**

0455  
THKTAC01120



**59 Piece Tool Chest Set**

- 0455  
THTCS12591
- 13 x 1/4" sockets, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 and 14mm
  - 1 x 1/4" universal joint
  - 2 x 1/4" extension bars, 50mm (2"0, 100mm (4")
  - 1 x 1/4" spinner handle, 150mm
  - 1 x 1/4" ratchet wrench (45T)
  - 20 x screwdriver bits, PH1, PH2, PH3, PZ1, PZ2, PZ3, SL4, SL5, SL6, H1.5, H2, H3, H4, H5, H6, T10, T15, T25, T30
  - 1 x screwdriver bits holder
  - 1 x 1/4" flexible extension bar, 150mm
  - 1 x 1/4" sliding T-bar, 114mm
  - 4 x hex key wrench, 1.5, 2.0, 2.5, 3.0mm
  - Material: Cr-V (50BV30), heat treated
  - Supplied in a blow moulded carry case



**1/4" Drive Socket Set, 45 Pieces**

0455  
THT141451 Size mm 4-14

### 1/4" drive sockets

- 13 x 1/4" sockets, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 and 14mm
- 1 x 1/4" universal joint
- 2 x 1/4" extension bars, 50mm (2"), 100mm (4")
- 1 x 1/4" sliding T bar, 114mm
- 1 x 1/4" flexible extension bar, 150mm
- 1 x 1/4" ratchet wrench (45T)

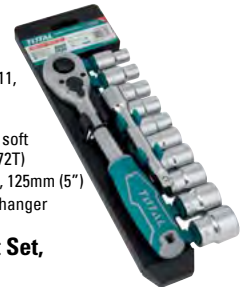
### 1/2" drive sockets

- 18 x 1/2" sockets, 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30 and 32mm
- 1 x 1/2" universal joint
- 2 x 1/2" extension bars, 125mm (5"), 250mm (10")
- 1 x 1/2" sliding T bar, 250mm (10")
- 2 x spark plug sockets, 16 and 21mm
- 1 x 1/2" ratchet wrench (45T)
- Supplied in a blow moulded carry case



**1/4" & 1/2" Drive Socket Set, 44 Pieces**

0455  
THT421441 Size mm 10-24 (1/4") Size mm 8-32 (1/2")



**1/2" Drive Socket Set, 12 Pieces**

0455  
THT141121 Size mm 10-24

- 10 x 1/2" sockets, 10, 11, 12, 13, 14, 15, 17, 19 and 24mm
  - 1 x 1/2" quick release soft grip ratchet wrench (72T)
  - 1 x 1/2" extension bar, 125mm (5")
  - Supplied on a plastic hanger
- 18 x 1/2" sockets, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30 and 32mm
  - 1 x 1/2" universal joint
  - 2 x 1/2" extension bars, 125mm (5"), 250mm (10")
  - 2 x spark plug sockets, 16 and 21mm
  - 1 x 1/2" ratchet wrench (45T)
  - Material: Cr-V (50BV30), heat treated
  - Supplied in a blow moulded carry case



**1/2" Drive Socket Set, 25 Pieces**

0455  
THT121251 Size mm 10-32





## Socket Drives

- (45T)
- Material: Cr-V + Cr-Mo
- Supplied on a plastic hanger



### Ratchet Wrench

0455	Size	Length mm
THT106146	1/4"	158
THT106386	3/8"	205
THT106126	1/2"	260

## Socket Sets



### 1/2" Drive 6 Point Sockets

0455	Size mm
THTST12081	8
THTST12091	9
THTST12101	10
THTST12111	11
THTST12121	12
THTST12131	13
THTST12141	14
THTST12151	15
THTST12161	16
THTST12171	17
THTST12181	18
THTST12191	19
THTST12201	20
THTST12211	21
THTST12221	22
THTST12231	23
THTST12241	24
THTST12251	25
THTST12261	26
THTST12271	27
THTST12281	28
THTST12291	29
THTST12301	30
THTST12321	32

## Spanner Sets

- 6, 8, 10, 12, 14, 15, 17 and 19mm
- Fine polished
- Supplied on a plastic hanger



### Combination Spanner Set, 8 Pieces

0455	Size mm
THT102286	6-19

- 6, 8, 10, 11, 12, 13, 14, 15, 17, 19, 22 and 24mm
- Fine polished
- With roll pouch



### Combination Spanner Set, 12 Pieces

0455	Size mm
THT1022121	6-24

- 6, 8, 10, 12, 14, 17, 19, 22, 24, 27, 30 and 32
- Fine polished
- With roll pouch



### Combination Spanner Set, 12 Pieces

0455	Size mm
THT1022122	6-32

- 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28 and 30 x 32mm
- Fine polished
- With roll pouch



### 8 Piece Double Open End Spanner Set 6-22mm

0455	Size 1	Size 2
THT102386	6 x 7, 8 x 9, 10 x 11, 12 x 13 mm	14 x 15, 16 x 17, 18 x 19, 20 x 22 mm

- 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28 and 30 x 32mm
- Fine polished
- With roll pouch



### Double Open End Spanner Set, 12 Pieces

0455	Size mm
THT1023121	6-32

- 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19 and 20 x 22mm
- Fine polished
- Supplied on a plastic hanger



### Offset Ring Spanner Set, 8 Pieces

0455	Size mm
THT102486	6-22

- 6 x 7, 8 x 9, 10, x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28 and 30 x 32mm
- Fine polished
- With roll pouch



### Offset Ring Spanner Set, 12 Pieces

0455	Size mm
THT1024121	6-32

- High quality Cr-Mo ratchet 8, 10, 12, 13, 14, 15, 17 and 19mm
- Fine polished Cr-V
- Supplied on a plastic hanger



### Ratchet Spanner Set, 8 Pieces

0455	Size mm
THT102RK086	8-19

- 19, 22, 24, 27, 30 and 32mm
- Fine polished Cr-V
- With canvas bag



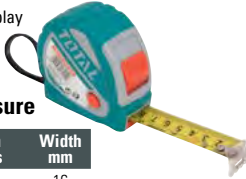
### Ratchet Spanner Set, 6 Pieces

0455	Size mm
THT102RK061	19-32



## Measuring Equipment

- 3 stop button function
- Metric and inch display
- Rubber cover



### Steel Tape Measure

0455	Length Metres	Width mm
TMT126031	3	16
TMT126052	5	25
TMT126101	10	25

- 3:1 Gear ratio for fast rewind
- Width: 12.5mm
- Metric and inch scale
- Rubber cover
- Intergrated handle for convenient storage



### Fibreglass Tape Measure

0455	Length Metres
TMTF12306	30

- Reading: 0.01mm metric/inch system conversion in any position
- Supplied in a plastic box



### Digital Caliper

0455	Range mm
TMT321501	0-150
TMT322001	0-200

- Measuring range: 0.2-40 metres
- Supplied in a plastic box



### Laser Distance Detector

0455	Accuracy
TMT5401	+/- 2.0mm

## Garage Floor Jack

### Features:

- Heavy-duty floor jack
- Safety overload system to prevent use beyond limits (automatic safety valve).
- Two piece handle for easy transport and storage.
- 360° swivel castors.
- Wide stance frame for better stability.
- Twist gear release mechanism.



### 3 Ton

0455	Capacity Tn	Min Height mm	Max Height mm
THT10832	3	135	410

## Clamps



### Bench Vice

0455	Maximum Force Kgs
THT6146	1300
THT6186	2500

- Body material: malleable cast iron
- Thread: T-shaped
- Supplied in a poly bag



### G Clamp

0455	Size
THT13141	4"
THT13161	6"

- Clamp size: 50 x 200mm
- Max clamp force: 170kgs
- Thickness and width of iron ruler: 5 x 15mm
- Diameter of screw thread : 11mm



### F Clamp, 200mm

0455	Size mm	Force Keys
THT1320502	200	170

- Clamp Size: 80 x 300mm
- Max Clamp Force: 270kgs
- Thickness and Width of Iron Ruler: 6 x 22mm
- Diameter of Screw Thread: 13mm

### F Clamp, 300mm

0455	Size mm	Force Keys
THT1320801	300	270

- Clamp size: 120 x 400mm
- Max clamp force: 450KGS
- Thickness and width of iron ruler: 8 x 30mm
- Diameter of screw thread:15.3mm

### F Clamp, 400mm

0455	Size mm	Force Keys
THT1321202	400	450

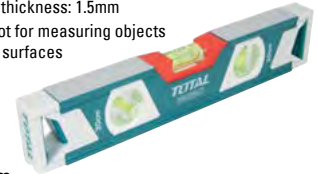
- Clamp size: 140 x 1000mm
- Max clamp force: 450KGS
- Thickness and width of iron ruler: 8 x 30mm
- Diameter of screw thread:15.3mm

### F Clamp, 1000mm

0455	Size mm	Force Keys
THT1321401	1000	450

## Spirit Levels

- Double side milled
- 0.5mm/m accurate vials
- Aluminium thickness: 1.5mm
- V-shape slot for measuring objects with round surfaces



### Aluminium

0455	Length cm
TMT2306	30
TMT2806	80
TMT22006	200

- Double side milled
- 0.5mm/m accurate vials
- Aluminium thickness: 1.5mm
- Fitted with 3 powerful magnets
- Double flat surface design



### Magnetic

0455	Length cm
TMT20605M	60
TMT21005M	100
TMT21505M	150

## Tool Box

- 495 x 200 x 290mm



### Metal Cantilever Tool Box

0455
THT10701





## Tool Pouches & Bags

- Reinforced plastic base
- Adjustable shoulder strap



### 24" Rigid Frame Tool Bag

0455  
THT16241

- Adjustable belt: 92 -127cm



### Single Tools Pouch

0455 Adjustable Belt cm  
THT16P2031 92-127



### Single Tools Pouch

0455  
THT16P1011

## Lighting



### Rechargeable Work Lamp

0455  
TWL3600LI

## Flashlight

- Material: Aviation grade aluminium alloy: 6N01-T6
- U.S.A. manufactured
- Cree XPE2 R3 LED 3W
- Lumen: 135
- Beam distance: 200m
- Lifespan: 100000 hours
- Batteries: 3 x AAA
- Runtime: 5 hours
- Tail light switch
- Waterproof grade: IPX-4
- Weight: 105g (without batteries)



### Aviation Grade

0455	Diameter mm	Length mm
TFL013AAA1	32	126.5

- Aviation grade aluminium alloy: 6N01-T6
- Brightness:
  - Max: 400 lumens
  - Mid: 150 lumens
  - Low: 50 lumens
- Uses 18650 Li-ion battery
- High light 4H runtime
- Low light 18H runtime
- Diameter/length: 27.5mm/158.3mm
- Net weight: 157g



### Rechargeable Aviation Grade Flashlight 5W (400 Lumen)

0455	Description
TCFL186503	Rechargeable Flashlight 400 Lumen

## Headlamp

0455  
THL013AAA2



## Grease Gun

- Capacity: 400cc/14oz
- Loading: 14oz cartridge/400cc bulk
- Working pressure: 4500 - 10,000psi
- Burst pressure: 14000psi
- Material: 1.2mm steel tube and aluminium casting
- Standard accessories:
  - 1 x 12" high pressure flexible nylon hose,
  - 1 x metallic bend spout



### Heavy-duty

0455  
THT11051



### Replacement 4 Jaw Coupler, Female Thread, NPT

0455	Thread
TGGC111051	1/8"

## Caulking Gun

- Length: 235mm
- Diameter: 51mm
- Smooth rod: 8.0mm with teeth and cutter



### Skeleton

0455  
THT20409

## Gloves

- For use with heavy cargo handling, sharp objects, etc.
- Latex with a cotton/polyester seamless knitted shell
- Textured palm grip for extra grip and durability
- Packed in a poly bag



### Latex Gloves XL

0455	Size
TSP13101	10

- For use in an oil environment
- Nitrile coated palm, smooth and rough texture finish
- Packed in a poly bag



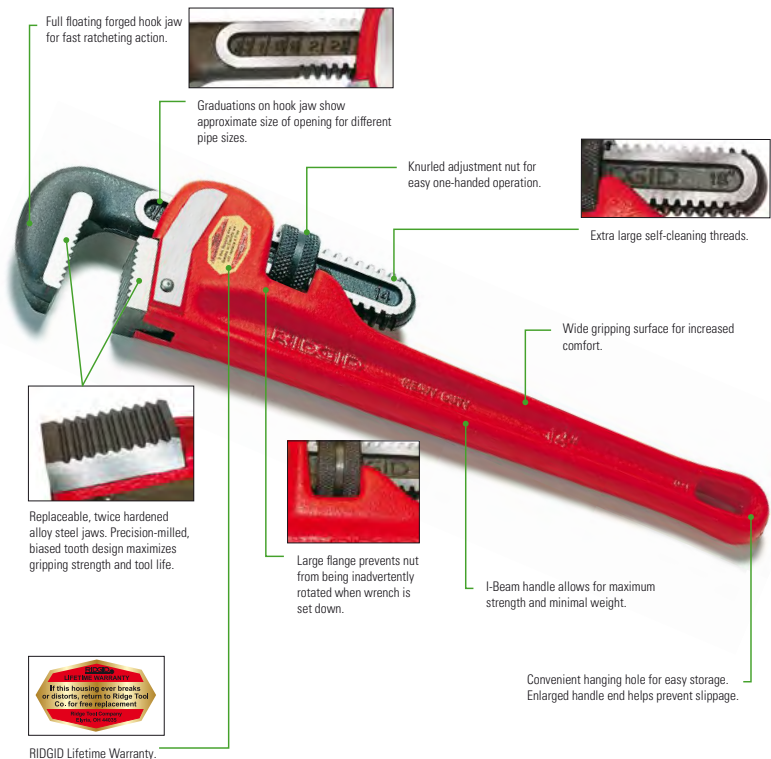
### Nitrile Gloves XL

0455	Size
TSP12101	10

# PROFESSIONAL TOOLS

RIDGID® pipe wrenches are world-renowned for their unsurpassed toughness and serviceability. The original heavy-duty pipe wrench, pictured here, has earned the confidence of pipe professionals for over 80 years because it does the job right the first time, every time.

RIDGID® pipe wrenches are also available in a wide variety of purpose-built configurations, and are available with cast aluminium handles that offer an average 40% weight reduction.



## Pipe Wrenches

- Sturdy, cast-iron housing
- I-beam handle
- Full floating forged hook jaw
- Self cleaning threads with replaceable hook and heel jaws



- Features a jaw opening parallel to the handle and a narrower hook jaw head
- Provides easy entry into tight spots



### Heavy-duty Pipe Wrenches

0494	Ø mm	Length mm	Model	Kg
31020	50	350	14	1.6
31025	65	450	18	2.6
31030	80	600	24	4.4

Tech Sheet 60448

### Heavy-duty Offset Pipe Wrenches

0494	Ø mm	Length mm	Model	Kg
89435	50	350	14	1
89440	65	450	18	2.6
89445	80	600	24	4.4

Tech Sheet 60448

- Jaws and all other parts identical to RIDGID® heavy-duty wrenches
- All the great benefits of the heavy-duty RapidGrip wrench
- Professional strength in lightweight aluminium
- Nearly 40% lighter than comparable cast iron wrenches
- 35% lighter than heavy-duty models
- Ideal for overhead applications
- Offers the same durability and ease-of-use found in all RIDGID® heavy-duty wrenches



- Features a jaw opening parallel to the handle and a narrower hook jaw head
- Provides easy entry into tight spots



### Aluminium Pipe Wrenches

0494	Ø mm	Length mm	Model	Kg
31095	50	350	814	1.1
31100	65	450	818	1.7
31105	80	600	824	2.7

Tech Sheet 60448

### Aluminium Offset Pipe Wrenches

0494	Ø mm	Length mm	Model	Kg
31120	50	350	14	0.9
31125	65	450	18	1.6
31130	80	600	24	2.7

Tech Sheet 60448



## Pipe/Tube Cutting & Preparation

- Specifically designed for use in restricted spaces on small diameter, hard and soft copper, aluminium, brass and plastic tubing
- Rollers include grooves for close-to-flare cuts
- Strong, lightweight slide and wheel housing
- Large knurled feed screw knob gives easy control of cutting pressure for clean cuts
- Models 117 and 118 include a self-feeding cutter wheel that automatically cuts after tightening the knob once (AUTOFEED®)
- Model 118 features a special knob for easier tightening of the feed screw
- Model 101-ML is for multi-layer tubing only



### Midget Cutters for Close Quarters Tubing

0494	Capacity mm	Type	Model	Kg
40617	6 - 28	Midget Cutter	101	0.23
32975	3 - 16	Midget Cutter	103	0.15
32985	5 - 24	Midget Cutter	104	0.15
97787	5 - 24	AUTOFEED Midget Cutter	117	0.15
32573	6 - 28	AUTOFEED 2-in-1 Midget Cutter with Ratchet Handle	118	0.48
32933	—	Ratchet Handle only for 118 & 101 Midget Cutters	118	0.26
21938	6 - 28	Midget Cutter for Multilayer Tubing	101-ML	0.15

Tech Sheet 60451

- For plastic (PVC, CPVC, PP, PEX, PE) and multilayer tubing
- Spring-loaded handles for faster positioning
- Single stroke, easy cut
- Durable aluminium construction for heavy-duty use
- Easy attachable ML adaptor for improved multi-layer cutting and instant re-rounding of tubing

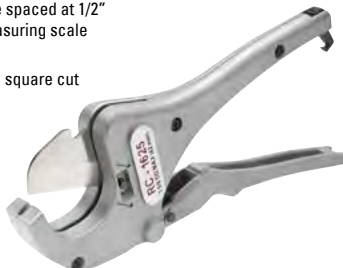


### Plastic & Multi-layer Pipe Cutters

0494	Capacity mm	Type	Model	Kg
23493	6 - 25	Single Stroke Tubing Cutter	PC-1375 ML	0.34

Tech Sheet 60451

- Ergonomic grips on bottom handle are spaced at 1/2" increments to act as a quick pipe-measuring scale
- X-CEL® quick-change blade
- Burr-less cutting operation provides a square cut
- For plastic (PVC, CPVC, PP, PEX, PE), rubber hose and multi-layer tubing



### Ratchet Cutters with Ergonomic Grips

0494	Capacity mm	Type	Model	Kg
23498	3 - 42	Ratchet Action Plastic Pipe & Tubing Cutter	RC-1625	0.52

Tech Sheet 60451

### X-CEL® Means Speed

Many of our most popular tubing cutters now include several X-CEL® features to make your job quicker and easier.

- X-CEL® Knob – cut tubing more quickly and easily with our larger, more ergonomic designs
- X-CEL® Wheel Pin – change your cutter wheel quickly using our new ball detent design, no tool needed, no lost clips!
- Spare cutter wheels included for maximum uptime

### Enclosed Feed Tubing Cutters with New X-CEL® Features:

- Telescoping feed screw design keeps the cutter at the same length regardless of tubing diameter – good for tight spaces
- Enclosed feed screw to eliminate clogging and jamming
- Grooved rollers for close-to-flare cuts
- Fold-away reamer
- Now includes X-CEL® Knob and X-CEL® Pin for quicker cutting and wheel replacement
- Made from high-strength zinc alloy
- Spare cutter wheel included in the knob
- Cuts hard/soft copper, aluminium, brass and multilayer tubes



### Enclosed Feed Tubing Cutters, X-CEL Features, for Copper Tube

0494	Capacity mm	Type	Model	Kg
66737	6 - 35	Enclosed Feed Cutter	150L	0.44
33055	6 - 60	Ratcheting Enclosed Feed Cutter	205L	0.91

Tech Sheet 60451



### Enclosed Feed Tubing Cutters, X-CEL Features, for Stainless Steel Tube

0494	Capacity mm	Type	Model	Kg
29963	6 - 35	Enclosed Feed Cutter	150L	0.47
31803	6 - 60	Ratcheting Enclosed Feed Cutter	205L	0.91

Tech Sheet 60451



## Pipe Bending Equipment

- Combines accuracy with easy operation
- Designed for bending copper, steel and stainless steel ( $\leq 1.5\text{mm}$ ) to a maximum of  $180^\circ$
- Offset cushion grip handles for comfort when forming  $180^\circ$  bends
- A  $90^\circ$  start angle and unique oil-absorbing shoe minimise bending effort while forming accurate bends in copper and steel tubing



### 400 Series Instrument Benders

0494	OD mm	Bend Radius mm	Model	Kg
36112	6	16	406M	0.68
36092	8	24	408M	1.18
36127	12	38	412M	2.45

Tech Sheet 60458

- The stainless steel specialist
- High quality bending performance on stainless steel and other hard tubing such as steel and titanium
- Two-stage design allows for in-place bending from  $90^\circ$  to  $180^\circ$  without ever crossing handles
- Lock/unlock with a half-turn rotation of the bending handle
- Extra long 16" (40cm) handles increase leverage, and roll dies in the bending form reduce force needed
- Vice clamp built into bending form for extra stability



### 600 Series Heavy-duty Instrument Benders

0494	OD mm	Bend Radius mm	Model	Kg
38053	6	16	606M	0.76
38058	10	24	610M	1.84
38063	12	38	612M	2.76

Tech Sheet 60458



# CALIPERS, MICROMETERS & MAGNIFYING GLASSES

## Stainless Steel Rule



### Semi-rigid, Satin Chrome Finish

0217	Length mm	Width mm	Thickness mm
1056-01	300	30	0.8
1056-02	500	30	0.8
1056-03	1000	30	0.8

## Calipers



### Carbon Steel, Satin Chrome Finish

0217	Accuracy mm	Range mm	Overall Length mm
2016	1/20	0-150	230



### Stainless Steel, Satin Chrome Finish

0217	Accuracy mm	Range mm	Overall Length mm
N2217	1/20	0-150	230
N2217T	1/20	0-150	230
N2220	1/20	0-200	290
N2350	1/20	0-300	410

N2217T comes with set-screw lock.



### Digital, Carbon Steel, Satin Chrome Finish

0217	Accuracy mm	Range mm	Jaw Depth
CDE	0.02	0-150	0-40

## Outside Micrometer



### Carbon Steel, Satin Chrome Finish

0217	Accuracy mm	Range mm	Diameter mm
M100/A	0.01	0-25	6.5
M100/B	0.01	25-50	6.5
M100/C	0.01	50-75	6.5
M100/D	0.01	75-100	6.5



### Digital, Carbon Steel, Satin Chrome Finish

0217	Accuracy mm	Range mm	Diameter mm
DM100/A	0.01	0-25	6.5
DM100/B	0.01	25-50	6.5
DM100/C	0.01	50-75	6.5
DM100/D	0.01	75-100	6.5

## Magnifying Glass



### Pocket Type

0217	Size mm	Magnification
9271	15 x 15	x7
9273	25 x 25	x6



### With Plastic Handle

0217	Ø mm	Magnification
MD-9205	90	x2



# SECTION 15

## Engineering Consumables



- Tygris Paint Sprays
- Tygris Cleaning Sprays
- Tygris Engineering Lube Sprays
- Tygris Maintenance Sprays
- Tygris Greases & Oils
- Rust-oleum Maintenance Sprays
- Rust-oleum Maintenance Paints
- WD-40 Lubricants
- Loctite Ranges
- Penloc Ranges
- Eurobond Ranges
- Malleable Pipe Jointing
- Adhesive Tapes
- Safety Tapes
- Barrier Tapes
- Storage Bins
- Tygris Absorbent & Spill Kits
- Duracell Batteries
- Padlocks & Chains
- Lockout & Tagout Products
- PPE Equipment
- Grippaz Gloves
- Fogco Misting Systems
- Safeguarding Products
- Industrial Cleaning

Absorbents & Spill Kits	817-818	Protection Sprays, Tygris	789
Adhesive Tapes	812-814	PTFE Tape	811
Adhesives, Loctite	804	Safeguarding Products	839-840
Adhesives, Penloc	809	Safety Ear Protection	824
Anti-sieze Products, Loctite	808	Safety Footwear	841
Bags of Rags	819	Safety Glasses	823
Batteries	819	Safety Gloves	825
Boss Jointing Paste	811	Safety Helmets	823
Cable Ties	842	Safety Masks	824
Cleaning Sprays, Food Area, Tygris	783	Safety Workwear	841
Cleaning Sprays, Loctite	807	Shadowboard Cleaning Stations	820
Cleaning Sprays, Tygris	780-783	Silicone Repair Tape	812
Duct Tape, Loctite	806	Silicone Repair Tape, Loctite	806
Engineering Lube Sprays, Food Area, Tygris	787	Silicone Sealents	813
Engineering Lube Sprays, Tygris	784-786	Stag, Jointing Paste	811
Engineering Lube Sprays, WD40	801	Storage Bins	815
Floor Coatings, Rust-oleum	793-794	Superglue, Eurobond	810
Fogco Mist Systems	826-838	Superglue, Loctite	806
Greases & Oils, Food Area, Tygris	791	Supra Storage Solutions	815-816
Greases & Oils Tygris	790	Tagout Products	821-822
Grippaz Gloves	825	Tape, Hazard Warning	812-814
Hemp	811	Tape, Anti-slip	812
Industrial Cleaning Products	843-844	Tape, Cable Cover	812
Kits, Circlip	842	Tape, Masking	812
Kits, O Ring	842	Tape, PVC Electrical, Le-Mark	814
Kits, Splicing	842	Tape, PVC Electrical, Scapa	813
Lockout Products	821-822	Tapes, Foam	813
Maintenance Sprays, Rust-oleum	792	Tapes, Gaffer Tape	812-813
Maintenance Sprays, Tygris	788-789	Tapes, Identification	812
Misting Systems	826-838	Tapes, Packaging	813
Padlocks	819	Thread Sealants, Eurobond	810
Paint Sprays, Rust-oleum	795-800	Thread Sealants, Loctite	802-803
Paint Sprays, Tygris	779	Thread Sealing Cord, Loctite	808
Pipe Sealant, Loctite	805-806	Threadlocker, Eurobond	810
Pipe Sealant, Eurobond	810	Threadlocker, High Strength, Loctite	808
Pipe Sealant, PTFE, Loctite	808	Threadlocker, Loctite	802-803
Polyurethane Filler	813	Tygris Absorbents & Spill Kits	817-818

# PAINT SPRAYS

## Acrylic Finishing & Hi-Vis Paints



400 ml

0239	Description	Code
P300	Matt Black	RAL9005
P301	Satin Black Paint	RAL9005
P302	Gloss Black Paint	RAL9005
P306	Gloss White Paint	RAL9010
P307	Bright Silver Paint	RAL9006
P310	Gloss Blue Paint	RAL5010
P311	Gloss Green Paint	RAL6001
P312	Gloss Red Paint	RAL3000
P313	Gloss Yellow Paint	RAL1007
P314	Gloss Orange Paint	RAL2004
P315	Gloss Dark Green Paint	RAL6005

## Acrylic Based Primer Paints



0239	Volume Millilitres	Description
P303	400	Grey Primer Paint
P304	400	White Primer Paint
P305	400	Red Primer Paint
P308	400	Black Primer Paint

## High Temperature Paints



0239	Volume Millilitres	Description
P330	400	Black VHT Paint
P334	400	Aluminium VHT Paint

## Clear Acrylic Lacquer R242



0239	Volume Millilitres
R242	400

## Bright Zinc Galvanising Spray R224



0239	Volume Millilitres
R224	400

## Zinc Galvanising Spray Heavy-duty R239



0239	Volume Millilitres
R239	400

## Stripeline Marking Paints



0239	Volume Millilitres	Description
LMBE	750	Blue
LMBK	750	Black
LMGN	750	Green
LMRD	750	Red
LMW	750	White
LMY	750	Yellow

### Carburettor Cleaner R201



0239	Volume Millilitres
R201	400

### Brake & Clutch Cleaner R202



0239	Volume Millilitres
R202	400

### Engine Degreaser R203



0239	Volume Millilitres
R203	400

### Dashboard Renovator



0239	Volume Millilitres	Scent
R199	400	Cherry
R205	400	Cranberry

### Dashboard cleaner Non-Silicone R270



0239	Volume Millilitres
R270	400

### High Power Brake Cleaner R274



0239	Volume Millilitres
R274	500

### Electrical Cleaner R235



0239	Volume Millilitres
R235	400

### Solvent Tool & Electronics Cleaner IS2



0239	Volume Millilitres
IS2	400

### Electro Clean IS20



0239	Volume Millilitres
IS20	400

### Industrial Cleaner Fast Drying R207



0239	Volume Millilitres
R207	400

# CLEANING SPRAYS

## Sticky Label Remover R267



0239 Volume Millilitres  
R267 400

## Micro Air Duster R241



0239 Volume Millilitres  
R241 400

## Air Freshener R248 & R249



0239 Volume Millilitres  
R248 400

## Super Power Air Freshener Cranberry R261



0239 Volume Millilitres  
R261 750

## Barrier Cream R250



0239 Volume Millilitres  
R250 400

## One Wipe (110 Tub) HW101



0239  
HW101

## Engineers Dual Textured Hand Wipes (110 Bucket) HW111



0239  
HW111

## Graffiti Remover R251



0239 Volume Millilitres  
R251 400

## Graffiti Remover Viscous R252



0239 Volume Millilitres  
R252 400



# CLEANING SPRAYS

## Hard Surface Foam Cleaner R253



0239 Volume Millilitres  
R253 400

## Ink & Gum Remover Citrus Based R255



0239 Volume Millilitres  
R255 400

## Stainless Steel Cleaner R258



0239 Volume Millilitres  
R258 400

## Glass & Mirror Cleaner R244



0239 Volume Millilitres  
R244 400

## Telephone Sanitiser R256



0239 Volume Millilitres  
R256 400

## Clean & Polish R246



0239 Volume Millilitres  
R246 400

## Hi Wax Polish R254



0239 Volume Millilitres  
R254 400

## Upholstery Foam Cleaner R257



0239 Volume Millilitres  
R257 400

## Chewing Gum Remover R262



0239 Volume Millilitres  
R262 400

## Anti-Static Cleaner R265



0239 Volume Millilitres  
R265 400

# CLEANING SPRAYS

## Anti-Static Foaming Cleaner R245



0239	Volume Millilitres
R245	400

## Mould & Tool Cleaner Supa IS27



0239	Volume Millilitres
IS27	400

## Mould & Tool Cleaner Xtra IS25



0239	Volume Millilitres
IS25	480

# FOOD AREA CLEANING SPRAYS

## Fast Dry Solvent Cleaner NSF F400 Food Area



0239	Volume Millilitres
F400	400

## Foaming Cleaner NSF F422 Food Area



0239	Volume Millilitres
F422	400

## Stainless Steel Cleaner NSF F420 Food Area



0239	Volume Millilitres
F420	400

## Electrical Cleaner NSF F406 Food Area



0239	Volume Millilitres
F406	400

## Instant Degreasing Cleaner F906T Food Area



0239	Volume Millilitres
F906T	750

## Label Remover NSF F424 Food Area



0239	Volume Millilitres
F424	400

### (WD) Water Displacing Anti-Rust Agent R213



0239 Volume Millilitres  
R213 400

### Clear Penetrating Oil R212



0239 Volume Millilitres  
R212 400

### Motorcycle Chain Wax R273



0239 Volume Millilitres  
R273 400

### Looz-n-It Penetrating Oil IS1



0239 Volume Millilitres  
IS1 400

### Clear Fine Oil R211



0239 Volume Millilitres  
R211 400

### Open Gear Lubricant R216



0239 Volume Millilitres  
R216 400

### Graphited Penetrating Oil R209



0239 Volume Millilitres  
R209 400

### Seize Release Penetrating Oil R275



0239 Volume Millilitres  
R275 400

### Clear Fork Lift Chain Lubricant IS75



0239 Volume Millilitres  
IS75 400

## Chain & Wire Lubricant R220



0239	Volume Millilitres
R220	400

## Super Lube Extreme Pressure R232



0239	Volume Millilitres
R232	400

## Aluminium Anti-Seize R233



0239	Volume Millilitres
R233	400

## Clear Polymer Chain Lubricant R228



0239	Volume Millilitres
R228	400

## Drive & Bearing Lubricant R229



0239	Volume Millilitres
R229	400

## Moly Dry Film Lubricant R218



0239	Volume Millilitres
R218	400

## Belt Dressing Anti Slip R215



0239	Volume Millilitres
R215	400

## Copper Anti-Seize R234



0239	Volume Millilitres
R234	400

## PTFE Dry Film Lubricant R237



0239	Volume Millilitres
R237	400

## Silicone Lubricant R217



0239	Volume Millilitres
R217	400

### White Grease with PTFE R223



0239  
R223

Volume Millilitres  
400

### Silicone Grease R230



0239  
R230

Volume Millilitres  
400

### Cutting and Tapping Fluid R214



0239  
R214

Volume Millilitres  
400

### Metal Working Spray R208



0239  
R208

Volume Millilitres  
400

### Clear Grease R226



0239  
R226

Volume Millilitres  
400

### Solvent Free Non-Silicone Release R225



0239  
R225

Volume Millilitres  
400

### Mould Release Non-Silicone IS13



0239  
IS13

Volume Millilitres  
400

### Ejector Pin Lubricant IS40



0239  
IS40

Volume Millilitres  
400

### Mould Release Light IS9



0239  
IS9

Volume Millilitres  
400

### Mould Release Medium IS5



0239  
IS5

Volume Millilitres  
400

### Mould Release Heavy IS10



0239  
IS10

Volume Millilitres  
400



# FOOD AREA LUBE SPRAYS

## Synthetic Chain Lubricant NSF IS77



0239	Volume Millilitres
IS77	400

## Food Safe Lubricant R219



0239	Volume Millilitres
R219	400

## Synthetic Ejector Pin Lubricant IS45



0239	Volume Millilitres
IS45	400

## White Grease NSF F402



0239	Volume Millilitres
F402	400

## Multi-Lube NSF F404



0239	Volume Millilitres
F404	400

## Penetrating Oil NSF F412



0239	Volume Millilitres
F412	400

## PTFE Dry Film Lubricant NSF F410



0239	Volume Millilitres
F410	400

## Chain Spray NSF F408



0239	Volume Millilitres
F408	400

## Belt Dressing NSF F414



0239	Volume Millilitres
F414	400

## Silicone Release NSF F418



0239	Volume Millilitres
F418	400

## De-Watering Anti-Rust Agent NSF F416



0239	Volume Millilitres
F416	400

## Rapid Industrial De-Icer (Water Free) R227



0239 Volume Millilitres  
R227 400

## Weld Spatter Release Spray (Water Based) R222



0239 Volume Millilitres  
R222 400

## Crack Detector Developer No 3 IS93



0239 Volume Millilitres  
IS93 400

## Heavy-duty Adhesive R260



0239 Volume Millilitres  
R260 400

## Crack Detector Cleaner No.1 IS91



0239 Volume Millilitres  
IS91 400

## Ceramic Release Spray IS35



0239 Volume Millilitres  
IS35 400

## Heavy-duty Adhesive Non-chlorinated 500 R210



0239 Volume Millilitres  
R210 400

## Crack Detector Red Dye No. 2 IS92



0239 Volume Millilitres  
IS92 400

## Leak Detector R236



0239 Volume Millilitres  
R236 400

# MAINTENANCE SPRAYS



## Circuit Freezer Spray R240



0239 Volume Millilitres  
R240 400

## Weld Spatter Release Spray (Solvent Based) R221



0239 Volume Millilitres  
R221 400

# PROTECTION SPRAYS

## Clear Mould Protector IS60



0239 Volume Millilitres  
IS60 400

## Green Mould Protector IS70



0239 Volume Millilitres  
IS70 400

## Blue Peelable Protector IS80



0239 Volume Millilitres  
IS80 400

## Green Moisture Guard R266



0239 Volume Millilitres  
R266 400

## Battery Terminal Protector R204



0239 Volume Millilitres  
R204 400



### Moly Lithium Grease TG8304/TG8305



0239	Volume Grams
TG8304	400
TG8305	500

### Blue Lithium Complex Grease TG8904



0239	Volume Grams
TG8904	400

### EP2 Lithium Grease TG8404



0239	Volume Grams
TG8404	400

### Synthetic High Temperature Grease TG8504



0239	Volume Grams
TG8504	400

### Very High Temperature Grease TG8704



0239	Volume Grams
TG8704	400

### Silicone Paste TG8605



0239	Volume Grams
TG8605	400

### Refillable Bearing Lubricators



0122	Volume Millilitres
MCGL100	100
MCGL220	220

### Universal Tool Oil



0088	Volume Millilitres
H0076	100
H0077	220

# FOOD AREA GREASES

## White Grease FS NFS TF8304



0239	Volume Grams
TF8304	400

## Food Area High Temperature (HT) 2 Grease NSF TF8204



0239	Volume Grams
TF8204	400

## White Grease Extreme FS NSF TF8104



0239	Volume Grams
TF8104	400

## Assembly Grease FS NSF TF8005 Food Preparation



0239	Volume Grams
TF8005	500

## Copper Anti-Seize Compound TG8205



0239	Volume Grams
TG8205	500

## Aluminium Anti-Seize Compound TG8105



0239	Volume Grams
TG8105	500

## Nickel Anti-Seize Compound TG8005



0239	Volume Grams
TG8005	500

## Metal Working Paste T500



0239	Volume Grams
T500	450

## Metal Working Fluid T510



0239	Volume Millilitres
T510	350





## X1 Multi Purpose Spray

500ml

0209

RUS-1610

Tech Sheet 20107

## X1 Cutting/Tapping Spray

500ml

0209

RUS-1611

Tech Sheet 20108

## X1 Chain Drive Spray

500ml

0209

RUS-1612

Tech Sheet 20109

## X1 Multi Purpose Welding Spray

500ml

0209

RUS-1613

Tech Sheet 20110

## X1 Multi Purpose Foam Cleaner

500ml

0209

RUS-1630

Tech Sheet 20117

## X1 Heavy-duty Cleaner/Degreaser

500ml

0209

RUS-1631

Tech Sheet 20118

## X1 Ceramic Anti Seize Spray

500ml

0209

RUS-1616

Tech Sheet 20113

## X1 White Grease Spray

500ml

0209

RUS-1617

Tech Sheet 20115

## X1 PTFE Spray

500ml

0209

RUS-1618

Tech Sheet 20116

## X1 Silicone Spray

500ml

0209

RUS-1615

Tech Sheet 20112

## X1 Freeze - Release Spray

500ml

0209

RUS-1614

Tech Sheet 20111

## X1 Electrical Cleaner

500ml

0209

RUS-1632

Tech Sheet 20114

## X1 Stainless Steel Cleaner/Polish Spray

500ml

0209

RUS-1633

Tech Sheet 20097



## Floor Coating

A ready to use solution for preparing your surface. Removes grease, oil and other contaminations.

Virtually odour free. Non-flammable. 6-8 m<sup>2</sup>/l coverage.



### EpoxyShield® Cleaner/Degreaser, 5 Litre Tub

0209	Volume Kilograms
RUS-2901.5	5

Tech Sheet 60558

Creates a surface profile that allows for maximum penetration and adhesion for the EpoxyShield® coatings.

Uses citric etch formula to avoid producing dangerous acids or fumes. Will not harm grass or plants.



### EpoxyShield® Etching Solution, 5 Litre Tub

0209	Volume Kilograms
RUS-108.5	5

Tech Sheet 60557

**Multi-use epoxy resin repair mortar for concrete or stone. Unequalled hardness and epoxy bonding power.** Epoxy Repair Mortar allows fast setting (3-6 hours), granite-hard permanent repairs to be made to badly cracked and worn concrete or stone floors. For use where conventional mortar or other fillers will loosen or fail. Anglo Epoxy Repair Mortar is virtually indestructible and ideal for repairs to factory floors, driveways, worn and broken steps, garage floors, sills, grouting in bolts and railings etc.



### Epoxy Repair Mortar

0209	Volume Kilograms
RUS-5180.2.5	2.5
RUS-5180.5.0	5
RUS-5180.25	25

Tech Sheet 60560

Speed Patch gives a durable, fast setting repair to damaged floors, frost spalled, eroded and cracked concrete, steps, troughs, ramps covering etc.



### Speed Patch

0209	Volume Kilograms
RUS-5150.1	10
RUS-5150.2	20

Tech Sheet 60560

A quick easy way to fill holes in heavily used concrete floors inside and outside. No primer is required - just mix powder with water and pour into the hole. The rapid setting concrete repair bonds to damp or dry surfaces and can be applied at a thickness from feather edge to 100mm.



### Speed Patch Pourable Grade 25kg

0209	Volume Kilograms
RUS-AXPSP25	25

Tech Sheet 60562

Speed Screed smooths uneven, damaged or worn concrete floors. A pour on durable re-surfacing material. Suitable for interior or exterior use.



### Speed Screed 25kg

0209	Volume Kilograms
RUS-AXSS25	25

Tech Sheet 60563

Solvent-free Epoxy (2 part) For repairing fine cracks up to 3mm wide.

Dry in 3-4 hours. Coverage: 25 linear metres (25mm wide, 5mm deep).



### EpoxyShield® Fine Crack Repair Mortar, 500ml Tub

0209	Volume Kilograms
RU-203010.05	0.05

Tech Sheet 60628

Mineral-Acrylic. Easy to use - Add water, stir and ready. Traffic allowed after 24hrs.

10kg (1 part) 0.4m<sup>2</sup>. Recoatable after 48 hrs. **Please note:** to be recoated with 7100 Floor coating.



### EpoxyShield® Concrete Repair Mortar, 10kg Tub

0209	Volume Kilograms
RU-203012.10	10

Tech Sheet 60559

Rust-Oleum® Asphalt Repair is a durable bitumen-based patch repair product for use on exterior potholed asphalt and concrete. Ideal for potholes in roads, car parks, paths and other bituminous and concrete surfaces.

- Simple to use - no mixing required
- Repairs can be driven over immediately after application
- Ideal for repairs 10mm – 70mm
- Coverage approx. 0.5m<sup>2</sup> per 25kg at 24mm thick
- Withstands heavy traffic



### Asphalt Repair 25kg

0209	Volume Kilograms
RUS-5410.25	25

Tech Sheet 60561



## Floor Coating

For use on concrete, metal and wood.

Single pack, pedestrian grade floor coating.

Great gloss appearance.

High film build in one coat.

Touch dry after 6 hours.

Resistant to oil, lubricants and petrol.

Easy to apply with brush and roller.

8m<sup>2</sup> per litre (two coats recommended).

Easy to clean with a neutral cleaner.

**Important:** Not suitable for car traffic or for car park areas.



### Standard Colours, 5 Litre

0209	Colour	RAL Code
RUS-7182	Steel Grey	RAL 7001
RUS-7179	Black	RAL 9005
RUS-7181	Light Grey	RAL 7035
RUS-7168	English Red	-
RUS-7135	Reseda Green	RAL 6011
RUS-7137	Moss Green	RAL 6005
Tech Sheet 60565		

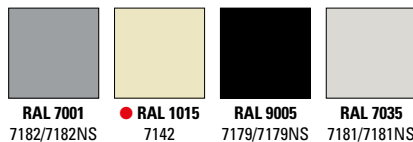


### Anti-slip Version, Standard Colours, 5 Litre

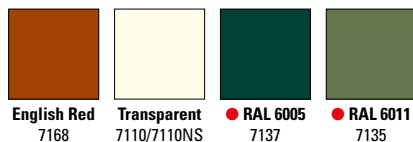
0209	Colour	RAL Code
RUS-7182NS	Steel Grey	RAL 7001
RUS-7179NS	Black	RAL 9005
RUS-7181NS	Light Grey	RAL 7035
RUS-7110NS	Transparent	-
Tech Sheet 60565		

### Floor Coating Colours (7100 & 7100NS)

#### Standard Colours



RAL 7001 7182/7182NS  
RAL 1015 7142  
RAL 9005 7179/7179NS  
RAL 7035 7181/7181NS



English Red 7168  
Transparent 7110/7110NS  
RAL 6005 7137  
RAL 6011 7135

● Anti-slip version not available.

Slip resistant aggregate is pre-mixed in the coating. Unique uniform appearance.



### Line Marking & Safety Colours, 5 Litre

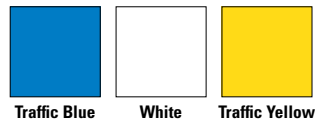
0209	Colour	RAL Code
RUS-7124	Traffic Blue	RAL 5017
RUS-7192	White	RAL 9010
RUS-7144	Traffic Yellow	RAL 1023

### Anti-slip Version, Line Marking & Safety Colours, 5 Litre

0209	Colour
RUS-7144NS	Traffic Yellow

### Floor Coating Colours (7100 & 7100NS)

#### Line Markings & Safety Colours



Traffic Blue White Traffic Yellow

Dustproofs, seals and transforms drab concrete floors. It is easy to apply and dries quickly to a tough, mid gloss finish.



### Polyurethane Floor Paint Single Pack, 5 Litre

0209	Colour
RUS-AFP5SYL	Safety Yellow
RUS-AFP5TRD	Tile Red
RUS-AFP5TER	Terracotta
RUS-AFP5WHI	White
RUS-AFP5BUF	Buff
RUS-AFP5MGY	Mid Grey
RUS-AFP5LGY	Light Grey
RUS-AFP5DGY	Dark Grey
RUS-AFP5BLU	Mid Blue
RUS-AFP5GRN	Mid Green
Tech Sheet 60567	

Slip resistant grade will dustproof, seal and transform drab concrete floors.

It is easy to apply and dries quickly to a tough slip resistant finish.



### Polyurethane Slip Resistant Floor Paint, 5 Litre

0209	Colour
RUS-AFPSR5TRD	Tile Red
RUS-AFPSR5NGY	Mid Grey
Tech Sheet 10434	

Asphalt restorer provides an 'as new' appearance that will mask old line markings and repairs and will hide ingrained dust from building works, etc.



### Asphalt Restorer, 5 Litre

0209	Colour
RUS-AAR5	White
Tech Sheet 60566	

A tough, flexible acrylic paint for tarmac or asphalt.

Colour and protect asphalt and tarmac drives, paths and playgrounds using this easy to apply coating.

Solvent free.



### Tarmaccoat, 5 Litre

0209	Colour
RUS-6192.5	White
RUS-6181.5	Light Grey
RUS-6183.5	Mid Grey
RUS-6168.5	Tile Red
RUS-6136.5	Mid Green
RUS-6126.5	Mid Blue
RUS-6143.5	Signal Yellow
Tech Sheet 60564	

## Hard Hat® Maintenance Aerosols

- The quick anti-rust protector
- Ready to recoat after just 10 minutes, to handle after 30 minutes
- For new or slightly rusty surfaces
- Penetrates deeply into the surface and does not give rust a chance
- Lead and chromate free



### Anti-rust Primer, 500ml

0209	Colour
RUS-2169	Red
RUS-2182	Grey
Tech Sheet 60575	

## Hard Hat® Maintenance Aerosols

- A durable adhesion on galvanized, stainless steel, aluminium, copper, hard PVC, glass and ceramics
- Ready to recoat after just 30 minutes
- Unique coverage: 5.5m<sup>2</sup> per aerosol
- To recoat with Hard Hat® topcoats



### Sticker Adhesion, 500ml

0209	
RUS-2102	
Tech Sheet 60573	

## Hard Hat® Galvanizing Zincs

- Cathodic protection of bare and galvanized steel
- Resists 500 hours of salt spray testing (DIN 50021 SS)
- To recoat within one hour, brush version after 4 hours
- To recoat with Hard Hat® metallic sprays



### Galva Zinc

0209	Volume Grams	Volume Millilitres
RUS-1085.1	1000	-
RUS-2185	-	500
Tech Sheet 60572		

- The super-fast zinc primer
- Tack free after just 5 minutes, to handle after 10 minutes
- Ideal for production and construction environments
- Resists 400 hours of salt spray testing (DIN 50021 SS)



### Galva Express, 500ml

0209	
RUS-2180	
Tech Sheet 60576	

- Zinc coating with sparkling aluminium particles
- The best compromise between a zinc spray and an aluminium spray
- Resists 340 hours of salt spray testing (DIN 50021 SS)



### Galva Zinc-aluminium

0209	Volume Grams	Volume Millilitres
RUS-1017.1	1000	-
RUS-2117	-	500
Tech Sheet 60571		

- Appearance similar to new galvanized
- For touching up new galvanized
- Resists 310 hours of salt spray testing (DIN 50021 SS)
- Lower zinc contents, more aluminium



### Galva Plus, 500ml

0209	Colour
RUS-2120	Zinc Gloss
Tech Sheet 60574	

	2185/1085.1 Galva Zinc	2180 Galva Express	2117/1017.1 Galva Zinc-Alu	2120 Galva Plus
Appearance	Matt Grey	Matt Grey	Sparkling Aluminium	Aluminium Gloss
Zinc %	90%	68%	80%	54%
Aluminium %	0%	1%	10%	23%
Salt Spray Test	500 hrs	400 hrs	340 hrs	310 hrs
Tack Free	10 min / 15 min	5 min	20 min / 30 min	15 min
To Handle	30 min / 2 hrs	10 min	60 min / 3 hrs	60 min
Heat-resistant	450°C / 100°C	350°C	450°C / 100°C	150°C
Main Advantage	Best protection	Quick drying	Good protection and finish	Finish like new galvanised

## Hard Hat® Topcoats

For use on engines, heat cannons, steam pipes, boilers, radiators, vents, barbecues and stoves. 750°C maximum temperature for short periods.



### Heat-resistant, 500ml

0209	Colour
RUS-7778	Black Satin Gloss
RUS-7715	Aluminium
Tech Sheet 60579	

Adheres to metal, wood, concrete, tile floors and parquet. Very quick drying (5 to 10 minutes).

For use on floors, steps, thresholds, etc. Makes every surface non-skid in a second.



### Anti-slip, 500ml

0209	Colour
RUS-2410	Transparent
RUS-2444	Safety Yellow
RUS-2479	Black

**TIP:** for maximum efficiency of fluorescent colours, spray over matt white and finish with Hard Hat® clear coat.



### Fluorescent Top Coats, 500ml

0209	Colour
RUS-2233	Green
RUS-2222	Blue
RUS-2255	Orange
RUS-2264	Red
RUS-2242	Yellow
Tech Sheet 60578	

## Hard Hat® Metallics

Metallic sprays combine a bright metallic appearance with the durable protection of a standard topcoat.

- Gloss or sparkling metallic appearance
- To restore the metallic appearance
- For use on bare metal, galvanized, zinc primers or anti-rust primers



### Durable Protection, 500ml

0209	Colour
RUS-2111	Sparkling Aluminium
RUS-2115	Silver Aluminium
Tech Sheet 60577	

- Greater abrasion resistance
- Better anti-corrosion properties than other metallics
- Excellent UV resistance (does not discolour)
- Resists acids, chemicals and alkalis



### Stainless Steel Coating, 500ml

0209	
RUS-2116	
Tech Sheet 60577	

### Pipeline Identification Colours

Pipe Contents	RAL Code	CombiColor® Metal Protection	Hard Hat® Aerosols
Gas	RAL 1004	7349	2149
Fire Fighting	RAL 3000	7365	2165
Air	RAL 5012	7323	2123
Combustable Liquids	RAL 8001	7373	2173
Acids & Alkalis	RAL 4001	7363	2163
Water	RAL 6010	7334	2138
Other Liquids	RAL 9005	7379	2179
Steam	RAL 9006	7315	2114



## Marking Aerosols

- For marking difficult substrates
- Best hiding power, weather-resistant and watertight
- For use on metal, concrete, asphalt, gravel, soil, grass, wood, etc
- Works even on slightly wet surfaces
- Upside down spraying system
- Up to 70m marking (3cm width)



### Hard Hat® High Performance, 500ml

0209	Colour	RAL Code
RUS-2344	Bright Yellow	-
RUS-2392	White	9010
RUS-2358	Red Orange	-

Tech Sheet 60580

For use with Hard Hat® Line Marking, 500ml and Traffic, 750ml cans.

- **Please note:** spray cans not included
- Replacement handle for 2 and 4 wheel applicators



### Line Marking Applicators

0209	Description
RUS-V2007	Handle Only
RUS-V2007+V2005	2 Wheel
RUS-V2007+V2006	4 Wheel

- For use with line applicators
- Adjustable line width 5 to 10cm
- Light traffic possible after just 4 hours
- Adheres to asphalt, concrete, grass, metal and wood, etc
- Up to 120m marking (5cm width).



### Hard Hat® Line Marking, 500ml

0209	Colour
RUS-2348	Yellow
RUS-2391	White

Tech Sheet 60581

## LEAKSEAL™

LEAKSEAL™ is an easy-to-use, rubberised protective coating designed to fill and seal leaks and cracks. It provides a watertight, flexible seal.

- Seals leaks and cracks
- Watertight semi-smooth finish
- Can be top-coated with latex or oil-based paints
- For use on metal, aluminium, PVC, concrete, masonry, asphalt roofing materials, etc.



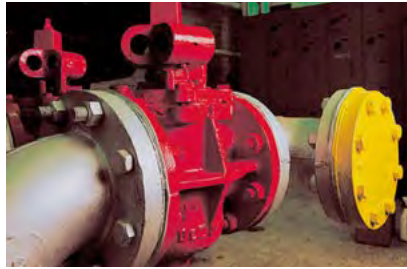
### Flexible Rubber Coating

0209	Colour	Volume Millilitres
RUS-3410	Transparent	500
RUS-3415	Aluminium	500
RUS-3478	Black	500
RUS-3490	White	500

Tech Sheet 20132

## Hard Hat® Topcoats

- Goes further: more paint in the can, resulting in a higher coverage: 3-4m<sup>2</sup>.
- One Hard Hat® aerosol equals up to 2-3 standard aerosols.
- Works quicker: a higher film build without drips or runs.



### Advantage, 500ml

0209	Colour	RAL Code
RUS-2114	Aluminium White	RAL 9006
RUS-2123	Light Blue	RAL 5012
RUS-2124	Signal Blue	RAL 5005
RUS-2125	National Blue	—
RUS-2126	Gentian Blue	RAL 5010
RUS-2127	Ultramarine Blue	RAL 5002
RUS-2128	Sapphire Blue	RAL 5003
RUS-2133	Yellow Green	RAL 6018
RUS-2134	Signal Green	RAL 6032
RUS-2135	Reseda Green	RAL 6011
RUS-2136	Emerald Green	RAL 6001
RUS-2137	Moss Green	RAL 6005
RUS-2138	Grass Green	RAL 6010
RUS-2141	Pearl White	RAL 1013
RUS-2142	Light Ivory	RAL 1015

0209	Colour	RAL Code
RUS-2143	Light Yellow	RAL 1018
RUS-2144	Traffic Yellow	RAL 1023
RUS-2145	Melon Yellow	RAL 1028
RUS-2146	Cole Seed Yellow	RAL 1021
RUS-2147	Signal Yellow	RAL 1003
RUS-2148	Safety Yellow	RAL 1007
RUS-2149	Golden Yellow	RAL 1004
RUS-2151	Pastel Orange	RAL 2003
RUS-2152	International Orange	RAL 2002
RUS-2154	Yellow Orange	RAL 2000
RUS-2163	Red Lilac	RAL 4001
RUS-2165	Bright Red	RAL 3000
RUS-2166	Traffic Red	RAL 3020
RUS-2173	Ochre Brown	RAL 8001
RUS-2174	Signal Brown	RAL 8002

0209	Colour	RAL Code
RUS-2176	Black Satin Gloss	RAL 9005
RUS-2178	Black Matt	RAL 9005
RUS-2179	Black	RAL 9005
RUS-2181	Light Grey	RAL 7035
RUS-2184	Steel Grey	RAL 7001
RUS-2186	Marine Grey	RAL 7005
RUS-2187	Stone Grey	RAL 7032
RUS-2189	Anthracite Grey	RAL 7016
RUS-2190	White Matt	RAL 9010
RUS-2192	White	RAL 9010
RUS-2193	White Satin Gloss	RAL 9010
RUS-2194	Cream	RAL 9001
RUS-2500	Transparent	—

Tech Sheet 10532

### Hard Hat® Colours

RAL 9006 2114	RAL 5012 2123	RAL 5005 2124	2125	RAL 5010 2126	RAL 5002 2127	RAL 5003 2128	RAL 6018 2133	RAL 6032 2134	RAL 6011 2135	RAL 6001 2136	RAL 6005 2137	RAL 6010 2138	RAL 1013 2141	RAL 1015 2142
RAL 1018 2143	RAL 1023 2144	RAL 1028 2145	RAL 1021 2146	RAL 1003 2147	RAL 1007 2148	RAL 1004 2149	RAL 2003 2151	RAL 2002 2152	RAL 2000 2154	RAL 4001 2163	RAL 3000 2165	RAL 3020 2166	RAL 8001 2173	RAL 8002 2174
Satin Black 2176	2178	RAL 9005 2179	RAL 7035 2181	RAL 7001 2184	RAL 7005 2186	RAL 7032 2187	RAL 7016 2189	2190	RAL 9010 2192	Satin White 2193	RAL 9001 2194	Transparent 2500		

#### Machine Colours

2126	Ford Blue, agricultural machinery
2133	Deutz Green, agricultural machinery
2136	John Deere Green, agricultural machinery
2143	John Deere Yellow, agricultural machinery
2145	Caterpillar Orange, excavators, dredging cranes
2148	JCB excavators
2152	Linde Orange, excavators
2154	STILL Orange, fork-lift trucks
2165	Massey Ferguson and New Holland Red, agricultural machinery
2186	Deutz Grey, agricultural machinery

#### Identification Colours

(See pipeline identification colours on page 796).

2114	Steam
2123	Air
2138	Water
2149	Gas
2163	Acids
2173	Liquid spirits
2179	Other liquids

#### Safety Colours

2126	Fresh water
2134	Safe place, escape routes, showers, exits
2143	Danger
2148	Take care/warning of danger, poison, explosion, radio-active radiation
2165	Stop/forbidden/fire extinguisher

## CombiColor Paints

- The first coating to combine the functions of a rust-preventive primer and gloss finish in one
- One coat maintenance system for metal, can be applied directly to rust
- Long-lasting protection
- Interior and exterior use
- Sag resistant, no brush strokes
- White spirit dilutable in one
- Low odour
- Applicable from +5°C
- Remains flexible under all conditions



### Smooth, 750ml

0209	Colour	RAL Code
RUS-7314	Gold	-
RUS-7315	White Aluminium	RAL 9006
RUS-7323	Light Blue	RAL 5012
RUS-7326	Gentian Blue	RAL 5010
RUS-7328	Ultramarine Blue	RAL 5002
RUS-7329	Steel Blue	RAL 5011
RUS-7333	Yellow Green	RAL 6018
RUS-7334	Grass Green	RAL 6010
RUS-7336	Emerald Green	RAL 6001
RUS-7337	Moss Green	RAL 6005
RUS-7339	Fir Green	RAL 6009
RUS-7342	Light Ivory	RAL 1015
RUS-7343	Light Yellow	RAL 1018
RUS-7346	Cole Seed Yellow	RAL 1021

0209	Colour	RAL Code
RUS-7348	Safety Yellow	RAL 1007
RUS-7349	Golden Yellow	RAL 1004
RUS-7354	Yellow Orange	RAL 2000
RUS-7363	Red Lilac	RAL 4001
RUS-7365	Bright Red	RAL 3000
RUS-7366	Traffic Red	RAL 3020
RUS-7373	Ochre Brown	RAL 8001
RUS-7377	Chestnut Brown	RAL 8011
RUS-7379	Black	RAL 9005
RUS-7381	Light Grey	RAL 7035
RUS-7382	Steel Grey	RAL 7001
RUS-7386	Navy Grey	RAL 7005
RUS-7392	White	RAL 9010

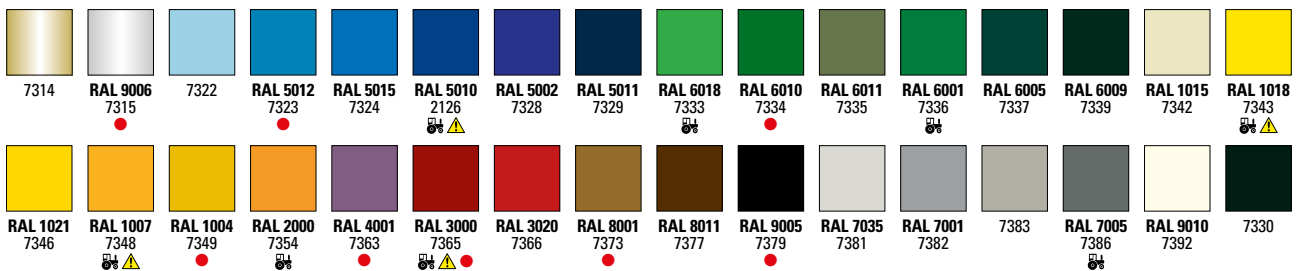
Tech Sheet 10369

### Smooth, 2.5 Litre

0209	Colour	RAL Code
RUS-7315-2.5L	White Aluminium	RAL 9006
RUS-7322-2.5L	Marlin Blue	-
RUS-7326-2.5L	Gentian Blue	RAL 5010
RUS-7328-2.5L	Ultramarine Blue	RAL 5002
RUS-7335-2.5L	Reseda Green	RAL 6011
RUS-7336-2.5L	Emerald Green	RAL 6001
RUS-7337-2.5L	Moss Green	RAL 6005
RUS-7342-2.5L	Light Ivory	RAL 1015
RUS-7346-2.5L	Cole Seed Yellow	RAL 1021
RUS-7348-2.5L	Safety Yellow	RAL 1007
RUS-7349-2.5L	Golden Yellow	RAL 1004
RUS-7354-2.5L	Yellow Orange	RAL 2000
RUS-7363-2.5L	Red Lilac	RAL 4001
RUS-7365-2.5L	Bright Red	RAL 3000
RUS-7366-2.5L	Traffic Red	RAL 3020
RUS-7373-2.5L	Ochre Brown	RAL 8001
RUS-7377-2.5L	Chestnut Brown	RAL 8011
RUS-7379-2.5L	Black	RAL 9005
RUS-7381-2.5L	Light Grey	RAL 7035
RUS-7382-2.5L	Steel Grey	RAL 7001
RUS-7383-2.5L	Silver Grey	-
RUS-7386-2.5L	Marine Grey	RAL 7005
RUS-7392-2.5L	White	RAL 9010

Tech Sheet 10369

## CombiColor Colours



### Machine Colours

- 7326 Ford Blue
- 7333 Deutz Green
- 7336 John Deere Green
- 7343 John Deere Yellow
- 7348 JCB excavators
- 7354 STILL Orange
- 7365 Massey Ferguson
- 7365 New Holland Red
- 7386 Deutz Grey

### Identification Colours

(See pipeline identification colours on page 796).

- 7315 Steam
- 7323 Air
- 7334 Water
- 7349 Gas
- 7363 Acids
- 7365 Fire-fighting
- 7373 Liquid spirits
- 7379 Other liquids

### Safety Colours

- 7326 Fresh water
- 7343 Danger
- 7348 Danger warning of poison, explosion, radio-active radiation
- 7365 Stop/forbidden/fire extinguisher

## CombiColor Paints

## CombiColor Colours

Satin



7375



7394

Matt



7378



7390

## Hammertones Colours

750ml &amp; 2.5 Litre Tin



7321



7332



7345



7362



7364



7374



7376



7384



7388



## Satin, 750ml

0209	Colour	RAL Code
RUS-7375	Black	RAL 9005
RUS-7394	White	RAL 9010
Tech Sheet 10369		

## Satin, 2.5 Litre

0209	Colour	RAL Code
RUS-7375-2.5L	Black	RAL 9005
RUS-7394-2.5L	White	RAL 9010
Tech Sheet 10369		

## Matt, 750ml

0209	Colour	RAL Code
RUS-7378	Black	RAL 9005
Tech Sheet 10369		

## Matt, 2.5 Litre

0209	Colour	RAL Code
RUS-7378-2.5L	Black	RAL 9005
RUS-7390-2.5L	White	RAL 9010
Tech Sheet 10369		

With their masking effect, hammertone finishes are ideal for use on steel constructions, machines, cable channels, electric tools, work and switch boxes, ventilation ducts and other surfaces requiring a glossy and hammertone look.



## Hammertones, 750ml

0209	Colour
RUS-7321	Light Blue
RUS-7327	Dark Blue
RUS-7332	Light Green
RUS-7338	Dark Green
RUS-7345	Gold
RUS-7362	Copper
RUS-7364	Red
RUS-7374	Brown
RUS-7376	Black
RUS-7384	Light Grey
RUS-7388	Dark Grey
RUS-7391	White
Tech Sheet 10369	

## Hammertones, 2.5 Litre

0209	Colour
RUS-7321-2.5L	Light Blue
RUS-7332-2.5L	Light Green
RUS-7376-2.5L	Black
RUS-7384-2.5L	Light Grey
RUS-7388-2.5L	Dark Grey
Tech Sheet 10369	

## CombiColor Primers &amp; Thinners

- Recoatable after 2 hours
- Red for dark coloured topcoats
- Grey for light coloured topcoats
- Lead and chromate free
- For even longer anti-rust protection



## Anti-corrosion Primer, 750ml

0209	Colour
RUS-3369	Red
RUS-3380	Grey
Tech Sheet 10369	

- **For use on:** Galvanised steel, aluminium, stainless steel, zinc, hard PVC, copper, ceramic tiles, porcelain and glass
- Easy to apply

- Transparent blue finish
- Recoatable after just 30 minutes
- Very high coverage: 35m<sup>2</sup>/l
- Makes even the smoothest surfaces coatable



## Adhesion Primer, 750ml

0209	Colour
RUS-3302	Blue
Tech Sheet 10369	

CombiColor coatings are ready for immediate use with brush or roller. For spray application however it is advised to use a CombiColor thinner. The thinners are ideal for surface preparation as well.



## Anti-corrosion Primer, 2.5 Litre Tin

0209	Colour
RUS-3369-2.5L	Red
RUS-3380-2.5L	Grey
Tech Sheet 10369	

## Thinners, 1 Litre

0209	To Suit
RUS-7301.1	Smooth
RUS-7302.1	Hammertones
Tech Sheet 10369	



## WD-40 Lubricant

- Cleans – WD-40's ultra-high surface attraction enables it to get under dirt, grime and grease to clean and dissolve adhesive
- Displaces moisture – WD-40 covers surfaces and microscopic irregularities to eliminate moisture and dry out electrical systems
- Penetrates – WD-40's super penetrating action loosens stuck, frozen or rusted metal parts
- Lubricates – WD-40 contains no silicone or other additives that attract dust and dirt which means it clings to moving parts preventing them from jamming
- Protects – WD-40 deposits corrosion resistant ingredients to shield metal surfaces against moisture and rust



**100ml Can**

9036  
44201



**450ml Can with Smart Straw**

9036  
44037



**600ml Can**

9036  
44116



**5 Litre with Spray Applicator**

9036  
44506



**25 Litre Plastic Drum**

9036  
44025







## Threadlocker Sticks

- Effective on all types of metal threaded fasteners. Recommended where disassembly is required. Machine tools and presses, pumps and compressors, mounting bolts and gear boxes.
- For use on threads up to M50
- Functional strength 6 hours
- Long term temperature resistance +150°C



### 248, Medium Strength

0753	Volume Grams
LOC-248	19
Tech Sheet 67925	

- Effective on all types of metal threaded fasteners. Recommended for use where regular removal for maintenance is not required. Suspension bolts, motor transmission and pump mounts, bearing cap bolts and studs.
- For use on threads up to M50
- Functional strength 24 hours
- Long term temperature resistance +150°C



### 268, High Strength

0753	Volume Grams
LOC-268	19
Tech Sheet 67926	

## Thread Sealant Stick

- Recommended for all coarse metal pipe threads where disassembly is required. Ideal for use in a broad range of industries including chemical, processing, waste water treatment and automotive.
- For use on threads up to 3"
- Substrate to be sealed: Metal
- Instant low pressure seal
- Low disassembly strength
- Long term temperature resistance +150°C



### 561, Instant Bonding

0753	Volume Grams
LOC-561	19
Tech Sheet 67927	

## Anti-Seize Sticks

- Copper based anti-seize for screws, nuts, pipes, heat exchangers etc.
- Sold lubricating agent containing copper and graphite
- N.L.G.I. Class 1

 **Working Temperature:**  
-30°C to +930°C



### 8065, C5-A Copper, High Temperature

0753	Volume Grams
LOC-8065	20
Tech Sheet 67928	

## 243 Threadlocker

Particularly suitable on all metal threaded fasteners. Prevents loosening on vibrating parts such as pumps, motor mounting bolts, gear boxes or presses. Recommended for use where disassembly with hand tools is required for servicing and where parts are contaminated with oil.

- Resists vibration
- Single part – clean and easy to apply
- Can be used on all sizes of fasteners – reduces inventory costs
- Seals threads allows through-hole tapping



### Medium Strength

0753	Volume Millilitres
LOC-135279	10
LOC-135278	50
Tech Sheet 67929	

## 270 Threadlocker

Particularly suitable for use on all metal fasteners (including stainless steels and those with protective coatings such as Zinc) where regular removal for maintenance is not required. Recommended for permanently locking studs on engine blocks and pump housings.

- Resists vibration
- Single part – clean and easy to apply
- Can be used on all sizes of fasteners – reduces inventory costs
- Seals threads allows through-hole tapping



### High Strength

0753	Volume Millilitres
LOC-267380	10
LOC-232515	50
Tech Sheet 67930	



# THREADLOCKERS

## 276 Threadlocker High Strength Fast Fixture

- High strength, even on passive metals
- European gas approval (EN 751-1)
- Excellent chemical and thermal resistance of cured product
- Reliable cure even at low temperatures



0753	Volume Millilitres
LOC-1266117	50
Tech Sheet 67931	

## 577 Thread Sealant

Particularly suitable for all coarse metal threads. Suitable for past applications at low temperatures e.g. outdoor plant maintenance. Carries the German DVGW Approval (No 96.04e 125). Tested in accordance to EN 751-1. Meets BS 6956 type B for sealing gas fittings.

- Replaces hemp/tapes and pastes
- Liquids ensure complete contact between threads provides 100% seal
- Liquids will not creep, shrink or block systems (including filters) by shredding
- Disassembly can be achieved easily with normal tools



### General Purpose

0753	Volume Millilitres
LOC-229342	50
Tech Sheet 68057	

## 542 Thread Sealant

Particularly suitable for fine threaded fittings as used in hydraulic and pneumatic installations and small fittings in general. Carries the German DVGW approval (No.96.02E 125). Tested in accordance to EN 751-1. Meets BS 6956 type A for sealing gas fittings.

- Replaces hemp/tapes and pastes
- Liquids ensure complete contact between threads provides 100% seal
- Liquids will not creep, shrink or block systems (including filters) by shredding
- Disassembly can be achieved easily with normal tools



### Hydraulic & Pneumatic

0753	Volume Millilitres
LOC-135483	10
LOC-267431	50
LOC-267432	250
Tech Sheet 67932	



For **Malleable Iron** see **Section 4**



## 2701 High Strength Oil Resistance

- For the high strength locking and sealing of studs, nails and bolts
- Vibration proof
- Ideal for use on inactive substrates and/or where maximum resistance to hot oil is required



0753	Volume Millilitres
LOC-234853	50
Tech Sheet 67933	

## Lock N Seal



0753	Volume Millilitres
LOC-229139	3



## 435 Instant Adhesive

- A rubber-toughened adhesive with increased flexibility and peel strength, along with enhanced resistance to shock
- The product provides rapid bonding on a wide range of materials including metals, plastic and elastomers, as well as porous and absorbent materials like wood, paper, leather and fabric



### Clear Toughened

0753	Volume Grams
LOC-871787	20
Tech Sheet 10367	

## 401 Adhesive

Particularly suitable for bonding rubber and plastics.

- Fixtures in seconds
- Clear bond line – good cosmetic appearance
- Versatile – dissimilar materials can be bonded
- High strength – often giving a bond stronger than the materials being bonded
- Small parts bonding



### Instant Bonding

0753	Volume Grams
LOC-135428	20
Tech Sheet 67934	

## 454 Instant Adhesive

- Designed for the assembly of difficult-to-bond materials which require uniform stress distribution and strong tension and/or shear strength
- The product provides rapid bonding of a wide range of materials including metals, plastics and elastomers
- This product is particularly suited for bonding porous or absorbent materials such as wood, paper, leather and fabric
- The gel consistency prevents adhesive flow, even on vertical surfaces



### Gel

0753	Volume Grams
LOC-195678	20
Tech Sheet 67935	

## 406 Adhesive

Particularly suitable for difficult-to-bond rubber or plastics, e.g. polyethylene, polypropylene, PTFE, or thermoplastic rubbers such as Santoprene.

- Fixtures in seconds
- Clear bond line – good cosmetic appearance
- Versatile – dissimilar materials can be bonded
- High strength – often giving a bond stronger than the materials being bonded
- Small parts bonding



### Instant Bonding

0753	Volume Grams
LOC-233695	20
Tech Sheet 67936	

## 3430 Twin Syringe Ultra Clear, Fast Cure

- Ultra-clear bond line
- Medium viscosity
- Fast cure



0753	Volume Millilitres
LOC-142517	24
Tech Sheet 67938	

## 3090 Two Component Gel

- Handling strength in seconds
- Gap filling up to 5mm
- Gel based, non-drip formula
- Cures quickly, independently of gap and substrate
- Excellent bonding characteristics on a broad variety of substrates: metals, most plastics, rubber, porous/absorbent materials such as wood, paper, cardboard, leather and fabric

Working Temperature:  
-20°C to +80°C



0753	Volume Grams
LOC-1379599	10
Tech Sheet 67939	

## 4090 Two Component Gel, High Temperature

- High moisture resistance
- Up to +150°C
- Impact and vibration resistant
- Gap filling up to 5mm



0753	Volume Grams
LOC-1778011	50
Tech Sheet 67940	

## 4070 Structural Bonder

HY 4070 is a two-part, transparent, cloudy, colourless to pale yellow cyanoacrylate/acrylic hybrid gel adhesive that provides a fast fixture at room temperature. Suitable for various substrates including most plastics, rubbers and metals.

- Non-sag
- Gel consistency prevents adhesive flow, even on vertical surfaces
- Gap filling up to 5mm
- Temperature and moisture resistant



0753	Volume Grams
LOC-2237457	11
Tech Sheet 68733	



## 572 Low Strength Slow Cure Pipe Seal

- This product is designed for the locking and sealing of metal pipes and fittings
- The product cures when confined in the absence of air between close fitting metal surfaces and prevents loosening and leakage from shock and vibration
- The thixotropic nature reduces the migration of liquid product after application to the substrate



0753	Volume Millilitres
LOC-229360	50
Tech Sheet 67941	

## 574 Flange Sealant

- Seals close fitting joints between rigid metal faces and flanges
- The product cures when confined in the absence of air between close fitting metal surfaces
- Provides resistance to low pressures immediately after assembly of flanges
- Typically used as a form-in-place gasket on rigid flanged connections, e.g. gearbox and engine casings, etc.
- The thixotropic nature reduces the migration of liquid product after application to the substrate



0753	Volume Millilitres
LOC-267437	50
LOC-234573	250
Tech Sheet 67942	

## 518 Flexible Fast Cure

- This product is a single component, medium strength, anaerobic sealant which cures when in the absence of air between close fitting metal surfaces
- Typical applications include sealing close fitting joints between rigid metal faces and flanges
- Provides resistance to low pressures immediately after assembly of flanges
- Typically used as a form-in-place gasket on ridged flanged connections, e.g. gearbox and engine casings, etc.
- The thixotropic nature reduces the migration of liquid product after application to the substrate



0753	Volume Millilitres
LOC-229875	50
Tech Sheet 67943	

## 5400 Health & Safety Pipe Sealant

- No hazard symbols, no risk phrases
- White material safety data sheet
- No need for COSHH assessment
- WRAS Approved



0753	Volume Millilitres
LOC-1545634	50
LOC-1546964	250
Tech Sheet 67944	

## 603 Retainer

Particularly suitable for retaining close fitting cylindrical parts (up to 0.1mm gap), and for use on cylindrical fitting parts where thorough degreasing is not possible.

Tested and approved for use on bearings.

- High and moderate strength products – can carry high loads and eliminate fretting
- Fill all voids – prevent corrosion
- Reduce the need for close tolerances
- 100% contact – load and stress is distributed evenly over the joint



### For Retaining Cylindrical Parts

0753	Volume Millilitres
LOC-229873	10
LOC-135280	50
Tech Sheet 67945	

## 638 Retainer

Particularly suitable where dynamic axial and radial loads are present. Recommended for retaining shafts, gears, pulleys and similar cylindrical parts.

- High and moderate strength products – can carry high loads and eliminate fretting
- Fill all voids – prevent corrosion
- 100% contact – load and stress is distributed evenly over the joint



### For Retaining Cylindrical Parts

0753	Volume Millilitres
LOC-234795	50
Tech Sheet 67946	



## 641 Bearing Fit Retainer

Particularly suitable for retaining parts such as bearings, and when later dismantling will be needed.

- High and moderate strength products – can carry high loads and eliminate fretting
- Fill all voids – prevent corrosion
- Reduce the need for close tolerances
- 100% contact – load and stress is distributed evenly over the joint



0753	Volume Millilitres
LOC-267442	10
LOC-135522	50
Tech Sheet 67947	

## Super Glue



### Bottle, Brush Application

0753	Volume Grams
LOC-272597	5



### Tube, Squeeze Application

0753	Volume Grams
LOC-272602	3

## Duct Tape



0753	Width mm	Length Metres
LOC-260499	50	25

## Power Tape

Power Tape is no ordinary multi-purpose cloth tape. Manufactured to include advanced tape technology, three power layers are combined to form an outstanding, heavy-duty, fabric-reinforced power tape.

Power Tape is 100% weatherproof\* and uses a unique super strong adhesive that sticks firmly to most surfaces offering up to 50% stronger adhesion than standard cloth tapes.

Power Tape is suitable for both interior and exterior use, and has hundreds of uses around the home, garden, garage and workplace.

\*Not suitable for total immersion in water.  
Not intended for permanent repairs.



0753	Width mm	Length Metres	Colour
LOC-297328	50	25	Silver
LOC-298392	50	25	Black

## 5075 Insulating Sealing Wrap

Insulating and emergency sealing wrap.

- Can be applied to wet surfaces
- Non-sticky self fusing tape
- Temperature from -54°C to +260°C



0753	Width mm	Length Metres	Colour
LOC-1684617	10	4.27	Red
LOC-1808110	10	4.27	Black
Tech Sheet 67948			





## 7063 Cleaner & Degreaser

General parts cleaner which leaves no residue – ideal for use prior to adhesive bonding and sealing applications. Compatible with metal, glasses rubber, most plastics and painted surfaces.

- Clean products prior to using Loctite adhesives/sealants



0753	Volume Millilitres
LOC-195814	400
Tech Sheet 67949	

## 7840 Cleaner & Degreaser

A concentrated, biodegradable cleaner/degreaser that contains no hazardous solvents and dilutes with water to meet a wide range of industrial cleaning applications.

- Typical applications for this product include engines, motors, castings, valves, bearings, tanks, machinery, exterior siding, windows, carpets, concrete floors, asphalt, vehicles etc.
- Substances it can remove include grease, lubricants, cutting oils, fuel oils, tar, road salt, light carbon, food stains, wax, animal fat, mildew and soot
- This product has a pine odour but is also available fragrance-free



0753	Volume Millilitres
LOC-235330	750
Tech Sheet 67950	

## 7850 Fast Orange Hand Cleaner with Pumice

Natural hand cleaner made from Citrus rinds. Contains no synthetic solvents, mineral oils or petroleum distillate. Contains fine pumice for deep cleansing.

- Contains Jojoba oil, lanolin and aloe to moisturise the skin
- pH balanced
- Easy pump dispenser
- Biodegradable



0753	Volume
LOC-234228	400ml
LOC-234258	3 Litres
Tech Sheet 67951	

## No More Big Gaps

- Fills, seals, insulates and bonds
- Suitable for interior and exterior use
- Can be cut, sanded, plastered and painted



0753	Volume Millilitres
LOC-599893	500

## 8040 Freeze & Release

- This product is a special mineral oil formulation to free rusted, corroded and seized parts
- The shock-freezing effect will cool parts instantly down to -43°C and cause microscopic cracks in the layer of rust
- This allows the lubricating ingredients to wick directly into the rust by capillary action
- Released parts remain lubricated and protected from corrosion



## Lubricant

0753	Volume Millilitres
LOC-760225	400
Tech Sheet 67952	

## Superlube Oiler



0753	Volume Millilitres
LOC-399422	7

## O-Ring Kit

Ideal for repairing or replacing damaged O-Ring seals.

### Contents:

- 7 standard size of O-Ring cord
- Splicing jig
- Safety knife
- Loctite 406 instant adhesive



0753
LOC-480166

## Manual Hand Gun

- 50ml Dual cartridge application
- Manually operated dispenser
- Used for 1:1 and 2:1 mix ratio products
- Cartridges for use with this gun are 4090 and 3430 adhesives



Cartridges not included

0753
LOC-267452



## 55 Pipe Sealing Cord



## 55 Thread Sealing Cord

0753	Length Metres
LOC-483283	50
LOC-270153	160

## 567 PTFE Pipe Sealant



## 567 PTFE Thread Sealant

0753	Volume Millilitres
LOC-135491	50
LOC-234458	250

## Anti-Seize

8008 Copper Anti-Seize  
"Brush in Lid"

0753	Volume Grams
LOC-503147	454

8009 Heavy-duty Anti-Seize  
"Brush in Lid"

0753	Volume Grams
LOC-504219	454

## Threadlocker



## 2400 H&amp;S Medium Duty Threadlocker

0753	Volume Millilitres
LOC-1295164	50



## 290 High Strength Threadlocker

0753	Volume Millilitres
LOC-267397	10
LOC-233733	50



## 2700 H&amp;S High Strength Threadlocker

0753	Volume Millilitres
LOC-1299454	50



## 6300 H&amp;S Retainer

0753	Volume Millilitres
LOC-1546952	50

## Magic Metal Stick



## 3463 Magic Metal Stick

0753	Volume Grams
LOC-265628	114

## Penloc Adhesives



### 1.1 Acrylic Structural Adhesive

0137	Volume Millilitres
PENLOC11-12	12
PENLOC11-50	50



### 1.1 VT High Temperature Acrylic Adhesive

0137	Volume Millilitres
PENLOCVT-50	50



### Mini Mixer Nozzle

0137	
MINIMIXER	



### 1.1 RVT Low Odour Acrylic Adhesive

0137	Volume Millilitres
PENLOC11RVT-50	50



### 1.1 GTI Clear Acrylic Adhesive

0137	Volume Millilitres
PENLOGTI-50	50



### 3" Static Mixer Nozzle

0137	Length
STATICMIXER-3	3"



### Cartridge Gun

0137	To Suit
APPGUN-50	50ml Adhesives

## Polymer Adhesives



### Multi-seal Polymer Adhesive, Grey

0137	Volume Millilitres
ITM-MSEAL300	300



### Clear Fix Polymer Adhesive

0137	Volume Millilitres
ITM-CFIX300	300

## Eurobond Range

**Nutlock 243, Oil Tolerant Threadlocker**

0137	Volume Millilitres
ITM243-10	10
ITM243-50	50

**Pipe Sealant 577**

0137	Volume Millilitres
ITM577-50	50
ITM577-250	250

**Bearing Fit 641**

0137	Volume Millilitres
ITM641-10	10
ITM641-50	50

**Studlock 270, Permanent Adhesive**

0137	Volume Millilitres
ITM270-10	10
ITM270-50	50

**Retainer 601**

0137	Volume Millilitres
ITM601-10	10
ITM601-50	50

**Epoxy Stick 2001**

0137	Volume Grams
ITM2001-50	50

**Hydraulic Sealer 542**

0137	Volume Millilitres
ITM542-10	10
ITM542-50	50

**Epoxy Stick 2001**

0137	Volume Millilitres
ITM638-50	50

**Engineers Repair Kit**

0137	
ITM-EBARK	

**Super Glues****Multi-use Instant Adhesive 241F**

0137	Volume Grams
ITM241F-20	20
ITM241F-50	50

**High Resistance Adhesive 403TB**

0137	Volume Grams
ITM403TB-20	20



# MALLEABLE PIPE JOINTING & SEALING

## PTFE Thread Seal Tape




1000	Description	Width mm	Roll Length Metres
<b>TAPE</b>	Tape White	12	12
<b>PTFE25MM</b>	Tape White	25	12
<b>PTFEGAS</b>	BS.EN.751-3	12	5

## Jointing Paste

Resistant to gas, steam, water, petrol, oil and mineral acids

- Easy break
- Lead free
- Complies to BS6956 Part 5 1992

 **Temperature Resistance:**  
**A:** -40°C to 400°C  
**B:** -40°C to 650°C



### Stag A

1092	Volume Grams
<b>STAGA</b>	400
	Tech Sheet 10798

### Stag B

1092	Volume Grams
<b>STAGB</b>	500
	Tech Sheet 10798

## Boss White & Green

**BOSS White Pipe Jointing Compound:**  
 For steam, air, natural gas and non-potable water applications.  
 Conforms to BS6956 Part 5: 1992.



### White

1092	Volume Grams
<b>MIBOSSW400</b>	400

**BOSS Green Potable Water Pipe Jointing Compound:**  
 Suitable for hot and cold potable water services.  
 WRC Approved. Conforms to BS6956 Part 5: 1992.



### Green

1092	Volume Grams
<b>MIBOSSG400</b>	400

## Hank Dressed Hemp



To be used with suitable Jointing Paste.

1092	Weight
<b>2046-1687</b>	1/2lb

## Thread Sealant



### For B85-E85 & Diesel

1092	Volume Millilitres
<b>GASOILA2</b>	280



## Tapes



## Pipework Identification PVC Tapes

0137	Description	Colour	Background
PTB5920000	Compressed Air	Black	Light Blue
PTB5920003	Gas	Black	Yellow Ochre
PTB5920005	Nitrogen	Black	Yellow Ochre
PTB5920006	Steam	Black	Silver
PTB5920008	Water	Silver	Green



## General Use Duct Tape

0137	Description	Width mm	Roll Length Metres
CTBUDGET48BK	Black	48	50
CTBUDGET48S	Silver	48	50
CTBUDGET48W	White	48	50



## Magtape Utility Gaffer Tape

0137	Description	Width mm	Roll Length Metres
CTMAGUT48BK	Black	50	50
CTMAGUT48W	White	50	50



## Fluorescent Gaffer/Cloth Tape

0137	Description	Width mm	Roll Length Yards
PROGAFF48NYE	Yellow	48	25



## Magtape Utility Gaffer Tape, Colours

0137	Description	Width mm	Roll Length Metres
CTMAGUT50R	Red	50	50
CTMAGUT50S.BLUE	Blue	50	50
CTMAGUT50Y	Yellow	50	50



## Kraken Silicone Repair Tape

0137	Description	Width mm	Roll Length Metres
RT24BK	Black	24	3.6
RT24C	Clear	24	3.6



## Magtape Utility Gaffer Tape

0137	Description	Width mm	Roll Length Metres
MT77724	Natural	24	50
MT77748	Natural	48	50



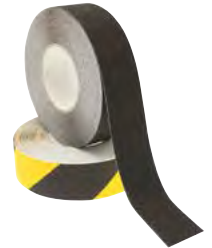
## Velcro Hook &amp; Loop Tape

0137	Description	Roll Length Metres
VT9012525BKHOOK	Black Hook Tape 25mm Width	25



## Reflective Hazard Warning PVC Tape

0137	Description	Width mm	Roll Length Metres
REFBKY50	Black/Yellow	50	10
REFRW50	Red/White	50	10



## Heavy-duty Anti-Slip Tape (High Grab)

0137	Description	Width mm	Roll Length Metres
STBK50	Black	50	18.3
STHW50	Black/Yellow	50	18.3
STY50	Yellow	50	18.3



## Slipway Cable Cover Tape

0137	Description	Width mm	Roll Length Metres
SW14530PBK	Matt Black	145	30



## Magtape Utility Gaffer Tape

0137	Description	Width mm	Roll Length Metres
CTMAGUT48BK	Black	50	50
CTMAGUT48W	White	50	50



## Fluorescent Gaffer/Cloth Tape

0137	Description	Width mm	Roll Length Yards
PROGAFF48NYE	Yellow	48	25

## Magtape Utility Gaffer Tape

0137	Description	Width mm	Roll Length Metres
MT77724	Natural	24	50
MT77748	Natural	48	50



## Velcro Hook &amp; Loop Tape

0137	Description	Roll Length Metres
VT9012525BKHOOK	Black Hook Tape 25mm Width	25

## Tape Residue Remover

0137	Volume Millilitres
AR250	250



## Anti Slip Primer

0137	Volume Litres
ST2238	1



## Edge Fix

0137	Volume Millilitres
EFG140	140



# ADHESIVE TAPES & BARRIER TAPES

## PVC Tapes

- Nominal Thickness 0.13mm+0.025mm
- Available in a wide range of colours
- No lead content
- Good electrical properties, tough, flexible and conformable
- Approved by BS3924, IMQ, VDE, OVE
- Self extinguishing

**Applications:**  
Electrical insulating tape  
General purpose



### ISOLSINT/2702 Tape, 33 Metre Rolls

0137	Size mm	Colour
2702BLACK12	12	Black
2702GREY12	12	Grey
2702RED12	12	Red
2702BLUE12	12	Blue
2702DGREEN12	12	Dark Green
2702ORANGE12	12	Orange
2702BLACK19	19	Black
2702WHITE19	19	White
2702RED19	19	Red
2702BLUE19	19	Blue
2702YELLOW19	19	Yellow
2702BROWN19	19	Brown
2702ORANGE19	19	Orange
2702YELLGRE19	19	Yellow & Green
2702BLACK25	25	Black
2702RED25	25	Red
2702BLACK50	50	Black
2702GREY50	50	Grey
2702RED50	50	Red
2702BLUE50	50	Blue
2702YELLOW50	50	Yellow
2702DGREEN50	50	Dark Green
2702ORANGE50	50	Orange
2702LGREEN50	50	Light Green
2702YELLOW75	75	Yellow

Tech Sheet 20416

- Nominal Thickness 0.16mm+0.025mm
- Available in a wide range of colours
- Lead free
- Easy tearability

**Applications:**  
Line marking and hazard warning



### 2721 Tapes, 33 Metre Rolls

0137	Size mm	Colour
2721YELLOW50	50	Yellow
2721YELLBLACK50	50	Yellow & Black
2721YELLBLACK75	75	Yellow & Black

Tech Sheet 20414

## 31075 Foam Tapes

- Double sided polyethylene foam tape
- Heavy-duty packaging tape



### 30 Metre Rolls

0137	Size mm	Colour
5474WHITE2X10	2 x 10	White

Tech Sheet 20418

## Self Amalgamating Tapes

- Compatible with a wide range of rubber and plastic dielectric cable insulation
- Highly resistant to prolonged immersion in water and has excellent resistance to ozone

**Applications:** Used for making watertight seals at polyethylene sleeve joints on polyethylene-sleeved telephone cables, both above and below ground.

Used for jointing (splicing) and repair of a wide range of power and distribution cables up to 46 kV.



### Black PIB Self Amalgamating Tape, 10 Metre Rolls

0137	Size mm
2501BLACK19	19
2501BLACK25	25

Tech Sheet 20415

## Packaging Tapes

- Economical carton sealing tape
- General purpose packaging tape



### Polypropylene Buff Packaging Tapes, 66 Metre Rolls

0137	Size mm	Quantity
SHBPT50X66	50	1
SHBPT50X66BOX	50	36

- Available in mono or crossweave format

**Application:**  
Heavy-duty packaging tape.



### Filament Packaging Tapes, 50 Metre Rolls

0137	Size mm	Format
SHMT25X50	25	Mono
SHMT50X50	50	Mono
SHCT25X50	25	Crossweave
SHCT50X50	50	Crossweave

Tech Sheet 20419

- The low-tack adhesive allows easy unwinding from the roll, avoiding distortion of the film
- Easy, clean removal from the protected article after use
- Resistant to moisture, many chemicals, such as diluted acids and alkalis, and salt solutions
- Suitable for indoors or outdoors
- Used as a protection film for the transport of window frames and ladders
- The tape performs well on mild steel, stainless steel and aluminium

### 2903/1102 Outdoor Low-Tack Protection Tape, 100 Metre Rolls

0137	Size mm	Colour
2903BLACKBLACK50	50	Black/Black
2903BLACKBLACK75	75	Black/Black

Tech Sheet 20417



## Non-adhesive Barrier Tapes

- This range of economical barrier tapes can be used to section off areas



### Barrier Tapes, 500 Metre Rolls

0137	Size mm	Colour
SHBTR/W-75X500	75	Red & White
SHBTB/Y-75X500	75	Black & Yellow

## Waterproof Cloth Tapes

- A polyethylene coated waterproof cloth tape with a pressure sensitive adhesive
- Economy grade waterproof cloth tape
- Excellent adhesion and strength

**Applications:**

General purpose waterproof cloth tape. Used for sealing, bundling, masking and protecting. Excellent for joining polyethylene sheeting in asbestos removal applications.



### 3160 Waterproof Cloth Tape, 50 Metre Rolls

0137	Size mm	Colour
3160BLACK50	50	Black
3160WHITE50	50	White
3160SILVER50	50	Silver
3160BLACK75	75	Black
3160WHITE75	75	White
3160SILVER75	75	Silver
3160BLACK100	100	Black
3160WHITE100	100	White
3160SILVER100	100	Silver

Tech Sheet 20420

**RUST-OLEUM**



For Leak Seal  
see page 797

# ADHESIVE TAPES & BARRIER TAPES



## PVC Tapes

- Nominal Thickness 0.13mm+0.025mm
- Available in a wide range of colours
- No lead content
- Good electrical properties, tough, flexible and conformable

- Approved by BS3924, IMQ, VDE, OVE
  - Self extinguishing
- Applications:** Electrical insulating tape, general purpose



### 33 Metre Rolls

0137	Size mm	Colour
LEMPVC19G	19	Green
LEMPVC19GY	19	Grey
LEMPVC25B	25	Blue
LEMPVC25G	25	Green
LEMPVC25BR	25	Brown

- Nominal Thickness 0.16mm+0.025mm
- Available in a wide range of colours
- Lead free
- Easy tearability

**Applications:**  
Line marking and hazard warning



### 33 Metre Rolls

0137	Size mm	Colour
PVC50RW008	50	Red & White

**RUST-OLEUM®**



For Leak Seal  
see page 797

# SPRAYS & SEALANTS

## Sealants, Fillers & Guns



### Professional Cartridge Gun

0088  
2017-6442



All with anti-fungicide.

### Polyurethane Expanding Filler & Cleaner

0088	Colour	Volume Millilitres
2017-6467	Black	300
2017-6475	Brown	300
2017-6483	Clear	300
2017-6491	White	300

Tech Sheet 20094



### Low Modulus Acetoxy Silicone

0088	Colour	Volume Millilitres
2017-6335	White	300

Tech Sheet 20093



### Polyurethane Expanding Filler & Cleaner

0088	Type	Volume Millilitres
2017-6418	Gun Foam	750
2017-6434	Hand Held	750

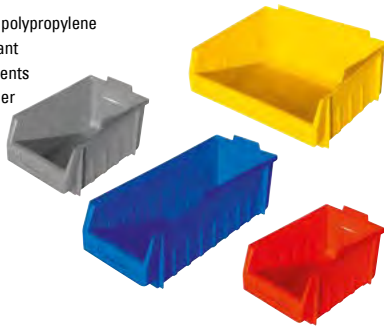
Tech Sheet 20095



# SUPRA STORAGE BINS

## Supra Storage Bins

- Impact resistant
- Strong rear lip for use with louvred panels
- Integral label holder
- Clear access to contents
- Manufactured from high density polypropylene
- High and low temperature tolerant
- Resistant to most industrial solvents
- Easy to stack on top of each other
- Incorporates a safety stop feature at the back in SB4/5/6 for use in shelves



### Red, Blue, Yellow or Grey

0128	Length mm	Width mm	Height mm
SB-1-RED	125	100	60
SB-1-BLUE	125	100	60
SB-1-YELLOW	125	100	60
SB-1-GREY	125	100	60
SB-2-RED	170	100	85
SB-2-BLUE	170	100	85
SB-2-YELLOW	170	100	85
SB-2-GREY	170	100	85
SB-3-RED	220	130	125
SB-3-BLUE	220	130	125
SB-3-YELLOW	220	130	125
SB-3-GREY	220	130	125
SB-4-RED	290	178	143
SB-4-BLUE	290	178	143
SB-4-YELLOW	290	178	143
SB-4-GREY	290	178	143
SB-5-RED	290	363	145
SB-5-BLUE	290	363	145
SB-5-YELLOW	290	363	145
SB-5-GREY	290	363	145
SB-6-RED	440	180	145
SB-6-BLUE	440	180	145
SB-6-YELLOW	440	180	145
SB-6-GREY	440	180	145
SB-7-RED	435	400	215
SB-7-BLUE	435	400	215
SB-7-GREY	435	400	215
SB-8-RED	600	425	300
SB-8-BLUE	600	425	300
SB-8-GREY	600	425	300

Tech Sheet 20172

### Accessories – Partitions

0128	Description
HP/SB4/6	Horizontal Partition for SB-4 & SB-6
VP/SB4/5	Vertical Partition for SB-4 & SB-5
VP/SB7	Vertical Partition for SB-7
VP/SB8	Vertical Partition for SB-8

Tech Sheet 20172

## Shop Floor Stands

- Free standing stands come complete with louvred panels on one side
- Easy to assemble
- Storage bins ordered separately



### Free Standing Louvred Panel Stands

0128	Length mm	Width mm	Height mm	Type
FSS/L/1	457	630	1560	Single Span
FSS/L/2	914	630	1560	Double Span
FSS/L/3	1371	630	1560	Triple Span

Tech Sheet 20170

Ideal for component storage and transfer to assembly or production areas. Unit comprises of base unit with aluminium chequered top plate fitted with castors and a frame on which four louvre panels can be fitted (supplied).

Example: trolley can hold 16 x SB-1, 32 x SB-2, 12 x SB-3, 10 x SB-4 on the panels with the base free for different sizes of bins as per your requirement.

Storage bins not supplied.

- Robust construction
- Epoxy powder coated
- Easy assembly

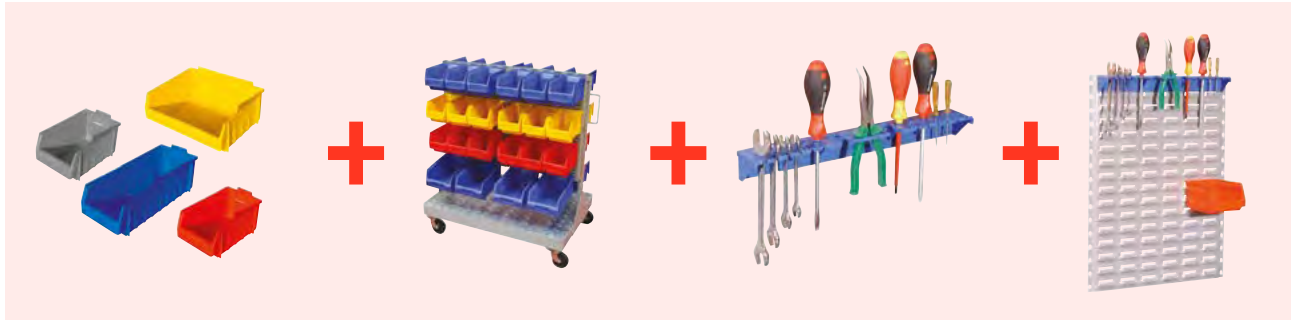


### Mobile Louvred Panel Stand

0128	Length mm	Width mm	Height mm
SFT	970	600	1100

Tech Sheet 20171

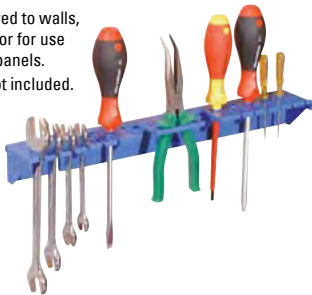




## Tool Trays

Can be screwed to walls, workstations or for use with louvred panels.

**Note:** tools not included.



Red, Blue or Grey

0128

TTH-RED

TTH-BLUE

TTH-GREY

Tech Sheet 20173

## Multi-purpose Display Board

- 451 hanging holes
- 38 strong hooks (two sizes) and 38 locks

**Note:** tools not included.



Red or Blue

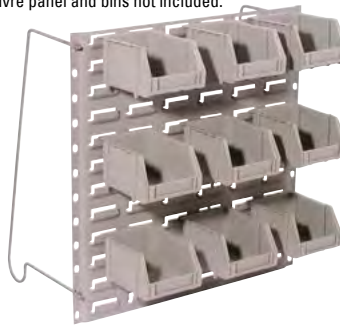
0128	Width mm	Height mm
<b>MDB500-RED</b>	505	390
<b>MDB500-BLUE</b>	505	390

Tech Sheet 20174

## Louvre Panel Stand

These stands enable you to use louvre panels on table tops.

**Note:** louvre panel and bins not included.



0128

SB/SPS

## Poly Bins & Rails

Each bin is 5" x 4" x 3".



Set of 20 Bins & 5 Rails

0128

PBR205

Tech Sheet 20175

## Louvred Wall Panels

The louvred panels are made from powder-coated 1.5mm CRCA steel and come in four sizes.

These louvre panels can be easily fitted on walls or on a stand.

**Note:** tool tray, tools and Supra bin not included.



For Use with Supra Bins

0128	Width mm	Height mm
<b>SB/LP1</b>	457	457
<b>SB/LP2</b>	457	610
<b>SB/LP3</b>	457	915
<b>SB/LP6</b>	457	1830

Tech Sheet 20176



## Maintenance Spill Kits



### Oil & Water

0440	Description
SK25M	25 Litre Maintenance Kit



### Oil & Water

0440	Description
SK50M	50 Litre Maintenance Kit

## Oil Only Absorbent Socks



0440	Size	Pack Quantity
A0131	1.2m x 7.5cm	20
A0132	3m x 7.5cm	8

## Oil Only Spill Kits



### Oil Only

0440	Description
SK25O	25 Litre Oil Spill Kit



### Oil & Water

0440	Description
SK20O	50 Litre Oil & Water Spill Kit

## Maintenance Absorbent Socks (Oil & Water)



0440	Size	Pack Quantity
AM131	1.2m x 7.5cm	20

## Industrial Spillage Absorbent Granules



### Spillage Granules

0440	Volume Litres
KU20	20

## Oil Only Bilge Booms



0440	Size	Pack Quantity
A0153	20cm x 45cm	10

## Oil Only Absorbent Booms



0440	Size	Pack Quantity
A0152	3m x 12cm	4
A0151	3m x 20cm	4

## Oil Only Absorbent Mats



0440	Pack Quantity
A0112	100

## Maintenance Absorbent Mats (Oil & Water)



0440	Pack Quantity
A0112	100

## Oil Only Drum Topper



0440	Diameter cm	Pack Quantity
A0161	56	25

## Maintenance Drum Topper (Oil & Water)



0440	Diameter cm	Pack Quantity
AM161	56	25

## Oil Only Absorbent Mat Dispenser



0440	Pack Quantity
A0181	3

## Maintenance Absorbent Mat Dispenser (Oil & Water)



0440	Pack Quantity
AM181	3

## Oil Only Absorbent Cushions



0440	Size cm	Pack Quantity
A0141	50 x 40 x 10	10

## Maintenance Absorbent Cushions (Oil & Water)



0440	Size	Pack Quantity
AM141	50 x 40 x 10	10

## Oil Only Absorbent Roll



0440	Pack Quantity
A0121	

## Maintenance Absorbent Roll (Oil & Water)



0440	Pack Quantity
AM121	

## Bags of Rags



0086	Weight Kg
BOR-10KG	10

## Duracell Industrial Batteries



**AA Batteries,  
10 Pack**

0086
DPB2A



**AAA Batteries,  
10 Pack**

0086
DPB3A



**9V Battery**

0086
DPB9V

## Padlocks



**Standard Brass Padlocks**

0088	Size mm
SP24L	30
SP26L	40
SP28L	50



**Double Lock Laminated Padlocks, 5 Pin**

0088	Size mm
SP151P	50



**Weather Resistant Padlock**

0088	Size mm
SP160P	30



**Heavy-duty Brass Padlocks**

0088	Size mm
SP158P	40
SP159P	50



**Brass 4 Wheel Combi Padlock**

0088	Size mm
SP162P	30



**Safety Type Hasp & Staple**

0088	Size
SP125P	3.1/2" x 1.1/2"



**Shadowboard Cleaning Stations**



**Style A**

0086	Colour
SB-BD01-BL	Blue
SB-BD01-GR	Green
SB-BD01-RD	Red
SB-BD01-YL	Yellow



**Style B**

0086	Colour
SB-BD02-BL	Blue
SB-BD02-GR	Green
SB-BD02-RD	Red
SB-BD02-YL	Yellow



**Style C**

0086	Colour
SB-BD03-BL	Blue
SB-BD03-GR	Green
SB-BD03-RD	Red
SB-BD03-YL	Yellow



**Style D**

0086	Colour
SB-BD04-BL	Blue
SB-BD04-GR	Green
SB-BD04-RD	Red
SB-BD04-YL	Yellow



## Lockout & Tagout Products



### Gate Valve Lockouts

0086	Size mm
LOK001	25-63.5



### Ball Valve Lockouts

0086	Size mm	Maximum Handle Length mm
LOK023	9.5-31	190
LOK024	32-76	254



### Butterfly Valve Lockout

0086	
LOK018	



### Pneumatic QR Lockout

0086	
LOK063	



### Multi-purpose Cable Lockout

0086	Cable Type
LOK014	2.5 Metre Nylon Cable



### Razor Cable Lockout

0086	Cable Type
LOK026	1 Metre Coated Steel Cable



### Heavy-duty Lockout

0086	Cable Type
LOK135	Bare Heavy-duty Lockout Unit



### Vinyl Coated Lockout Hasp

0086	Jaw Size mm
LOK044	25
LOK045	38



### Lockout Tags, Double Sided, 10 Pack

0086	Description
LOK073	Do Not Use/Do Not Open - Double Sided, 10 Pack



### Ladder Tag Kit, 10 Pieces

0086	Description
TG04BOX	10 Piece Ladder Tag Kit



### Safety Lockout Padlocks

0086	Colour
LOK011-L	Black
LOK010-L	Blue
LOK007-L	Red
LOK008-L	Yellow
LOK009-L	Green



### Dielectric Safety Lockout Padlock, Non-conductive

0086	Colour
LOK068	Yellow





**Lockout & Tagout Products**



**Single Ladder Tag Kit**

0086	<b>Description</b>
LG04KIT	Single Ladder Tag Kit



**Universal Circuit Breaker Lockout**

0086	<b>Description</b>
LOK043	Universal MCB Lockout



**Mini Circuit Breaker Lockout**

0086	<b>Type</b>	<b>Colour</b>
LOK020-L	Pin Out	Yellow



**Electrical/Pneumatic Plug Lockout**

0086	<b>Description</b>
LOK030	



**Electrical Plug Lockout**

0086	<b>Description</b>
LOK029	

**Lockout Board, 5 Station**

0086	<b>Description</b>
LOK172	



**Lockout Board, 10 Station**

0086	<b>Description</b>
LOK173	



**Lockout Kit, Medium**

0086	<b>Description</b>
LOK116	



**Lockout Kit, Large**

0086	<b>Description</b>
LOK117	



**Maintenance Electrical Lockout Kit**

0086	<b>Description</b>
LOK230	



**Electrical Lockout Kit**

0086	<b>Description</b>
LOK229	

**First Protection**

**Fire Extinguisher - Powder**

0086	<b>Description</b>
14364	600kg Dry Powder Extinguisher
14365	800kg Dry Powder Extinguisher



**Fire Extinguisher - Powder**

0086	<b>Description</b>
14366	1kg Dry Powder Extinguisher



**First Aid**

**Travel Pouch 1 Person First Aid Kit**

0086	<b>Description</b>
254810	



**Van & Truck Drivers First Aid Kit**

0086	<b>Description</b>
254809	



## Glasses & Goggles



### A700 Safety Spectacles

0086	Colour
293578	Grey/Smoke
293579	Clear
293581	Amber
430190	Blue



### Pyramex Intruder Safety Glasses

0086	Colour
431997	Clear
431998	Grey



### Safety Over Specs Glasses

0086
77994402



### Basic Safety Goggles

0086
112000010



### Ultrasonic Safety Goggles

0086
256426



### Premium Safety Goggles

0086
77991102

## Helmets



### Keep SAFE Standard Safety Helmet

0086	Colour
271281	White



### Comfort Plus F/P Safety Helmet

0086	Colour
271290	White





## Ear Plugs



### 3 E-A-R Classic Ear Plugs

0086	Box Quantity
254248	250 Pairs



### 3 E-A-R Classic Corded Foam Ear Plugs

0086	Box Quantity
254239	200 Pairs

## Earmuffs



### Lightweight Target Earmuff

0086	Box Quantity
430201	

## Respirators



### Respirator E P1 Valved Respirator

0086	Pack Quantity
430163	10



### Target FFP2 Valved Respirator

0086	Pack Quantity
439018	10



### Target FFP3 Valved Respirator

0086	Pack Quantity
290035	5



### Drager X-Plore 3500 with P3 Filters

0086	Pack Quantity
431104	



### Drager X-Plore 3300 Painter Set with A2P3 Filters

0086	Pack Quantity
431103	



### Drager X-Plore Chemical Set with A1B1E Filters

0086	Pack Quantity
431099	

## Filters



### Drager X-Plore Replacement Filters

0086	Type
431050	P3 Filter
431030	A2P3 Filter
431026	A1B1E Filter



## Engineers Mate Gloves



Patented Non-Slip Gloves



### Grippaz Gloves in Blue Boxes of 100

0086	Size
5300-308	Medium
5300-309	Large



### Grippaz Gloves in Green Boxes of 100

0086	Size
5300-408	Medium
5300-409	Large



### Superior Nitrile Gloves, Orange, 50 Singles Pack

0086	Size
5300-207	S (7)
5300-208	M (8)
5300-209	L (9)
5300-210	XL (10)
5300-211	XXL (11)



### Superior Nitrile Gloves, Black, 50 Singles Pack

0086	Size
5300-107	S (7)
5300-108	M (8)
5300-109	L (9)
5300-110	XL (10)
5300-111	XXL (11)



### Superior Nitrile Gloves, Handipak Orange, 10 Singles Pack

0086	Size
5300-209RET	L (9)
5300-210RET	XL (10)

## Gloves



### Nitrile Palm Coated Cut Resistant Level 5 Gloves

0086	Size
434272	Large



### Juba Econit Nitrile Foam Coated Glove

0086	Size
303188	Large



### Chrome Leather Red Rigger Glove

0086	Size
304057	Large



### Black PU Coated Glove

0086	Size
303055-M	Medium
303055-L	Large
303055-XL	Extra Large



### Nitrile Disposable Gloves, Blue, 100 Pairs

0086	Size
430936-S	Small
430936-M	Medium
430936-L	Large
430936-XL	Extra Large



# Keep your workplace safe with **FO-500 ULTRA-LOW VOLUME FOGGER**

- Disinfection
- Pest Control
- Odour Control
- Plant Protection

**Wide  
coverage**

**No wipe  
down  
needed**



FO-500 disperses a fine and almost invisible mist into the atmosphere which then settles on all surfaces, including those which can't be reached by hand, making it the ideal solution for quickly and efficiently disinfecting internal spaces.

Compact and lightweight yet robust, FO-500's storage tank can easily hold up to 5 litres of disinfectant or pesticide, and is highly suitable for both commercial and private use.

## Benefits:

- Help protect against viruses like COVID-19 and MRSA\*
- Pest control
- Odour control
- Plant protection
- Lightweight
- Simple to use
- Excellent coverage
- Suitable for commercial and industrial use

## Ideal for commercial and private use:

- Offices
- Factories
- Schools
- Hospitals
- Warehouses
- Restaurants
- Greenhouses
- Homes



## Technical Details

<b>Motor</b>	1400w, 220V-230V AC, 50-60 hz
<b>Solution Tank Capacity</b>	5 Litre
<b>Solution Output Flow rate</b>	0-49 l/h
<b>Solution Droplet size</b>	9-49 micron
<b>Empty Weight</b>	5.3Kg
<b>Dimensions</b>	19 x 47 x 49cm

## ULV Fogger 240V

9584  
FO-500

\* When used with a Defra approved disinfectant such as Steri 7 or Safe4.



**Fogco Environmental is a recognised industry leading manufacturer of high quality misting equipment for residential, commercial and industrial markets.**



### Pump Kits

See page 828



### Pumps

See page 830



### Fans

See page 831



### Air Injection Dry Fog System

See page 833



### Slip Lok Push-in Fittings

See page 834



### Nozzles

See page 835



### Adaptors

See page 836



### Filters

See page 837



### Controllers

See page 838

## Direct Drive Kit

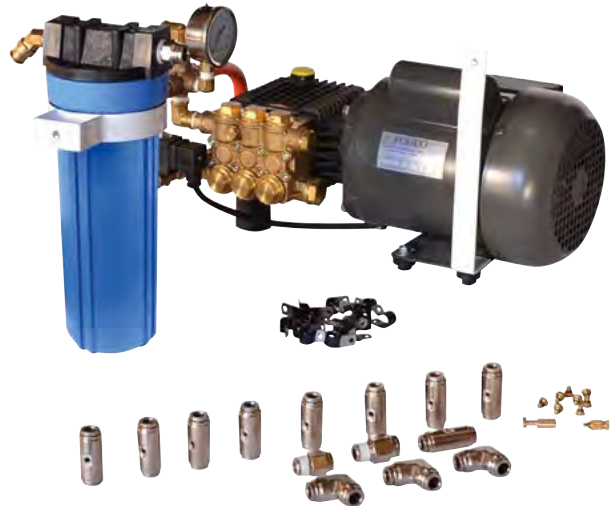
This kit range includes a 1,000 psi Fogco direct drive misting pump with either a flexible nylon, pre-fabricated copper or stainless steel tubing mist line, a filter assembly with water supply connections, plus all of the necessary fittings and components to complete a mist system installation for the listed lengths. These Fogco misting kits include a direct drive 230V mist pump and a standard brass and stainless steel misting nozzle with 24" spacing.

### Key:

LPM: Litres per minute

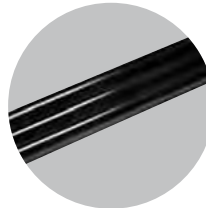
HP: Horse power

FLA: Full load amperage



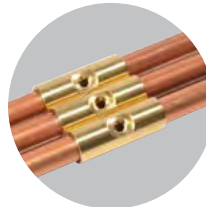
### With Nylon Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Direct Pump Ref. no
				LPM	HP	FLA	
8N20215	20	10	0.76	0.8	1	7.1	8100215
8N30215	30	15	1.14	1.6	1	7.1	8200215
8N40215	40	20	1.52	1.6	1	7.1	8200215
8N50215	50	25	1.9	3.5	1	7.1	8300215
8N60215	60	30	2.28	3.5	1	7.1	8300215
8N70215	70	35	2.66	3.5	1	7.1	8300215
8N80215	80	40	3.04	3.5	1	7.1	8300215
8N90215	90	45	3.42	3.5	1	7.1	8300215



### With Copper Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Direct Pump Ref. no
				LPM	HP	FLA	
8C20215	20	10	0.76	0.8	1	7.1	8100215
8C30215	30	15	1.14	1.6	1	7.1	8200215
8C40215	40	20	1.52	1.6	1	7.1	8200215
8C50215	50	25	1.9	3.5	1	7.1	8300215
8C60215	60	30	2.28	3.5	1	7.1	8300215
8C70215	70	35	2.66	3.5	1	7.1	8300215
8C80215	80	40	3.04	3.5	1	7.1	8300215
8C90215	90	45	3.42	3.5	1	7.1	8300215



### With Stainless Steel Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Direct Pump Ref. no
				LPM	HP	FLA	
8S20215	20	10	0.76	0.8	1	7.1	8100215
8S30215	30	15	1.14	1.6	1	7.1	8200215
8S40215	40	20	1.52	1.6	1	7.1	8200215
8S50215	50	25	1.9	3.5	1	7.1	8300215
8S60215	60	30	2.28	3.5	1	7.1	8300215
8S70215	70	35	2.66	3.5	1	7.1	8300215
8S80215	80	40	3.04	3.5	1	7.1	8300215
8S90215	90	45	3.42	3.5	1	7.1	8300215



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## Pulley Drive Kit

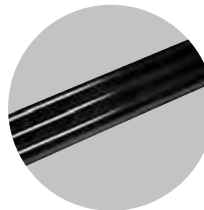
This kit range includes a 1,000 psi Fogco pulley drive misting pump with either a flexible nylon, copper or stainless steel tubing mist line, a filter assembly with water supply connections, plus all of the necessary fittings and components to complete a mist system installation for the listed lengths. These Fogco misting kits include our pulley drive 230V mist pump and our standard brass and stainless steel misting nozzle with 24" spacing.



**Key:**  
 LPM: Litres per minute  
 HP: Horse power  
 FLA: Full load amperage

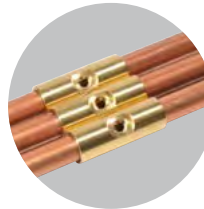
### With Nylon Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Pulley Pump Ref. no
				LPM	HP	FLA	
7N20215	20	10	0.76	1	1	7.1	7100215
7N30215	30	15	1.14	2	1	7.1	7200215
7N40215	40	20	1.52	2	1	7.1	7200215
7N50215	50	25	1.9	4	1	7.1	7400215
7N60215	60	30	2.28	4	1	7.1	7400215
7N70215	70	35	2.66	4	1	7.1	7400215
7N80215	80	40	3.04	4	1	7.1	7400215
7N90215	90	45	3.42	4	1	7.1	7400215



### With Copper Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Pulley Pump Ref. no
				LPM	HP	FLA	
7C20215	20	10	0.76	1	1	7.1	7100215
7C30215	30	15	1.14	2	1	7.1	7200215
7C40215	40	20	1.52	4	1	7.1	7200215
7C50215	50	25	1.9	4	1	7.1	7400215
7C60215	60	30	2.28	4	1	7.1	7400215
7C70215	70	35	2.66	4	1	7.1	7400215
7C80215	80	40	3.04	4	1	7.1	7400215
7C90215	90	45	3.42	4	1	7.1	7400215



### With Stainless Steel Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Pulley Pump Ref. no
				LPM	HP	FLA	
7S20215	20	10	0.76	1	1	7.1	7100215
7S30215	30	15	1.14	2	1	7.1	7200215
7S40215	40	20	1.52	4	1	7.1	7200215
7S50215	50	25	1.9	4	1	7.1	7400215
7S60215	60	30	2.28	4	1	7.1	7400215
7S70215	70	35	2.66	4	1	7.1	7400215
7S80215	80	40	3.04	4	1	7.1	7400215
7S90215	90	45	3.42	4	1	7.1	7400215



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## Direct Drive Pump

The 50Hz direct drive mist pump range are medium duty outdoor rated units, designed to operate at 70 bar for 8 hours per day, seven days a week under normal operating conditions. This range is ideal for light to medium duty mist applications. These pumps provide quality components in a small and convenient platform.

This mist pump range is available in 230V and includes:

- Direct drive pump
- On/off switch
- Inlet solenoid
- Adjustable regulator with bypass thermal relief valve
- Glycerine filled pressure gauge
- Rubber isolation feet
- Filter assembly

### Key:

LPM: Litres per minute

HP: Horse power

FLA: Full load amperage

### 230V/50Hz

9583	Description			Weight Kg	Dimensions cm		
	LPM	HP	FLA		L	W	H
<b>8100215</b>	0.8	1	7.1	27.7	59.7	31.8	26.7
<b>8200215</b>	1.6	1	7.1	27.7	59.7	31.8	26.7
<b>8300215</b>	3.5	1	7.1	27.7	58.4	31.8	26.7
<b>8400215</b>	4.4	1	7.1	27.7	58.4	31.8	26.7
<b>8700215</b>	6.6	1.5	11.3	29.9	58.4	37.8	26.7



## Pulley Driven Pump

The 50Hz pulley drive mist pumps are industrial duty outdoor rated units, designed to operate at 70 bar for 24/7 use, under normal operating conditions. This range is ideal for industrial and commercial applications that includes UL compliant thermal and short circuit protection, as well as a low water pressure cut-off switch.

This mist pump range is available in 230V and includes:

- Pulley drive pump
- Exhaust fan
- Panel mount switch
- Inlet solenoid
- Adjustable regulator with bypass thermal relief valve
- Hour meter
- Glycerine filled pressure gauge
- Rubber isolation feet
- Filter assembly

### Key:

LPM: Litres per minute

HP: Horse power

FLA: Full load amperage

RPM: Revs per minute

### 230V/50Hz

9583	Description				Weight Kg	Dimensions cm		
	LPM	HP	FLA	RPM		L	W	H
<b>7100215</b>	1	1	7.1	770	49.9	66.0	30.5	40.6
<b>7200215</b>	2	1	7.1	598	49.9	66.0	30.5	40.6
<b>7400215</b>	4	1	7.1	486	49.9	66.0	30.5	40.6
<b>7800215</b>	8	1.5	11.3	973	53.5	66.0	30.5	40.6
<b>7120215</b>	12	3	13	1450	59.0	66.0	30.5	40.6



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## Revolution

The **Revolution** misting fan provides improved evaporative cooling and humidification, compared to traditional misting fans. Its unique design allows a more uniform distribution of the fog and improved absorption of the moisture.

By integrating a focused horizontal air stream into the fog, the water droplets can cover more surface area. This allows the mist system to cool or humidify up to 5 times the amount of air, compared to static line misting systems. This mist fan can cover up to 3,600 sq.ft. or 36,000 cu.ft.

This misting fan is available in 230V and uses 0.8 amps. The unit includes a stainless steel fog ring with 10 nozzle fittings.



### 230V Ceiling Mount Fan

9583	Fan Specification		Weight Kg	Dimensions cm		
	HP	FLA		L	W	H
93820	0.25	0.9	18.1	61.0	61.0	25.4

## Revolution II

The **Revolution II** misting fan is a smaller version of the **Revolution** and provides improved evaporative cooling and humidification. Its unique design allows a more uniform distribution of the fog and improved absorption of the moisture.

Similar to the **Revolution**, integrating a focused horizontal air stream into the fog, the water droplets can cover more surface area. This allows the mist system to cool or humidify up to 5 times the amount of air compared to static line misting systems. This mist fan can cover up to 900 sq.ft. or 9,000 cu.ft.

This misting fan provides 250 cfm and is available in 230V and uses 0.12 amps. The unit includes 10ft of 18 gauge insulated power cord, 10ft of flexible high pressure feed line and a rustproof treated and powder coated housing with a 6 nozzle stainless steel fog ring. Custom fog rings are also available.



### Ceiling Mount Fan

9583	Fan Specification		Weight Kg	Dimensions cm		
	HP	FLA		L	W	H
94820	0.25	0.12	2.0	30.5	30.5	8.9

#### Key:

HP : Horse power  
FLA : Full load amperage



## Evolution

The **Evolution** is designed for effective climate control for smaller areas with restricted clearance for the fog. The misting fan is suitable for cooling, humidification and limited dust control applications and provides 250 cfm using 0.12 amps at 230V. The mist fan covers up to 1,000 sq.ft. or 10,000 cu.ft.

The cannon design and the internal guide fins produce a strong and focused air stream which projects the fog up to 50ft from the unit making it ideal for low ceiling applications.

The **Evolution** is designed to provide a projection of fog over longer distances with a narrower focus range. The unit can effectively cover an area of 20ft in width and up to 50ft in length. The unit will provide better absorption of the moisture from the system, and a more uniform distribution of the fog.



### 230V Fan

9583	Fan Specification		Weight Kg	Dimensions cm		
	HP	FLA		L	W	H
95820	1/25	0.12	2.7	24.1	20.3	20.3

NB: For use with the **Evolution** fan only.



### Wall/Pole Mount Bracket

9583	Weight g	Dimensions cm		
		L	W	H
95030	113.4	16.5	20.3	1.3



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## Evolution Mini

The **Evolution Mini** does not include the cannon shaped housing, so it requires a shorter distance for the absorption of the fog compared to the projection that is capable with the standard **Evolution**.

Because of this characteristic, the **Evolution Mini** is well suited for low ceilings and restricted or confined applications. Due to the reduced noise level and low profile design, this fan can be used in an office or warehouse environment.

The **Evolution Mini** uses a single misting nozzle but multiple nozzle configurations are also available, if increased moisture is required.

The **Evolution Mini** requires a 6 Watt 12V DC power supply. Once the unit is wall mounted, with the provided bracket, it can be adjusted both horizontally and vertically.

The power supply includes a DIN rail and is designed to be mounted in a cabinet or enclosure.



### 12V DC Wall Mount Fan

9583	Weight Kg	Dimensions cm		
		L	W	H
93000-12VDC	2.7	24.1	20.3	20.3



### 12V DC 30 Watt Power Supply

9583	Weight g	Dimensions cm		
		L	W	H
94169	226.8	2.5	10.2	10.2



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# MISTING SYSTEMS - AIR INJECTION DRY FOG SYSTEM

The Fogco Air Injection Dry Fog System utilises the proprietary control box, capable of producing over 150 lbs of dry fog per hour. It includes the FOGCOntroller II microprocessor. The box allows on-site adjustments to the system performance and output. The Drip Free air injection nozzles prevent dripping when the system shuts down and to prevent the water supply from running if there is a loss of air pressure.

The air injection nozzles are capable of producing flow rates from 8 lbs/hr to 16 lbs/hr while providing droplets as small as 1 micron and achieving humidity levels up to 99%.

The Fogco Air Injection System requires the availability of compressed air of at least 80 psi and 25 cfm and water pressure of 60 psi to produce the maximum output of 150 lbs/hr.

The system utilises directionally adjustable dry fog nozzles on a magnetic base or hung using an 3/8" mount.



## Air Injection Control Box



### Includes FOGCOntroller II Microprocessor

9583	Weight Kg	Dimensions cm		
		L	W	H
96100	13.6	30.5	30.5	25.4

## Drip Free Adjustable Air Nozzle



### With All-Thread Mount

9583	Flow
96081	8lbs/hr - 16lbs/hr



### With Magnetic Base

9583	Flow
96080	8lbs/hr - 16lbs/hr



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# MISTING SYSTEMS - AIR INJECTION DRY FOG SYSTEM

The Fogco line of industrial Slip Lok fittings are rated at 1,500 psi and have been used successfully in industrial applications for over 20 years.

The fittings include a heavy-duty body, thicker locking ferrule and an over sized viton o-ring. Their unique design allows them to be easily removed, replaced or re-installed anytime after the initial installation. No special tools or crimping procedures are required.

- Standard threads are 10/24 UNC.



## Male Stud



### Male Thread, NPT x Tube

9583	Tube OD	Thread
94853	1/4"	1/4"
92712	3/8"	1/4"
92707	3/8"	3/8"

## Mistscaping Equal Joiner



### Tube x UNC

9583	Tube OD	Thread
94630	1/4"	10/24
92630	3/8"	10/24

## End Plug



### Tube

9583	Material	Tube OD
94706	Plastic	1/4"
92706	Brass	3/8"

## Mistscaping Adaptor



### Tube x UNC

9583	Tube OD	Thread
92923	3/8"	10/24

## Equal Tee



### Tube x Tube

9583	Tube OD
92704	3/8"

## Joiners



### Tube x Tube

9583	Tube OD
92702	3/8"

## Equal Elbow



### Tube x Tube

9583	Tube OD
92703	3/8"

## Equal Cross



### Tube x Tube

9583	Tube OD
92711	3/8"



## Standard Mist Nozzle

These misting nozzles are available in brass with stainless steel orifices. The sizes range from 0.008" to 0.020" with flow rates from 0.020 gpm to 0.055 gpm.

- Spray patterns vary from 60° to 90°.
- Standard threads are 10/24 UNC.
- All stainless steel and 12/24 UNC are available on request.

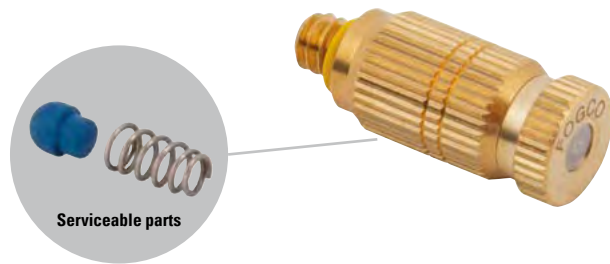


### Brass

9583	Orifice Size Inches	LPM	Spray Pattern	O-Ring Colour	Weight g	Dimensions cm		
						L	W	H
93508	0.008	0.76	60°	Red	9.1	2.5	1.0	1.0
93512	0.012	0.110	70°	Black	9.1	2.5	1.0	1.0
80450	0.016	0.167	80°	Brown	9.1	2.5	1.0	1.0
93520	0.020	0.208	90°	Green	9.1	2.5	1.0	1.0

## Cleanable Anti-drip Nozzle

All cleanable misting nozzles include an anti-drip adaptor. This range is available in brass with a stainless steel orifice or all stainless steel design. The sizes range from 0.006" to 0.020" with flow rate from 0.01 gpm to 0.045 gpm.



### Brass

9583	Orifice Size Inches	LPM	Spray Pattern	O-Ring Colour	Weight g	Dimensions cm		
						L	W	H
95031	0.006	0.037	45°	Yellow	9.1	2.5	1.0	1.0
95037	0.008	0.060	55°	Red	9.1	2.5	1.0	1.0
95038	0.012	0.095	65°	Black	9.1	2.5	1.0	1.0
95039	0.016	0.136	75°	Brown	9.1	2.5	1.0	1.0
95040	0.020	0.170	85°	Green	9.1	2.5	1.0	1.0

- Spray patterns from 45° to 85°.
- Larger orifice sizes and different threads are also available as special order items.
- Standard threads are 10/24 UNC.
- All stainless steel and 12/24 UNC are available on request.



### Stainless Steel

9583	Orifice Size Inches	LPM	Spray Pattern	O-Ring Colour	Weight g	Dimensions cm		
						L	W	H
95032	0.006	0.037	45°	Brown	9.1	2.5	1.0	1.0
95033	0.008	0.060	55°	Brown	9.1	2.5	1.0	1.0
95034	0.012	0.095	65°	Brown	9.1	2.5	1.0	1.0
95035	0.016	0.136	75°	Brown	9.1	2.5	1.0	1.0
95036	0.020	0.170	85°	Brown	9.1	2.5	1.0	1.0





The nozzle adaptor range includes extensions, clusters and adaptors to provide more options in the designing and installation of a mist system. Clusters allow 3 or 5 nozzles to be placed in a single nozzle fitting. Extensions allow the fog to be directed in a specific way, while extending the fog up to 12 inches from the line.

## Nozzle Extensions



### Brass, UNC

9583	Nozzle Length Inches	Male Thread	Female Thread
93501	1.5	10/24	10/24



### Copper, UNC

9583	Nozzle Length Inches	Male Thread	Female Thread
93597	6	10/24	10/24
92808	12	10/24	10/24



### Stainless Steel, UNC

9583	Nozzle Length Inches	Male Thread	Female Thread
94506	6	10/24	10/24
94512	12	10/24	10/24

## Nozzle Cluster



### Stainless Steel, UNC

9583	Male Thread	Female Thread
93019	10/24	5 x 10/24

## Nozzle Swivel Adaptor



### Nickel-plated, UNC

9583	Male Thread	Female Thread
95041	10/24	10/24

## Auto Drain Valve



### Medium Pressure, UNC

9583	Male Thread
93503	10/24

## Nozzle Adaptor



### Brass

9583	Male Thread	Female Thread
92519	1/8" NPT	10/24 UNC
92520	12/24 UNC	10/24 UNC

## Nozzle Plug



### Brass, UNC

9583	Male Thread
93505	10/24

## Nozzle Removal Tool



### Plastic

9583
92100

## Nozzle O-Rings



### Plastic

9583	Material
10252	Nitrile
93598	Viton

## Replacement Spring



### For Cleanable Anti-drip Nozzle

9583
92788

## Replacement Stemmed Ball



### For Cleanable Anti-drip Nozzle

9583
93354



Filtration is highly recommended for every mist system. Fogco offer a full range of filter cartridges and housing. From their smallest 'hose end' calcium inhibitor filter to the larger 10" filter housing with varying micron cartridges.

Fogco's filter range also includes a special phosphate cartridge for the 10" filter housing. This cartridge helps eliminate the adverse effects of calcium and dissolved solids present in the water supply.

For very high flow rates, Fogco offers an increased capacity filtration option that includes a larger housing and a dual stage cartridge. This filter housing includes 1" ports for maximum flow.

## Water Pretreatment Kit



### With Cartridges

9583	Type
93613	Polyphosphate
93614	Scalex

## 10" Filter Housing



### 1" Ports, High Flow

9583
92611

## 10" Blue Slimline Filter Housing



### 1/2" Ports

9583
92609

## 10" Dual Filter Cartridge



### For 92611

9583	Pre-filter Micron $\mu\text{m}$	Filter Micron $\mu\text{m}$	GPM
92612	25	1	30

## Filter Cartridges



### Particle Removal Filter

9583	Micron $\mu\text{m}$
92603	1
92608	2



### Limescale/Corrosion Inhibiting Filter

9583	Type
93039	Polyphosphate
92613	Scalex

## Calcium Inhibitor Filter



### 2.0 LPM

9583
10109

## Mounting Bracket



### For 92609

9583
95022

## Replacement O-Ring



### For 92609

9583
95024

## Filter Wrench



### For 92609

9583
95062

## FOGController

The FOGController is a 2 zone 24V AC microprocessor that accepts input from two separate sensors. The controller has 5 independent programmable relays that can control a series of fans, zone valves, and pumps.

The controller also includes a programmable time delay NC contact that can be used to terminate all output signals from the controller if a defined condition develops with the system.

The humidity settings range from 30% to 99% with a hysteresis range between 1 and 9. The temperature settings range from 70° to 99° with a hysteresis range between 1 and 9. The standard sensor will have an accuracy of +/- 2% from 10% to 70% humidity. It is recommended that the high humidity sensor be used for applications requiring humidity levels above 70%.

- The controller requires a 50 Watt 24V AC transformer as a power supply.



### 2 Zone Microprocessor

9583	Weight g	Dimensions cm		
		L	W	H
92910	454	15.2	8.9	5.7

## FOGController II

The FOGController II is a humidity controller, with an internal humidity sensor that provides automated operation of a fog system. The unit can operate based on its internal sensor or it can be wired to an external sensor for high humidity applications.

The humidity settings range from 10% to 99% with a hysteresis range between 1 and 5. It is recommended to use the external sensor for humidity levels above 50% and our high humidity sensor for humidity levels above 70%.

The FOGController II is a single zone microprocessor and has two output relays with a programmable delay start and stop.

The internal and external sensors are fully calibrated re-flow humidity sensors with digital output that sends binary data over RS485 protocol. The sensor will have an accuracy of +/- 2%.

- The controller requires a 50 Watt 24V AC transformer as a power supply.



### Single Zone Microprocessor

9583	Weight g	Dimensions cm		
		L	W	H
94160	182	14	7.6	2.5

## Sensor



### For High Humidity

9583	Detection Range	Weight g	Dimensions cm		
			L	W	H
92906	0 to 99%	137	10.2	10.2	2.5

## Remote Sensor



### For Temperature/Humidity

9583	Detection Range	Weight g	Dimensions cm		
			L	W	H
92909	0 to 70%	91	10.2	5.1	2.5

## 4 Pin Connector



### To Suit FOGController & FOGController II

9583	Weight g	Dimensions cm		
		L	W	H
92908	10	2.5	2.5	2.5

## Universal Remote Control

The Universal Remote Control (URC) with transmitter and wireless receiver allows automated operation of a fog system up to 150ft away and plugs into standard 20 amp receptacles.

The 230V units are available in both 15 and 20 amp versions. They include a NEMA plug and receptacle. The 230V units are rated to operate a 3hp motor, with a draw of 12 amp and 16 amp respectively.

These controllers include a key fob, a radio frequency wireless receiver, a motor start contactor, a power supply cord and a power cord receptacle in an outdoor rated enclosure. The receiver and transmitter operate on one of four frequency channels.



### 230V/20 AMP

9583	Weight g	Dimensions cm		
		L	W	H
94320.20	1.9	20.3	20.3	10.2



Direct Delivery to Mainland UK only. All include a 2-3 day delivery charge for Mainland UK.  
For Next Day Delivery, please contact our sales office for a quote.

## Sanitize Hand Gels 75% Alcohol



0086	Volume
SS50	50ml
SS250	250ml
SS500	500ml
SS5000	5L

## Sanitize Rapid Surface Disinfectant Spray



0086	Volume Millilitres
RSS400	400

## Mounting Bracket



0086	
REINOLDMAX500-BRKT	

## DETOX Anti-bacterial Wet Wipes



0086	
432944	

## Free Standing Hand Sanitiser Station



0086	
VTSS-1	

## Hand Sanitiser Refill Pack



0086	Volume Litres
VTG2100	1

## V-TUF Portable Hand Wash



0086	Volume Litres
VTX-10LHW	10

## Keep a Safe Distance Floor Marking Tape



0086	Width mm	Roll Length Metres
PTL0500037	48	66

## Hot Runner Floor Tape Applicator

Tape shown is for display purposes only and not included.



0086	Description
FLOOR-TAPE-CADDY	Standard Floor Tape Caddy

### Floor Graphic - Please Keep 2M Apart



0086	Width mm	Height mm	Material
STP001	400	400	Slip Resistant Vinyl

### Floor Graphic - Traffic Light 3 Pack



0086	Width mm	Height mm	Material
STP004	400	400	Slip Resistant Vinyl

### Poster - Social Distancing in Operation



0086	Width mm	Height mm	Material
STP150	2000	5000	PVC Banner

### Medicair Plus Complete Sanitising Kit



0086	Output	Pressure PSI	Receiver	Power	Vault
MEDICAIR-PLUS	105 L/min	116	6 Litre	0.75 Kw	230v

### Floor Graphic - Floor Distance Marker



0086	Width mm	Height mm	Material
STP250	200	200	Slip Resistant Vinyl

### Poster - Wash & Sanitise Your Hands



0086	Width mm	Height mm	Material
408	300	200	Self Adhesive PVC

### Poster - Social Distancing in Operation



0086	Width mm	Height mm	Material
STP130	600	800	Rigid Plastic

### Disposable Type 11R Face Masks (Boxes of 50)



0086	Description	Box Qty
T2MC	Civil Use Face Masks	50

### Machine Washable Face Masks Pack of 5



0086	Description
VM700	Pack of 5 Washable Masks

### Protective Face Shield - 0.35mm PVC Visor



0086	Description
PFS	Protective Face Shield

### Sanifico Sanitising Food Grade Fluid



0086	Volume Litres
SANIFICO-5L	5

# PPE

## Workwear



**High Visibility Polo Shirt**

0086	Description
362467-M	Medium
362467-L	Large
362467-XL	XL
362467-XXL	XXL
362467-XXXL	XXXL



**High Visibility Waistcoat**

0086	Description
430037-M	Medium
430037-L	Large
430037-XL	XL
430037-XXL	XXL



**High Visibility Bomber Jacket**

0086	Description
439008-S	Small
439008-M	Medium
439008-L	Large
439008-XL	XL
439008-XXL	XXL



**High Visibility Jacket**

0086	Description
439007-S	Small
439007-M	Medium
439007-L	Large
439007-XL	XL
439007-XXL	XXL
439007-XXXL	XXXL



**High Visibility Trousers**

0086	Description
343493-S	Small
343493-M	Medium
343493-L	Large
343493-XL	XL
343493-XXL	XXL



**Tyvek Classic Disposable Coverall Type 5/6**

0086	Description
382104-S	Small
382104-M	Medium
382104-L	Large
382104-XL	XL
382104-XXL	XXL
382104-XXXL	XXXL



**Polypropylene Disposable Coverall**

0086	Description
382020-M	Medium
382020-L	Large
382020-XL	XL
382020-XXL	XXL

## Footwear



**Tuf Lace Up Safety Shoe S1P**

0086	Size
142021-6	6
142021-7	7
142021-8	8
142021-9	9
142021-10	10
142021-11	11
142021-12	12



**Tuf Pro Safety Trainer Shoe with Midsole**

0086	Size
100254-3	3
100254-4	4
100254-5	5
100254-6	6
100254-7	7
100254-8	8
100254-9	9
100254-10	10
100254-11	11
100254-12	12



**ProMan PM100 S3 Chukka Boot**

0086	Size
430475-3	3
430475-4	4
430475-5	5
430475-6	6
430475-7	7
430475-8	8
430475-9	9
430475-10	10
430475-11	11
430475-12	12
430475-13	13



**Blue Overshoes, 100 Pack**

0086
149003



## Circlip Kits



## Assorted, 140 Pieces

5556	Description
0350003-8	External Circlips
0350004-6	Internal Circlips

## Standard O-Ring Kits

- NBR 70 material
- 385 pieces in 30 different sizes
- Viton version also available



## Nitrile

5556	Description
ORK1	Imperial
ORK2	Metric

## Cable Ties



## Black, Pack of 100

0040	Width mm	Length mm
CT100X2.5BLK-100	2.5	100
CT200X2.5BLK-100	2.5	200
CT140X3.6BLK-100	3.6	140
CT200X3.6BLK-100	3.6	200
CT300X3.6BLK-100	3.6	295
CT160X4.8BLK-100	4.8	160
CT200X4.8BLK-100	4.8	200
CT300X4.8BLK-100	4.8	295
CT370X4.8BLK-100	4.8	370
CT300X7.6BLK-100	7.6	290
CT370X7.6BLK-100	7.6	370
CT540X7.8BLK-100	7.8	540
CT750X7.8BLK-100	7.8	750

## Ref 0350003-8

Ø Nominal	Quantity	Ø Nominal	Quantity	Ø Nominal	Quantity
—	—	—	—	24	20
5	200	15	100	25	20
8	200	16	100	28	20
9	200	17	50	30	20
10	200	18	50	30	20
11	100	19	50	38	10
12	100	20	50	40	10
13	100	21	50	42	10
14	100	22	20	45	10

## Ref 0350004-6

Ø Nominal	Quantity	Ø Nominal	Quantity	Ø Nominal	Quantity
—	—	—	—	30	20
8	200	17	100	32	20
9	200	19	100	35	20
10	200	20	50	40	20
12	200	21	50	40	20
13	200	21	50	42	10
14	100	24	50	47	10
15	100	26	50	58	10
16	100	28	20	60	10

## Splicing Kits

- NBR 70 material
- 1mtr lengths various sizes
- Cutting and bonding accessories included



## Nitrile

5556	Description
ORK5	Metric



## White, Pack of 100

0040	Width mm	Length mm
CT100X2.5NAT-100	2.5	100
CT200X2.5NAT-100	2.5	200
CT140X3.6NAT-100	3.6	140
CT200X3.6NAT-100	3.6	200
CT300X3.6NAT-100	3.6	295
CT160X4.8NAT-100	4.8	160
CT200X4.8NAT-100	4.8	200
CT300X4.8NAT-100	4.8	295
CT370X4.8NAT-100	4.8	370
CT300X7.6NAT-100	7.6	290
CT370X7.6NAT-100	7.6	370
CT540X7.8NAT-100	7.8	540
CT750X7.8NAT-100	7.8	750

## Hand Wet Wipes

Grime-eez can be used anywhere on the toughest oils, greases and grime encountered in the work place. Each tub contains 50 perforated sheets.



## Heavy-duty Abrasive Wipes

0212	Quantity
IPGHD50	50 Wipes

The moist wipes require no additional liquids as the low alcohol base anti-bacterial cleaning solutions helps clear all stains and marks leaving the skin cleansed as well as dry thanks to rapid evaporation. Each tub contains 150 perforated sheets.



## Degreasing Wipes

0212	Quantity
IPGM	150 Wipes

A powerful alcohol based cleaning solution that quickly gets to work on paint and related stains cleaning fast. Each tub contains 150 perforated sheets.



## Paint & Mastic Removing Wipes

0212	Quantity
IPGP	150 Wipes

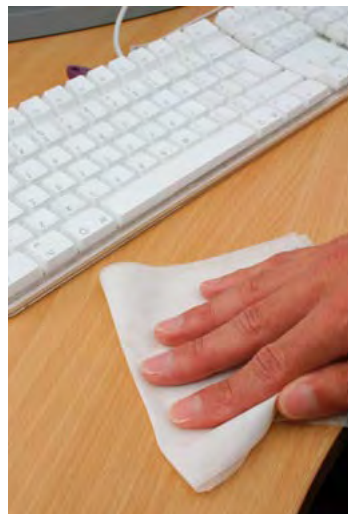
In today's food preparation areas, hygiene guidelines are tough and the risk of cross contamination through neglecting these requirements puts many people at risk. With the surface wipes, killing off all potentially lethal bacteria from passing from one product to another.



## Sani Safe Disinfectant Wipes

0212	Quantity
IPSS4	200 Wipes
IPSSPC1000	1000 Wipes

These handy wipes are an ideal size to keep handy and give off a pleasant fragrance that also identifies when the product is actively killing off bacteria.



## Office Wipes

0212	Quantity
BA035	150 Wipes

## Non-woven Dry Wipes

A strong, low lint, solvent resistant, absorbent cloth. Supplied in a handy dispenser box, suitable for all applications.



### Super Strong Low Lint Rag Replacement

0212	Quantity
DWTWDP	150 Wipes

With excellent absorbency qualities this 3 ply embossed general workshop wiper has been specifically designed to tackle the toughest workshop tasks.



### General Workshop Wiper

0212	Quantity
DWAM7	140 Sheets

An industrial 2 ply centrefeed roll.



### Wiper Rolls

0212	Length Metres	Quantity
CF14BE	140	6 Rolls
MR74	140	2 Rolls

A retail branded quality 2 ply toilet roll.



### Toilet Rolls

0212	Quantity	Colour
CT402839	40 Rolls x 220 Sheets	White

A high volume toilet roll suitable for volume use areas. 76mm core.



### Jumbo Toilet Rolls

0212	Quantity
JT04	12 Rolls

A quality soft hand towel white C-fold.



### Hand Towels

0212	Quantity
HT24	2400 Towels

## Dispensers

Lockable.



### C-Fold Hand Towel Dispenser

0212
HTD534



### Mini Jumbo Toilet Roll Dispenser

0212
JTD202



### Standard Centrefeed Roll Dispenser

0212
CFD216

Portable free standing dispenser.



### Floor Stand Dispenser

0212
MRD522

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0									
0041R	538	0301458-8	541	050CVBH06BNN	65	057CVHT06SNN	64	1002-0038	571
0045R	538	0301459-6	541	050CVBH08BNN	65	057CVHT08SNN	64	100254-10	841
008ABK	410	0301460-9	541	050CVBH10BNN	65	057CVHT10SNN	64	100254-11	841
0200D-110VAC	634	0301461-7	541	050CVFP14BNN	65	057CVHT13SNN	64	100254-12	841
0200D-110VAC	701	0301462-5	541	050CVFP18BNN	65	057CVMT12SNN	64	100254-3	841
0200D-24VAC	634	0301463-3	541	050CVFP38BNN	65	057CVMT14SNN	64	100254-4	841
0200D-24VAC	701	0301464-1	541	050CVHT04BNN	65	057CVMT38SNN	64	100254-5	841
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0200D-24VDC	634	0301466-8	541	050CVHT08BNN	65	057PNFP14SXN	64	100254-7	841
0200D-24VDC	701	0301467-6	541	050CVHT09BNN	65	057PNFP38SXN	64	100254-8	841
02KAAM03MPX	7	0301468-4	541	050CVHT10BNN	65	057PNHT06SXN	64	100254-9	841
02KATF02MPX	7	0301469-2	541	050CVMB14BNN	65	057PNHT08SXN	64	1003A.17.04.00	295
02SFAM03MXX	7	0301470-5	541	050CVMB18BNN	65	057PNHT10SXN	64	1003A.25.04.00	295
02SFIM03MXX	7	0301471-3	541	050CVMP14BNN	65	057PNHT13SXN	64	1003A.40.04.00	295
02SFTF03MXX	7	0301472-1	541	050CVMP18BNN	65	057PNMT12SXN	64	1003A.50.04	295
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03.0435NSOS	730	0301474-8	541	050CVPS06BNN	65	057PNMT38SXN	64	1006A.25.04.00	295
03.0447OS	730	0301575-9	541	050CVPS08BNN	65	061R	538	1006A.40.04.00	295
03.0465OS	730	0301576-7	541	050CVTC06BNN	65	0709R	538	1006A.50.04	295
03.0472OS	730	0301650-8	541	050CVTC08BNN	65	075CVFP12SNN	67	1006A.63.04	295
0300900-1	541	0301651-6	541	050CVTS06BNN	65	075CVFP14SNN	67	101/2-MS	513
0300900-2	541	0301652-4	541	050CVTS08BNN	65	075CVFP38SNN	67	101/2-SS	513
0300900-3	541	0301653-2	541	050PNBH04BXN	66	075CVHT06SNN	67	10109	837
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0300900-5	541	0301655-9	541	050PNBH06BXN	66	075CVHT10SNN	67	1012-0002	205
0300900-6	541	0301656-7	541	050PNBH08BXN	66	075CVHT13SNN	67	1012-0003	205
0300900-7	541	0301657-5	541	050PNBH10BXN	66	075CVMT12SNN	67	1012-0004	205
0300900-8	541	0301658-3	541	050PNFP14BXN	66	075CVMT14SNN	67	1012-0005	205
0300900-9	541	0301659-1	541	050PNFP18BXN	66	075CVMT38SNN	67	1012-0006	205
0300901-0	541	0301660-4	541	050PNFP38BXN	66	075PNFP12SXN	67	1012-0007	205
0300901-1	541	0301661-2	541	050PNHT04BXN	66	075PNFP14SXN	67	1012-0008	205
0300901-2	541	0301662-0	541	050PNHT06BXN	66	075PNFP38SXN	67	1012-0009	205
0300901-3	541	0301663-9	541	050PNHT08BXN	66	075PNHT06SXN	67	1012-0010	205
0300901-4	541	0301664-7	541	050PNHT09BXN	66	075PNHT08SXN	67	1012-0011	205
0300901-5	541	0301665-5	541	050PNHT10BXN	66	075PNHT10SXN	67	1012-0012	205
0300901-6	541	0301666-3	541	050PNMP14BXN	66	075PNHT13SXN	67	1012-0013	205
0300901-7	541	0301667-1	541	050PNMP18BXN	66	075PNMT12SXN	67	1012-0014	205
0300901-8	541	0301668-0	541	050PNMP38BXN	66	075PNMT14SXN	67	1012-0015	205
0300901-9	541	0301750-0	541	050PNPS06BXN	66	075PNMT38SXN	67	1012-0016	205
0300902-0	541	0301751-9	541	050PNPS08BXN	66	0811R	538	1012-0017	205
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0300902-2	541	0301753-5	541	050PNTC08BXN	66	083R	538	1012-0019	205
0300902-3	541	0301754-3	541	050PNTS06BXN	66	085ABK	410	1012-0020	205
0301401-9	541	0301755-1	541	050PNTS08BXN	66	086ABK	410	1012-0021	205
0301402-7	541	0301756-0	541	051R	538	087R	538	1012-0022	205
0301403-5	541	0301757-8	541	054CVFP12BNN	63	090R	538	1012-0023	205
0301404-3	541	0301758-6	541	054CVFP14BNN	63	0911R	538	1012-0024	205
0301405-1	541	0301759-4	541	054CVFP38BNN	63	092.024.30.AC	746	1012-0025	205
0301406-0	541	0301760-7	541	054CVHT06BNN	63	095R	538	1012-0026	205
0301407-8	541	0301761-5	541	054CVHT08BNN	63	1		1012-0027	205
0301408-6	541	0301762-3	541	054CVHT10BNN	63	1-290A8	562	1012-0028	205
0301409-4	541	0301763-1	541	054CVHT13BNN	63	1-MS	513	1012-0029	205
0301410-7	541	0301764-0	541	054CVMT12BNN	63	1-MS-BOX	513	1012-0030	205
0301411-5	541	0301765-8	541	054CVMT14BNN	63	1-SS	513	1012-0031	205
0301412-3	541	0301766-6	541	054CVMT38BNN	63	1/2EPW	306	1012-0032	205
0301414-0	541	0301767-4	541	054PNFP12SXN	63	1/4-BLACK-CUFF	567	1012-0033	205
0301415-8	541	0301768-2	541	054PNFP14SXN	63	1/4-BLUE-CUFF	567	1012-0034	205
0301416-6	541	0301769-0	541	054PNFP38SXN	63	10.20000S	730	1012-0035	205
0301417-4	541	0301770-3	541	054PNHT06SXN	63	10.20000S4	730	1012-0036	205
0301418-2	541	0301771-1	541	054PNHT08SXN	63	10.30120S2	730	1012-0037	205
0301419-0	541	0301772-0	541	054PNHT10SXN	63	10.31000S	730	1012-0038	205
0301451-0	541	0301773-8	541	054PNHT13SXN	63	10.31000S2	730	1012-0039	205
0301452-9	541	0305R	538	054PNMT12SXN	63	1001E.250001	297	1012-0040	205
0301453-7	541	0350003-8	842	054PNMT14SXN	63	1001E.250003	297	1012-0041	205
0301454-5	541	0350004-6	842	054PNMT38SXN	63	1001E.250004	297	1012-0042	205
0301455-3	541	0507R	538	057CVFP12SNN	64	1001E.400002	297	1012-0043	205
0301456-1	541	050CVBH04BNN	65	057CVFP14SNN	64	1001E.400004	297	1012-0044	205
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Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
1013-0054	284	1107A8	560	13280-10-38	168	13500-4-14	168	13KAIW17MPX	8		0
1013-0055	284	1108420000	544	13280-12-12	168	13500-4-18	168	13KAIW21MPX	8		1
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10252	836	110R	538	13280-12-38	168	13500-6-18	168	13KATF08MPX	8		3
1054EL-12	69	111/2-MS	513	13280-14-12	168	13500-8-14	168	13KATF10MPX	8		4
1056-01	776	111/2-SS	513	13280-15-12	168	13500-8-18	168	13KATF13MPX	8		5
1056-02	776	1113R	538	13280-22-34	168	13500-8-38	168	13MHH-0.5	236		6
1056-03	776	112000010	823	13280-4-18	168	13510-10	169	13MHH-1	236		7
105R	538	113R	538	13280-6-14	168	13510-12	169	13MHH-2	236		8
1071-1	598	1150517	134	13280-6-18	168	13510-14	169	13MHH-2.5	236		9
1071-112	598	120R	538	13280-8-14	168	13510-4	169	13MHH-3	236		A
1071-114	598	121/2-MS	513	13280-8-18	168	13510-6	169	13MHH-4	236		B
1071-12	598	121/2-SS	513	13280-8-38	168	13510-8	169	13MHHM-1	236		C
1071-14	598	122	605	133R	538	13530-10-14	168	13MHHM-2	236		D
1071-2	598	1261L-11	69	13460-10	168	13530-10-38	168	13MHHM-2.5	236		E
1071-212	598	128R	538	13460-12	168	13530-6-14	168	13MHHM-3	236		6
1071-3	598	12BIKIT	667	13460-14	168	13530-6-18	168	13MHHM-4	236		7
1071-34	598	12BIKIT2	667	13460-15	168	13530-8-14	168	13PG-0.5	236		8
1071-38	598	12PA.BARE	667	13460-22	168	13530-8-18	168	13PG-0.75	236		9
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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
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Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	
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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
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Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
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2175-1090	374	2175-1171	372	2196-4229	431	2196-4297	431	21SBIW10MPX	17
2175-1091	374	2175-1172	372	2196-4230	431	21KAAS10MPN	14	21SBIW13DPX	21
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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
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1	22-061	577	22BPB-50C	304	231A0240	631	23SFTF08SXN	23	25KBIW21BPX	26
	2207-0684	371	22BPEX-20X2L	304	231A0250	631	23SFTF09SXN	22	25KBTf06BPX	26
2	2207-0685	371	22BPEX-20X3L	304	231A0260	631	23SFTF09SXN	23	25KBTf08BPX	26
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B	2207-0702	371	22SFAK17SXN	9	232F0280	631	24KAAW17MPX	23	25SBTF08MPX	26
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	2207-0705	373	22SFIW17SXN	9	233G02160	631	24KAIW17MPX	23	25SBTF10MPX	28
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G	2207-0714	371	22WB	302	239A0240	631	24PA.KIT1B	667	25SFAK17SXN	25
	2207-0800	371	23012010	542	239K0210	631	24PA.KIT1C	667	25SFAK17SXN	29
H	2207-0801	371	23012028	542	239K0220	631	24SBCX4	705	25SFAK21SXN	25
	2207-0802	371	23012036	542	239K0230	631	25-200	658	25SFAK21SXN	29
I	2207-0803	371	23012044	542	239K0240	631	25-201	658	25SFAW10MXX	27
	2207-0804	371	23012052	542	239K0250	631	25-202	658	25SFAW13MXX	27
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	2207-0806	371	23012079	542	239K0270	631	25-204	658	25SFAW21MXX	27
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	2207-0812	371	23012140	542	23KAIW17MPN	22	254809	822	25SFIW13SXN	29
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	2207-0814	371	23012167	542	23KATF06MPN	22	256426	823	25SFIW17SXN	25
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Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
2600006	352	2651041	351	2651146	351	26KBTf06MPX	28	27KBIW26BPX	31
26024	717	2651043	351	2651147	351	26KBTf08MPX	28	27KBTf10BPX	31
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2651001	352	2651116	351	2651186	352	2702RED25	813	28033	414
2651002	352	2651117	351	2651187	352	2702RED50	813	28034	415
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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	2811-1008-80	308	281A0611	457	28PHLB03	186	300/V	150	3040-12-1/2	128
1	2811-1017-80	307	281A0911	457	28PHLB05	186	301-0038-0000	481	3040-12-1/4	128
2	2811-1022-20	309	2831R	538	28PHLB06	186	301-0050-0000	481	3040-12-3/8	128
3	2811-1023-80	307	28BPEX-10X3L	304	28PHLB07	186	301-0065-0000	481	3040-14-1/2	128
4	2811-1025-80	307	28PHA01	186	28PHLB08	186	301-0075-0000	481	3040-14-3/8	128
5	2811-1051-81	308	28PHA03	186	28PHLB09A	186	301-0100-0000	481	3040-15-1/2	128
6	2811-1063-10	307	28PHA04	186	28PHM01A	186	301-0125-0000	481	3040-16-1/2	128
7	2811-1067-05	307	28PHA05	186	28PHM03	186	301-0150-0000	481	3040-16-3/4	128
8	2811-1152-81	308	28PHA06	186	28PHM04B	186	301-0160-0000	481	3040-16-3/8	128
9	2811-1264-10	309	28PHA08	186	28PHM05	186	301-0200-0000	481	3040-17-1/2	128
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B	2811-2003-80	308	28PHA10	186	28PHM07	186	301-0250-0000	481	3040-18-1/2	128
C	2811-2004-80	308	28PHA11	186	28PHM08	186	301-0300-0000	481	3040-18-3/4	128
D	2811-2005-80	308	28PHA12	186	28PHM09A	186	30110110	542	3040-18-3/8	128
E	2811-2006-80	307	28PHA13	186	28PHMR04B	186	30111029	542	3040-20-1/2	128
F	2811-2008-80	308	28PHA14	186	28PHMR04C	186	30111037	542	3040-20-3/4	128
G	2811-2011-80	308	28PHA15	186	28PHMR05	186	30111045	542	3040-20-3/8	128
H	2811-2022-20	309	28PHA16	186	28PHMR06	186	30111053	542	3040-25-1	128
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K	2811-2063-10	307	28PHA18A	186	28PHMR09	186	3012013	542	3040-6-1/4	128
L	2811-2067-05	307	28PHA19	186	28PHMR10	186	3012021	542	3040-6-1/8	128
M	2811-2108-80	308	28PHA20	186	290035	824	3012030	542	3040-7-1/4	128
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O	2811-2117-80	307	28PHA22	186	2903BLACKBLACK75	813	3012056	542	3040-8-1/4	128
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U	2811-4004-80	308	28PHA25D	186	29PHA27	186	3012136	542	3040-9-3/8	128
V	2811-4005-80	308	28PHA25E	186	29PHA28	186	3012144	542	304057	825
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X	2811-4011-80	308	28PHA38	186	29PHA30	186	3012160	542	3045-12-1/4	128
Y	2811-4022-20	309	28PHA39	186	29PHA31	186	3012179	542	3045-12-3/8	128
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	2811-4208-80	308	28PHA41B	186	29PHA36	186	3012232	542	3045-6-1/4	128
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Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
30801183	509	330-0100-0000	483	350-0100-0000	483	372-0038-0000	487	384-0032-2878	486	0	
30801283	509	330-0100-1002	481	350-0100-1002	481	372-0051-0000	487	384-0038-0000	485	1	
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3160BLACK100	813	34KAIW21SPN	33	355-0125-1001	484	382020-XL	841	38483	550	A	
3160BLACK50	813	34KAIW26SPN	33	355-0150-0000	482	382020-XXL	841	38484	550	B	
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31803	774	34SFIW21SXN	33	355-0300-0000	482	38271	549	38492	550	J	
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3270PP	586	34SFTF16SXN	33	36127	775	38275	549	38496	550	N	
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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	385-0075-0000	485	39017	549	41SFAW21MXN	34	45KFAW17MVX	35	500-16	523
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3	385-0125-0000	485	39020	549	41SFIW26MXN	34	45SFIW17SXN	35	500-19SS	523
4	385-0150-0000	485	39022	549	41SFTF10MXN	34	4600952159	443	500-21	523
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7	38573	550	391-0063-2005	486	41SFTF19MXN	34	48003	418	500-22SS	523
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C	38578	550	391-0203-2005	486	423746	132	48014	417	500-29	523
D	38579	550	3WAY-14	191	423750	132	48015	417	500-29SS	523
E	38580	550	3WAY-18	191	425-13	71	48022	417	500-32	523
F	38581	550	3WAY-8MM	191	425-16	71	48023	417	500-32SS	523
G	38582	550	3X-MS	513	430037-L	841	48024	417	500-35	523
H	38583	550	3X-SS	513	430037-M	841	48026	417	500-35SS	523
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J	38585	550	4-MS	513	430037-XXL	841	48030	417	500-40SS	523
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L	38587	550	400-3012	299	430190	823	48032	417	500-44SS	523
M	38588	550	400-3015	299	430201	824	48034	417	500-48	523
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O	38590	550	400-3022	299	430475-11	841	48042	418	500-52	523
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Q	38592	550	4043R	538	430475-13	841	48KBAW13FVX	36	500-56	523
R	38671	549	405-1015	299	430475-3	841	48KBAW17DPX	36	500-56SS	523
S	38672	549	405-1022	299	430475-4	841	48KBAW17FVX	36	500-5SS	523
T	38673	549	405-1028	299	430475-5	841	48KBAW21DPX	36	500-60	523
U	38674	549	40500A3	560	430475-6	841	48KBAW21FVP	36	500-60SS	523
V	38675	549	40525A3	560	430475-7	841	48KBIW13DPX	36	500-6SS	523
W	38676	549	408	840	430475-8	841	48KBIW17DPX	36	500-8SS	523
X	38677	549	4092.17.00	297	430475-9	841	48KBIW21FVX	36	5000N10-1/2	391
Y	38678	549	4092.25.00	297	430936-L	825	48KBTf06DPX	36	5000N10-1/4	391
Z	38679	549	4092.40.00	297	430936-M	825	48KBTf06PVX	36	5000N10-3/8	391
	38680	549	4092.50.00	297	430936-S	825	48KBTf09DPX	36	5000N12-1/2	391
	38681	549	4092.63.00	297	430936-XL	825	48KBTf13DPX	36	5000N12-1/4	391
	38682	549	410-1522	299	431026	824	48KBTf13FVX	36	5000N12-3/8	391
	38683	549	410901	135	431030	824	48SBIW17DPX	37	5000N14-1/2	391
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	390-0063-0000	486	411268	135	431998	823	48SFAW13DXX	37	5000N6-1/8	391
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	390-0127-0000	486	411331	135	4346R	538	48SFAW21FXX	37	5000N8-1/2	391
	390-0152-0000	486	412-1/4	71	439007-L	841	48SFIW13DXX	37	5000N8-1/4	391
	390-0203-0000	486	415-08	71	439007-M	841	48SFIW17DXX	37	5000N8-1/8	391
	39000	549	415-10	71	439007-S	841	48SFTF09FXX	37	5000N8-3/8	391
	39001	549	415-12	71	439007-XL	841	48SFTF13DXX	37	50010	548
	39002	549	416-08	71	439007-XXL	841	4X-MS	513	50030N10-1/4	391
	39003	549	416-10	71	439007-XXXL	841	4X-SS	513	50030N10-3/8	391
	39004	549	416-12	71	439008-L	841	5		50030N12-1/2	391
	39005	549	418-08	71	439008-M	841	5-MS	513	50030N12-3/8	391
	39006	549	418-10	71	439008-S	841	5-SS	513	50030N4-1/4	391
	39007	549	418-12	71	439008-XL	841	5/16SCV	506	50030N4-1/8	391
	39008	549	41KFAW21MPN	34	439008-XXL	841	500-05	523	50030N4-M5	391
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	39010	549	41KFIM22MPN	34	44025	801	500-08	523	50030N6-1/8	391
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	39016	549	41KFTF19MPN	34	4500600100	443	500-13SS	523	50040N12	391

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
50040N12-10	391	50111N14-1/2	392	505-17	527	53470A8	562	59640A3	564
50040N4	391	50111N14-3/8	392	505-17SS	527	53490A8	562	5SBCV4	705
50040N6	391	50111N4-1/4	392	505-18	527	5349BA8	562	5SBCX4	705
50040N6-4	391	50111N4-1/8	392	505-18SS	527	5349SA3	561		
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50050N12	391	50111N8-1/4	392	50550N10-1/4	392	53500A3	561	600-1306	126
50050N14	391	50111N8-1/8	392	50550N10-3/8	392	5350NA3	561	600-1308	126
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501-35	523	50223N12-1/2	392	510-45	520	5371AA3	562	601-36	523
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501-44	523	50223N6-1/4	392	510-80	520	54027-5	580	601-44	523
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501-48	523	50223N8-1/2	392	511-18	71	5450SA3	565	601-48	523
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501-8SS	523	50310N8	392	5300-207	825	5711114-1/2	385	6060020141	678
501-9	523	505-10	527	5300-208	825	5711114-3/8	385	6060020142	678
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50111N10-3/8	392	505-15SS	527	530AC	605	59603-25	580	6080020119	678
50111N12-1/2	392	505-16	527	530AL	605	5960AA3	564	6080020120	678
50111N12-3/8	392	505-16SS	527	53440A8	562	5961GA3	564	6090020030	678

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	6090020033	678	628-1708	126	640B012016	408	650-1708	124	65610B9	560
1	6090020036	678	628-1710	126	640B012018	408	650-1710	124	65632B9	560
2	6090020038	678	628-2110	126	640B012020	408	650-1712	124	65641B9	560
2	6090020040	678	628-2112	126	640B034018	408	650-1713	124	656EP012	409
3	6090020046	678	6300-12	595	640B034022	408	650-1716	124	656EP014	409
3	6090020053	678	6300-14	595	640B034025	408	650-1719	124	656EP015	409
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5	610AL	605	630C000014	409	6420-18-14	595	650-2113	124	656EP022	409
6	610B012012	408	630C000015	409	6420-18-18	595	650-2116	124	656EP025	409
6	610B012014	408	630C000016	409	6420-38-14	595	650-2119	124	656EP028	409
7	610B012015	408	630C000018	409	6420-38-38	595	650-2125	124	6570-1/4-6	596
7	610B012016	408	630C000020	409	6440-1/2-12	595	650-2122	124	6570-1/4-8	596
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8	610B012020	408	630C000025	409	6440-1/4-10	595	650-2625	124	6570-1/8-6	596
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A	610B034025	408	6310-14-18	595	6440-1/8-6	595	650-3316	124	657DI014	409
B	610B038012	408	6310-18-18	595	6440-1/8-8	595	650-3319	124	657DI015	409
B	610B100028	408	6310-34-34	595	6440-3/4-15	595	650-3325	124	657DI016	409
C	614AA	605	6310-38-38	595	6440-3/8-10	595	650-3332	124	657DI018	409
C	614AC	605	6320-14-14	595	6440-3/8-15	595	650-4219	124	657DI020	409
D	614AE	605	6320-14-18	595	6440-3/8-8	595	650-4225	124	657DI022	409
D	6150SA8	560	6320-18-18	595	64500A3	565	650-4232	124	657DI025	409
E	6151SA8	560	6320-38-38	595	6450SA3	565	650-4238	124	657DI028	409
E	615500ABF	412	6330-14-14	595	64530A3	565	650-4832	124	658AG012	409
F	615B012012	408	6330-18-14	595	6453SA3	565	650-4838	124	658AG014	409
F	615B012014	408	6330-18-18	595	645500ABF	412	650-4850	124	658AG015	409
G	615B012015	408	6340-10-38	595	645B012012	408	650-5238	124	658AG016	409
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H	615B012018	408	63440A8	563	645B012015	408	6500-8	595	658AG020	409
H	615B012020	408	63470A8	563	645B012016	408	650103	678	658AG022	409
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Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
6605.50.48	296	6666.17.25	296	69001A54	350	6920-B-B	596	6960042	348
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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	728A790-04AC220	633	765-25X1.5	233	7S20215	829	810422ABF	410	850400ABF	411
1	728A790-04DC24	633	765-25X2	233	7S30215	829	810516ABF	410	850500ABF	411
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3	73016020	542	765-25X2.5-6M	233	7S50215	829	810622ABF	410	850700ABF	411
4	73016038	542	765-25X3	233	7S60215	829	810722ABF	410	850800ABF	411
5	73016046	542	765-28X2	233	7S70215	829	810822ABF	410	851000	680
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7	73016070	542	765-30X3-6M	233	7S90215	829	812CNFP12SNZ	80	851004	680
8	73016089	542	765-35X3	233	7SBCV4	705	812CNFP34SNZ	80	851008	680
9	73016095	542	765-42X3	233	8		812CNFP38SNZ	80	851013	680
A	73016100	542	765-6X1.5	233	800212ABF	410	812CNHT10SNZ	80	851017	680
B	73016118	542	765-6X1.5-6M	233	800216ABF	410	812CNHT13SNZ	80	851019	680
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D	730316ABF	411	765-8X1.5	233	800316ABF	410	812CNHT25SNZ	80	86-VITON	40
E	730322ABF	411	765-8X1.5-6M	233	800322ABF	410	812CNMT01SNZ	80	860110ABF	411
F	730516ABF	411	765-8X2	233	800412ABF	410	812CNMT12SNZ	80	860200ABF	411
G	730522ABF	411	770300ABF	411	800416ABF	410	812CNMT34SNZ	80	860300ABF	411
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S	743516ABF	411	789-114	212	80380	548	812PNMT34SNZ	80	86KBTH09MVX	39
T	750005	679	789-12	212	80381	548	812PNMT38SNZ	80	86KBTR09MVX	39
U	750010	679	789-14	212	80450	835	815200ABF	412	86KFAW13MVX	39
V	750013	679	789-2	212	8050B-11	69	815300ABF	412	86KFIW10MVX	39
W	750028	679	789-34	212	8051B-11	69	815400ABF	412	86KFIW13MVX	39
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	765-10X1.5	233	790-04AC110	633	8080020492	680	8156120215	544	87-VITON	41
	765-10X1.5-6M	233	790-04AC220	633	8080020501	680	8156120270	544	8700215	830
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	765-15X2	233	7C50215	829	8090020430	680	8156130170	544	877-0009	168
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	765-16X1.5	233	7C70215	829	8090020443	680	81583-B	683	877-0012	168
	765-16X1.5-6M	233	7C80215	829	81/2-MS	513	8200215	830	877-0013	168
	765-16X2	233	7C90215	829	81/2-SS	513	823AA	605	877-0015	168
	765-18X1.5	233	7N20215	829	8100215	830	823AC	605	877-0016	168
	765-18X2	233	7N30215	829	810212ABF	410	823AL	605	877-0018	168
	765-20X1.5	233	7N40215	829	810216ABF	410	8278L-11	69	877-0027	168
	765-20X2	233	7N50215	829	810312ABF	410	8300215	830	877-0125	168
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	765-22X2	233	7N90215	829	810416ABF	410	850300ABF	411	87KBTf13MVX	41

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
87KBT09MVX	41	9202L	578	94512	836	A1-BR-NPT	85	A280280	530
87KBT113MVX	41	9203L	578	94630	834	A1-PP	84	A280320	530
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87KFT09MVX	41	923010-3/8	171	94853	834	A1-SS-NPT	83	A3-AU	82
87KFT13MVX	41	923012-1/2	171	95022	837	A112-AU	82	A3-AU-NPT	82
87KFT09MVX	41	923012-3/8	171	95024	837	A112-AU-NPT	82	A3-BR	85
87KFT13MVX	41	923014-1/2	171	95030	831	A112-BR	85	A3-BR-NPT	85
87KFT09MVX	41	923015-1/2	171	95031	835	A112-BR-NPT	85	A3-PP	84
87KFT13MVX	41	923016-1/2	171	95032	835	A112-PP	84	A3-PP-NPT	84
87SBAK17MVX	41	923018-1/2	171	95033	835	A112-PP-NPT	84	A3-SS	83
87SBAK21MVX	41	92304-1/8	171	95034	835	A112-SS	83	A3-SS-NPT	83
87SFAK13MXX	41	92306-1/4	171	95035	835	A112-SS-NPT	83	A3000-BRKT	613
87SFAK17MXX	41	92306-1/8	171	95036	835	A114-AU	82	A300T	613
87SFAK21MXX	41	92308-1/4	171	95037	835	A114-AU-NPT	82	A30AA	605
87SFIW13SXN	41	92308-1/8	171	95038	835	A114-BR	85	A30AC	605
87SFIW17SXN	41	92308-3/8	171	95039	835	A114-PP	84	A30AE	605
87VNX110MXX	41	923AL	605	95040	835	A114-PP-NPT	84	A30AL	605
87VNX15MXX	41	923EA	605	95041	836	A114-SS	83	A34-AU	82
8807-11	69	923EC	605	95062	837	A114-SS-NPT	83	A34-AU-NPT	82
88801	452	923EE	605	95161600	536	A12-AU	82	A34-BR	85
88802	452	92519	836	95162000	536	A12-AU-NPT	82	A34-BR-NPT	85
88804	452	92520	836	95162500	536	A12-BR	85	A34-PP	84
89435	773	92603	837	95163200	536	A12-BR-NPT	85	A34-PP-NPT	84
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8952DL-12	69	92611	837	95KSAK13BPN	42	A12-SS-NPT	83	A4-AU	82
8C20215	828	92612	837	95KSAK17BPN	42	A12/34-PP-NPT	84	A4-AU-NPT	82
8C30215	828	92613	837	95KSAK21BPN	42	A15050	578	A4-BR	85
8C40215	828	92630	834	95KSIW13BPN	42	A15055	578	A4-BR-NPT	85
8C50215	828	92702	834	95KSIW17BPN	42	A15060	578	A4-PP	84
8C60215	828	92703	834	95KSIW21BPN	42	A2-AU	82	A4-PP-NPT	84
8C70215	828	92704	834	95KSTF06BPN	42	A2-AU-NPT	82	A4-SS	83
8C80215	828	92706	834	95KSTF08BPN	42	A2-BR	85	A4-SS-NPT	83
8C90215	828	92707	834	95KSTF09BPN	42	A2-BR-NPT	85	A4000-BRKT	613
8N20215	828	9271	776	95KSTF10BPN	42	A2-PP	84	A40050	578
8N30215	828	92711	834	95KSTF13BPN	42	A2-PP-NPT	84	A40055	578
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8N60215	828	92788	836	96100	833	A2000-BRKT	613	A5-BR-NPT	85
8N70215	828	92808	836	96SSAK13EXX	42	A200T	613	A5000-BRKT	613
8N80215	828	92906	838	96SSAK13MXN	42	A212-AU	82	A500T	613
8N90215	828	92908	838	96SSAK17MXN	42	A212-AU-NPT	82	A6-AU	85
8S20215	828	92909	838	96SSIW13MXN	42	A212-BR	85	A6-BR-NPT	82
8S30215	828	92910	838	96SSIW17MXN	42	A212-BR-NPT	85	A6-SS	83
8S40215	828	92923	834	96SSTF06MXN	42	A212-SS	83	A6000SE	663
8S50215	828	93000-12VDC	832	96SSTF09MXN	42	A212-SS-NPT	83	A940040-1	532
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8S70215	828	93039	837	96SSTF13MXN	42	A25055	578	A940050-1	532
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91/2-MS	513	93503	836	971-10-266	149	A270200	530	A940080-1	532
91/2-SS	513	93505	836	9739-11	69	A270250	530	A940080-2	532
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910.04.SDP012828	149	93512	835	975-10-272	149	A270320	530	A940100-2	532
910.04.SDP030606	149	93520	835	9750-11	69	A270380	530	A940120-1	532
910.04.SDP032727	149	93597	836	9792D-12	69	A270450	530	A940120-2	532
910.04.SDP062727	149	93598	836	9793D-12	69	A270500	530	A940160-1	532
910.04.SDP142828	149	93613	837	A		A270630	530	A980045	530
910.06.SDP011414	149	93614	837	A00050	578	A280060	530	A980050	530
910.06.SDP030606	149	93820	831	A00055	578	A280100	530	A980060	530
910.06.SDP062727	149	94160	838	A00060	578	A280120	530	A980080	530
910.06.SDP142828	149	94169	832	A1-AU	82	A280160	530	A980090	530
910.10.SDP011414	149	94320	838	A1-AU-NPT	82	A280200	530	A980100	530
910.10.SDP012828	149	94506	836	A1-BR	85	A280250	530	A980110	530

	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	A980120	530	AA7105	47	AB129035Y	445	ABS02-6	683	AC7106	47
1	A980130	530	AA7106	47	AB129050B	413	ABU-1000-1000AN	224	AC7108	47
	A980140	530	AA7107	47	AB129050B	445	ABU-250-250AN	224	AC7109	47
2	A980150	530	AA7108	47	AB129050R	413	ABU-375-375AN	224	AC7110	47
	A980160	530	AA7109	47	AB129050R	445	ABU-500-500AN	224	AC7113	47
3	A980180	530	AA7110	47	AB129050Y	413	ABU-750-750AN	224	AC71CF	47
	A980190	530	AA7111	47	AB129050Y	445	AC1106	46	AC71CM	47
4	A980200	530	AA7112	47	AB12930	413	AC1108	46	AC71EF	47
	A980210	530	AA7113	47	AB12930	445	AC1109	46	AC71EM	47
5	A980220	530	AA7114	47	AB161230	413	AC11AF	46	AC71JF	47
	A980230	530	AA7502	49	AB161230	445	AC11AM	46	AC71JM	47
6	A980240	530	AA7503	49	AB181430	413	AC11CF	46	AC7306	52
	A980250	530	AA7504	49	AB181430	445	AC11CM	46	AC7308	52
7	A980270	530	AA7506	49	AB4230	413	AC2010-01	612	AC7310	52
	A980280	530	AA7507	49	AB4230	445	AC2010-02	612	AC7313	52
8	A980290	530	AA7510	49	AB6430	413	AC2010-02D	612	AC73CF	52
	A980300	530	AA7511	49	AB6430	445	AC21CF02	43	AC73CM	52
9	A980320	530	AA7512	49	AB8630	413	AC21CM02	43	AC73EF	52
A	A980330	530	AA7513	49	AB8630	445	AC21EF02	43	AC73EM	52
	A980350	530	AA7702	48	ABCC112	93	AC21EM02	43	AC73JF	52
B	A980380	530	AA7703	48	ABCC2	93	AC21JF02	43	AC73JM	52
	A980400	530	AA7706	48	ABCC212	93	AC21JM02	43	AC7506	49
C	A980420	530	AA7707	48	ABCCBSP3	93	AC21R02	43	AC7508	49
	A980440	530	AA7710	48	ABCCBSP4	93	AC21S02	43	AC7510	49
D	A980470	530	AA7711	48	ABCCURT3	93	AC21T02	43	AC7513	49
	A980480	530	AA7712	48	ABCCURT4	93	AC3010-02	612	AC75CF	49
E	A980500	530	AA7802	51	ABH.4.3/4	655	AC3010-02D	612	AC75CM	49
	A980520	530	AA7803	51	ABH.6.3/4	655	AC4010-04	612	AC75EF	49
F	A980530	530	AA7804	51	ABPC2	93	AC4010-04D	612	AC75EM	49
	A980540	530	AA7806	51	ABPC212	93	AC4CF02	45	AC75JF	49
G	A980550	530	AA7807	51	ABPCBSP3	93	AC4CM02	45	AC75JM	49
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I	A980700	530	AA7812	51	ABS/CTUBE-3-112	345	AC4JM02	45	AC7713	48
	AA1106	46	AA7813	51	ABS/CTUBE-3-114	345	AC5010-06D	612	AC77CF	48
J	AA1109	46	AAFDURT3	94	ABS/CTUBE-3-2	345	AC5010-10D	612	AC77CM	48
	AA11AF	46	AAFDURT4	94	ABS/CTUBE-3-212	345	AC51CF	53	AC77EF	48
K	AA11AM	46	AAFNP16URT3	94	ABS/CTUBE-3-3	345	AC51CM	53	AC77EM	48
	AA11CF	46	AAMF112112	94	ABS/CTUBE-3-4	345	AC51EF	53	AC77JF	48
L	AA11CM	46	AAMF1122	94	ABS/CTUBE-3-5	345	AC51EM	53	AC77JM	48
	AA5102	53	AAMF1123	94	ABS/CTUBE-3-6	345	AC51JF	53	AC7806	51
M	AA5103	53	AAMF2122	94	ABS/CTUBE-3-8	345	AC51JM	53	AC7808	51
	AA5106	53	AAMF212212	94	ABS/CTUBE-6-1	345	AC51R	53	AC7810	51
N	AA5107	53	AAMF2123	94	ABS/CTUBE-6-112	345	AC51S	53	AC7813	51
	AA5110	53	AAMF22	94	ABS/CTUBE-6-114	345	AC51T	53	AC78CF	51
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P	AA5202	54	AAMF32	94	ABS/CTUBE-6-3	345	AC52EF	54	AC78EM	51
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Q	AA5206	54	AAMF33	94	ABS/ETUBE-3-1	345	AC52T	54	AC78JM	51
	AA5210	54	AAMF34	94	ABS/ETUBE-3-112	345	AC59JF	53	AC900-15	619
R	AA5302	53	AAMF43	94	ABS/ETUBE-3-114	345	AC59JM	53	AC900-15D	619
	AA5303	53	AAMFURTURET34	94	ABS/ETUBE-3-12	345	AC59V	53	AC900-20	619
S	AA5306	53	AAMM22	94	ABS/ETUBE-3-2	345	AC5EF02	45	AC900-20D	619
	AA5307	53	AAMM33	94	ABS/ETUBE-3-3	345	AC5EM02	45	AC901-15D	619
T	AA5310	53	AAMM43	94	ABS/ETUBE-3-34	345	AC5JF02	45	AC901-20D	619
	AA5311	53	AAMMBSPURT33	94	ABS/ETUBE-3-4	345	AC5JM02	45	AC91CF	43
U	AA5312	53	AB.HPPK	655	ABS/ETUBE-6-1	345	AC6103	45	AC91CM	43
V	AA5402	54	AB10730	413	ABS/ETUBE-6-112	345	AC61CF	50	AC91EF	43
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W	AA5904	54	AB10830	413	ABS/ETUBE-6-12	345	AC61EF	50	AC91JF	43
	AA5908	54	AB10830	445	ABS/ETUBE-6-2	345	AC61EM	50	AC91JM	43
X	AA5913	54	AB129035B	413	ABS/ETUBE-6-3	345	AC61JF	50	AC91R	43
	AA7101	47	AB129035B	445	ABS/ETUBE-6-34	345	AC61JM	50	AC91S	43
Y	AA7102	47	AB129035R	413	ABS02-1	683	AC61R	50	AC91T	43
	AA7103	47	AB129035R	445	ABS02-2	683	AC61S	50	ACA1793	43
Z	AA7104	47	AB129035Y	413	ABS02-4	683	AC61T	50	ACA2487	43



Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
ACA2488	43	AD42-112112-UPVC	336	AFG4H03	729	AK-VV18	145	AP7319	713
ACA2593	43	AD42-112114-UPVC	336	AFG4H031	728	AKN02NP	136	AP7451	710
ACA2653	45	AD42-1122-UPVC	336	AFG4H04	729	AKN04NP	136	AP7460	710
ACA2654	45	AD42-1141-UPVC	336	AFG4H05	729	AKN06NP	136	AP7495	711
ACA2657	45	AD42-114114-UPVC	336	AFG4H06	729	AKN08NP	136	AP7636	713
ACA2658	45	AD42-1212-UPVC	336	AFG4H061	729	AL-RM1210-3M-20B	299	AP8031K5G	713
ACA2659	45	AD42-1234-UPVC	336	AFG6H04	728	AL-RM1513-3M-20B	299	AP818C	715
ACA2660	45	AD42-134-UPVC	336	AFR900-15D	619	AL-RM1816-3M-20B	299	AP8411	716
ACA2661	45	AD42-2112-UPVC	336	AFR900-20D	619	AL-RM2220-3M-20B	299	AP8641-1	715
ACA2746	43	AD42-2122-UPVC	336	AG50-0015	638	AL-RM2826-3M-10B	299	AP8641-4	715
ACA2994	45	AD42-212212-UPVC	336	AGT13/06K	121	AL2000-01	613	APA-15	716
ACA2999	45	AD42-2123-UPVC	336	AGT13/08K	121	AL2000-02	613	APA-25	716
ACA3035	45	AD42-22-UPVC	336	AGT13/09K	121	AL3000-02	613	APAS1005	717
ACA3036	45	AD42-3212-UPVC	336	AGT13/13K	121	AL4000-04	613	APAS1005-N1.4	717
ACA3037	45	AD42-33-UPVC	336	AGT17/09K	121	ALG5H04	729	APAS1005-N1.7	717
ACA6582	43	AD42-34-UPVC	336	AGT17/13K	121	ALU-CUTTER15	301	APAS1005-N2.2	717
ACA6583	43	AD42-341-UPVC	336	AGT21/13K	121	ALU-CUTTER22	301	APBN-12	164
ACA6584	43	AD42-3412-UPVC	336	AGT21/19K	121	ALU-CUTTER28	301	APBN-14	164
ACA6909	43	AD42-3434-UPVC	336	AGT26/19K	121	AM121	817	APBN-38	164
ACA6912	50	AD42-43-UPVC	336	AGT33/25K	121	AM131	817	APBN-516	164
ACA6922	50	AD42-44-UPVC	336	AHK-1000B	707	AM141	818	APBO-12	164
ACA6923	50	ADAPT.UNI.L	666	AHK-100B	707	AM161	818	APBO-14	164
ACA6924	50	ADP60AV	668	AHK-10B	707	AM181	818	APBO-38	164
ACA6930	50	ADP60PV	668	AHK-1500B	707	AM1915W	306	APBO-516	164
ACC00005	646	ADP90AN	668	AHK-150B	707	AMT112	91	APEC-12	164
ACC00006	646	ADSCV1414	451	AHK-15B	707	AMT2	91	APEC-14	164
ACC00007	646	ADSCV1438	451	AHK-2000B	707	AMT212	91	APEC-38	164
ACC00022	646	ADSCV3838	451	AHK-200B	707	AMT3BSP	91	APEC-516	164
ACC01582	646	ADSCV51638	451	AHK-24B	707	AMT3URT	91	APEE-12	164
ACC01583	646	ADTG4	728	AHK-270B	707	AMT4BSP	91	APEE-14	164
ACC02082	646	AE405	553	AHK-3000B	707	AMT4URT	91	APEE-38	164
ACC02083	646	AE406	553	AHK-500B	707	AN14	451	APEE-516	164
ACK-2	690	AE407	553	AHK-50B	707	AN38	451	APET-12	164
ACK10A	108	AE425	553	AHK-5B	707	A0112	818	APET-14	164
ACK10I	108	AE426	553	AHK-720B	707	A0121	818	APET-38	164
ACK10T	108	AE427	553	AHK-900B	707	A0131	817	APET-516	164
ACK12A	108	AE465	553	AIRTU020S	311	A0132	817	APFE-14-14	164
ACK12I	108	AE466	553	AIRTU025S	311	A0141	818	APFE-38-14	164
ACK12T	108	AE467	553	AIRTU032S	311	A0151	817	APFE-38-38	164
ACK34A	108	AE475	553	AIRTU040S	311	A0152	817	APFE-516-14	164
ACK34I	108	AE476	553	AIRTU050S	311	A0153	817	APFS-12-12	164
ACK34T	108	AE477	553	AIRTU063S	311	A0161	818	APFS-12-14	164
ACK38A	108	AE505	553	AK-MM08	145	A0181	818	APFS-12-38	164
ACK38I	108	AE506	553	AK-MM10	145	AOP:3T.HR.A	669	APFS-14-12	164
ACK38T	108	AE507	553	AK-MM12	145	AP100B	713	APFS-14-14	164
ACKIT01	44	AE565	553	AK-MM14	145	AP100B-N1.5	717	APFS-14-18	164
ACT112	91	AE566	553	AK-MM16	145	AP17101	712	APFS-14-38	164
ACT2	91	AE567	553	AK-MM18	145	AP17107	712	APFS-38-12	164
ACT212	91	AE575	553	AK-MM20	145	AP17111	712	APFS-38-14	164
ACT3BSP	91	AE576	553	AK-MM22	145	AP17313	713	APFS-38-38	164
ACT3URT	92	AE577	553	AK-MM24	145	AP17315	713	APFS-516-12	164
ACT4BSP	91	AEMC14	451	AK-MM26	145	AP17411-1/2	710	APFS-516-14	164
ACT4URT	92	AEMC38	451	AK-NN12	145	AP17411-3/8	710	APFS-516-38	164
AD32-10-UPVC	336	AEMC3814	451	AK-NN14	145	AP17621	713	APH827-N1.4	717
AD32-11-UPVC	336	AF2000-01	612	AK-NN18	145	AP17803-A	713	APH827-N1.7	717
AD32-12-UPVC	336	AF2000-01D	612	AK-NN38	145	AP17808	711	APH827-N2.2	717
AD32-13-UPVC	336	AF2000-02	612	AK-PP12	145	AP22	747	APH827A	717
AD32-15-UPVC	336	AF2000-02D	612	AK-PP14	145	AP313	715	APIPC108	525
AD32-17-UPVC	336	AF3000-02	612	AK-PP18	145	AP413	715	APIPC112	525
AD32-19-UPVC	336	AF3000-02D	612	AK-PP38	145	AP415	715	APIPC137	525
AD32-3-UPVC	336	AF4000-04	612	AK-TT1	145	AP488	715	APIPC14	525
AD32-4-UPVC	336	AF4000-04D	612	AK-TT12	145	AP515	715	APIPC159	525
AD32-5-UPVC	336	AF4000-06D	612	AK-TT14	145	AP517	715	APIPC20	525
AD32-6-UPVC	336	AF5000-06D	612	AK-TT18	145	AP7001	714	APIPC26	525
AD32-7-UPVC	336	AF5000-10D	612	AK-TT34	145	AP7002-7	714	APIPC32	525
AD32-8-UPVC	336	AFFN-1/4	744	AK-TT38	145	AP7006	714	APIPC40	525
AD32-9-UPVC	336	AFG1H03	728	AK-VV12	145	AP7007	714	APIPC48	525
AD42-11-UPVC	336	AFG1H08	728	AK-VV14	145	AP7225	712	APIPC54	525

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	APIPC58	525	APST-12-12	164	ASAH-1/4-20	478	B1-PP-NPT	84	B17T04M	56
1	APIPC68	525	APST-12-14	164	ASAH-3/4-20	478	B1-SS	83	B18.5X19.5SS	449
2	APIPC72	525	APST-14-14	164	ASAH-3/8-20	478	B1-SS-NPT	83	B18X20	449
3	APIPC88	525	APST-14-18	164	ASAH-5/16-20	478	B10006HP	60	B1902MP	56
4	APKLC12	714	APST-38-14	164	ASAH-5/8-20	478	B10008MPS	60	B1904F	56
5	APKLC38	714	APST-516-14	164	ASG-1	735	B10AA	605	B1904FP	56
6	APLALL048	321	APSWM12	525	ASS-RTDH-1-10	653	B10AC	605	B1904H	56
7	APLALL068	321	AQM-SEALANT	332	ASS-RTDH-1-12	653	B10AE	605	B1904HP	56
8	APLALLMUL068038	321	AQV-12-10	444	ASS-RTDH-1-15	653	B10AL	605	B1904M	56
9	APLALLMUL068048	321	AQV-12-30	444	ASS-RTDH-1-3	653	B112-AU	82	B1904MP	56
A	APMS-12-12	164	AQV-16-10	444	ASS-RTDH-1-4	653	B112-AU-NPT	82	B1905H	56
B	APMS-12-14	164	AQV-16-30	444	ASS-RTDH-1-5	653	B112-BR	85	B1905HP	56
C	APMS-12-38	164	AQV-19-10	444	ASS-RTDH-1-6	653	B112-BR-NPT	85	B1906F	56
D	APMS-14-12	164	AQV-19-30	444	ASS-RTDH-1-8	653	B112-PP	84	B1906FP	56
E	APMS-14-14	164	AQV-26-10	444	ASW-1	738	B112-PP-NPT	84	B1906H	56
F	APMS-14-18	164	AQV-26-30	444	ATC12	632	B112-SS	83	B1906HP	56
G	APMS-14-38	164	AQV-33-10	444	ATC6	632	B112-SS-NPT	83	B1906M	56
H	APMS-38-12	164	AR100	498	ATCFRL12	632	B114-AU	82	B1906MP	56
I	APMS-38-14	164	AR200	498	ATCFRL6	632	B114-AU-NPT	82	B1908F	56
J	APMS-38-18	164	AR2000-01	611	ATF12	632	B114-BR	85	B1908FP	56
K	APMS-38-38	164	AR2000-02	611	ATF6	632	B114-BR-NPT	85	B1908H	56
L	APMS-516-12	164	AR250	812	ATL12	632	B114-PP	84	B1908HP	56
M	APMS-516-14	164	AR3000-02	611	ATL6	632	B114-PP-NPT	84	B1908M	56
N	APMS-516-18	164	AR4000-04	611	ATR12	632	B114-SS	83	B1908MP	56
O	APMS-516-38	164	AR4000-046	611	ATR6	632	B114-SS-NPT	83	B2-AU	82
P	APOL.1	676	AR5000-06	611	AV08NP	136	B11X12SS	449	B2-AU-NPT	82
Q	APPC108	525	AR5000-10	611	AV201	740	B12-AU	82	B2-BR	85
R	APPC176	525	AR900-15	619	AVK-1000B	707	B12-BR	85	B2-BR-NPT	85
S	APPC20	525	AR900-20	619	AVK-1000G	707	B12-BR-NPT	85	B2-PP	84
T	APPC31	525	ARH100	704	AVK-100B	707	B12-PP	84	B2-PP-NPT	84
U	APPC40	525	ARH25	704	AVK-100G	707	B12-SS	83	B2-SS	83
V	APPC52	525	ARH270	704	AVK-1500B	707	B12-SS-NPT	83	B2-SS-NPT	83
W	APPC57	525	ARH50	704	AVK-150B	707	B12/34-PP-NPT	84	B2X022	449
X	APPC63	525	ARV100	704	AVK-2000B	707	B12X14	449	B2102BH	57
Y	APPC67	525	ARV1000	704	AVK-2000G	707	B13X14SS	449	B2102F	57
Z	APPC72	525	ARV1000G	704	AVK-200B	707	B13X15	449	B2102FP	57
	APPC76	525	ARV150	704	AVK-200G	707	B1404F	55	B2102M	57
	APPC89	525	ARV1500	704	AVK-24B	707	B1404FP	55	B2102MP	57
	APPC95	525	ARV1500G	704	AVK-270B	707	B1404H	55	B2103HP	57
	APPGUN-50	809	ARV200	704	AVK-270G	707	B1404M	55	B2104BH	57
	APR200S	717	ARV2000	704	AVK-3000B	707	B1404MP	55	B2104F	57
	APR500	717	ARV2000G	704	AVK-3000G	707	B1406HP	55	B2104FP	57
	APR500R200S-N1.3	717	ARV200G	704	AVK-500B	707	B1406M	55	B2104H	57
	APR500R200S-N1.5	717	ARV270	704	AVK-500G	707	B14X16	449	B2104HP	57
	APR500R200S-N2.0	717	ARV270G	704	AVK-50B	707	B15X16SS	449	B2104M	57
	APR71-N1.3	717	ARV500	704	AVK-720B	707	B16X18	449	B2104MP	57
	APR71-N1.5	717	ARV500G	704	AVK-720G	707	B1702FP	56	B2105H	57
	APR71-N1.7	717	ARV725	704	AVK-900B	707	B1702MP	56	B2105HP	57
	APR8318A	716	ARV725G	704	AVK-900G	707	B1704F	55	B2106H	57
	APRC13	525	ARV900	704	AW-R6-10000	686	B1704FP	56	B2106Q	57
	APRC20	525	ARV900G	704	AW-R6-2000	686	B1704H	55	B2106QBH	57
	APRC25	525	AS71CF	47	AW-R6-4000	686	B1704HP	56	B2106QP	57
	APSE-12-12	164	AS71CM	47	AW-R6-600	686	B1704M	55	B2108Q	57
	APSE-12-14	164	AS71EF	47	AW2000-01	611	B1704MP	56	B2108QBH	57
	APSE-12-38	164	AS71EM	47	AW2000-02	611	B1705H	55	B2108QP	57
	APSE-14-12	164	AS71JF	47	AW2000-02D	611	B1705HP	56	B212-AU	82
	APSE-14-14	164	AS71JM	47	AW3000-02	611	B1706F	55	B212-AU-NPT	82
	APSE-14-18	164	ASAFG-110	329	AW3000-02D	611	B1706FP	56	B212-BR	85
	APSE-14-38	164	ASAFG-20	329	AW4000-04	611	B1706H	55	B212-BR-NPT	85
	APSE-38-12	164	ASAFG-25	329	AW4000-04D	611	B1706HP	56	B212-SS	83
	APSE-38-14	164	ASAFG-32	329	AW5000-06D	611	B1706M	55	B21X23	449
	APSE-38-18	164	ASAFG-40	329	AW5000-10D	611	B1706MP	56	B2304F	58
	APSE-38-38	164	ASAFG-50	329	<b>B</b>		B1708F	55	B2304FP	58
	APSE-516-14	164	ASAFG-63	329	B1-AU	82	B1708H	55	B2304HP	58
	APSE-516-18	164	ASAFG-75	329	B1-AU-NPT	82	B1708HP	56	B2304M	58
	APSE-516-38	164	ASAFG-90	329	B1-BR	85	B1708M	55	B2304MP	58
	APSF504DRC	712	ASAH-1-20	478	B1-BR-NPT	85	B1708MP	56	B2304MPS	58
	APSHM10	525	ASAH-1/2-20	478	B1-PP	84	B17T04F	56	B2305H	58

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
B2305HP	58	B3-BR	85	BB15	700	BE33-4-UPVC	334	BG605	740		0
B2306F	58	B3-BR-NPT	85	BB24	700	BF-10	231	BGN466	740		1
B2306FP	58	B3-PP	84	BB50D	700	BF-1000	225	BH100	498		2
B2306H	58	B3-PP-NPT	84	BB8	700	BF-12	225	BHISO-B02	74		3
B2306HP	58	B3-SS	83	BBEC02	245	BF-125	225	BHISO-B02P	74		4
B2306M	58	B3-SS-NPT	83	BBEC04	245	BF-14	231	BHISO-B04	74		5
B2308F	58	B33X35	449	BBEC06	245	BF-15	231	BHISO-B04P	74		6
B2308HP	58	B34-AU	82	BBEC08	245	BF-16	231	BHISO-B06	74		7
B2308M	58	B34-AU-NPT	82	BBEC12	245	BF-18	231	BHISO-B06P	74		8
B23X25	449	B34-BR	85	BBEC16	245	BF-187	225	BHISO-B08	74		9
B23X25SS	449	B34-BR-NPT	85	BBEC20	245	BF-20	231	BHISO-B08P	74		A
B2502FP	59	B34-PP	84	BBEC24	245	BF-22	231	BHISO-B12	74		B
B2502MP	59	B34-PP-NPT	84	BBEC32	245	BF-25	231	BHISO-B12P	74		C
B2504F	59	B34-SS	83	BBEC40	245	BF-250	225	BHISO-B16	74		D
B2504FP	59	B34-SS-NPT	83	BBEC48	245	BF-3	231	BHISO-B16P	74		E
B2504H	59	B36X38	449	BBEC64	245	BF-312	225	BIODDH-1	447		F
B2504HP	59	B36X38SS	449	BC-110-UPVC	327	BF-375	225	BIODDH-34	447		G
B2504M	59	B4-AU	82	BC-125-UPVC	327	BF-4	231	BJN1	582		H
B2504MP	59	B4-AU-NPT	82	BC-13	575	BF-500	231	BJN12	582		I
B2505H	59	B4-BR	85	BC-140-UPVC	327	BF-6	231	BJN34	582		J
B2505HP	59	B4-BR-NPT	85	BC-15	575	BF-625	225	BKH-1	607		K
B2506F	59	B4-PP-NPT	84	BC-16-UPVC	327	BF-750	225	BKH-112	607		L
B2506FP	59	B4-SS	83	BC-160-UPVC	327	BF-8	231	BKH-114	607		M
B2506H	59	B4-SS-NPT	83	BC-18	575	BF-875	225	BKH-12	607		N
B2506HP	59	B401A340L	646	BC-20	575	BF00-1-UPVC	337	BKH-14	607		O
B2506M	59	B401A342L	646	BC-20-UPVC	327	BF00-112-UPVC	337	BKH-34	607		P
B2506MP	59	B401A344L	646	BC-200-UPVC	327	BF00-114-UPVC	337	BKH-38	607		Q
B2506MPS	59	B401A346L	646	BC-225-UPVC	327	BF00-12-UPVC	337	BLH2-25M-ASSY	462		R
B2508F	59	B401A348L	646	BC-25-UPVC	327	BF00-2-UPVC	337	BLH2-50M-ASSY	462		S
B2508FP	59	B401A352L	646	BC-32-UPVC	327	BF00-3-UPVC	337	BLH3-100M-ASSY	462		T
B2508H	59	B401A354L	646	BC-40-UPVC	327	BF00-34-UPVC	337	BLH3-25M-ASSY	462		U
B2508HP	59	B46X50	449	BC-50-UPVC	327	BF00-4-UPVC	337	BLH3-50M-ASSY	462		V
B2508M	59	B6-BR-NPT	85	BC-63-UPVC	327	BF00-5-UPVC	337	BLH4-100M-ASSY	462		W
B2508MP	59	B6005HP	60	BC-75-UPVC	327	BF00-6-UPVC	337	BLH4-25M-ASSY	462		X
B25B04F	58	B6006M	60	BC-90-UPVC	327	BF10-212-ABS	344	BLH4-50M-ASSY	462		Y
B25B04FP	58	B6006MP	60	BCJ1250	753	BFC-10-250N	227	BLH6-100M-ASSY	462		Z
B25B04HP	58	B6008F	60	BCJ425	753	BFC-1000-1000N	220	BLH6-25M-ASSY	462		
B25B04M	58	B67X70	449	BCJ620	753	BFC-12-375N	227	BLH6-50M-ASSY	462		
B25B04MP	58	B6804F	60	BCJ825	753	BFC-12-500N	227	BLN-10-FT	231		
B25B05H	58	B6804FP	60	BD-20	575	BFC-125-125N	220	BLN-1000	225		
B25B05HP	58	B6804MP	60	BD-25	575	BFC-187-125N	220	BLN-12-FT	231		
B25B06F	58	B6806FP	60	BD-30	575	BFC-250-125N	220	BLN-125	225		
B25B06H	58	B6806H	60	BD-36	575	BFC-250-250N	220	BLN-14	231		
B25B06HP	58	B6806HP	60	BD212	491	BFC-312-125N	220	BLN-16-FT	231		
B25B06M	58	B6806MP	60	BDH-19	476	BFC-375-250N	220	BLN-18	231		
B25B06MP	58	B6808F	60	BDH-19-10	476	BFC-500-375N	220	BLN-187	225		
B25B08F	58	B6808FP	60	BDH-25	476	BFC-500-500N	220	BLN-20-FT	231		
B25B08H	58	B6808H	60	BDH-25-10	476	BFC-6-125N	227	BLN-250	225		
B25B08HP	58	B6808HP	60	BDH-32	476	BFC-6-250N	227	BLN-3	231		
B25B08M	58	B6808M	60	BDH-32-10	476	BFC-625-500N	220	BLN-312	225		
B25B08MP	58	B6808MP	60	BDH-38	476	BFC-750-750N	220	BLN-375	225		
B26X28	449	B6812F	60	BE33-1-ABS	342	BFC-8-125N	227	BLN-4	231		
B2704FP	59	B6812H	60	BE33-1-UPVC	334	BFC-875-750N	220	BLN-500	225		
B2704MP	59	B6812M	60	BE33-112-ABS	342	BFC360411E	398	BLN-6	231		
B2706F	59	B6812MP	60	BE33-112-UPVC	334	BFC3604M5E	398	BLN-625	225		
B2706H	59	BA-16	575	BE33-114-ABS	342	BFC360611E	398	BLN-750	225		
B2706HP	59	BA-18	575	BE33-114-UPVC	334	BFC360612E	398	BLN-8	231		
B2706MP	59	BA-20	575	BE33-12-ABS	342	BFC360812E	398	BLN-875	225		
B2708F	59	BA035	843	BE33-12-UPVC	334	BFC361013E	398	BMC-10-250N	227		
B2708FP	59	BASA150-110-UPVC	329	BE33-2-ABS	342	BFC361214E	398	BMC-10-375N	227		
B2708H	59	BASA150-32-UPVC	329	BE33-2-UPVC	334	BG-718	736	BMC-10-500N	227		
B2708M	59	BASA150-40-UPVC	329	BE33-212-ABS	342	BG106	740	BMC-1000-750N	220		
B2708MP	59	BASA150-50-UPVC	329	BE33-212-UPVC	334	BG405	740	BMC-12-250N	227		
B2710HP	59	BASA150-63-UPVC	329	BE33-3-ABS	342	BG5	736	BMC-12-375N	227		
B28X30	449	BASA150-75-UPVC	329	BE33-3-UPVC	334	BG5-PVC	736	BMC-12-500N	227		
B29X30SS	449	BASA150-90-UPVC	329	BE33-34-ABS	342	BG5002	740	BMC-125-125N	220		
B3-AU	82	BAT03	687	BE33-34-UPVC	334	BG5004	740	BMC-187-125N	220		
B3-AU-NPT	82	BAT06	687	BE33-4-ABS	342	BG5007	740	BMC-250-125N	220		

	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	BMC-250-250N	220	BN12-114-ABS	341	BNTM10/070B	436	BR-6	448	BS7WWW-316-4	234
1	BMC-250-375N	220	BN12-114-UPVC	333	BNTM10/070N	436	BR-625	224	BSB20	277
2	BMC-250-500N	220	BN12-12-ABS	341	BNTM10/070R	436	BR-8	448	BSB48	277
2	BMC-312-125N	220	BN12-12-UPVC	333	BNTM10/080	436	BR-AG32LC	448	BSB64	277
3	BMC-312-250N	220	BN12-2-ABS	341	BNTM10/080-100	436	BR-AM10	749	BSH-1	118
3	BMC-375-125N	220	BN12-2-UPVC	333	BNTM10/080B	436	BR-AM10A	749	BSH-3/4	118
4	BMC-375-250N	220	BN12-212-ABS	341	BNTM10/080B-100	436	BR-AM20	749	BSH.4.3A	651
4	BMC-375-375N	220	BN12-212-UPVC	333	BNTM10/080N	436	BR-AM20A	749	BSHA-3/4	118
5	BMC-500-250N	220	BN12-3-ABS	341	BNTM10/080N-100	436	BR-AM20UJ	749	BSIDF-13H-1	235
5	BMC-500-375N	220	BN12-3-UPVC	333	BNTM10/080R	436	BR-AM35	749	BSIDF-13H-1.5	235
6	BMC-500-500N	220	BN12-34-ABS	341	BNTM10/080R-100	436	BR-AM35A	749	BSIDF-13H-2	235
6	BMC-500-750N	220	BN12-34-UPVC	333	BNTM12/090	436	BR-AM40	749	BSIDF-13H-2.5	235
7	BMC-6-125N	227	BN12-38-UPVC	333	BNTM12/090B	436	BR-AM40UJ	749	BSIDF-13H-3	235
7	BMC-6-250N	227	BN12-4-ABS	341	BNTM12/090N	436	BR-AM60A	749	BSIDF-13H-4	235
8	BMC-625-375N	220	BN12-4-UPVC	333	BNTM12/090R	436	BR-AM75	749	BSIDF-14-1	235
8	BMC-625-500N	220	BNEUBLADE/1000	750	BNTM12/100	436	BR-AM75A	749	BSIDF-14-1.5	235
9	BMC-750-500N	220	BNEUBLADE/1200	750	BNTM12/100N	436	BR-MAGNETICBASEM	749	BSIDF-14-2	235
9	BMC-750-750N	220	BNEUBLADE/150	750	BNTM14/110	436	BR-SE150	749	BSIDF-14-2.5	235
A	BMC-8-125N	227	BNEUBLADE/300	750	BNTM14/110N	436	BR-SE300	749	BSIDF-14-3	235
B	BMC-8-250N	227	BNEUBLADE/450	750	BO6	580	BR-SE450	749	BSIDF-14-4	235
B	BMC-875-750N	220	BNEUBLADE/600	750	BOR-10KG	819	BR-SE600	749	BSIDF-15-1	235
C	BMG-20	575	BNEUBLADE/750	750	BORS1-10	467	BR-SH10/1,5	749	BSIDF-15-1.5	235
C	BMG-25	575	BNEUBLADE/80	750	BORS1-30	467	BR-SH10/2	749	BSIDF-15-2	235
D	BMG-30	575	BNEUBLADE/900	750	BORS112-10	467	BR-SH10/3	749	BSIDF-15-2.5	235
D	BMG-36	575	BN1-114	340	BORS112-30	467	BR-SH20/1,5	749	BSIDF-15-3	235
E	BN-1	201	BN1-12	340	BORS114-10	467	BR-SH20/2	749	BSIDF-15-4	235
E	BN-112	201	BNTM03/015	436	BORS114-30	467	BR-SH40/1,5	749	BSIDF-SEAL-1	235
F	BN-114	201	BNTM04/025	436	BORS2-10	467	BR-SH40/2	749	BSIDF-SEAL-1.5	235
F	BN-12	201	BNTM04/025-100	436	BORS2-30	467	BR-SH40/3	749	BSIDF-SEAL-2	235
G	BN-12X80	201	BNTM04/025B	436	BORS212-10	467	BR-SS60A	749	BSIDF-SEAL-2.5	235
G	BN-14	201	BNTM04/025G	436	BORS212-30	467	BR-SS75A	749	BSIDF-SEAL-3	235
H	BN-14X80	201	BNTM04/025N	436	BORS3-10	467	BRC12	86	BSIDF-SEAL-4	235
H	BN-18	201	BNTM04/025R	436	BORS3-30	467	BRC6	86	BSJ-IW13	125
I	BN-18X30	201	BNTM04/2	436	BORS34-10	467	BRJ12A	751	BSJ-TF06	125
I	BN-1X100	201	BNTM05/030	436	BORS34-30	467	BRJ12C	752	BSJ-TF08	125
J	BN-1X150	201	BNTM05/030-100	436	BP12B	412	BRJ12S/S	751	BSJ-TF10	125
J	BN-2	201	BNTM05/030B	436	BP16B	412	BRJ20A	751	BSL2KS-316-1	234
K	BN-212	201	BNTM05/030N	436	BP22B	412	BRJ20C	752	BSL2KS-316-1.5	234
K	BN-3	201	BNTM06/040	436	BPAM02-06-1	683	BRJ20S/S	751	BSL2KS-316-2	234
L	BN-34	201	BNTM06/040-100	436	BPAM02-06-2	683	BRJ25A	751	BSL2KS-316-2.5	234
L	BN-34X80	201	BNTM06/040-500	436	BPB0157	700	BRJ25C	752	BSL2KS-316-3	234
M	BN-38	201	BNTM06/040B	436	BPLOBP113	491	BRJ25S/S	751	BSL2KS-316-4	234
M	BN-38X80	201	BNTM06/040B-100	436	BPLOBP219	491	BRJ40A	751	BSL2S-316-1	234
N	BN-4	201	BNTM06/040B-500	436	BPLODIN9	491	BRJ40C	752	BSL2S-316-1.5	234
N	BN11-1-ABS	341	BNTM06/040G	436	BPLOWC13	491	BRJ40S/S	751	BSL2S-316-2	234
O	BN11-1-UPVC	333	BNTM06/040G-100	436	BPLOWC19	491	BRJ50A	751	BSL2S-316-2.5	234
O	BN11-112-ABS	341	BNTM06/040N	436	BPN16-110-UPVC	329	BRJ50C	752	BSL2S-316-3	234
O	BN11-112-UPVC	333	BNTM06/040N-100	436	BPN16-20-UPVC	329	BRJ50S/S	751	BSL2S-316-4	234
P	BN11-114-ABS	341	BNTM06/040R	436	BPN16-25-UPVC	329	BRJ75A	751	BSL31-316-1.5X1	234
P	BN11-114-UPVC	333	BNTM06/040R-100	436	BPN16-32-UPVC	329	BS2WCL-316-1	234	BSL31-316-1X0.5	234
Q	BN11-12-ABS	341	BNTM06/040Y	436	BPN16-40-UPVC	329	BS2WCL-316-1.5	234	BSL31-316-2.5X1	234
Q	BN11-12-UPVC	333	BNTM06/040Y-100	436	BPN16-50-UPVC	329	BS2WCL-316-2	234	BSL31-316-2.5X15	234
R	BN11-14-UPVC	333	BNTM060/030	436	BPN16-63-UPVC	329	BS2WCL-316-2.5	234	BSL31-316-2.5X2	234
R	BN11-2-ABS	341	BNTM08/060	436	BPN16-75-UPVC	329	BS2WCL-316-3	234	BSL31-316-2X1	234
S	BN11-2-UPVC	333	BNTM08/060-100	436	BPN16-90-UPVC	329	BS2WCL-316-4	234	BSL31-316-2X1.5	234
S	BN11-212-ABS	341	BNTM08/060-500	436	BPS212	491	BS7WWW-316-1	234	BSL31-316-3X1	234
S	BN11-212-UPVC	333	BNTM08/060B	436	BPU065/100B	433	BS7WWW-316-1.5	234	BSL31-316-3X1.5	234
T	BN11-3-ABS	341	BNTM08/060B-100	436	BPU080/120B	433	BS7WWW-316-2	234	BSL31-316-3X2	234
T	BN11-3-UPVC	333	BNTM08/060B-500	436	BRU100/145B	433	BS7WWW-316-2.5	234	BSL31-316-3X2.5	234
V	BN11-34-ABS	341	BNTM08/060G	436	BR-10	448	BS7WWW-316-3	234	BSL31-316-4X1.5	234
V	BN11-34-UPVC	333	BNTM08/060G-100	436	BR-1000	224	BS7WWW-316-4	234	BSL31-316-4X2	234
W	BN11-38-UPVC	333	BNTM08/060N	436	BR-125	224	BS7WWW-316-1	234	BSL31-316-4X2.5	234
X	BN11-4-ABS	341	BNTM08/060N-100	436	BR-13	448	BS7WWW-316-1.5	234	BSL31-316-4X3	234
X	BN11-4-UPVC	333	BNTM08/060R	436	BR-16	448	BS7WWW-316-12	234	BSL32-316-1.5X1	234
Y	BN12-1-ABS	341	BNTM08/060R-100	436	BR-25	448	BS7WWW-316-2	234	BSL32-316-1X0.5	234
Y	BN12-1-UPVC	333	BNTM08/060Y	436	BR-250	224	BS7WWW-316-2.5	234	BSL32-316-2.5X1	234
Z	BN12-112-ABS	341	BNTM08/060Y-100	436	BR-375	224	BS7WWW-316-3	234	BSL32-316-2.5X15	234
Z	BN12-112-UPVC	333	BNTM10/070	436	BR-500	224	BS7WWW-316-34	234	BSL32-316-2.5X2	234

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
BSL32-316-2X1	234	BU-6	228	BVD13-2-PVC	338	BWF3-3	285	<b>C</b>	
BSL32-316-2X1.5	234	BU-625	221	BVD13-212-PVC	338	BWF3-4	285	C-10	230
BSL32-316-3X1	234	BU-750	221	BVD13-3-PVC	338	BWF4-1	285	C-1000	225
BSL32-316-3X1.5	234	BU-8	228	BVD13-34-PVC	338	BWF4-112	285	C-12	230
BSL32-316-3X2	234	BUNA-1	86	BVD13-4-PVC	338	BWF4-2	285	C-125-FT	225
BSL32-316-3X2.5	234	BUNA-112	86	BVDUS-1	345	BWF4-212	285	C-14	230
BSL32-316-4X1.5	234	BUNA-114	86	BVDUS-112	345	BWF4-3	285	C-15	230
BSL32-316-4X2	234	BUNA-12	86	BVDUS-114	345	BWF4-4	285	C-16	230
BSL32-316-4X2.5	234	BUNA-2	86	BVDUS-2	345	BWF5-112-114	285	C-18	230
BSL32-316-4X3	234	BUNA-212	86	BVDUS-12	345	BWF5-12-34	285	C-187	225
BSL32-3160.75X0.5	234	BUNA-3	86	BVDUS-212	345	BWF5-2-114	285	C-20	230
BSRJT-13H-1	235	BUNA-34	86	BVDUS-3	345	BWF5-2-12	285	C-22	230
BSRJT-13H-1.5	235	BUNA-4	86	BVDUS-34	345	BWF5-212-112	285	C-25	230
BSRJT-13H-2	235	BUNA-6	86	BVI13-1-ABS	345	BWF5-212-114	285	C-250	225
BSRJT-13H-2.5	235	BUTYLFOOD-112	477	BVI13-1-PVC	338	BWF5-3-112	285	C-3	230
BSRJT-13H-3	235	BUTYLFOOD-2	477	BVI13-112-ABS	345	BWF5-3-2	285	C-312	225
BSRJT-13H-4	235	BUTYLFOOD-212	477	BVI13-112-PVC	338	BWF5-4-212	285	C-375	225
BSRJT-13HBN-1	235	BUTYLFOOD-3	477	BVI13-114-ABS	345	BWF6-112-1	285	C-4	230
BSRJT-13HBN-1.5	235	BV11-K	747	BVI13-114-PVC	338	BWF6-112-114	285	C-500	225
BSRJT-13HBN-2	235	BV12-1	598	BVI13-12-ABS	345	BWF6-112-12	285	C-6	230
BSRJT-13HBN-2.5	235	BV12-112	598	BVI13-12-PVC	338	BWF6-114-34	285	C-625	225
BSRJT-13HBN-3	235	BV12-114	598	BVI13-2-ABS	345	BWF6-2-1	285	C-750	225
BSRJT-13HBN-4	235	BV12-12	598	BVI13-2-PVC	338	BWF6-2-112	285	C-8	230
BSRJT-14-1	235	BV12-12W	598	BVI13-212-ABS	345	BWF6-2-114	285	C-875	225
BSRJT-14-1.5	235	BV12-14	598	BVI13-212-PVC	338	BWF6-212-112	285	CO01	552
BSRJT-14-2.5	235	BV12-14W	598	BVI13-3-ABS	345	BWF6-212-114	285	CO0269	553
BSRJT-14-3	235	BV12-1W	598	BVI13-3-PVC	338	BWF6-212-2	285	CO80-OKMD	671
BSRJT-14-4	235	BV12-2	598	BVI13-34-ABS	345	BWF6-3-112	285	C1-10/8-1/2	159
BSRJT-14-a2	235	BV12-212	598	BVI13-34-PVC	338	BWF6-3-114	285	C1-10/8-1/4	159
BSRJT-15-1	235	BV12-3	598	BVI13-38-PVC	338	BWF6-3-2	285	C1-10/8-1/8	159
BSRJT-15-1.5	235	BV12-34	598	BVI13-4-ABS	345	BWF6-3-212	285	C1-10/8-3/8	159
BSRJT-15-2	235	BV12-34W	598	BVI13-4-PVC	338	BWF6-34-12	285	C1-12/10-1/2	159
BSRJT-15-2.5	235	BV12-38	598	BVL13-1-PVC	338	BWF6-4-2	285	C1-12/10-3/8	159
BSRJT-15-3	235	BV12-38W	598	BVL13-112-PVC	338	BWF6-4-212	285	C1-15/12.5-1/2	159
BSRJT-15-4	235	BV12-4	598	BVL13-114-PVC	338	BWF6-4-3	285	C1-4/2.7-1/8	159
BSRJT-SEAL-1	235	BV13-1	598	BVL13-12-PVC	338	BWF7-112-1	285	C1-5/3-1/8	159
BSRJT-SEAL-1.5	235	BV13-12	598	BVL13-2-PVC	338	BWF7-112-114	285	C1-6/4-1/4	159
BSRJT-SEAL-2	235	BV13-12W	598	BVL13-34-PVC	338	BWF7-112-12	285	C1-6/4-1/8	159
BSRJT-SEAL-2.5	235	BV13-14	598	BVSU-1	340	BWF7-112-34	285	C1-6/4-3/8	159
BSRJT-SEAL-3	235	BV13-14W	598	BVSU-112	340	BWF7-2-114	285	C1-8/6-1/2	159
BSRJT-SEAL-4	235	BV13-1W	598	BVSU-114	340	BWF7-212-112	285	C1-8/6-1/4	159
BTI03	185	BV13-34	598	BVSU-34	340	BWF7-3-2	285	C1-8/6-1/8	159
BTI04	185	BV13-34W	598	BVT13-1-PVC	338	BWF7-3-212	285	C1-8/6-3/8	159
BTI05	185	BV13-38	598	BVT13-112-PVC	338	BWF7-4-212	285	C1-AU	82
BTI06	185	BV13-38W	598	BVT13-114-PVC	338	BWF7-4-3	285	C1-BR	85
BTI08	185	BV22	747	BVT13-12-PVC	338	BWF8-1	285	C1-PP	84
BTM06	185	BV22-1	747	BVT13-2-PVC	338	BWF8-112	285	C1-SS	83
BTM08	185	BV22-2	747	BVT13-34-PVC	338	BWF8-114	285	C10-10/8-M14	160
BTM10	185	BV22-4	747	BWF1-1	285	BWF8-12	285	C10-15/12.5-M20	160
BTP-927-04	646	BV22-5	747	BWF1-112	285	BWF8-4	285	C10-4/2.7-M6	160
BTP-928-04	646	BV22-6	747	BWF1-114	285	BWFFA02	247	C10-5/3-M7	160
BTP-928-08	646	BV22-K	747	BWF1-2	285	BWFFA04	247	C10-6/4-M10	160
BU-10	228	BV22D/H	747	BWF1-212	285	BWFFA06	247	C10-6/4-M8	160
BU-1000	221	BV6000-12	225	BWF1-3	285	BWFFA08	247	C10-8/6-M12	160
BU-12-FT	228	BV6000-18	225	BWF1-34	285	BWFFA12	247	C10X-10/8	160
BU-125	221	BV93-112L	599	BWF1-4	285	BWFFA16	247	C10X-12/10	160
BU-14	228	BV93-114L	599	BWF2-1	285	BWFFA20	247	C10X-6/4	160
BU-15	228	BV93-12L	599	BWF2-112	285	BWFFA24	247	C10X-8/6	160
BU-16	228	BV93-14L	599	BWF2-114	285	BWFFA32	247	C11-12/10	163
BU-18	228	BV93-1L	599	BWF2-2	285	BWFFA40	247	C11-15/12.5	163
BU-187	221	BV93-2L	599	BWF2-212	285	BWFFA48	247	C11-6/4	163
BU-20	228	BV93-34L	599	BWF2-3	285	BWFFA64	247	C11-8/6	163
BU-250	221	BV93-38L	599	BWF2-34	285	BX-10	448	C112-AU	82
BU-3-FT	228	BVBS-6	340	BWF2-4	285	BX-13	448	C112-BR	85
BU-312	221	BVD13-1-PVC	338	BWF3-1	285	BX-16	448	C112-PP	84
BU-375	221	BVD13-112-PVC	338	BWF3-112	285	BX-19	448	C112-SS	83
BU-4	228	BVD13-114-PVC	338	BWF3-114	285	BX-25	448	C114-AU	82
BU-500	221	BVD13-12-PVC	338	BWF3-2	285	BX-8	448	C114-BR	85

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	C114-PP	84	C140-3-112N	266	C145-2-114N	265	C149-12N	269	C152-14	270
1	C114-SS	83	C140-3-114N	266	C145-2-1N	265	C149-1N	269	C152-14N	270
2	C12-AU	82	C140-3-2	266	C145-212-2	265	C149-2N	269	C152-18	270
3	C12-BR	85	C140-3-212	266	C145-212-2N	265	C149-34	269	C152-18N	270
4	C12-PP	84	C140-3-212N	266	C145-3-2	265	C149-34N	269	C152-1N	270
5	C12-SS	83	C140-3-2N	266	C145-3-212	265	C150-1	270	C152-2	270
6	C133	552	C140-34-12	266	C145-3-212N	265	C150-112	270	C152-212	270
7	C134	552	C140-34-12N	266	C145-3-2N	265	C150-114	270	C152-212N	270
8	C135	552	C140-34-14	266	C145-34-12	265	C150-12N	270	C152-2N	270
9	C136	552	C140-34-14N	266	C145-34-12N	265	C150-1N	270	C152-3	270
A	C140-1-12	266	C140-34-18	266	C145-34-38	265	C150-2	270	C152-34	270
B	C140-1-12N	266	C140-34-18N	266	C145-34-38N	265	C150-212	270	C152-34-12	270
C	C140-1-14	266	C140-34-38	266	C145-38-14	265	C150-2N	270	C152-34-12N	270
D	C140-1-14N	266	C140-34-38N	266	C145-38-14N	265	C150-3	270	C152-34N	270
E	C140-1-34	266	C140-38-14	266	C146-1	268	C150-34	270	C152-38	270
F	C140-1-34N	266	C140-38-14N	266	C146-112	268	C150-38	270	C152-38N	270
G	C140-1-38	266	C140-38-18	266	C146-112N	268	C150-3N	270	C152-3N	270
H	C140-1-38N	266	C140-38-18N	266	C146-114	268	C150M-2	275	C153	552
I	C140-112-1	266	C140-4-114	266	C146-114N	268	C150M-2N	275	C154	552
J	C140-112-114	266	C140-4-1N	266	C146-12	268	C151-1	271	C155-1	272
K	C140-112-114N	266	C140-4-2	266	C146-12N	268	C151-1-12	271	C155-112	272
L	C140-112-12	266	C140-4-212	266	C146-1N	268	C151-1-12N	271	C155-112N	272
M	C140-112-12N	266	C140-4-212N	266	C146-2	268	C151-1-34	271	C155-114	272
N	C140-112-14N	266	C140-4-2N	266	C146-2N	268	C151-112	271	C155-114N	272
O	C140-112-1N	266	C140-4-3	266	C146-34	268	C151-112-1	271	C155-12	272
P	C140-112-34	266	C140-4-3N	266	C146-34N	268	C151-112-1N	271	C155-12N	272
Q	C140-112-34N	266	C144-1	265	C147-1	269	C151-112N	271	C155-1N	272
R	C140-112-38	266	C144-112	265	C147-112	269	C151-114	271	C155-2	272
S	C140-112-38N	266	C144-112N	265	C147-112N	269	C151-114-1	271	C155-212	272
T	C140-114-1	266	C144-114	265	C147-114	269	C151-114-12	271	C155-2N	272
U	C140-114-12	266	C144-114N	265	C147-114N	269	C151-114-34	271	C155-3	272
V	C140-114-14N	266	C144-12	265	C147-12	269	C151-114N	271	C155-34	272
W	C140-114-1N	266	C144-12N	265	C147-12N	269	C151-12	271	C155-34N	272
X	C140-114-34	266	C144-14	265	C147-1N	269	C151-12-14	271	C155-38	272
Y	C140-114-34N	266	C144-14N	265	C147-2	269	C151-12-14N	271	C155-3N	272
Z	C140-114-38N	266	C144-1N	265	C147-212	269	C151-12N	271	C155-4	272
	C140-12-14	266	C144-2	265	C147-212N	269	C151-14	271	C156	552
	C140-12-14N	266	C144-212	265	C147-2N	269	C151-14N	271	C156-1	272
	C140-12-18	266	C144-212N	265	C147-3	269	C151-18	271	C156-112	272
	C140-12-18N	266	C144-2N	265	C147-34	269	C151-18N	271	C156-112N	272
	C140-12-38	266	C144-3	265	C147-34N	269	C151-1N	271	C156-114	272
	C140-12-38N	266	C144-34	265	C147-3N	269	C151-2	271	C156-114N	272
	C140-14-18	266	C144-34N	265	C147-4	269	C151-2-1	271	C156-12	272
	C140-14-18N	266	C144-38	265	C147-4N	269	C151-2-112N	271	C156-12N	272
	C140-2-1	266	C144-38N	265	C148-1	269	C151-2-1N	271	C156-1N	272
	C140-2-112	266	C144-3N	265	C148-112	269	C151-212	271	C156-2	272
	C140-2-112N	266	C144-4	265	C148-112N	269	C151-212N	271	C156-212N	272
	C140-2-114	266	C144-4N	265	C148-114	269	C151-2N	271	C156-2N	272
	C140-2-114N	266	C145-1-12	265	C148-114N	269	C151-3	271	C156-3	272
	C140-2-12	266	C145-1-12N	265	C148-12	269	C151-34	271	C156-34	272
	C140-2-12N	266	C145-1-34	265	C148-12N	269	C151-34-12	271	C156-34N	272
	C140-2-1N	266	C145-1-34N	265	C148-14	269	C151-34N	271	C156-4	272
	C140-2-34	266	C145-112-1	265	C148-14N	269	C151-38	271	C156-4N	272
	C140-2-34N	266	C145-112-114	265	C148-18	269	C151-38-14N	271	C161-1	273
	C140-212-1	266	C145-112-1N	265	C148-18N	269	C151-38N	271	C161-1-112N	274
	C140-212-112	266	C145-114-1	265	C148-1N	269	C151-3N	271	C161-1-114	274
	C140-212-112N	266	C145-114-1N	265	C148-2	269	C151-4	271	C161-1-12	273
	C140-212-114	266	C145-114-34N	265	C148-2N	269	C151-4N	271	C161-1-12-1	273
	C140-212-114N	266	C145-12-14	265	C148-34	269	C152-1	270	C161-1-12-1N	273
	C140-212-12	266	C145-12-14N	265	C148-34N	269	C152-1-12	270	C161-1-12N	273
	C140-212-12N	266	C145-12-38	265	C148-38	269	C152-1-34	270	C161-1-14	273
	C140-212-1N	266	C145-12-38N	265	C148-38N	269	C152-1-34N	270	C161-1-34	273
	C140-212-2	266	C145-14-18	265	C149-1	269	C152-112	270	C161-1-34-1	273
	C140-212-2N	266	C145-14-18N	265	C149-112	269	C152-112N	270	C161-1-34-1N	273
	C140-212-34	266	C145-2-1	265	C149-112N	269	C152-114	270	C161-1-34N	273
	C140-212-34N	266	C145-2-112	265	C149-114	269	C152-114N	270	C161-1-38	273
	C140-3-1	266	C145-2-112N	265	C149-114N	269	C152-12	270	C161-112	273
	C140-3-112	266	C145-2-114	265	C149-12	269	C152-12N	270	C161-112-1	273

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	
C161-112-114N	273	C161-34	273	C177-212N	267	C185-3	269	C197-34N	274			0
C161-112-12	273	C161-34-1	274	C177-2N	267	C185-34	269	C199-1	274			1
C161-112-12-112	273	C161-34-12	273	C177-34N	267	C185-34N	269	C199-112	274			2
C161-112-12-112N	273	C161-34-12-34	273	C177-38N	267	C185-38	269	C199-112N	274			3
C161-112-12N	273	C161-34-14	273	C177-3N	267	C185-38N	269	C199-114	274			4
C161-112-1N	273	C161-34-14N	273	C177-4N	267	C185-3N	269	C199-12	274			5
C161-112-2	274	C161-34-1N	274	C179-1-12	267	C185-4	269	C199-12N	274			6
C161-112-34	273	C161-34-38	273	C179-1-12N	267	C185-4N	269	C199-1N	274			7
C161-112-34-112	273	C161-34-38N	273	C179-1-34	267	C191-1	271	C199-2	274			8
C161-112-34-112N	273	C161-34N	273	C179-1-34N	267	C191-112	271	C199-212	274			9
C161-112-34N	273	C161-38	273	C179-112-1	267	C191-114N	271	C199-212N	274			A
C161-112N	273	C161-38-14N	273	C179-112-114	267	C191-12N	271	C199-2N	274			B
C161-114	273	C161-38N	273	C179-112-114N	267	C191-1N	271	C199-3	274			C
C161-114-1	273	C161-3N	273	C179-112-1N	267	C191-2N	271	C199-34	274			D
C161-114-1-114N	273	C161-4	273	C179-112-34	267	C191-34	271	C199-34N	274			E
C161-114-12	273	C161-4-1	273	C179-112-34N	267	C191-34N	271	C199-4	274			F
C161-114-12-114	273	C161-4-112	273	C179-114-1	267	C192-1	271	C1X-10/8-1/4	159			G
C161-114-12-114N	273	C161-4-114	273	C179-114-12N	267	C192-112	271	C1X-12/10-3/8	159			H
C161-114-12N	273	C161-4-2	273	C179-114-1N	267	C192-112N	271	C1X-12/8-3/8	159			I
C161-114-1N	273	C161-4-212	273	C179-114-34	267	C192-114	271	C1X-6/4-1/4	159			J
C161-114-2N	274	C161-4-2N	273	C179-12-14	267	C192-114N	271	C1X-8/6-1/4	159			K
C161-114-34	273	C161-4N	273	C179-12-14N	267	C192-12	271	C1X-8/6-1/8	159			L
C161-114-34-114	273	C171-1	274	C179-12-38	267	C192-12N	271	C1Y-10/6.5-1/4	159			M
C161-114-34-114N	273	C171-112	274	C179-12-38N	267	C192-14	271	C1Y-10/8-1/4	159			N
C161-114N	273	C171-112N	274	C179-2-1	267	C192-14N	271	C1Y-12/10-3/8	159			O
C161-12	273	C171-114N	274	C179-2-112	267	C192-1N	271	C1Y-12/8-3/8	159			P
C161-12-14	273	C171-12	274	C179-2-112N	267	C192-2	271	C1Y-6/4-1/4	159			Q
C161-12-14N	273	C171-12N	274	C179-2-114	267	C192-212	271	C1Y-6/4-1/8	159			R
C161-12-34	274	C171-14	274	C179-2-114N	267	C192-212N	271	C1Y-8/6-1/4	159			S
C161-12-34N	274	C171-1N	274	C179-2-12	267	C192-2N	271	C1Y-8/6-1/8	159			T
C161-12-38	273	C171-2	274	C179-2-1N	267	C192-3	271	C1Z-10/8-1/2	159			U
C161-12N	273	C171-212	274	C179-2-34	267	C192-34	271	C1Z-10/8-1/4	159			V
C161-14	273	C171-212N	274	C179-2-34N	267	C192-34N	271	C1Z-10/8-1/8	159			W
C161-14N	273	C171-2N	274	C179-212-1	267	C192-38	271	C1Z-10/8-3/8	159			X
C161-18	273	C171-34	274	C179-212-112	267	C192-3N	271	C1Z-12/10-1/2	159			Y
C161-18N	273	C171-34N	274	C179-212-112N	267	C192-4	271	C1Z-12/10-3/8	159			Z
C161-1N	273	C171-38	274	C179-212-2	267	C192-4N	271	C1Z-4/2.7-1/8	159			
C161-2	273	C171-38N	274	C179-212-2N	267	C193-1	272	C1Z-4/2.7-5M	159			
C161-2-1	273	C171-3N	274	C179-3-1N	267	C193-112	272	C1Z-4/2.7-6M	159			
C161-2-1-2N	273	C176-1	266	C179-3-2	267	C193-112N	272	C1Z-5/3-1/8	159			
C161-2-112	273	C176-112	266	C179-3-212	267	C193-114	272	C1Z-5/3-5M	159			
C161-2-112-2	273	C176-112N	266	C179-3-212N	267	C193-12	272	C1Z-5/3-6M	159			
C161-2-114	273	C176-114	266	C179-3-2N	267	C193-12N	272	C1Z-6/4-1/2	159			
C161-2-114N	273	C176-114N	266	C179-34-12	267	C193-14	272	C1Z-6/4-1/4	159			
C161-2-12	273	C176-12	266	C179-34-12N	267	C193-14N	272	C1Z-6/4-1/8	159			
C161-2-12-2	273	C176-12N	266	C179-34-14	267	C193-1N	272	C1Z-6/4-3/8	159			
C161-2-1N	273	C176-14	266	C179-34-14N	267	C193-2	272	C1Z-6/4-5M	159			
C161-2-212	274	C176-14N	266	C179-34-38N	267	C193-212	272	C1Z-6/4-6M	159			
C161-2-212N	274	C176-18	266	C179-38-14	267	C193-212N	272	C1Z-8/6-1/4	159			
C161-2-34-2	273	C176-18N	266	C179-38-14N	267	C193-2N	272	C1Z-8/6-1/8	159			
C161-2-34-2N	273	C176-1N	266	C179-4-2	267	C193-3	272	C1Z-8/6-3/8	159			
C161-212	273	C176-2	266	C179-4-212	267	C193-34	272	C2-10/8-1/2	159			
C161-212-1	273	C176-212	266	C179-4-212N	267	C193-34N	272	C2-10/8-1/4	159			
C161-212-112	273	C176-212N	266	C179-4-2N	267	C193-38	272	C2-10/8-3/8	159			
C161-212-112-212	273	C176-2N	266	C179-4-3	267	C193-38N	272	C2-12/10-3/8	159			
C161-212-112212N	273	C176-3	266	C185-1	269	C193-3N	272	C2-6/4-1/4	159			
C161-212-12	273	C176-34	266	C185-112	269	C193-4	272	C2-6/4-1/8	159			
C161-212-12N	273	C176-34N	266	C185-112N	269	C193-4N	272	C2-6/4-3/8	159			
C161-212-2	273	C176-38	266	C185-114N	269	C197-1	274	C2-8/6-1/2	159			
C161-212-34	273	C176-38N	266	C185-12	269	C197-112	274	C2-8/6-1/4	159			
C161-212N	273	C176-3N	266	C185-12N	269	C197-112N	274	C2-8/6-1/8	159			
C161-3	273	C176-4	266	C185-14	269	C197-114	274	C2-8/6-3/8	159			
C161-3-1	273	C176-4N	266	C185-14N	269	C197-12	274	C2-AU	82			
C161-3-114	273	C177-112N	267	C185-1N	269	C197-12N	274	C2-BR	85			
C161-3-2	273	C177-114N	267	C185-2	269	C197-1N	274	C2-PP	84			
C161-3-2-3N	273	C177-12N	267	C185-212	269	C197-2	274	C2-SS	83			
C161-3-212N	273	C177-14N	267	C185-212N	269	C197-2N	274	C202	552			
C161-3-34N	273	C177-1N	267	C185-2N	269	C197-34	274	C203	552			

	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	C203Y	552	C262-34N	270	C3-8/6	159	C529M-4N	275	C809-325L	498
1	C204	552	C2681	499	C3-8/6-6/4	159	C530M-1	275	C820-358	499
2	C204B	552	C271-1	268	C3-AU	82	C530M-112	275	C9-10/8	162
3	C205	552	C271-112	268	C3-BR	85	C530M-114	275	C9-10/8-8/6	162
4	C206	552	C271-112N	268	C3-PP	84	C530M-114N	275	C9-12/10	162
5	C206R	552	C271-114	268	C3-SS	83	C530M-1N	275	C9-15/12.5	162
6	C208-3-100H	500	C271-12	268	C3OB	701	C530M-34N	275	C9-4/2.7	162
7	C208-3-100H-AW	500	C271-12N	268	C34-AU	82	C5F-10/8-1/4	161	C9-5/3	162
8	C208-4-65H	500	C271-14	268	C34-BR	85	C5F-10/8-3/8	161	C9-6/4	162
9	C208-4-65H-AW	500	C271-14N	268	C34-PP	84	C5F-5/3-1/8	161	C9-8/6	162
A	C208-4-65H-D	500	C271-18	268	C34-SS	83	C5F-6/4-1/4	161	C9-8/6-6/4	162
B	C212-AU	82	C271-18N	268	C4-10/8	159	C5F-6/4-1/8	161	C940040-1	532
C	C212-BR	85	C271-1N	268	C4-12/10	159	C5F-8/6-1/4	161	C940040-2	532
D	C212-SS	83	C271-2	268	C4-4/2.7	159	C5F-8/6-1/8	161	C940050-1	532
E	C213-2N	272	C271-212N	268	C4-5/3	159	C5X-10/8-1/4	161	C940050-2	532
F	C213-34	272	C271-3	268	C4-6/4	159	C5X-4/2.7-1/8	161	C940060-1	532
G	C252	552	C271-34	268	C4-6/4-5/3	159	C5X-6/4-1/4	161	C940060-2	532
H	C253	552	C271-34N	268	C4-8/6	159	C5X-6/4-1/8	161	C940070-1	532
I	C254	552	C271-38	268	C4-8/6-6/4	159	C5X-8/6-1/4	161	C940080-1	532
J	C255	552	C271-38N	268	C4-AU	82	C5X-8/6-1/8	161	C940080-2	532
K	C256	552	C271-3N	268	C4-BR	85	C5Y-10/8-1/4	161	C940100-1	532
L	C256-1	267	C271-4	268	C4-PP	84	C5Y-4/2.7-1/8	161	C940100-2	532
M	C256-112	267	C272-112	265	C4-SS	83	C5Y-6/4-1/4	161	C940120-1	532
N	C256-112N	267	C272-112N	265	C460-3-350H	500	C5Y-6/4-1/8	161	CA1	113
O	C256-114	267	C2752	496	C460-3-350H-AW	500	C5Y-6/4-M5	161	CA112	113
P	C256-114N	267	C2753	496	C460-4-270H	500	C5Y-8/6-1/4	161	CA12	113
Q	C256-12	267	C2782	496	C5-10/8-1/2	161	C5Y-8/6-1/8	161	CA150HDG	278
R	C256-12N	267	C2783	496	C5-10/8-1/4	161	C6-10/8	161	CA234	113
S	C256-14	267	C289-1	268	C5-10/8-1/8	161	C6-12/10	161	CA300HDG	278
T	C256-14N	267	C289-112	268	C5-10/8-3/8	161	C6-4/2.7	161	CA34	113
U	C256-1N	267	C289-112N	268	C5-12/10-1/2	161	C6-5/3	161	CA34Q19S/DL	113
V	C256-2	267	C289-114N	268	C5-12/10-3/8	161	C6-6/4	161	CA450HDG	278
W	C256-212	267	C289-12	268	C5-15/12.5-1/2	161	C6-8/6	161	CA600HDG	278
X	C256-212N	267	C289-12N	268	C5-4/2.7-1/8	161	C6-8/6-6/4	161	CA73-1-ABS	342
Y	C256-2N	267	C289-14N	268	C5-5/3-1/8	161	C6-AU	82	CA73-1-UPVC	335
Z	C256-3	267	C289-1N	268	C5-6/4-1/4	161	C605-100	499	CA73-112-ABS	342
	C256-34	267	C289-2	268	C5-6/4-1/8	161	C7-10/8-1/4	162	CA73-112-UPVC	335
	C256-34N	267	C289-212N	268	C5-6/4-3/8	161	C7-12/10-3/8	162	CA73-114-ABS	342
	C256-38	267	C289-2N	268	C5-8/6-1/2	161	C7-15/12.5-1/2	162	CA73-114-UPVC	335
	C256-38N	267	C289-3	268	C5-8/6-1/4	161	C7-4/2.7-1/8	162	CA73-12-ABS	342
	C256-3N	267	C289-34	268	C5-8/6-1/8	161	C7-6/4-1/4	162	CA73-12-UPVC	335
	C256-4	267	C289-34N	268	C5-8/6-3/8	161	C7-6/4-1/8	162	CA73-2-ABS	342
	C257-1	265	C289-38N	268	C515-12N	275	C7-8/6-1/4	162	CA73-2-UPVC	335
	C257-112	265	C290-112	268	C515-38	275	C7-8/6-1/8	162	CA73-2-ABS	342
	C257-112N	265	C290-114	268	C515-38N	275	C705-100	498	CA73-212-UPVC	335
	C257-114	265	C290-114N	268	C515-M10	275	C705-200	498	CA73-3-ABS	342
	C257-114N	265	C290-1N	268	C515-M10N	275	C7X-10/8-1/4	162	CA73-3-UPVC	335
	C257-12	265	C290-2	268	C515-M12	275	C7X-6/4-1/4	162	CA73-3-ABS	342
	C257-12N	265	C290-34N	268	C515-M12N	275	C7X-6/4-1/8	162	CA73-34-UPVC	335
	C257-1N	265	C2X-10/8-1/2	160	C529M-1	275	C7X-8/6-1/4	162	CA73-4-ABS	342
	C257-2	265	C2X-10/8-3/8	160	C529M-112	275	C7X-8/6-1/8	162	CA73-4-UPVC	335
	C257-212	265	C2X-12/10-3/8	160	C529M-112N	275	C7Y-6/4-1/8	162	CA73-5-UPVC	335
	C257-2N	265	C2X-6/4-1/4	160	C529M-114	275	C7Y-8/6-1/4	162	CA73-6-UPVC	335
	C257-3	265	C2X-6/4-1/8	160	C529M-114N	275	C7Y-8/6-1/8	162	CA73-8-UPVC	335
	C257-34	265	C2X-6/4-3/8	160	C529M-12	275	C8-10/8-1/4	162	CA750HDG	278
	C257-34N	265	C2X-8/6-1/2	160	C529M-12N	275	C8-6/4-1/4	162	CABLESAW	332
	C261-1	271	C2X-8/6-1/4	160	C529M-1N	275	C8-6/4-1/8	162	CAP04NP	136
	C261-12	271	C2X-8/6-1/8	160	C529M-2	275	C8-8/6-1/4	162	CAP06NP	136
	C261-12N	271	C2X-8/6-3/8	160	C529M-212	275	C8-8/6-1/8	162	CAP08NP	136
	C261-1N	271	C3-10/8	159	C529M-212N	275	C808-350L	501	CAP16NP	136
	C261-34	271	C3-10/8-8/6	159	C529M-2N	275	C808-350M	501	CAS050MS	516
	C261-34N	271	C3-12/10	159	C529M-3	275	C808-450L	501	CAS050SS	516
	C262-1	270	C3-15/12.5	159	C529M-34	275	C808-450M	501	CAS075MS	516
	C262-12	270	C3-4/2.7	159	C529M-34N	275	C808-466L	498	CAS075SS	516
	C262-12N	270	C3-5/3	159	C529M-38	275	C808-OKDD	671	CAS100MS	516
	C262-1N	270	C3-6/4	159	C529M-38N	275	C808-WELD-OA	499	CAS100SS	516
	C262-34	270	C3-6/4-5/3	159	C529M-3N	275	C808-WELD-OP	499	CAS120MS	516
					C529M-4	275	C808MODK	669	CAS120SS	516

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
CAS150MS	516	CDE	776	CH4532	447	CI05/04	152	CILP34	113
CAS150SS	516	CDH001	579	CH4535	447	CI05/06	152	CILS03	156
CAS175SS	516	CDH002	579	CH4538	447	CI05/08	152	CILS04	156
CAS200MS	516	CDH004	579	CH4541	447	CI06/02	152	CILS05	156
CAS200SS	516	CDH005	579	CH4545	447	CI06/04	152	CILS06	156
CAS225MS	516	CDH006	579	CH4548	447	CI06/06	152	CILS08	156
CAS225SS	516	CDL	580	CH4551	447	CI06/08	152	CILS12	156
CAS250MS	516	CDM	580	CH4554	447	CI08/04	152	CIMB08/04	158
CAS250SS	516	CDN	580	CH4557	447	CI08/06	152	CIMFB04/03	153
CAS275MS	516	CDO	580	CH4560	447	CI08/08	152	CIMFB05/04	153
CAS275SS	516	CDQ1500	574	CH4563	447	CI08/12	152	CIMFB06/04	153
CAS300MS	516	CDQ1600	574	CH4570	447	CI10/06	152	CIMFB06/05	153
CAS300SS	516	CDQ1900	574	CH4576	447	CI10/08	152	CIMFB08/05	153
CAS330MS	516	CDQ2100	574	CH6.19	656	CI12/08	152	CIMFB08/06	153
CAS330SS	516	CDQC-14	578	CH6.25	656	CI12/12	152	CINC04	153
CAS355MS	516	CDQP001-14	578	CH90102	447	CIA03/02	153	CINC06	153
CAS355SS	516	CDOP045-14	578	CH9013	447	CIA04/02	153	CINC08	153
CAS380MS	516	CF14BE	844	CH9016	447	CIA05/04	153	CINF03/02	153
CAS380SS	516	CFD216	844	CH9019	447	CIA05/06	153	CINF05/04	153
CAS405MS	516	CFFRT-15-15-12	183	CH9022	447	CIA06/04	153	CINF06/06	153
CAS405SS	516	CFFRT-22-22-12	183	CH9025	447	CIA06/06	153	CINF08/06	153
CAS455MS	516	CFFRT-22-22-34	183	CH9028	447	CIA08/04	153	CINF08/08	153
CAS455SS	516	CFM360411E	398	CH9032	447	CIA08/08	153	CIPO3/02	152
CAS505MS	516	CFM3604M5E	398	CH9035	447	CIBH03	154	CIPO4	151
CAS505SS	516	CFM360611E	398	CH9038	447	CIBH04	154	CIPO4/02	152
CAS555MS	516	CFM360612E	398	CH9041	447	CIBH05	154	CIPO4/04	152
CAS555SS	516	CFM360812E	398	CH9045	447	CIBH06	154	CIPO5	151
CAS605MS	516	CFRT-15-15-22	183	CH9048	447	CIBH08	154	CIPO6	151
CAS605SS	516	CFRT-22-15-15	183	CH9051	447	CIBL08	155	CIPO6/04	152
CAS710MS	516	CFRT-22-15-22	183	CH9054	447	CIBT03	156	CIPO6/06	152
CAS710SS	516	CFRT-22-22-15	183	CH9057	447	CIBT04	156	CIPO6/08	152
CAS810MS	516	CFRT-22-22-28	183	CH9060	447	CIBT05	156	CIPO8	151
CAS810SS	516	CFRT-28-15-28	183	CH9063	447	CICMB03/02	158	CIPO8/06	152
CAS910MS	516	CFRT-28-22-22	183	CH9070	447	CIF03/02	152	CIS03	154
CAS910SS	516	CFRT-28-28-15	183	CH9076	447	CIF03/04	152	CIS04	154
CAS965MS	516	CFRT-28-28-22	183	CH9089	447	CIF04/02	152	CIS05	154
CAS965SS	516	CFRT-35-35-15	183	CHAIN	93	CIF04/04	152	CIS06	154
CCRHA-1320SS	501	CFRT-35-35-22	183	CHEMC-1000	332	CIF05/04	152	CIS08	154
CCRHA-1330SS	501	CFRT-35-35-28	183	CHS102	447	CIF06/04	152	CIS12	154
CCRHA-1920SS	501	CFRT-42-42-35	183	CHS11	447	CIF06/06	152	CISPO2/03	158
CCRHA-1930SS	501	CG4	749	CHS13	447	CIF08/06	152	CISPO4/04	158
CCRHA-2520SS	501	CG63-100B	638	CHS16	447	CIF08/08	152	CISPO4/05	158
CD-100MS	518	CG63-250B	638	CHS19	447	CIF10/06	152	CISPH03/03	158
CD-100SS	518	CG63-400B	638	CHS22	447	CIF10/08	152	CISPH04/04	158
CD-2501	569	CG63-600B	638	CHS25	447	CIL03	155	CISPH05/05	158
CD-2502	569	CGS-1	86	CHS28	447	CIL04	155	CISPH06/06	158
CD-0G01	654	CGS-114-212	86	CHS32	447	CIL05	155	CISPH08/08	158
CD-0G01-1	657	CGS-12-34	86	CHS35	447	CIL06	155	CISPN03/03	158
CDAX	579	CGS-3-4	86	CHS38	447	CIL08	155	CISPN04/04	158
CDAZ	580	CH-13/19-75	472	CHS41	447	CIL10	155	CISPN05/05	158
CDBB-20	575	CH-19/25-75	472	CHS45	447	CILF04/02	155	CISPN06/06	158
CDBB-25	575	CH-25/34-75	472	CHS48	447	CILF06/06	155	CIT03	156
CDBB-30	575	CH13513	447	CHS51	447	CILF08/04	155	CIT04	156
CDBB-36	575	CH13522	447	CHS54	447	CILF08/06	155	CIT05	156
CDBJ-20	575	CH13535	447	CHS57	447	CILF08/08	155	CIT06	156
CDBJ-25	575	CH13538	447	CHS60	447	CILM03/02	155	CIT08	156
CDBJ-30	575	CH13541	447	CHS63	447	CILM03/04	155	CIT10	156
CDBJ-36	575	CH13551	447	CHS70	447	CILM04/02	155	CIT12	156
CDBL-15	575	CH13554	447	CHS76	447	CILM04/04	155	CITM03/02	156
CDBU-42	575	CH13557	447	CHS8	447	CILM05/02	155	CITM04/02	156
CDBU-47	575	CH4.19	656	CHS89	447	CILM05/04	155	CITM06/04	156
CDBU-50	575	CH4.25	656	CHS95	447	CILM05/06	155	CITM10/08	156
CDBV-42	575	CH4513	447	CI02/02	152	CILM06/04	155	CITR06/04	156
CDBV-47	575	CH4516	447	CI03/02	152	CILM06/06	155	CITRS04	157
CDBV-50	575	CH4519	447	CI03/04	152	CILM08/06	155	CITRS06	157
CDC-14F-14M-B	579	CH4522	447	CI04/02	152	CILM08/08	155	CITRS08	157
CDC-14M-14M-B	579	CH4525	447	CI04/04	152	CILM12/12	155	CITS03	157
CDE	580	CH4528	447	CI05/02	152	CILP12	113	CITS04	157

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	CITS05	157	CMF04/02	152	CMMFB12/06	153	CMT06	156	CP7110 KIT	721
1	CITS06	157	CMF05/02	152	CMMFB12/08	153	CMT08	156	CP734H	718
	CIUSL04	156	CMF05/04	152	CMMFB12/10	153	CMT10	156	CP7727	721
2	CIUSL05	156	CMF06/02	152	CMMFB16/08	153	CMT12	156	CP772H	718
	CIUSL06	156	CMF06/04	152	CMMFB16/12	153	CMT15	156	CP7731	718
3	CIUSL08	156	CMF08/02	152	CMNC04	153	CMT16	156	CP7732	718
	CIUST04	157	CMF08/04	152	CMNC05	153	CMTM04/02	156	CP7737	721
4	CIUST05	157	CMF08/06	152	CMNC06	153	CMTM06/02	156	CP7748	718
	CIUST06	157	CMF10/04	152	CMNC08	153	CMTM08/04	156	CP7782-6	718
5	CIX06	157	CMF10/06	152	CMNF04/02	153	CMTM10/04	156	CP78	113
	CIY06	157	CMF12/06	152	CMNF05/02	153	CMTR06/02	156	CP8528 PACK	721
6	CIY08	157	CMF12/08	152	CMNF06/02	153	CMTR12/06	156	CP870	720
	CL15-10	127	CMF16/08	152	CMNF06/04	153	CMTRS05	157	CP874	720
7	CL15-13	127	CMH08/08	129	CMNF08/04	153	CMTRS06	157	CP879	719
	CM-SC-15S	305	CMH12/12	129	CMNF10/04	153	CMTRS10	157	CP8818 PACK	721
8	CM04/02	152	CMH16/16	129	CMNF12/06	153	CMTRS12	157	CP8828 PACK	721
	CM04/04	152	CMH20/20	129	CMNF12/08	153	CMTS06	157	CP8848 PACK	721
9	CM05/02	152	CMH24/24	129	CMP04	151	CMTS08	157	CP886H	719
A	CM05/04	152	CMH32/32	129	CMP04/02	152	CMTS10	157	CP887	719
	CM06/02	152	CMH40/40	129	CMP04/04	152	CMTS12	157	CP9104Q	720
B	CM06/04	152	CMH48/48	129	CMP05	151	CMTS16	157	CP9105QB	720
	CM06/06	152	CMH64/64	129	CMP05/02	152	CMX06	157	CP9106QB	720
C	CM0715S	303	CML04	155	CMP05/04	152	CMX10	157	CP9120CR	720
	CM0722S	303	CML05	155	CMP06	151	CMX12	157	CP9121AR	720
D	CM0728S	303	CML06	155	CMP06/02	152	CMY04	157	CP9285	719
	CM08/02	152	CML08	155	CMP06/04	152	CNS-1	95	CP9779	720
E	CM08/04	152	CML10	155	CMP06/06	152	CNS-112	95	CP9789	719
	CM08/06	152	CML12	155	CMP08	151	CNS-114	95	CP9790	719
F	CM08/08	152	CML16	155	CMP08/02	152	CNS-12	95	CP9882	719
	CM10/02	152	CMLF06/04	155	CMP08/04	152	CNS-2	95	CP9883	719
G	CM10/04	152	CMLF08/04	155	CMP08/06	152	CNS-212	95	CPN-1	201
	CM10/06	152	CMLF10/04	155	CMP08/08	152	CNS-3	95	CPN-112	201
H	CM10/08	152	CMLF10/06	155	CMP10	151	CNS-34	95	CPN-114	201
	CM12/04	152	CMLM04/02	155	CMP10/04	152	CNS-4	95	CPN-12	201
I	CM12/06	152	CMLM04/04	155	CMP10/06	152	CNS-5	95	CPN-14	201
	CM12/08	152	CMLM05/02	155	CMP10/08	152	CNS-6	95	CPN-2	201
J	CM12/12	152	CMLM05/04	155	CMP12	151	CO-C2-BR	86	CPN-212	201
	CM15/08	152	CMLM06/02	155	CMP12/06	152	CO-C3-BR	86	CPN-34	201
K	CM16/06	152	CMLM06/04	155	CMP12/08	152	CO-C4-BR	86	CPN-38	201
	CM16/08	152	CMLM06/06	155	CMP16/06	152	CO-E2-BR	86	CR1	167
L	CM16/12	152	CMLM08/02	155	CMP16/08	152	CO-E3-BR	86	CR12	167
	CM1815B	306	CMLM08/04	155	CMP22	151	CO-E4-BR	86	CR14	167
M	CM1815R	306	CMLM08/06	155	CMS04	154	CO1A03	729	CR18	167
	CM22/08	152	CMLM08/08	155	CMS05	154	CO1B03	729	CR316	167
N	CM22/12	152	CMLM10/04	155	CMS06	154	CO2E03	729	CR33-1-ABS	342
	CMA05/02	153	CMLM10/06	155	CMS08	154	CO2F03	729	CR33-1-UPVC	335
O	CMA05/04	153	CMLM10/08	155	CMS10	154	CO2H03	729	CR33-112-UPVC	335
	CMA06/02	153	CMLM12/04	155	CMS12	154	CO2J03	729	CR33-114-ABS	342
P	CMA06/04	153	CMLM12/06	155	CMS16	154	CO3A03	729	CR33-114-UPVC	335
Q	CMA08/04	153	CMLM12/08	155	CMS18	154	CO3B03	729	CR33-12-ABS	342
	CMA08/06	153	CMLM16/06	155	CMS22	154	CO8E72	729	CR33-12-UPVC	335
R	CMA12/08	153	CMLM16/08	155	CMSP02/08	158	COF-10	446	CR33-2-ABS	342
	CMBH04	154	CMLM16/12	155	CMSP04/06	158	COF-12	446	CR33-2-UPVC	335
S	CMBH05	154	CMLS06	156	CMSP04/08	158	COF-3.2	446	CR33-212-UPVC	335
	CMBH06	154	CMLS08	156	CMSP04/10	158	COF-3.5	446	CR33-34-ABS	342
T	CMBH08	154	CMLS10	156	CMSP06/10	158	COF-4.0	446	CR33-34-UPVC	335
	CMBH10	154	CMLS12	156	CMSP06/12	158	COF-4.5	446	CR34	167
U	CMBH12	154	CMLS16	156	CMSP08/12	158	COF-5.0	446	CR38	167
	CMBH16	154	CMMB08/05	158	CMSPH04/03	158	COF-5.5	446	CR516	167
V	CMBL06	155	CMMB12/08	158	CMSPH05/03	158	COF-6.0	446	CRH-1	446
	CMBL10	155	CMMB16/10	158	CMSPH06/04	158	COF-7.0	446	CRH-112	446
W	CMBL12	155	CMMF05/04	153	CMSPH08/04	158	COF-7.5	446	CRH-114	446
	CMBT04	156	CMMF06/04	153	CMSPH12/06	158	COF-8.0	446	CRH-118	446
X	CMBT06	156	CMMF06/05	153	CMSPH16/08	158	COF-9.0	446	CRH-134	446
	CMBT08	156	CMMF08/04	153	CMSPN06/06	158	COMP.12KITH	701	CRH-138	446
Y	CMBT10	156	CMMF08/06	153	CMSPN12/12	158	CP112	113	CRH-2	446
	CMBT12	156	CMMF08/06	153	CMT04	156	CP218	113	CRH-78	446
Z	CMCMB04/02	158	CMMF08/06	153	CMT05	156	CP234	113	CRHA-1320	501



Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
CRHA-1920	501	CT160X4.8BLK-100	842	CUPVC/TUBE5018	330	CWBBLACK05-50-R2	568	D114-PP	84
CRHA-1930	501	CT160X4.8NAT-100	842	CUPVC/TUBE5024	330	CWBBLACK06-1-R1	568	D114-PP-NPT	84
CRHA-2520	501	CT200X2.5BLK-100	842	CUPVC/TUBE5037	330	CWBBLACK06-1-R2	568	D114-SS	83
CRHA-920	501	CT200X2.5NAT-100	842	CUPVC/TUBE6318	330	CWBBLACK06-25-R1	568	D114-SS-NPT	83
CRHA-930	501	CT200X3.6BLK-100	842	CUPVC/TUBE6330	330	CWBBLACK06-25-R2	568	D11X-1/2	163
CRWM-1320	501	CT200X3.6NAT-100	842	CUPVC/TUBE6347	330	CWBBLACK06-50-R1	568	D11X-1/4	163
CRWM-1340	501	CT200X4.8BLK-100	842	CV100-1	600	CWBBLACK06-50-R2	568	D11X-1/8	163
CRWM-1920	501	CT200X4.8NAT-100	842	CV100-112	600	CWBBLUE04-1-R1	568	D11X-3/4	163
CRWM-1920SS	501	CT300X3.6BLK-100	842	CV100-114	600	CWBBLUE04-1-R2	568	D11X-3/8	163
CRWM-1940	501	CT300X3.6NAT-100	842	CV100-12	600	CWBBLUE04-25-R1	568	D11X-5M	163
CRWM-2520	501	CT300X4.8BLK-100	842	CV100-2	600	CWBBLUE04-25-R2	568	D11X-6M	163
CRWM-2520SS	501	CT300X4.8NAT-100	842	CV100-212	600	CWBBLUE04-50-R1	568	D11Z-1/4	163
CRWM-2530	501	CT300X7.6BLK-100	842	CV100-3	600	CWBBLUE04-50-R2	568	D12-AU	82
CS-720-AR-2	633	CT300X7.6NAT-100	842	CV100-34	600	CWBBLUE05-1-R1	568	D12-AU-NPT	82
CS-720W-01	633	CT370X4.8BLK-100	842	CV100-38	600	CWBBLUE05-1-R2	568	D12-BR	85
CS-720W-02	633	CT370X4.8NAT-100	842	CV100-4	600	CWBBLUE05-25-R1	568	D12-BR-NPT	85
CS-720W-03	633	CT370X7.6BLK-100	842	CV105-1	600	CWBBLUE05-25-R2	568	D12-PP	84
CS-720W-04	633	CT370X7.6NAT-100	842	CV105-112	600	CWBBLUE05-50-R1	568	D12-SS	83
CS-S95-01	633	CT402839	844	CV105-114	600	CWBBLUE05-50-R2	568	D12-SS-NPT	83
CS-S95-02	633	CT540X7.8BLK-100	842	CV105-12	600	CWBBLUE06-1-R1	568	D12/34-PP-NPT	84
CS-S95-03	633	CT540X7.8NAT-100	842	CV105-212	600	CWBBLUE06-1-R2	568	D12096	590
CS-S95-04	633	CT750X7.8BLK-100	842	CV105-3	600	CWBBLUE06-25-R1	568	D13-1/2	163
CS15CP-S	534	CT750X7.8NAT-100	842	CV105-34	600	CWBBLUE06-25-R2	568	D13-1/4	163
CS215CP-S	534	CTBUDGET48BK	812	CV105-38	600	CWBBLUE06-50-R1	568	D2-AU	82
CS22CP-S	534	CTBUDGET48S	812	CV105-4	600	CWBBLUE06-50-R2	568	D2-AU-NPT	82
CSB1	275	CTBUDGET48W	812	CV130-1	600	CX06	426	D2-BR	85
CSB112	275	CTC1	452	CV130-112	600	CX06N	426	D2-BR-NPT	85
CSB112N	275	CTC108-130	525	CV130-114	600	CX06R	426	D2-PP	84
CSB114	275	CTC121-143	525	CV130-12	600	CX08	426	D2-PP-NPT	84
CSB12	275	CTC133-155	525	CV130-2	600	CX08N	426	D2-SS	83
CSB12N	275	CTC146-168	525	CV130-212	600	CX08R	426	D2-SS-NPT	83
CSB14	275	CTC159-181	525	CV130-3	600	CX10	426	D200-PE	618
CSB14N	275	CTC172-193	525	CV130-34	600	CX10N	426	D200LB-01	618
CSB1N	275	CTC184-206	525	CV130-38	600	CX10R	426	D200LB-02	618
CSB2	275	CTC197-219	525	CV130-4	600	CX12	426	D200LB-03	618
CSB212N	275	CTC2	452	CVD13-1-ABS	345	CX12N	426	D212-AU	82
CSB2N	275	CTC210-232	525	CVD13-1-PVC	338	CX12R	426	D212-AU-NPT	82
CSB3	275	CTC25-45	525	CVD13-112-ABS	345	<b>D</b>		D212-BR	85
CSB34	275	CTC32-54	525	CVD13-112-PVC	338	D1-AU	82	D212-BR-NPT	85
CSB34N	275	CTC45-67	525	CVD13-114-ABS	345	D1-AU-NPT	82	D212-SS	83
CSB38	275	CTC57-79	525	CVD13-114-PVC	338	D1-BR	85	D212-SS-NPT	83
CSB3N	275	CTC70-92	525	CVD13-12-ABS	345	D1-BR-NPT	85	D3-AU	82
CSB4	275	CTC83-105	525	CVD13-12-PVC	338	D1-PP	84	D3-AU-NPT	82
CSB4N	275	CTC95-117	525	CVD13-2-ABS	345	D1-PP-NPT	84	D3-BR	85
CSWC112	113	CTMAGUT48BK	812	CVD13-2-PVC	338	D1-SS	83	D3-BR-NPT	85
CSWC2	113	CTMAGUT48W	812	CVD13-34-ABS	345	D1-SS-NPT	83	D3-PP	84
CT-12-2	332	CTMAGUT50R	812	CVD13-34-PVC	338	D11-1	163	D3-PP-NPT	84
CT0302014-2	540	CTMAGUT50S.BLUE	812	CW1	167	D11-1/2	163	D3-SS	83
CT0302021-4	540	CTMAGUT50Y	812	CW100	498	D11-1/4	163	D3-SS-NPT	83
CT0302022-2	540	CTR1	452	CW112	167	D11-1/8	163	D34-AU	82
CT0302023-0	540	CTWA-1315SSH	499	CW114	167	D11-11/2	163	D34-AU-NPT	82
CT0302025-7	540	CUPVC/TUBE-11022	330	CW12	167	D11-2	163	D34-BR	85
CT0302026-5	540	CUPVC/TUBE-11053	330	CW14	167	D11-3/4	163	D34-BR-NPT	85
CT0302027-3	540	CUPVC/TUBE-12525	330	CW18	167	D11-3/8	163	D34-PP	84
CT0302028-1	540	CUPVC/TUBE-14028	330	CW2	167	D11-5M	163	D34-PP-NPT	84
CT0302029-0	540	CUPVC/TUBE-16032	330	CW34	167	D11021	590	D34-SS	83
CT0302030-2	540	CUPVC/TUBE-16047	330	CW38	167	D112-AU	82	D34-SS-NPT	83
CT0302031-0	540	CUPVC/TUBE-7518	330	CWBBLACK04-1-R1	568	D112-AU-NPT	82	D3A211	590
CT0302033-7	540	CUPVC/TUBE-7536	330	CWBBLACK04-1-R2	568	D112-BR	85	D3A255	590
CT0302034-5	540	CUPVC/TUBE-9018	330	CWBBLACK04-25-R1	568	D112-BR-NPT	85	D3B911	590
CT0302036-1	540	CUPVC/TUBE-9043	330	CWBBLACK04-25-R2	568	D112-PP	84	D3B955	590
CT0302042-5	540	CUPVC/TUBE2015	330	CWBBLACK04-50-R1	568	D112-PP-NPT	84	D4-AU	82
CT0302043-3	540	CUPVC/TUBE2515	330	CWBBLACK04-50-R2	568	D112-SS	83	D4-AU-NPT	82
CT0302044-1	540	CUPVC/TUBE2519	330	CWBBLACK05-1-R1	568	D112-SS-NPT	83	D4-BR	85
CT100X2.5BLK-100	842	CUPVC/TUBE3218	330	CWBBLACK05-1-R2	568	D114-AU	82	D4-BR-NPT	85
CT100X2.5NAT-100	842	CUPVC/TUBE3224	330	CWBBLACK05-25-R1	568	D114-AU-NPT	82	D4-PP-NPT	84
CT140X3.6BLK-100	842	CUPVC/TUBE4020	330	CWBBLACK05-25-R2	568	D114-BR	85	D4-SS	83
CT140X3.6NAT-100	842	CUPVC/TUBE4030	330	CWBBLACK05-50-R1	568	D114-BR-NPT	85	D4-SS-NPT	83

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	D400-PE	618	D980250	530	DC2-PP	84	DFR400-06	615	DIRMOLMLINT025	323
1	D400LB-03	618	D980280	530	DC2-SS	83	DFR400-06D	615	DIRPIEGTMLS1625	323
2	D400LB-04	618	D980300	530	DC200JK	618	DFR600-06	615	DIRPMUAL120	321
3	D400LB-06	618	D980320	530	DC201-01	616	DFR600-08	615	DIRPMUAL200	321
4	D5-10/8-1/2	163	D980340	530	DC201-02	616	DFR600-08D	615	DIRRULLUNI	320
5	D5-10/8-1/4	163	D980380	530	DC201-02D	616	DG-10	736	DIRSBVUNI	322
6	D5-10/8-3/8	163	D980400	530	DC201-03D	616	DG-10-EC	738	DIRSM016050	322
7	D5-12/10-1/2	163	D980440	530	DC201JK	618	DG-10-EK	738	DIRSM063110	322
8	D5-12/10-3/8	163	D980480	530	DC212-AU	82	DG200-01	618	DIRSPE020032	322
9	D5-15/12.5-1/2	163	D980500	530	DC212-BR	85	DG200-02	618	DIRSPE040063	322
A	D5-4/2.7-1/8	163	D980520	530	DC3-AU	82	DG200-03	618	DIRVSP028	321
B	D5-4/2.7-5M	163	D980550	530	DC3-BR	85	DG400-03	618	DISPKS1	522
C	D5-4/2.7-6M	163	D980560	530	DC3-PP	84	DG400-04	618	DISPKS2	522
D	D5-5/3-5M	163	D980570	530	DC3-SS	83	DG400-06	618	DISPKZ1	522
E	D5-6/4-1/4	163	D980600	530	DC34-AU	82	DG600-06	618	DISPKZ2	522
F	D5-6/4-1/8	163	D980660	530	DC34-PP	84	DG600-08	618	DKBT	114
G	D5-6/4-3/8	163	D980700	530	DC34-SS	83	DGI10	118	DKO-KA-DN06	567
H	D5-6/4-5M	163	D980800	530	DC4-AU	82	DGI12	118	DKO-KA-DN08	567
I	D5-8/6-1/2	163	D981000	530	DC4-SS	83	DGI15	118	DKO-KA-DN10	567
J	D5-8/6-1/4	163	D981100	530	DC400JK	618	DGI20	118	DKO-KA-DN12	567
K	D5-8/6-1/8	163	DAC1A03	728	DC401-04CB	616	DGI34	118	DL100-01	617
L	D5-8/6-3/8	163	DAC1A06	728	DC401JK	618	DHG2BG	521	DL100-M5	617
M	D5-BR-NPT	85	DAC1C08	728	DC6-AU	82	DHT3BG	521	DL200-01	617
N	D5A211	590	DAC403	729	DC6-BR	85	DIAPHRAGMW3	665	DL200-02	617
O	D5A277	590	DAC404	728	DC600JK	618	DIK10-25ST	118	DL200-03	617
P	D5B911	590	DAC405	728	DC601-06	616	DIK12-13MS	118	DL400-03	617
Q	D5B966	590	DAC406	728	DC601-08	616	DIK12-13ST	118	DL400-04	617
R	D5C277	590	DAC4061	728	DC601-08D	616	DIK15-38MS	118	DM100	657
S	D5D311	590	DAC436	728	DC601JK	618	DIK15-38ST	118	DM100/A	776
T	D6-10/8-1/2	163	DAK10-25MS	118	DCH-3/4-15SAFETY	456	DIK34-19MS	118	DM100/B	776
U	D6-10/8-1/8	163	DAK10-25ST	118	DDA1	291	DIK34-19ST	118	DM100/C	776
V	D6-15/12.5-1/2	163	DAK12-13MS	118	DDA2	291	DIRAPFRLAL048048	321	DM100/D	776
W	D6-4/2.7-1/8	163	DAK12-13ST	118	DDA3	291	DIRAPLAL048048	321	DM13/3	146
X	D6-5/3-5M	163	DAK15-38ST	118	DDA4	291	DIRAPLAL068068	321	DM13/4	146
Y	D6-8/8-1/2	163	DAK34-19MS	118	DDA5	291	DIRAPMAL048048	321	DM13/5	146
Z	D6-8/8-1/4	163	DAK34-19ST	118	DDA6	291	DIRCALML016025	323	DM13/6	146
	D6-8/8-1/8	163	DAPGO45FAL020048	321	DDRH19X-50	474	DIRDERFF025048	314	DN05/05	131
	D6-8/8-3/8	163	DAPGO45FAL025048	321	DDRH25X-50	474	DIRDERFF032048	314	DN05/10	131
	D6-AU	82	DAPGO45FAL025068	321	DEBURR	301	DIRDERFF040048	314	DN10/10	131
	D6-AU-NPT	82	DAR4	754	DF100-01	617	DIRDERFF040068	314	DN10/10K	131
	D6-BR-NPT	85	DASS-RTDH-1-10	653	DF100-M5	617	DIRDERFF050048	314	DN10/13	131
	D600-PE	618	DASS-RTDH-1-12	653	DF200-01	617	DIRDERFF050068	314	DN10/13K	131
	D600LB-06	618	DASS-RTDH-1-15	653	DF200-02	617	DIRDERFF063048	314	DN10/17	131
	D600LB-08	618	DASS-RTDH-1-3	653	DF200-02D	617	DIRDERFF063068	314	DN10/17K	131
	D7-1/2	163	DASS-RTDH-1-4	653	DF200-03D	617	DIRDERFF063088	314	DN10/21K	131
	D7-1/4	163	DASS-RTDH-1-5	653	DF2911	591	DIRDERFF080048	314	DN13/10	131
	D7-1/8	163	DASS-RTDH-1-6	653	DF400-03D	617	DIRDERFF080068	314	DN13/13	131
	D7-3/8	163	DASS-RTDH-1-8	653	DF400-04	617	DIRDERFF080088	314	DN13/13K	131
	D7-5M-L	163	DB2911	591	DF400-04D	617	DIRDERFF110068	314	DN13/17	131
	D7-6M	163	DBC GGG	591	DF400-06	617	DIRDERFF110088	314	DN13/17K	131
	D7-M12X1.5	163	DBD311	591	DF400-06D	617	DIRDL168DIN	320	DN13/21	131
	D8-1/2	163	DC1-AU	82	DF600-06	617	DIRFC110DIN	318	DN13/21K	131
	D8-1/4	163	DC1-BR	85	DF600-08	617	DIRFEM8016CF	322	DN17/13	131
	D8-1/8	163	DC1-PP	84	DF600-08D	617	DIRFEM8020CF	322	DN17/17	131
	D8-3/8	163	DC1-SS	83	DFC666	591	DIRFEM8025CF	322	DN17/17K	131
	D980050	530	DC101-01	616	DFCGGG	591	DIRFEM8032CF	322	DN17/21	131
	D980060	530	DC101-M5	616	DFDR200JK	618	DIRFEM8040CF	322	DN17/21K	131
	D980080	530	DC112-AU	82	DFDR400JK	618	DIRFEM8050CF	322	DN21/13	131
	D980090	530	DC112-BR	85	DFDR600JK	618	DIRFEM8063CF	322	DN21/17	131
	D980100	530	DC112-PP	84	DFR100-01	615	DIRFEM8080CF	322	DN21/21	131
	D980120	530	DC112-SS	83	DFR100-M5	615	DIRFEM8110CF	322	DN21/21K	131
	D980130	530	DC114-AU	82	DFR200-01	615	DIRLUB0750	323	DN21/26	131
	D980140	530	DC114-PP	84	DFR200-02	615	DIRLUBGEL0950	323	DN21/26K	131
	D980160	530	DC114-SS	83	DFR200-02D	615	DIRMOLMLEST016	323	DN26/21	131
	D980180	530	DC12-AU	82	DFR200-03D	615	DIRMOLMLEST020	323	DN26/26	131
	D980200	530	DC12-BR	85	DFR400-03D	615	DIRMOLMLEST025	323	DN26/26K	131
	D980210	530	DC2-AU	82	DFR400-04	615	DIRMOLMLINT016	323	DN26/33	131
	D980220	530	DC2-BR	85	DFR400-04D	615	DIRMOLMLINT020	323	DN26/33K	131

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	
DN33/33	131	DRP07	673	DUFV-75-UPVC	330	E34-PP	84	EE-45-225-UPVC	326			0
DN33/33K	131	DRTDH-1-10	653	DUFV-90-UPVC	330	E34-SS	83	EE-45-25-UPVC	326			1
DN33/42	131	DRTDH-1-12	653	DW-ALUMINIUM	655	E4-AU	82	EE-45-32-UPVC	326			2
DN33/42K	131	DRTDH-1-3	653	DWAM7	844	E4-BR	85	EE-45-40-UPVC	326			3
DN42/42	131	DRTDH-1-4	653	DWH-1	444	E4-PP	84	EE-45-50-UPVC	326			4
DN42/42K	131	DRTDH-1-5	653	DWH-12	444	E4-SS	83	EE-45-63-UPVC	326			5
DN42/50	131	DRTDH-1-6	653	DWH-34	444	E5/16-20	449	EE-45-75-UPVC	326			6
DN42/50K	131	DRTDH-1-8	653	DWTWDP	844	E6-AU	82	EE-45-90-UPVC	326			7
DN50/50	131	DS04/04	127	<b>E</b>		EA98.06.04	296	EE-90-110-UPVC	326			8
DN50/50K	131	DS05/05	127	E1-10/8-1/2	160	EB-45-32-UPVC	326	EE-90-125-UPVC	326			9
DN50/55	131	DS06-SS	200	E1-10/8-1/4	160	EB-45-40-UPVC	326	EE-90-140-UPVC	326			A
DN50/55K	131	DS06/06	127	E1-10/8-1/8	160	EB-45-63-UPVC	326	EE-90-16-UPVC	326			B
DN55/55	131	DS08-SS	200	E1-10/8-3/8	160	EB-45-75-UPVC	326	EE-90-160-UPVC	326			C
DN55/55K	131	DS08/08	127	E1-6/4-1/4	160	EB-45-90-UPVC	326	EE-90-20-UPVC	326			D
DO-17	143	DS09/06	127	E1-6/4-1/8	160	EB-90-110-UPVC	326	EE-90-200-UPVC	326			E
DO-21	143	DS09/09	127	E1-8/6-1/2	160	EB-90-20-UPVC	326	EE-90-225-UPVC	326			F
DP1-AU	82	DS10-SS	200	E1-8/6-1/4	160	EB-90-25-UPVC	326	EE-90-25-UPVC	326			G
DP1-BR	85	DS13-SS	200	E1-8/6-3/8	160	EB-90-32-UPVC	326	EE-90-32-UPVC	326			H
DP1-PP	84	DS13/06	127	E1-AU	82	EB-90-40-UPVC	326	EE-90-40-UPVC	326			I
DP1-SS	83	DS13/08	127	E1-BR	85	EB-90-50-UPVC	326	EE-90-50-UPVC	326			J
DP112-AU	82	DS13/09	127	E1-PP	84	EB-90-63-UPVC	326	EE-90-63-UPVC	326			K
DP112-BR	85	DS13/13	127	E1-SS	83	EB-90-75-UPVC	326	EE-90-75-UPVC	326			L
DP112-PP	84	DS16/09	127	E112-AU	82	EB-90-90-UPVC	326	EE-90-90-UPVC	326			M
DP112-SS	83	DS16/13	127	E112-BR	85	EB12	165	EE-MI1-1	251			N
DP114-AU	82	DS16/16	127	E112-PP	84	EB14	165	EE-MI1-112	251			O
DP114-BR	85	DS19-SS	200	E112-SS	83	EB14/2	165	EE-MI1-112N	251			P
DP114-PP	84	DS19/09	127	E114-AU	82	EB18	165	EE-MI1-114	251			Q
DP12-AU	82	DS19/13	127	E114-BR	85	EB316	165	EE-MI1-114N	251			R
DP12-BR	85	DS19/16	127	E114-PP	84	EB38	165	EE-MI1-12	251			S
DP12-SS	83	DS19/19	127	E114-SS	83	EB516	165	EE-MI1-12N	251			T
DP12.17	667	DS25-SS	200	E12-AU	82	EC-1	200	EE-MI1-14	251			U
DP12.4	667	DS25/19	127	E12-BR	85	EC-112	200	EE-MI1-14N	251			V
DP2-AU	82	DS25/25	127	E12-PP	84	EC-114	200	EE-MI1-1N	251			W
DP2-BR	85	DS31-SS	200	E12-SS	83	EC-12	200	EE-MI1-2	251			X
DP2-PP	84	DS31/31	127	E1X-10/6.5-1/4	160	EC-14	200	EE-MI1-212	251			Y
DP2-SS	83	DS38-SS	200	E1X-10/8-1/4	160	EC-18	200	EE-MI1-212N	251			Z
DP212-AU	82	DS38/38	127	E1X-12/8-3/8	160	EC-2	200	EE-MI1-2N	251			
DP212-BR	85	DS50-SS	200	E1X-6/4-1/4	160	EC-34	200	EE-MI1-3	251			
DP212-SS	83	DS50/50	127	E1X-6/4-1/8	160	EC-38	200	EE-MI1-34	251			
DP3-AU	82	DT3P	655	E1X-8/6-1/4	160	ECN02/02	137	EE-MI1-34N	251			
DP3-BR	85	DTJ	655	E1Y-10/6.5-1/4	160	ECN04/04	137	EE-MI1-38	251			
DP3-PP	84	DUBV-110-UPVC	330	E1Y-10/8-1/4	160	ECN06/06	137	EE-MI1-38N	251			
DP3-SS	83	DUBV-16-UPVC	330	E1Y-12/10-3/8	160	ECN08/08	137	EE-MI1-3N	251			
DP34-AU	82	DUBV-20-UPVC	330	E1Y-12/8-3/8	160	ECN12/12	137	EE-MI1-4	251			
DP34-PP	84	DUBV-25-UPVC	330	E1Y-6/4-1/4	160	ECN16/16	137	EE-MI120-1	250			
DP34-SS	83	DUBV-32-UPVC	330	E1Y-6/4-1/8	160	ECON45	668	EE-MI120-12	250			
DP4-AU	82	DUBV-40-UPVC	330	E1Y-8/6-1/4	160	ECON45.MAN	668	EE-MI120-12N	250			
DP4-BR	85	DUBV-50-UPVC	330	E1Y-8/6-1/8	160	ECON75	668	EE-MI120-1N	250			
DP6-AU	82	DUBV-63-UPVC	330	E12-10/8-3/8	160	ECON75.MAN	668	EE-MI120-34	250			
DP6-BR	85	DUBV-75-UPVC	330	E12-12/10-3/8	160	EE-1	201	EE-MI120-34N	250			
DPB2A	819	DUBV-90-UPVC	330	E12-6/4-1/2	160	EE-112	201	EE-MI130-1	252			
DPB3A	819	DUCV-110-UPVC	330	E12-6/4-1/4	160	EE-114	201	EE-MI130-1-112	253			
DPB9V	819	DUCV-16-UPVC	330	E12-6/4-1/8	160	EE-12	201	EE-MI130-1-112N	253			
DPG1H08	728	DUCV-20-UPVC	330	E12-8/6-1/4	160	EE-14	201	EE-MI130-1-114	253			
DPK-1	748	DUCV-25-UPVC	330	E2-AU	82	EE-18	201	EE-MI130-1-114N	253			
DR100	498	DUCV-32-UPVC	330	E2-BR	85	EE-2	201	EE-MI130-1-12	253			
DR100-01	614	DUCV-40-UPVC	330	E2-PP	84	EE-212	201	EE-MI130-1-12N	253			
DR100-M5	614	DUCV-50-UPVC	330	E2-SS	83	EE-3	201	EE-MI130-1-34	253			
DR200-01	614	DUCV-63-UPVC	330	E212-AU	82	EE-34	201	EE-MI130-1-34N	253			
DR200-02	614	DUCV-75-UPVC	330	E212-BR	85	EE-38	201	EE-MI130-1-38	253			
DR200-03	614	DUCV-90-UPVC	330	E212-SS	83	EE-4	201	EE-MI130-1-38N	253			
DR400-03	614	DUFV-110-UPVC	330	E3-AU	82	EE-45-110-UPVC	326	EE-MI130-112	252			
DR400-04	614	DUFV-20-UPVC	330	E3-BR	85	EE-45-125-UPVC	326	EE-MI130-112-1	253			
DR600-06	614	DUFV-25-UPVC	330	E3-PP	84	EE-45-140-UPVC	326	EE-MI130-112-114	253			
DR600-08	614	DUFV-32-UPVC	330	E3-SS	83	EE-45-16-UPVC	326	EE-MI130-112-12	253			
DRP01	673	DUFV-40-UPVC	330	E3/8-20	449	EE-45-160-UPVC	326	EE-MI130-112-12N	253			
DRP03	673	DUFV-50-UPVC	330	E34-AU	82	EE-45-20-UPVC	326	EE-MI130-112-1N	253			
DRP04	673	DUFV-63-UPVC	330	E34-BR	85	EE-45-200-UPVC	326	EE-MI130-112-2	253			

	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	EE-MI130-112-2N	253	EE-MI130-34-1N	253	EE-MI180-38	255	EE-MI240-112-34N	247	EE-MI241-2-1	246
1	EE-MI130-112-34	253	EE-MI130-34-38	253	EE-MI180-38N	255	EE-MI240-112114N	247	EE-MI241-2-112	246
2	EE-MI130-112-34N	253	EE-MI130-34-38N	253	EE-MI1A-1	251	EE-MI240-114-1	247	EE-MI241-2-112N	246
2	EE-MI130-112114N	253	EE-MI130-34N	252	EE-MI1A-112	251	EE-MI240-114-12	247	EE-MI241-2-114	246
3	EE-MI130-112N	252	EE-MI130-38	252	EE-MI1A-112N	251	EE-MI240-114-12N	247	EE-MI241-2-114N	246
4	EE-MI130-114	252	EE-MI130-38-12	253	EE-MI1A-114	251	EE-MI240-114-1N	247	EE-MI241-2-12	246
4	EE-MI130-114-1	253	EE-MI130-38-12N	253	EE-MI1A-114N	251	EE-MI240-114-34	247	EE-MI241-2-12N	246
5	EE-MI130-114-112	253	EE-MI130-38-14	253	EE-MI1A-12	251	EE-MI240-114-34N	247	EE-MI241-2-1N	246
5	EE-MI130-114-12	253	EE-MI130-38-14N	253	EE-MI1A-12N	251	EE-MI240-114-38	247	EE-MI241-2-34	246
6	EE-MI130-114-12N	253	EE-MI130-38N	252	EE-MI1A-1N	251	EE-MI240-114-38N	247	EE-MI241-2-34N	246
6	EE-MI130-114-1N	253	EE-MI130-3N	252	EE-MI1A-2	251	EE-MI240-12-14	247	EE-MI241-212-1	246
7	EE-MI130-114-2	253	EE-MI130-4	252	EE-MI1A-2N	251	EE-MI240-12-14N	247	EE-MI241-212-112	246
7	EE-MI130-114-2N	253	EE-MI130-4-2	253	EE-MI1A-34	251	EE-MI240-12-38	247	EE-MI241-212-114	246
8	EE-MI130-114-34	253	EE-MI130-4-2N	253	EE-MI1A-34N	251	EE-MI240-12-38N	247	EE-MI241-212-1N	246
8	EE-MI130-114-34N	253	EE-MI130-4-3	253	EE-MI1A-38	251	EE-MI240-2-1	247	EE-MI241-212-2	246
9	EE-MI130-114112N	253	EE-MI130-4-3N	253	EE-MI1A-38N	251	EE-MI240-2-112	247	EE-MI241-212-2N	246
9	EE-MI130-114N	252	EE-MI130-4N	252	EE-MI2-1	251	EE-MI240-2-112N	247	EE-MI241-212112N	246
A	EE-MI130-12	252	EE-MI131-1	252	EE-MI2-112	251	EE-MI240-2-114	247	EE-MI241-3-1	246
A	EE-MI130-12-1	253	EE-MI131-112	252	EE-MI2-112N	251	EE-MI240-2-114N	247	EE-MI241-3-112	246
B	EE-MI130-12-14	253	EE-MI131-112N	252	EE-MI2-114	251	EE-MI240-2-12	247	EE-MI241-3-112N	246
B	EE-MI130-12-14N	253	EE-MI131-114	252	EE-MI2-114N	251	EE-MI240-2-12N	247	EE-MI241-3-114N	246
C	EE-MI130-12-1N	253	EE-MI131-114N	252	EE-MI2-12	251	EE-MI240-2-1N	247	EE-MI241-3-2	246
C	EE-MI130-12-34	253	EE-MI131-12	252	EE-MI2-12N	251	EE-MI240-2-34	247	EE-MI241-3-212	246
D	EE-MI130-12-34N	253	EE-MI131-12N	252	EE-MI2-14	251	EE-MI240-2-34N	247	EE-MI241-3-212N	246
D	EE-MI130-12-38	253	EE-MI131-1N	252	EE-MI2-14N	251	EE-MI240-212-1	247	EE-MI241-3-2N	246
E	EE-MI130-12-38N	253	EE-MI131-2	252	EE-MI2-1N	251	EE-MI240-212-2	247	EE-MI241-34-12	246
E	EE-MI130-12N	252	EE-MI131-2N	252	EE-MI2-2	251	EE-MI240-212-2N	247	EE-MI241-34-12N	246
F	EE-MI130-14	252	EE-MI131-34	252	EE-MI2-212	251	EE-MI240-212112N	247	EE-MI241-34-14	246
F	EE-MI130-14N	252	EE-MI131-34N	252	EE-MI2-2N	251	EE-MI240-212114N	247	EE-MI241-34-14N	246
G	EE-MI130-1N	252	EE-MI165-1	254	EE-MI2-3	251	EE-MI240-3-112	247	EE-MI241-34-38	246
G	EE-MI130-2	252	EE-MI165-112	254	EE-MI2-34	251	EE-MI240-3-112N	247	EE-MI241-34-38N	246
H	EE-MI130-2-1	253	EE-MI165-112N	254	EE-MI2-34N	251	EE-MI240-3-2	247	EE-MI241-38-14	246
H	EE-MI130-2-112	253	EE-MI165-114	254	EE-MI2-38	251	EE-MI240-3-212	247	EE-MI241-38-14N	246
H	EE-MI130-2-112N	253	EE-MI165-114N	254	EE-MI2-38N	251	EE-MI240-3-212N	247	EE-MI241-4-2	246
I	EE-MI130-2-114	253	EE-MI165-12	254	EE-MI2-3N	254	EE-MI240-3-2N	247	EE-MI241-4-212	246
I	EE-MI130-2-114N	253	EE-MI165-12N	254	EE-MI2-4	251	EE-MI240-34-12	247	EE-MI241-4-2N	246
J	EE-MI130-2-12	253	EE-MI165-1N	254	EE-MI220-1	254	EE-MI240-34-12N	247	EE-MI241-4-3	246
J	EE-MI130-2-12N	253	EE-MI165-2	254	EE-MI220-12	254	EE-MI240-34-38	247	EE-MI245-1-12	245
K	EE-MI130-2-1N	253	EE-MI165-2N	254	EE-MI220-12N	254	EE-MI240-34-38N	247	EE-MI245-1-12N	245
K	EE-MI130-2-212	253	EE-MI165-34	254	EE-MI220-1N	254	EE-MI240-38-14	247	EE-MI245-1-34	245
L	EE-MI130-2-212N	253	EE-MI165-34N	254	EE-MI220-34	254	EE-MI240-38-14N	247	EE-MI245-1-34N	245
L	EE-MI130-2-3	253	EE-MI180-1	255	EE-MI220-34N	254	EE-MI240-4-2	247	EE-MI245-112-1	245
M	EE-MI130-2-34	253	EE-MI180-1-12	255	EE-MI221-1	250	EE-MI240-4-3	247	EE-MI245-112-114	245
M	EE-MI130-2-34N	253	EE-MI180-1-12N	255	EE-MI221-112	250	EE-MI241-1-12	246	EE-MI245-112-12N	245
N	EE-MI130-2-3N	253	EE-MI180-1-34	255	EE-MI221-112N	250	EE-MI241-1-12N	246	EE-MI245-112-1N	245
N	EE-MI130-212	252	EE-MI180-1-34N	255	EE-MI221-114	250	EE-MI241-1-34	246	EE-MI245-112-34	245
O	EE-MI130-212-1	253	EE-MI180-112	255	EE-MI221-114N	250	EE-MI241-1-34N	246	EE-MI245-112-34N	245
O	EE-MI130-212-112	253	EE-MI180-112N	255	EE-MI221-12	250	EE-MI241-1-38	246	EE-MI245-112114N	245
P	EE-MI130-212-1N	253	EE-MI180-114	255	EE-MI221-12N	250	EE-MI241-1-38N	246	EE-MI245-114-1	245
P	EE-MI130-212-2	253	EE-MI180-114-12	255	EE-MI221-1N	250	EE-MI241-112-1	246	EE-MI245-114-12	245
Q	EE-MI130-212-2N	253	EE-MI180-114-12N	255	EE-MI221-2	250	EE-MI241-112-114	246	EE-MI245-114-12N	245
Q	EE-MI130-212-34	253	EE-MI180-114N	255	EE-MI221-2N	250	EE-MI241-112-12	246	EE-MI245-114-1N	245
R	EE-MI130-212112N	253	EE-MI180-12	255	EE-MI221-34	250	EE-MI241-112-12N	246	EE-MI245-114-34	245
R	EE-MI130-212114N	253	EE-MI180-12-38	255	EE-MI221-34N	250	EE-MI241-112-1N	246	EE-MI245-114-34N	245
S	EE-MI130-2N	252	EE-MI180-12-38N	255	EE-MI221-38	250	EE-MI241-112-34	246	EE-MI245-12-14	245
S	EE-MI130-3	252	EE-MI180-12N	255	EE-MI221-38N	250	EE-MI241-112-34N	246	EE-MI245-12-14N	245
T	EE-MI130-3-112	253	EE-MI180-1N	255	EE-MI240-1-12	247	EE-MI241-112114N	246	EE-MI245-12-38	245
T	EE-MI130-3-112N	253	EE-MI180-2	255	EE-MI240-1-12N	247	EE-MI241-114-1	246	EE-MI245-12-38N	245
U	EE-MI130-3-2	253	EE-MI180-2-34	255	EE-MI240-1-34	247	EE-MI241-114-12	246	EE-MI245-14-18	245
U	EE-MI130-3-212	253	EE-MI180-2-34N	255	EE-MI240-1-34N	247	EE-MI241-114-12N	246	EE-MI245-2-1	245
V	EE-MI130-3-212N	253	EE-MI180-2N	255	EE-MI240-1-38	247	EE-MI241-114-1N	246	EE-MI245-2-112	245
W	EE-MI130-3-2N	253	EE-MI180-3	255	EE-MI240-1-38N	247	EE-MI241-114-34	246	EE-MI245-2-112N	245
W	EE-MI130-34	252	EE-MI180-34	255	EE-MI240-112-1	247	EE-MI241-114-34N	246	EE-MI245-2-114	245
X	EE-MI130-34-1	253	EE-MI180-34-12	255	EE-MI240-112-114	247	EE-MI241-114-38	246	EE-MI245-2-114N	245
X	EE-MI130-34-12	253	EE-MI180-34-12N	255	EE-MI240-112-12	247	EE-MI241-12-14	246	EE-MI245-2-1N	245
Y	EE-MI130-34-12N	253	EE-MI180-34-38	255	EE-MI240-112-12N	247	EE-MI241-12-14N	246	EE-MI245-212-112	245
Y	EE-MI130-34-14	253	EE-MI180-34-38N	255	EE-MI240-112-1N	247	EE-MI241-12-38	246	EE-MI245-212-2	245
Z	EE-MI130-34-14N	253	EE-MI180-34N	255	EE-MI240-112-34	247	EE-MI241-12-38N	246	EE-MI245-212-2N	245

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
EE-MI245-212112N	245	EE-MI280-14N	245	EE-MI300-2N	248	EE-MI326-34-N	255	EE-MI41-212N	252
EE-MI245-212114N	245	EE-MI280-1N	245	EE-MI300-3	248	EE-MI340-1	248	EE-MI41-2N	252
EE-MI245-3-2	245	EE-MI280-2	245	EE-MI300-34	248	EE-MI340-112	248	EE-MI41-3	252
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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
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1	EE-MI90-38	249	EEC14	165	EGHC80-100	526	EL53-2-ABS	342	ENBN-12X250N	257
2	EE-MI90-38N	249	EEC18	165	EHNI-1	340	EL53-2-UPVC	334	ENBN-12X30	256
3	EE-MI90-3N	249	EEC316	165	EHNI-2	340	EL53-212-ABS	342	ENBN-12X300	256
4	EE-MI90-4	249	EEC34	165	EHRVG-1	606	EL53-212-UPVC	334	ENBN-12X300N	257
5	EE-MI90-4N	249	EEC38	165	EHRVG-1-3CP	606	EL53-3-ABS	342	ENBN-12X30N	257
6	EE-MI92-1	249	EEC516	165	EHRVG-1-5CP	606	EL53-3-UPVC	334	ENBN-12X40	256
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9	EE-MI92-112	249	EEM130-1-12-1N	253	EHRVG-112-5CP	606	EL53-4-ABS	342	ENBN-12X50N	257
A	EE-MI92-112N	249	EEM130-1-34-1	253	EHRVG-114	606	EL53-4-UPVC	334	ENBN-12X60	256
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D	EE-MI92-12	249	EEM130-12-38-12N	253	EHRVG-12	606	EL53-6-ABS	342	ENBN-12X80N	257
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W	EE-MI92-4	249	EEM130C112134N	254	EHT-14-8	126	EMEBREF-D2-0700	648	ENBN-1X150	256
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	EE-MI94-34N	249	EEM130C114121N	254	EHT-38-6	126	EMEBREF-E2-0100	648	ENBN-1X40	256
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	EE-MI98-12	249	EGHC12-20	526	EL34	166	ENBN-114X300	256	ENBN-2X200	256
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	EE-MI98-1N	249	EGHC20-32	526	EL516	166	ENBN-114X80	256	ENBN-2X300	256
	EE-MI98-2	249	EGHC25-40	526	EL53-1-ABS	342	ENBN-114X80N	257	ENBN-2X300N	257
	EE-MI98-2N	249	EGHC32-50	526	EL53-1-UPVC	334	ENBN-12X100	256	ENBN-2X80	256
	EE-MI98-34	249	EGHC35-45	526	EL53-112-ABS	342	ENBN-12X100N	257	ENBN-2X80N	257
	EE-MI98-34N	249	EGHC40-60	526	EL53-112-UPVC	334	ENBN-12X150	256	ENBN-34X100	256
	EE-MI98-38	249	EGHC50-70	526	EL53-114-ABS	342	ENBN-12X150N	257	ENBN-34X100N	257
	EE-MI98-38N	249	EGHC60-80	526	EL53-114-UPVC	334	ENBN-12X200	256	ENBN-34X150	256
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Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
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ENBN-38X50	256	EPS-CFE-6	182	EPS-CFME-15-12	182	EPS-CFTC-28	183	EPS-MRBSP22D-S	534		I
ENBN-38X50N	257	EPS-CFE-8	182	EPS-CFME-15-14	182	EPS-CFTC-35	183	EPS-MRBSP28-S	534		J
ENBN-38X60	256	EPS-CFET-10	183	EPS-CFME-15-34	182	EPS-CFTC-42	183	EPS-MRBSP28CP-S	534		K
ENBN-38X60N	257	EPS-CFET-12	183	EPS-CFME-22-1	182	EPS-CFTC-54	183	EPS-MRBSP35-S	534		L
ENBN-38X80	256	EPS-CFET-15	183	EPS-CFME-22-12	182	EPS-CFWE-15-12	182	EPS-MRBSP35CP-S	534		M
ENBN-38X80N	257	EPS-CFET-22	183	EPS-CFME-22-34	182	EPS-CFWE-22-12	182	EPS-MRBSP35D-S	534		N
ENBN-3X100	256	EPS-CFET-28	183	EPS-CFME-28-1	182	EPS-CFWE-22-34	182	EPS-MRBSP54-S	534		O
ENBN-3X100N	257	EPS-CFET-35	183	EPS-CFME-35-114	182	EPS-CS10-S	534	EPS-MRBSP54D-S	534		P
ENBN-3X150	256	EPS-CFET-42	183	EPS-CFME-42-112	182	EPS-CS15-S	534	EPS-MRBSP67-S	534		Q
ENBN-3X150N	257	EPS-CFET-54	183	EPS-CFME-54-2	182	EPS-CS215-S	534	EPS-MRBSP76-S	534		R
ENBN-3X200	256	EPS-CFET-6	183	EPS-CFME-8-14	182	EPS-CS22-S	534	EPS-S015-S	533		S
ENBN-3X200N	257	EPS-CFET-8	183	EPS-CFME-8-38	182	EPS-CS28-S	534	EPS-S015CP-S	533		T
ENBN-3X300	256	EPS-CFF-10-12	182	EPS-CFN-10	183	EPS-CS35-S	534	EPS-S022-S	533		U
ENBN-3X300N	257	EPS-CFF-10-14	182	EPS-CFN-15	183	EPS-CS42-S	534	EPS-S022CP-S	533		V
ENBN-4X100	256	EPS-CFF-10-38	182	EPS-CFN-22	183	EPS-CS54-S	534	EPS-S028-S	533		W
ENBN-4X100N	257	EPS-CFF-15-12	182	EPS-CFN-28	183	EPS-DPBSP15-S	534	EPS-S028CP-S	533		X
ENBN-4X150	256	EPS-CFF-15-14	182	EPS-CFN-8	183	EPS-DPBSP15CP-S	534	EPS-S035-S	533		Y
ENBN-4X150N	257	EPS-CFF-15-34	182	EPS-CFR-10-8	182	EPS-DPBSP22-S	534	EPS-S035CP-S	533		Z
ENBN-4X200	256	EPS-CFF-15-38	182	EPS-CFR-12-10	182	EPS-DPBSP22CP-S	534	EPS-S042-S	533		
ENBN-4X200N	257	EPS-CFF-22-1	182	EPS-CFR-12-8	182	EPS-DPBSP28-S	534	EPS-S042CP-S	533		
ENBN-4X300	256	EPS-CFF-22-12	182	EPS-CFR-15-10	182	EPS-DPBSP28CP-S	534	EPS-S054-S	533		
ENBN-4X300N	257	EPS-CFF-22-34	182	EPS-CFR-15-12	182	EPS-DPBSP35-S	534	EPS-S054CP-S	533		
EPC14	166	EPS-CFF-28-1	182	EPS-CFR-15-8	182	EPS-DPBSP35CP-S	534	EPS-SOPB12-S	533		
EPC38	166	EPS-CFF-28-34	182	EPS-CFR-22-15	182	EPS-DPBSP42-S	534	EPS-SOPB15-S	533		
EPDM-1	86	EPS-CFF-35-114	182	EPS-CFR-28-15	182	EPS-DPBSP42CP-S	534	EPS-SOPB15CP-S	533		
EPDM-112	86	EPS-CFF-42-112	182	EPS-CFR-28-22	182	EPS-DPBSP54-S	534	EPS-SOPB22-S	533		
EPDM-114	86	EPS-CFF-54-2	182	EPS-CFR3-10-6	183	EPS-DPBSP54CP-S	534	EPS-SOPB22CP-S	533		
EPDM-12	86	EPS-CFF-6-14	182	EPS-CFR3-10-8	183	EPS-FP10-S	533	EPS-SOPB28-S	533		
EPDM-2	86	EPS-CFF-8-14	182	EPS-CFR3-15-10	183	EPS-FP10CP-S	533	EPS-SOPB28CP-S	533		
EPDM-212	86	EPS-CFF-8-38	182	EPS-CFR3-15-12	183	EPS-FPBSP14-S	534	EPS-SOPB35-S	533		
EPDM-3	86	EPS-CFFE-10-12	182	EPS-CFR3-15-8	183	EPS-FPBSP38-S	534	EPS-SOPB35CP-S	533		
EPDM-34	86	EPS-CFFE-10-14	182	EPS-CFR3-22-15	183	EPS-HB15-S	533	EPS-SOPB42-S	533		
EPDM-4	86	EPS-CFFE-10-38	182	EPS-CFR3-28-15	183	EPS-HB15CP-S	533	EPS-SOPB42CP-S	533		
EPS-CFBO-10	183	EPS-CFFE-15-12	182	EPS-CFR3-28-22	183	EPS-HB22-S	533	EPS-SOPB54-S	533		
EPS-CFBO-12	183	EPS-CFFE-15-14	182	EPS-CFR3-35-15	183	EPS-HB22CP-S	533	EPS-SOPB54CP-S	533		
EPS-CFBO-15	183	EPS-CFFE-15-34	182	EPS-CFR3-35-22	183	EPS-HB28-S	533	ER99.06.02	298		
EPS-CFBO-20	183	EPS-CFFE-22-1	182	EPS-CFR3-35-28	183	EPS-HB28CP-S	533	ER99.06.03	298		
EPS-CFBO-22	183	EPS-CFFE-22-12	182	EPS-CFR3-42-15	183	EPS-HB35-S	533	ES12	166		
EPS-CFBO-25	183	EPS-CFFE-22-34	182	EPS-CFR3-42-28	183	EPS-HB35CP-S	533	ES14	166		
EPS-CFBO-28	183	EPS-CFFE-28-1	182	EPS-CFR3-42-35	183	EPS-HB42-S	533	ES316	166		
EPS-CFBO-3/4	183	EPS-CFFE-35-114	182	EPS-CFR3-54-15	183	EPS-HB42CP-S	533	ES34	166		
EPS-CFBO-35	183	EPS-CFFE-42-112	182	EPS-CFR3-54-28	183	EPS-HB54-S	533	ES38	166		
EPS-CFBO-42	183	EPS-CFFE-54-2	182	EPS-CFR3-54-35	183	EPS-MP10-S	533	ES516	166		
EPS-CFBO-54	183	EPS-CFFE-8-14	182	EPS-CFR3-54-42	183	EPS-MP10CP-S	533	ESI-1	339		
EPS-CFBO-8	183	EPS-CFM-10-12	182	EPS-CFS-10	182	EPS-MPBSP38-S	534	ESI-112	339		
EPS-CFBTC-15-12	183	EPS-CFM-10-14	182	EPS-CFS-12	182	EPS-MR15-S	533	ESI-114	339		
EPS-CFBTC-22-34	183	EPS-CFM-10-38	182	EPS-CFS-15	182	EPS-MR15CP-S	533	ESI-12	339		
EPS-CFCO-10	183	EPS-CFM-12-14	182	EPS-CFS-22	182	EPS-MR15D-S	533	ESI-2	339		
EPS-CFCO-12	183	EPS-CFM-12-38	182	EPS-CFS-28	182	EPS-MR22-S	533	ESI-34	339		
EPS-CFCO-15	183	EPS-CFM-15-12	182	EPS-CFS-35	182	EPS-MR22CP-S	533	ESRI-1	339		

	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	ESRI-12	339	F-V91NH92FNM801	699	F4-BR-NPT	85	FBSTD-114	280	FC-12-500RG	227
1	ESRI-2	339	F-V91NL92FNM701	699	F4-PP	84	FBSTD-12	280	FC-12-500RT	227
2	ESRI-34	339	F-V91NL92FNM801	699	F4-PP-NPT	84	FBSTD-2	280	FC-12-750RT	227
3	ET-1	200	F-V91NM92FNM701	699	F4-SS	83	FBSTD-212	280	FC-125-125N	220
4	ET-112	200	F-V91NM92FNM801	699	F4-SS-NPT	83	FBSTD-3	280	FC-125-250N	220
5	ET-114	200	F1-AU	82	F400	783	FBSTD-34	280	FC-15-375RT	227
6	ET-12	200	F1-AU-NPT	82	F402	787	FBSTD-4	280	FC-15-500N	227
7	ET-14	200	F1-BR	85	F404	787	FBSTD-6	280	FC-15-500RT	227
8	ET-18	200	F1-BR-NPT	85	F406	783	FBSTE-1	280	FC-16-500N	227
9	ET-2	200	F1-PP	84	F408	787	FBSTE-112	280	FC-187-125N	220
A	ET-212	200	F1-PP-NPT	84	F410	787	FBSTE-114	280	FC-20-500N	227
B	ET-3	200	F1-SS	83	F412	787	FBSTE-12	280	FC-20-500RG	227
C	ET-34	200	F1-SS-NPT	83	F414	787	FBSTE-2	280	FC-20-500RT	227
D	ET-38	200	F112-AU	82	F416	787	FBSTE-212	280	FC-20-750N	227
E	ET-38-5	332	F112-AU-NPT	82	F418	787	FBSTE-3	280	FC-20-750RT	227
F	ET-4	200	F112-BR	85	F420	783	FBSTE-34	280	FC-22-1000N	227
G	EV-12	600	F112-BR-NPT	85	F422	783	FBSTE-4	280	FC-22-1000RT	227
H	EV-14	600	F112-PP	84	F424	783	FBSTE-5	280	FC-22-500RG	227
I	EV-18	600	F112-PP-NPT	84	F6-AU	82	FBSTE-6	280	FC-22-750N	227
J	EV-38	600	F112-SS	83	F6-AU-NPT	82	FBT	517	FC-22-750RT	227
K	EX12	166	F112-SS-NPT	83	F6-BR	85	FBT-10-250N	228	FC-25-1000N	227
L	EX14	166	F114-AU	82	F906T	783	FBT-1000-1000N	222	FC-25-1000RT	227
M	EX38	166	F114-AU-NPT	82	FASA150-110-UPVC	329	FBT-1000-750N	222	FC-25-750N	227
N	EX516	166	F114-BR	85	FASA150-25-UPVC	329	FBT-12-250N	228	FC-25-750RT	227
O	EY53-1-ABS	342	F114-BR-NPT	85	FASA150-32-UPVC	329	FBT-12-375N	228	FC-250-125N	220
P	EY53-1-UPVC	334	F114-PP	84	FASA150-40-UPVC	329	FBT-125-125N	222	FC-250-125RT	220
Q	EY53-112-ABS	342	F114-SS	83	FASA150-50-UPVC	329	FBT-16-500N	228	FC-250-250N	220
R	EY53-112-UPVC	334	F114-SS-NPT	83	FASA150-63-UPVC	329	FBT-250-125N	222	FC-250-250RG	220
S	EY53-114-ABS	342	F12-AU	82	FASA150-75-UPVC	329	FBT-250-250N	222	FC-250-250RT	220
T	EY53-114-UPVC	334	F12-AU-NPT	82	FASA150-90-UPVC	329	FBT-375-250N	222	FC-250-375N	220
U	EY53-12-ABS	342	F12-BR	85	FASA150HT2	90	FBT-375-375N	222	FC-250-375RG	220
V	EY53-12-UPVC	334	F12-BR-NPT	85	FB09B	517	FBT-375-500N	222	FC-250-375RT	220
W	EY53-2-ABS	342	F12-PP	84	FB09H	517	FBT-500-250N	222	FC-250-500N	220
X	EY53-2-UPVC	334	F12-SS	83	FB13B	517	FBT-500-375N	222	FC-250-500RG	220
Y	EY53-212-ABS	342	F12-SS-NPT	83	FB13H	517	FBT-500-500N	222	FC-250-500RT	220
Z	EY53-212-UPVC	334	F12/34-PP-NPT	84	FB16B	517	FBT-6-125N	228	FC-3-125N	227
	EY53-3-ABS	342	F2-AU	82	FB16H	517	FBT-6-250N	228	FC-3-125RT	227
	EY53-3-UPVC	334	F2-AU-NPT	82	FB19B	517	FBT-625-500N	222	FC-3-250N	227
	EY53-34-ABS	342	F2-BR	85	FB19H	517	FBT-750-750N	222	FC-3-250RG	227
	EY53-34-UPVC	334	F2-BR-NPT	85	FBP1	166	FBT-8-125N	228	FC-312-125N	220
	EY53-4-ABS	342	F2-PP	84	FBP12	166	FBT-8-250N	228	FC-312-250N	220
	EY53-4-UPVC	334	F2-PP-NPT	84	FBP14	166	FBU-1-ABS	343	FC-312-250RG	220
	EY53-5-UPVC	334	F2-SS	83	FBP18	166	FBU-112	339	FC-312-375N	220
	EY53-6-ABS	342	F2-SS-NPT	83	FBP34	166	FBU-112-ABS	343	FC-312-500RG	220
	EY53-6-UPVC	334	F212-AU	82	FBP38	166	FBU-114-ABS	343	FC-375-125N	220
	EY53-8-UPVC	334	F212-AU-NPT	82	FBSOTD-10	280	FBU-12-ABS	343	FC-375-250N	220
F			F212-BR	85	FBSOTD-2	280	FBU-2-ABS	343	FC-375-250RG	220
	F-V77JP72FNM701	699	F212-BR-NPT	85	FBSOTD-3	280	FBU-34-ABS	343	FC-375-250RT	220
	F-V77JP72FNM801	699	F212-SS	83	FBSOTD-300	280	FC-10-125RT	227	FC-375-375N	220
	F-V77JQ72FNM701	699	F212-SS-NPT	83	FBSOTD-4	280	FC-10-250N	227	FC-375-375RG	220
	F-V77JQ72FNM801	699	F3-AU	82	FBSOTD-612	280	FC-10-250RG	227	FC-375-375RT	220
	F-V77JR72FNM701	699		82	FBSOTD-658	280	FC-10-250RT	227	FC-375-500N	220
	F-V77JR72FNM801	699	F3-BR	85	FBSOTD-8	280	FC-10-375N	227	FC-375-500RG	220
	F-V77JS72FNM701	699	F3-BR-NPT	85	FBSOTE-1	280	FC-10-375RG	227	FC-375-500RT	220
	F-V77JS72FNM801	699	F3-PP	84	FBSOTE-10	280	FC-10-375RT	227	FC-375-750N	220
	F-V77JT60FNM501	699	F3-PP-NPT	84	FBSOTE-112	280	FC-10-500N	227	FC-4-125N	227
	F-V77JT60FNM601	699	F3-SS	83	FBSOTE-114	280	FC-10-500RG	227	FC-500-250N	220
	F-V83NP92FNM701	699	F3-SS-NPT	83	FBSOTE-12	280	FC-10-500RT	227	FC-500-250RT	220
	F-V83NP92FNM801	699	F34-AU	82	FBSOTE-2	280	FC-1000-1000N	220	FC-500-375N	220
	F-V83NQ92FNM701	699	F34-AU-NPT	82	FBSOTE-212	280	FC-1000-750N	220	FC-500-375RG	220
	F-V83NQ92FNM801	699	F34-BR	85	FBSOTE-3	280	FC-12-125RT	227	FC-500-375RT	220
	F-V91J092FNM701	699	F34-PP	84	FBSOTE-34	280	FC-12-250N	227	FC-500-500N	220
	F-V91J092FNM801	699	F34-PP-NPT	84	FBSOTE-4	280	FC-12-250RG	227	FC-500-500RG	220
	F-V91JW92FNM701	699	F34-SS	83	FBSOTE-5	280	FC-12-250RT	227	FC-500-500RT	220
	F-V91JW92FNM801	699	F34-SS-NPT	83	FBSOTE-612	280	FC-12-375N	227	FC-500-750N	220
	F-V91NG92FNM701	699	F4-AU	82	FBSOTE-658	280	FC-12-375RG	227	FC-6-125N	227
	F-V91NG92FNM801	699	F4-AU-NPT	82	FBSOTE-8	280	FC-12-375RT	227	FC-6-125RT	227
	F-V91NH92FNM701	699	F4-BR	85	FBSTD-1	280	FC-12-500N	227	FC-6-250N	227

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	
FC-6-250RG	227	FE-750-500N	222	FFG-4	339	FH21/38	125	FHDPC12-100	425			0
FC-6-250RT	227	FE-750-750N	222	FFH02/03	125	FH21/38FF	125	FHDPC14	425			1
FC-6-375N	227	FE-8-250N	229	FFH02/04	125	FH21/516	125	FHDPC14-100	425			2
FC-6-375RG	227	FE-875-750N	222	FFH02/05	125	FH21/516FF	125	FHDPC2	425			3
FC-6-375RT	227	FE10	134	FFH02/06	125	FH21/58	125	FHDPC34	425			4
FC-6-500N	227	FE101	70	FFH04/03	125	FH21/58FF	125	FHDPC34-100	425			5
FC-6-500RG	227	FE13	134	FFH04/04	125	FH26/12	125	FHDPC38	425			6
FC-6-500RT	227	FE17	134	FFH04/05	125	FH26/12FF	125	FHDPC38-100	425			7
FC-625-375N	220	FE21	134	FFH04/06	125	FH26/12SS	200	FHDPC516	425			8
FC-625-500N	220	FEHT2	90	FFH04/08	125	FH26/34	125	FHDPC516-100	425			9
FC-625-750N	220	FEHT3	90	FFH06/04	125	FH26/34FF	125	FHN1	491			A
FC-750-500N	220	FEHT4	90	FFH06/05	125	FH26/34SS	200	FHN1900	492			B
FC-750-750N	220	FET14-38	126	FFH06/06	125	FH26/58	125	FHN2500	492			C
FC-8-125N	227	FET14-516	126	FFH06/08	125	FH26/58FF	125	FHN34	491			D
FC-8-125RT	227	FET38-12	126	FFH08/04	125	FH26/58FF	125	FHO1930	492			E
FC-8-250N	227	FET38-38	126	FFH08/05	125	FH33/1	125	FHO2530	492			F
FC-8-250RG	227	FF-10	231	FFH08/06	125	FH33/12	125	FHO2530	492			G
FC-8-250RT	227	FF-1000	225	FFH08/08	125	FH33/12FF	125	FHPC212	96			H
FC-8-375N	227	FF-12	231	FFH08/10	125	FH33/19SS	200	FHRAAF19	492			I
FC-8-375RG	227	FF-125	225	FFH08/12	125	FH33/1FF	125	FHRAAF25	492			J
FC-8-375RT	227	FF-14	231	FFH08/16	125	FH33/25SS	200	FHRAAS19	492			K
FC-8-500N	227	FF-15	231	FFILT.EL	658	FH33/34	125	FHRAAS25	492			L
FC-8-500RG	227	FF-16	231	FFILT.ELW	658	FH33/34FF	125	FHRAAS25	492			M
FC-8-500RT	227	FF-18	231	FFILT.KIT	658	FH33/58	125	FHRAMF19	492			N
FC-875-750N	220	FF-187	225	FFILT.KITW	658	FH33/58FF	125	FHRAMS19	492			O
FC04	70	FF-20	231	FFR04/02NP	136	FH42/114	125	FHRAMS25	492			P
FC10	134	FF-22	231	FFR06/02NP	136	FH42/114FF	125	FHROAF19	492			Q
FC13	134	FF-25	231	FFR06/04NP	136	FH48/112	125	FHROAF25	492			R
FC17	134	FF-250	225	FFR08/04NP	136	FH48/112FF	125	FHROAS19	492			S
FC21	134	FF-3	231	FFR08/06NP	136	FH48/114	125	FHROAS25	492			T
FD10	134	FF-312	225	FFR12/04NP	136	FH48/38SS	200	FHROMF19	492			U
FD13	134	FF-375	225	FFR12/06NP	136	FH52/112	125	FHROMF25	492			V
FD17	134	FF-4	231	FFR12/08NP	136	FH52/2	125	FHROMS19	492			W
FD21	134	FF-500	225	FFR16/08NP	136	FH52/2FF	125	FHROMS25	492			X
FDHT2	90	FF-6	231	FFR16/12NP	136	FH52/50SS	125	FHSASASS2	90			Y
FDHT3	90	FF-625	225	FG4E	676	FHA-1-ABS	343	FHSCBMMF212	96			Z
FDHT4	90	FF-750	225	FG6E	676	FHAFIFBSP2122	96	FHSDBFM212	96			
FDHT5	90	FF-8	231	FGB-1	576	FHAFIFBSP212212	96	FHSESS2	90			
FDHT6	90	FF-875	225	FH10/14	125	FHAFIFBSP212212	96	FHSNP16SS2	90			
FE-10-125N	229	FF30-1-ABS	344	FH10/14FF	125	FHAMIFBSP212212	96	FHSNP16SS3	90			
FE-10-250N	229	FF30-1-UPVC	337	FH10/18	125	FHAMIFBSP2122	96	FHT10/13	128			
FE-1000-1000N	222	FF30-112-ABS	344	FH10/18FF	125	FHAMIFBSP212212	96	FHT10/17	128			
FE-1000-750N	222	FF30-112-UPVC	337	FH10/316	125	FHAMIMBSP2122	96	FHT12	491			
FE-12-250N	229	FF30-114-ABS	344	FH10/316FF	125	FHAMIMBSP212212	96	FHT12/17	128			
FE-12-375N	229	FF30-114-UPVC	337	FH13/14	125	FHAMIMBSP212212	96	FHT12/21	128			
FE-12-500N	229	FF30-12-ABS	344	FH13/14	125	FHAMIM212212	96	FHT1212	491			
FE-125-125N	222	FF30-12-UPVC	337	FH13/14FF	125	FHCC112FEMALE	96	FHT22	491			
FE-125-250N	222	FF30-2-ABS	344	FH13/14SS	200	FHCC112MALE	96	FHT2212	491			
FE-16-500N	229	FF30-2-UPVC	337	FH13/18	125	FHCC134FEMALE	96	FHT32	491			
FE-187-125N	222	FF30-3-ABS	344	FH13/316	125	FHCC134MALE	96	FHT6/10	128			
FE-250-125N	222	FF30-3-UPVC	337	FH13/316FF	125	FHCC212	96	FHT6/13	128			
FE-250-250N	222	FF30-34-ABS	344	FH13/38	125	FHCC212112	96	FHT7/10	128			
FE-250-375N	222	FF30-34-UPVC	337	FH13/38FF	125	FHCC212134	96	FHT7/13	128			
FE-250-500N	222	FF30-4-ABS	344	FH13/516	125	FHCC2122	96	FHT8/13	128			
FE-312-125N	222	FF30-4-UPVC	337	FH13/516FF	125	FHCC212212	96	FHT9/13	128			
FE-312-250N	222	FF31-2-ABS	344	FH17/12	125	FHCC2123	96	FHT9/17	128			
FE-375-125N	222	FFA02/02NP	135	FH17/12FF	125	FHCC212FEMALE	96	FHW06/0690NP	126			
FE-375-250N	222	FFA04/04NP	135	FH17/14	125	FHCC212MALE	96	FHW08/0690NP	126			
FE-375-375N	222	FFA06/06NP	135	FH17/14FF	125	FHCC234FEMALE	96	FHW08/0890NP	126			
FE-375-500N	222	FFA08/08NP	135	FH17/38	125	FHCC2FEMALE	96	FHW12/0690NP	126			
FE-500-250N	222	FFA12/12NP	135	FH17/38FF	125	FHCC2MALE	96	FHW12/0890NP	126			
FE-500-375N	222	FFA16/16NP	135	FH17/38SS	200	FHCC3FEMALE	96	FHW12/1090NP	126			
FE-500-500N	222	FFG-1	339	FH17/516	125	FHCC3MALE	96	FHW12/1290NP	126			
FE-6-125N	229	FFG-112	339	FH17/516FF	125	FHCG	96	FHW16/1690NP	126			
FE-6-250N	229	FFG-114	339	FH21/12	125	FHDPCV1	425	FHWT221210	491			
FE-6-500N	229	FFG-2	339	FH21/12FF	125	FHDPCV1-100	425	FHWT221215	491			
FE-625-375N	222	FFG-212	339	FH21/12SS	200	FHDPCV112	425	FHWT221220	491			
FE-625-500N	222	FFG-3	339	FH21/14	125	FHDPCV114	425	FHWT221225	491			
				FH21/14FF	125	FHDPCV12	425	FIRE-FHB4518	490			

	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	FIRE-FHB4518LA	490	FLX16	304	FP13DCAP	75	FPSOTE-150	280	FRBI-34-12	340
1	FIRE-FHB4523	490	FLX17	304	FP13FCAP	75	FPSOTE-20	280	FRS-1-12	201
2	FIRE-FHB4523LA	490	FLX18	304	FP17GCAP	75	FPSOTE-200	280	FRS-1-14	201
3	FIRE-FHB4530	490	FLX19	304	FP25M	754	FPSOTE-25	280	FRS-1-34	201
4	FIRE-FHB6418	490	FLX20	304	FP3/4-10BX	448	FPSOTE-250	280	FRS-1-38	201
5	FIRE-FHB6418LA	490	FLX21	304	FP3/4-13BX	448	FPSOTE-300	280	FRS-112-1	201
6	FIRE-FHB6423	490	FLX22	304	FP3/4-16BX	448	FPSOTE-32	280	FRS-112-114	201
7	FIRE-FHB6423LA	490	FLX23	304	FP3/4-19BX	448	FPSOTE-40	280	FRS-112-34	201
8	FIRE-FHB6430	490	FLX24	304	FP3/8-10BX	448	FPSOTE-50	280	FRS-114-1	201
9	FIRE-FHB6430LA	490	FLX25	304	FP3/8-13BX	448	FPSOTE-65	280	FRS-114-12	201
A	FIRE-FHC4518	490	FLX26	304	FP35M	754	FPSOTE-80	280	FRS-114-34	201
B	FIRE-FHC4518LA	490	FLX27	304	FP7BCAP	75	FQ100	498	FRS-12-14	201
C	FIRE-FHC4523	490	FLX29	304	FP9DCAP	75	FQSD1-10	474	FRS-12-18	201
D	FIRE-FHC4523LA	490	FLX31	304	FPBLTD-100	280	FQSD1-5	474	FRS-12-38	201
E	FIRE-FHC4530LA	490	FLX33	304	FPBLTD-15	280	FQSD112-10	474	FRS-14-18	201
F	FIRE-FHC6418	490	FLX36	304	FPBLTD-150	280	FQSD112-5	474	FRS-2-1	201
G	FIRE-FHC6418LA	490	FLX37	304	FPBLTD-20	280	FQSD114-10	474	FRS-2-112	201
H	FIRE-FHC6423	490	FLX38	304	FPBLTD-200	280	FQSD114-5	474	FRS-2-114	201
I	FIRE-FHC6423LA	490	FM4	657	FPBLTD-25	280	FQSD2-10	474	FRS-2-34	201
J	FIRE-FHC6430	490	FN14	167	FPBLTD-250	280	FQSD2-5	474	FRS-212-114	201
K	FIRE-FHC6430LA	490	FN18	167	FPBLTD-300	280	FQSD212-10	474	FRS-212-2	201
L	FIRE-FHQ4518	491	FN38	167	FPBLTD-32	280	FQSD212-5	474	FRS-3-114	201
M	FIRE-FHQ4518LA	491	FNF14	167	FPBLTD-50	280	FQSD3-10	474	FRS-3-2	201
N	FIRE-FHQ4523	491	FNF18	167	FPBLTD-65	280	FQSD3-5	474	FRS-3-212	201
O	FIRE-FHQ4523LA	491	FNF38	167	FPBLTD-80	280	FQSD4-10	474	FRS-34-12	201
P	FIRE-FHQ4530LA	491	FNP14	167	FPBLTE-100	280	FQSD4-5	474	FRS-34-14	201
Q	FIRE-FHQ6418LA	491	FNP16HT112	90	FPBLTE-125	280	FRB-12-ABS	343	FRS-34-38	201
R	FIRE-FHQ6423	491	FNP16HT2	90	FPBLTE-150	280	FRB-34-ABS	343	FRS-38-14	201
S	FIRE-FHQ6423LA	491	FNP16HT212	90	FPBLTE-155	280	FRB-BSP-1/2EPDM	281	FRS-38-18	201
T	FIRE-FHQ6430	491	FNP16HT3	90	FPBLTE-200	280	FRB-BSP-1/2NBR	281	FRS-4-2	201
U	FIRE-FHQ6430LA	491	FNP16HT4	90	FPBLTE-25	280	FRB-BSP-112EPDM	281	FRS-4-3	201
V	FIRE-FHR4518	490	FNP16HT6	90	FPBLTE-250	280	FRB-BSP-112NBR	281	FRT-10-250N	228
W	FIRE-FHR4518LA	490	FNP16HT8	90	FPBLTE-300	280	FRB-BSP-114EPDM	281	FRT-1000-1000N	222
X	FIRE-FHR4523	490	FNP18	167	FPBLTE-32	280	FRB-BSP-114NBR	281	FRT-1000-750N	222
Y	FIRE-FHR4523LA	490	FNP38	167	FPBLTE-40	280	FRB-BSP-1EPDM	281	FRT-12-250N	228
Z	FIRE-FHR4530	490	FNT14	167	FPBLTE-50	280	FRB-BSP-1NBR	281	FRT-12-375N	228
	FIRE-FHR6418	490	FNT38	167	FPBLTE-65	280	FRB-BSP-212EPDM	281	FRT-125-125N	222
	FIRE-FHR6418LA	490	FNT516	167	FPBLTE-80	280	FRB-BSP-212NBR	281	FRT-16-500N	228
	FIRE-FHR6423	490	FO-500	826	FPN1/2-10	449	FRB-BSP-2EPDM	281	FRT-250-125N	222
	FIRE-FHR6423LA	490	FO1/2-13	448	FPN1/2-13	449	FRB-BSP-2NBR	281	FRT-250-250N	222
	FIRE-FHR6430	490	FO1/4-6	448	FPN1/2-8	449	FRB-BSP-3/4EPDM	281	FRT-375-250N	222
	FIRE-FHR6430LA	490	FO1/4-8	448	FPN16-110-UPVC	329	FRB-BSP-3/4NBR	281	FRT-500-375N	222
	FLEX-15	300	FO1/8-6	448	FPN16-20-UPVC	329	FRB-BSP-3EPDM	281	FRT-500-500N	222
	FLEX-22	300	FO11/4-32	448	FPN16-25-UPVC	329	FRB-BSP-3NBR	281	FRT-6-125N	228
	FLO2MT	554	FO3/4-16	448	FPN16-32-UPVC	329	FRB-PN16-10EPDM	281	FRT-6-250N	228
	FLO4MT	554	FO3/4-19	448	FPN16-40-UPVC	329	FRB-PN16-10NBR	281	FRT-750-750N	222
	FLOOR-TAPE-CADDY	839	FO3/8-10	448	FPN16-50-UPVC	329	FRB-PN16-112EPDM	281	FRT-8-125N	228
	FLP-06B	426	FO3/8-13	448	FPN16-63-UPVC	329	FRB-PN16-112NBR	281	FRT-8-250N	204
	FLP-08B	426	FO3/8-6	448	FPN16-75-UPVC	329	FRB-PN16-114EPDM	281	FS-1	228
	FLP-10B	426	FON1-25	449	FPN16-90-UPVC	329	FRB-PN16-114NBR	281	FS-112	204
	FLP-12B	426	FON1/2-13	449	FPN3/4-10	449	FRB-PN16-12EPDM	281	FS-114	204
	FLS050SS	516	FON1/4-6	449	FPN3/4-13	449	FRB-PN16-12NBR	281	FS-12	204
	FLS075SS	516	FON1/4-8	449	FPN3/4-16	449	FRB-PN16-212EPDM	281	FS-14	204
	FLS100SS	516	FON3/4-16	449	FPN3/4-19	449	FRB-PN16-212NBR	281	FS-18	204
	FLS120SS	516	FON3/4-19	449	FPN3/8-10	449	FRB-PN16-2EPDM	281	FS-2	204
	FLS150SS	516	FON3/8-10	449	FPSOTD-100	280	FRB-PN16-2NBR	281	FS-212	204
	FLS175SS	516	FOOT150	675	FPSOTD-125	280	FRB-PN16-3EPDM	281	FS-3	204
	FLS200SS	516	FOOT200	675	FPSOTD-150	280	FRB-PN16-3NBR	281	FS-34	204
	FLS225SS	516	FOOT250	675	FPSOTD-200	280	FRB-PN16-4EPDM	281	FS-38	204
	FLS250SS	516	FOOT300	675	FPSOTD-250	280	FRB-PN16-4NBR	281	FS-4	204
	FLS275SS	516	FOOT400	675	FPSOTD-300	280	FRB-PN16-5EPDM	281	FS04	70
	FLS300SS	516	FOOT600	675	FPSOTD-32	280	FRB-PN16-5NBR	281	FSC1-1	165
	FLS330SS	516	FP1-19BX	448	FPSOTD-50	280	FRB-PN16-6EPDM	281	FSC12-12	165
	FLS355SS	516	FP1-25BX	448	FPSOTD-65	280	FRB-PN16-6NBR	281	FSC12-14	165
	FLS380SS	516	FP1/2-10BX	448	FPSOTD-80	280	FRB-PN16-8EPDM	281	FSC12-38	165
	FLS405SS	516	FP1/2-13BX	448	FPSOTE-100	280	FRB-PN16-8NBR	281	FSC14-12	165
	FLV-1	656	FP11/2-40BX	448	FPSOTE-125	280	FRBI-1-34	340	FSC14-14	165
	FLX15	304	FP12M	754	FPSOTE-15	280	FRBI-12-38	340	FSC14-18	165



Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
FSC14-38	165	FSFSOB-12-300	279	FX125-30	470	G63-012BG	641	GB16-34	344
FSC18-14	165	FSFSOB-2	279	FX150-10	470	G63-012RG	641	GB16-4	337
FSC18-18	165	FSFSOB-2-300	279	FX150-30	470	G63-01D	636	GB16-4	344
FSC316-14	165	FSFSOB-212	279	FX200-10	470	G63-020BG	641	GB16-5	337
FSC316-18	165	FSFSOB-212-300	279	FX200-30	470	G63-020RG	641	GB16-5	344
FSC316-38	165	FSFSOB-3	279	FX250-10	470	G63-025BG	641	GB16-6	337
FSC34-12	165	FSFSOB-3-300	279	FX250-30	470	G63-025RG	641	GB16-6	344
FSC34-34	165	FSFSOB-34	279	FX300-10	470	G63-040BG	641	GB16-8	337
FSC38-12	165	FSFSOB-4	279	FX300-30	470	G63-040RG	641	GB16-8	344
FSC38-14	165	FSFSOB-4-300	279	FX400-10	470	G63-04D	636	GBEC02	245
FSC38-18	165	FSFWA-1	279	FX400-30	470	G63-060BG	641	GBEC04	245
FSC38-38	165	FSFWA-112	279	<b>G</b>		G63-060RG	641	GBEC06	245
FSC516-12	165	FSFWA-114	279	G1	449	G63-10T	636	GBEC08	245
FSC516-14	165	FSFWA-2	279	G100-04B	636	G63-120BG	641	GBEC12	245
FSC516-18	165	FSFWA-212	279	G100-06B	636	G63-120RG	641	GBEC16	245
FSC516-38	165	FSFWA-212-300	279	G100-10B	636	G63-12T	636	GBEC20	245
FSE12-12	166	FSFWA-3	279	G100-14B	636	G63-16T	636	GBEC24	245
FSE14-14	166	FSFWA-3-300	279	G112	449	G63-200BG	641	GBEC32	245
FSE14-18	166	FSFWA-4	279	G12	449	G63-200RG	641	GBEC40	245
FSE18-18	166	FSFWA-4-300	279	G2	449	G63-250BG	641	GBEC48	245
FSE316-18	166	FSFWB-1	279	G40-01R	636	G63-250RG	641	GBEC64	245
FSE38-12	166	FSFWB-1-300	279	G40-01V	636	G63-400BG	641	GBP-1	124
FSE38-14	166	FSFWB-112	279	G40-02R	636	G63-400RG	641	GBP-112	124
FSE38-38	166	FSFWB-112-300	279	G40-04R	636	G63-600BG	641	GBP-114	124
FSE516-14	166	FSFWB-114	279	G40-06R	636	G63-600RG	641	GBP-12	124
FSFSA-1-300	279	FSFWB-2	279	G40-07R	636	G63-CB	641	GBP-14	124
FSFSA-112	279	FSFWB-2-300	279	G40-10R	636	G63-OB	641	GBP-2	124
FSFSA-112-300	279	FSFWB-212	279	G40-12R	636	G63-PM	641	GBP-212	124
FSFSA-12-300	279	FSFWB-212-300	279	G40-16R	636	G76028	524	GBP-34	124
FSFSA-2	279	FSFWB-3	279	G40-20R	636	G76036	524	GBP-38	124
FSFSA-2-300	279	FSFWB-4	279	G50-01B	636	G76048	524	GBP-4	124
FSFSA-212	279	FSFWB-4-300	279	G50-01C	636	G76056	524	GBR-110	329
FSFSA-3	279	FSS/L/1	815	G50-01R	636	G76072	524	GBR-20	329
FSFSA-34-300	279	FSS/L/2	815	G50-025C	636	G76088	524	GBR-25	329
FSFSB-1	279	FSS/L/3	815	G50-02B	636	G76104	524	GBR-32	329
FSFSB-1-300	279	FTA-110-3-UPVC	328	G50-02C	636	G76128	524	GBR-40	329
FSFSB-112	279	FTA-110-4-UPVC	328	G50-02R	636	G76152	524	GBR-50	329
FSFSB-112-300	279	FTA-16-12-UPVC	328	G50-02T	636	G76188	524	GBR-63	329
FSFSB-114	279	FTA-16-38-UPVC	328	G50-04B	636	G76216	524	GBR-75	329
FSFSB-114-300	279	FTA-20-12-UPVC	328	G50-04C	636	G76248	524	GBR-90	329
FSFSB-12	279	FTA-20-34-UPVC	328	G50-04R	636	G76280	524	GBV-1	600
FSFSB-12-300	279	FTA-25-1-UPVC	328	G50-04T	636	G76312	524	GBV-112	600
FSFSB-2	279	FTA-25-12-UPVC	328	G50-06B	636	G76344	524	GBV-114	600
FSFSB-2-300	279	FTA-25-34-UPVC	328	G50-06C	636	GA04/04	130	GBV-12	600
FSFSB-212	279	FTA-32-1-UPVC	328	G50-06R	636	GA06/04	130	GBV-2	600
FSFSB-212-300	279	FTA-32-34-UPVC	328	G50-06T	636	GA06/05	130	GBV-34	600
FSFSB-3	279	FTA-40-1-UPVC	328	G50-10B	636	GA06/06	130	GBV100/06	638
FSFSB-3-300	279	FTA-40-114-UPVC	328	G50-10C	636	GASOIA2	811	GBV100/06D	638
FSFSB-34	279	FTA-50-112-UPVC	328	G50-10R	636	GAUZE	110	GBV63/04	638
FSFSB-34-300	279	FTA-50-112-UPVC	328	G50-10T	636	GAV06/04	130	GBV63/04D	638
FSFSB-4	279	FTA-50-114-UPVC	328	G50-12B	636	GAV06/05	130	GCPM4010	638
FSFSB-4-300	279	FTA-50-2-UPVC	328	G50-12C	636	GAV06/06	130	GCPM4014	638
FSFSOA-1	279	FTA-63-112-UPVC	328	G50-12PM	637	GB-1	332	GCPM402	638
FSFSOA-112	279	FTA-63-2-UPVC	328	G50-12R	636	GB16-1	337	GCPM4020	638
FSFSOA-114-300	279	FTA-75-2-UPVC	328	G50-12T	636	GB16-1	344	GCPM404	638
FSFSOA-12	279	FTA-75-212-UPVC	328	G50-16C	636	GB16-112	337	GCPM407	638
FSFSOA-2	279	FTA-90-212-UPVC	328	G50-16R	636	GB16-112	344	GCPM5010	638
FSFSOA-2-300	279	FTA-90-3-UPVC	328	G50-16T	636	GB16-114	337	GCPM5014	638
FSFSOA-3	279	FTA-90-4-UPVC	328	G50-20R	636	GB16-114	344	GCPM502	638
FSFSOA-34	279	FVS-112	675	G50-20T	636	GB16-12	337	GCPM504	638
FSFSOA-34-300	279	FVS-3	675	G63-001BG	641	GB16-12	344	GCPM507	638
FSFSOA-4	279	FVS-4	675	G63-001RG	641	GB16-2	337	GCV100/06	638
FSFSOA-4-300	279	FX050-30	470	G63-002BG	641	GB16-2	344	GCV100/06D	638
FSFSOB-1	279	FX075-10	470	G63-002RG	641	GB16-212	337	GCV63/04	638
FSFSOB-112	279	FX075-30	470	G63-004BG	641	GB16-212	344	GCV63/04D	638
FSFSOB-112-300	279	FX100-10	470	G63-004RG	641	GB16-3	337	GCVPM40/02	638
FSFSOB-114	279	FX100-30	470	G63-006BG	641	GB16-3	344	GCVPM50/02	638
FSFSOB-12	279	FX125-10	470	G63-006RG	641	GB16-34	337	GDH-4	656

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	GDH-5	656	GMAMF2112	94	GP-036-0200N	554	GSE-102	474	GT10/09	124
1	GDH-6	656	GMAMF2122	94	GP-036-0300B	554	GSE-102-10	474	GT10/09K	123
2	GDOR	107	GMAMF212212	94	GP-036-0300N	554	GSE-152	474	GT10/09KNP	123
3	GGUN01	689	GMAMF2123	94	GP-048-0120B	554	GSE-152-10	474	GT10/13K	123
4	GGWH-1/4-25	450	GMAMF2212	94	GP-048-0120N	554	GSE-51	474	GT13	754
5	GGWH-3/8-25	450	GMAMF23	94	GP-048-0160B	554	GSE-51-10	474	GT13/04	124
6	GH12	428	GMAMF32	94	GP-048-0160N	554	GSE-63	474	GT13/04K	123
7	GH12-100	428	GMAMF3212	94	GP-048-0200B	554	GSE-63-10	474	GT13/04KNP	123
8	GH12-50	428	GMAMF33	94	GP-048-0200N	554	GSE-76	474	GT13/05	124
9	GH19	428	GMAMF34	94	GP-048-0300B	554	GSE-76-10	474	GT13/05K	123
A	GH19-100	428	GMAMF43	94	GP-048-0300N	554	GSFF1-150	283	GT13/05KNP	123
B	GH19-50	428	GMAMFURTURT34	94	GP-048-0368B	554	GSFF1-300	283	GT13/06	124
C	GH25	428	GMAMM212212	94	GP-048-0368N	554	GSFF112-150	283	GT13/06K	123
D	GH25-100	428	GMAMM22	94	GP-076-0200B	554	GSFF114-150	283	GT13/06KNP	123
E	GH25-50	428	GMAMM33	94	GP-076-0200N	554	GSFF12-150	283	GT13/08	124
F	GJS-1	117	GMAMMBSPUPT33	94	GP-076-0240B	554	GSFF16-1	283	GT13/08K	123
G	GJS-112	117	GMBCC112	93	GP-076-0240N	554	GSFF16-112	283	GT13/08KNP	123
H	GJS-114	117	GMBCC2	93	GP-076-0300B	554	GSFF16-114	283	GT13/09	124
I	GJS-12	117	GMBCC212	93	GP-076-0300N	554	GSFF16-12	283	GT13/09K	123
J	GJS-2	117	GMBCCBSP3	93	GP-076-0368B	554	GSFF16-2	283	GT13/09KNP	123
K	GJS-34	117	GMBCCBSP4	93	GP-076-0368N	554	GSFF16-212	283	GT13/13	124
L	GK-3Y	112	GMBCCURT3	93	GP-090-0430B	554	GSFF16-3	283	GT13/13K	123
M	GK-AW21	112	GMCT3URT	92	GP-090-0430N	554	GSFF16-4	283	GT13/13KNP	123
N	GK-AW26	112	GMCT4URT	92	GP-090-0530B	554	GSFF2-150	283	GT13/16K	123
O	GK-AW33	112	GMDSLLC2-6M	463	GP-090-0530N	554	GSFF2-300	283	GT13/16KNP	123
P	GK-AW42	112	GMDSLLC3312-6M	463	GP-RAPIDFLO	666	GSFF212-150	283	GT13/19K	123
Q	GK-AW50	112	GMDSLLC4-6M	463	GPOR	107	GSFF3-150	283	GT13/19KNP	123
R	GK-BC	112	GMDSLLC6-6M	463	GR.AGUNC	691	GSFF40-112	283	GT16	754
S	GK-GASKET	112	GMDSLLC8-6M	463	GR.AM12.5C	691	GSFF40-2	283	GT17/05K	123
T	GK-IW21	112	GMS-1	117	GR.AM50C	691	GSFF40-4	283	GT17/05KNP	123
U	GK-IW26	112	GMS-112	117	GR.ASWIVC	691	GSK10	109	GT17/06	124
V	GK-IW33	112	GMS-114	117	GR.ASWIVS	691	GSK13	109	GT17/06K	123
W	GK-IW42	112	GMS-12	117	GR.BFILL	691	GSK16	109	GT17/06KNP	123
X	GK-IW50	112	GMS-2	117	GR.FU	691	GSK19	109	GT17/08	124
Y	GK-SP34	112	GMS-34	117	GR.G3HV	691	GSK25	109	GT17/08K	123
Z	GK-TF13	112	GN0245N	681	GR.G6HV	691	GSK32	109	GT17/08KNP	123
	GK-TF19	112	GN0290N	681	GR.GGFILL	691	GSK38	109	GT17/09	124
	GK-TF25	112	GN02N	681	GR.H12.L	691	GSP-1	117	GT17/09K	123
	GK-TF31	112	GN0445N	681	GR.NIPI	682	GSP-112	117	GT17/09KNP	123
	GK-TF38	112	GN0490N	681	GR.PGS	691	GSP-114	117	GT17/13	124
	GKA10	109	GN04N	681	GRD2	282	GSP-2	117	GT17/13K	123
	GKA12	109	GNM6	681	GRD3	282	GSP-34	117	GT17/13KNP	123
	GKA14	109	GNM645	681	GRD4	282	GSPN16-1	283	GT17/16	124
	GKA15	109	GNM690	681	GRD6	282	GSPN16-112	283	GT17/16K	123
	GKA34	109	GNM8	681	GRD8	282	GSPN16-114	283	GT17/16KNP	123
	GKA38	109	GNM845	681	GRIBCNP162	282	GSPN16-2	283	GT17/19	124
	GKA54	109	GNM890	681	GRIBCNP163	282	GSPN16-212	283	GT17/19K	123
	GKD2	282	GNTH02N	681	GRIBCNP164	282	GSPN16-3	283	GT17/19KNP	123
	GKD3	282	GNTH04N	681	GRIBCNP166	282	GSPN16-34	283	GT20	754
	GK110	109	GNU04	681	GRIBCNP168	282	GSPN16-4	283	GT21/05K	123
	GK112	109	GNU0445	681	GRNP162	282	GSPN40-2	283	GT21/06	124
	GK114	109	GNU0490	681	GRNP163	282	GSPN40-3	283	GT21/06K	123
	GK115	109	GO04/04	130	GRNP164	282	GT05/03	124	GT21/06KNP	123
	GK134	109	GO06/04	130	GRNP166	282	GT05/04	124	GT21/08	124
	GK138	109	GO06/05	130	GRNP168	282	GT06/04	124	GT21/08K	123
	GK154	109	GO06/06	130	GS1-150	283	GT10	754	GT21/08KNP	123
	GKIBCNP162	282	GOER	107	GS1-300	283	GT10/04	124	GT21/09	124
	GKIBCNP163	282	GOV04/04	130	GS112-150	283	GT10/04K	123	GT21/09K	123
	GKIBCNP164	282	GOV06/04	130	GS112-300	283	GT10/04KNP	123	GT21/09KNP	123
	GKIBCNP166	282	GOV06/05	130	GS114-150	283	GT10/05	124	GT21/13	124
	GKNP163	282	GOV06/06	130	GS12-150	283	GT10/05K	123	GT21/13K	123
	GKNP166	282	GP-025-0100B	554	GS12-300	283	GT10/05KNP	123	GT21/13KNP	123
	GKO	109	GP-025-0100N	554	GS2-150	283	GT10/06	124	GT21/16	124
	GKOR	109	GP-025-0200B	554	GS212-150	283	GT10/06K	123	GT21/16K	123
	GM38	112	GP-025-0200N	554	GS3-150	283	GT10/06KNP	123	GT21/16KNP	123
	GMAMF1122	94	GP-036-0140B	554	GS3-300	283	GT10/08	124	GT21/19	124
	GMAMF112212	94	GP-036-0140N	554	GS34-150	283	GT10/08K	123	GT21/19K	123
	GMAMF1123	94	GP-036-0200B	554	GS4-150	283	GT10/08KNP	123	GT21/19KNP	123

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
GT21/25	124	GT8	754	H940190-1	532	HBN18-40	244	HCL8-6	449
GT21/25K	123	GTLC1	112	H940230-1	532	HBN18-60	244	HCMINI-KIT-MS	531
GT21/25KNP	123	GTLC12	112	H940260-1	532	HBN18-80	244	HCMINI-KIT-SS	531
GT23/16K	123	GTLC34	112	H940285-1	532	HBN2-120	244	HCP10-M-08G	75
GT25	754	GV12-1	601	H940310-1	532	HBN2-150	244	HCP143	518
GT26/06	124	GV12-112	601	HA-4615P	494	HBN2-180	244	HCP143SS	518
GT26/06K	123	GV12-114	601	HA-4615PH	494	HBN2-250	244	HCP143SS316	518
GT26/08	124	GV12-12	601	HA-4615R	494	HBN2-300	244	HCR-36-CLEANER	332
GT26/08K	123	GV12-2	601	HANG.P	651	HBN2-80	244	HCS12	527
GT26/09K	123	GV12-212	601	HBC-1	202	HBN212-100	244	HCS16	527
GT26/09KNP	123	GV12-3	601	HBC-112	202	HBN212-200	244	HCS20	527
GT26/10	124	GV12-34	601	HBC-114	202	HBN212-300	244	HCS25	527
GT26/13	124	GV12-38	601	HBC-12	202	HBN3-100	244	HCS32	527
GT26/13K	123	GV12-4	601	HBC-14	202	HBN3-200	244	HCS40	527
GT26/13KNP	123	GVOR	107	HBC-18	202	HBN3-300	244	HCS50	527
GT26/16	124	GWFFA04	247	HBC-2	202	HBN34-100	244	HCS60	527
GT26/16K	123	GWFFA06	247	HBC-212	202	HBN34-120	244	HCS70	527
GT26/16KNP	123	GWFFA08	247	HBC-3	202	HBN34-150	244	HD.000	113
GT26/19	124	GWFFA12	247	HBC-34	202	HBN34-180	244	HD.001	113
GT26/19K	123	GWFFA16	247	HBC-38	202	HBN34-200	244	HD.002	113
GT26/19KNP	123	GWFFA20	247	HBC-4	202	HBN34-250	244	HD.003	113
GT26/25	124	GWFFA24	247	HBN1-100	244	HBN34-300	244	HD.004	113
GT26/25K	123	GWFFA32	247	HBN1-120	244	HBN34-40	244	HD.005	113
GT26/25KNP	123	GWFFA40	247	HBN1-150	244	HBN34-60	244	HD.006	113
GT26/31K	123	GWFFA48	247	HBN1-180	244	HBN34-70	244	HD.007	113
GT30	754	GWFFA64	247	HBN1-200	244	HBN34-80	244	HD.1	113
GT33/13	124	GWH-1/4-10	450	HBN1-300	244	HBN38-100	244	HD.2	113
GT33/13K	123	GWH-1/4-100B	450	HBN1-50	244	HBN38-120	244	HD.3	113
GT33/13KNP	123	GWH-1/4-100R	450	HBN1-60	244	HBN38-150	244	HD.5	113
GT33/16K	123	GWH-1/4-15	450	HBN1-70	244	HBN38-180	244	HD.6	113
GT33/19	124	GWH-1/4-250	450	HBN1-80	244	HBN38-200	244	HD.7	113
GT33/19K	123	GWH-1/4-25B	450	HBN112-100	244	HBN38-40	244	HD.9	113
GT33/19KNP	123	GWH-1/4-25R	450	HBN112-120	244	HBN38-50	244	HD.AWH12	428
GT33/25	124	GWH-1/4-50-TWIN	450	HBN112-150	244	HBN38-60	244	HD.AWH34	428
GT33/25K	123	GWH-3/8-10	450	HBN112-180	244	HBN38-70	244	HDPVC1	424
GT33/25KNP	123	GWH-3/8-100B	450	HBN112-200	244	HBN38-80	244	HDPVC112	424
GT33/31K	123	GWH-3/8-100R	450	HBN112-300	244	HBN4-100	244	HDPVC114	424
GT33/31KNP	123	GWH-3/8-15	450	HBN112-80	244	HBN4-200	244	HDPVC12	424
GT33/32	124	GWH-3/8-250	450	HBN114-100	244	HBN4-300	244	HDPVC12B	424
GT33/38K	123	GWH-3/8-25B	450	HBN114-120	244	HC-DS	527	HDPVC12N	424
GT33/38KNP	123	GWH-3/8-25R	450	HBN114-150	244	HC-KIT-MS	531	HDPVC12R	424
GT38	112	GWH-3/8-50-TWIN	450	HBN114-200	244	HC-KIT-SS	531	HDPVC12Y	424
GT4	754	GWH-5/16-10	450	HBN114-250	244	HC1	544	HDPVC14	424
GT42/19K	123	GWH-5/16-100B	450	HBN114-300	244	HC10-16	527	HDPVC14B	424
GT42/19KNP	123	GWH-5/16-100R	450	HBN114-80	244	HC100-120	527	HDPVC14N	424
GT42/25	124	GWH-5/16-15	450	HBN12-100	244	HC110-130	527	HDPVC14R	424
GT42/25K	123	GWH-5/16-250	450	HBN12-120	244	HC12-20	527	HDPVC2	424
GT42/25KNP	123	GWH-5/16-25B	450	HBN12-150	244	HC120-140	527	HDPVC34	424
GT42/31K	123	GWH-5/16-25R	450	HBN12-180	244	HC130-150	527	HDPVC34B	424
GT42/31KNP	123	GWH-5/16-50-TWIN	450	HBN12-200	244	HC140-160	527	HDPVC34N	424
GT42/32	124	<b>H</b>		HBN12-250	244	HC16-25	527	HDPVC38	424
GT42/38	124	H0076	790	HBN12-30	244	HC20-32	527	HDPVC38B	424
GT48/31K	123	H0077	790	HBN12-300	244	HC25-40	527	HDPVC38N	424
GT48/38	124	H1.007	581	HBN12-40	244	HC25-40	527	HDPVC38R	424
GT48/38K	123	H2005-1	210	HBN12-50	244	HC32-50	527	HDPVC38Y	424
GT48/38KNP	123	H2005-12	210	HBN12-60	244	HC35-45	527	HDPVC516	424
GT48/50K	123	H2005-14	210	HBN12-80	244	HC40-60	527	HDPVC516B	424
GT48/50KNP	123	H2005-34	210	HBN14-100	244	HC50-70	527	HDPVC516N	424
GT52/38	124	H2005-38	210	HBN14-120	244	HC60-80	527	HDPVC516Y	424
GT52/38K	123	H2006-1	210	HBN14-150	244	HC70-90	527	HDPVC58	424
GT52/38KNP	123	H2006-12	210	HBN14-180	244	HC8-12	527	HDSH2-10	466
GT52/50	124	H2006-14	210	HBN14-200	244	HC80-100	527	HDSH2-30	466
GT52/50K	123	H2006-34	210	HBN14-250	244	HC90-110	527	HDSH3-10	466
GT52/50KNP	123	H2006-38	210	HBN14-300	244	HCKIT01	130	HDSH3-30	466
GT56/53K	123	H940070-1	532	HBN14-40	244	HCL10-10	449	HDSH4-10	466
GT58	112	H940090-1	532	HBN14-60	244	HCL12-10	449	HDSH4-30	466
GT6	754	H940130-1	532	HBN14-80	244	HCL15-13	449	HDSH6-10	466
GT60/58K	123	H940155-1	532	HBN18-100	244	HCL22-19	449	HDSH6-30	466

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	HDSHS-104112	528	HG100-010G	642	HKPA16SS-NPT	76	HP-12	202	HSBVCE-3	237
1	HDSHS-113121	528	HG100-016B	642	HKS02SS	76	HP-14	202	HSBVCE-34	237
2	HDSHS-122130	528	HG100-016G	642	HKS02SS-V	76	HP-18	202	HSBVCE-4	237
3	HDSHS-131139	528	HG100-040B	642	HKS04SS	76	HP-2	202	HSBVWE-1	237
4	HDSHS-140148	528	HG100-040G	642	HKS04SS-NPT	76	HP-212	202	HSBVWE-112	237
5	HDSHS-149161	528	HG100-100B	642	HKS04SS-V	76	HP-3	202	HSBVWE-12	237
6	HDSHS-162174	528	HG100-100G	642	HKS06SS	76	HP-34	202	HSBVWE-2	237
7	HDSHS-1719	528	HG100-160B	642	HKS06SS-NPT	76	HP-38	202	HSBVWE-212	237
8	HDSHS-175187	528	HG100-160G	642	HKS06SS-V	76	HP.SUC17	666	HSBVWE-3	237
9	HDSHS-188200	528	HG100-250B	642	HKS08SS	76	HP.SUC2	666	HSBVWE-34	237
A	HDSHS-201213	528	HG100-250G	642	HKS08SS-NPT	76	HP.SUC6	666	HSBVWE-4	237
B	HDSHS-2022	528	HG100-400B	642	HKS08SS-V	76	HP.SUC6B	666	HT-1	200
C	HDSHS-214226	528	HG100-400G	642	HKS12SS	76	HP/SB4/6	815	HT-1-19	200
D	HDSHS-227239	528	HGSAB1	521	HKS12SS-NPT	76	HP100MS	517	HT-1-31	200
E	HDSHS-2325	528	HGZAB1	521	HKS12SS-V	76	HP100SS	517	HT-112	200
F	HDSHS-240252	528	HISO-A04	74	HKS16SS	76	HPGO	666	HT-114	200
G	HDSHS-2628	528	HISO-A04P	74	HKS16SS-NPT	76	HPLFH1-10	459	HT-12	200
H	HDSHS-2931	528	HISO-A06	74	HKS16SS-V	76	HPLFH1-100	459	HT-12-06	200
I	HDSHS-3235	528	HISO-A06P	74	HKSA04SS-NPT	76	HPLFH112-10	459	HT-12-10	200
J	HDSHS-3639	528	HISO-A08	74	HKSA06SS-NPT	76	HPLFH112-100	459	HT-12-16	200
K	HDSHS-4043	528	HISO-A08P	74	HKSA08SS-NPT	76	HPLFH114-10	459	HT-12-19	200
L	HDSHS-4447	528	HISO-A12	74	HKSA12SS-NPT	76	HPLFH114-100	459	HT-12-25	200
M	HDSHS-4851	528	HISO-A12P	74	HKSA16SS-NPT	76	HPLFH2-10	459	HT-14	200
N	HDSHS-5255	528	HISO-A16	74	HM05	702	HPLFH2-100	459	HT-14-08	200
O	HDSHS-5659	528	HISO-A16P	74	HM10	702	HPLFH212-10	459	HT-14-10	200
P	HDSHS-6063	528	HISO-B02	74	HM18	702	HPLFH212-100	459	HT-14-13	200
Q	HDSHS-6467	528	HISO-B02P	74	HM30	702	HPLFH3-10	459	HT-18	200
R	HDSHS-6873	528	HISO-B04	74	HM34	702	HPLFH3-100	459	HT-18-06	200
S	HDSHS-7479	528	HISO-B04P	74	HM50	702	HPLFH4-10	459	HT-2	200
T	HDSHS-8085	528	HISO-B06	74	HM72	702	HPLFH4-100	459	HT-212	200
U	HDSHS-8691	528	HISO-B06P	74	HN-1	202	HPLP	669	HT-3	200
V	HDSHS-9297	528	HISO-B08	74	HN-112	202	HPS205	664	HT-34	200
W	HDSHS-98103	528	HISO-B08P	74	HN-114	202	HPS25	664	HT-34-13	200
X	HELD	656	HISO-B12	74	HN-12	202	HPSB	664	HT-38	200
Y	HELD.500	656	HISO-B12P	74	HN-14	202	HPW	664	HT-38-08	200
Z	HEP-1	115	HISO-B16	74	HN-18	202	HR5-309	493	HT-38-13	200
	HF1275	535	HISO-B16P	74	HN-2	202	HR5-309BCBH	493	HT-4	200
	HF3588	535	HISO16028FF04	75	HN-212	202	HR5-309GCBH	493	HT100	520
	HF5029	535	HISO16028FF04P	75	HN-3	202	HR5-315BCBKH	493	HT120	520
	HF7244	535	HISO16028FF06	75	HN-34	202	HR5-315GCBH	493	HT140	520
	HF7322	535	HISO16028FF06P	75	HN-38	202	HR5-315P	493	HT160	520
	HF7323	535	HISO16028FF08	75	HN-4	202	HR5-315R-R	494	HT180	520
	HF7325	535	HISO16028FF08P	75	HN50-1212-UPVC	331	HR5-315SF	494	HT200	520
	HF7326	535	HISO16028FF12	75	HN50-1616-UPVC	331	HR5-315SF-Y	494	HT220	520
	HF7327	535	HISO16028FF12P	75	HN50-2020-UPVC	331	HR5-320B	495	HT24	844
	HF7328	535	HISO16028FF16	75	HN50-2525-UPVC	331	HR8-315B	495	HT240	520
	HF7329	535	HISO16028FF16P	75	HN50-3232-UPVC	331	HRCT12	126	HT260	520
	HF7330	535	HKP02SS	76	HN50-4040-UPVC	331	HR015.12C	500	HT27	520
	HF7331	535	HKP02SS-V	76	HN50-5050-UPVC	331	HR015.12C	670	HT280	520
	HF7332	535	HKP04SS	76	HN50-6060-UPVC	331	HR08.25	500	HT30	520
	HF7333	535	HKP04SS-NPT	76	HN63-1-UPVC	336	HR08.25	670	HT320	520
	HFSSFC7310-V	76	HKP04SS-V	76	HN63-112-UPVC	336	HS-1	204	HT340	520
	HFSSFC7312-V	76	HKP06SS	76	HN63-114-UPVC	336	HS-112	204	HT35	520
	HFSSFC7314-V	76	HKP06SS-NPT	76	HN63-12-UPVC	336	HS-114	204	HT360	520
	HFSSFC7334-V	76	HKP06SS-V	76	HN63-2-UPVC	336	HS-12	204	HT380	520
	HFSSFC7338-V	76	HKP08SS	76	HN63-34-UPVC	336	HS-14	204	HT40	520
	HFSSFP7310-V	76	HKP08SS-NPT	76	HN64-11230-UPVC	336	HS-18	204	HT400	520
	HFSSFP7312-V	76	HKP08SS-V	76	HN64-11425-UPVC	336	HS-2	204	HT420	520
	HFSSFP7314-V	76	HKP12SS	76	HN64-120-UPVC	336	HS-212	204	HT440	520
	HFSSFP7334-V	76	HKP12SS-NPT	76	HN64-21450-UPVC	336	HS-3	204	HT45	520
	HFSSFP7338-V	76	HKP12SS-V	76	HN64-23460-UPVC	336	HS-34	204	HT460	520
	HG100-002B	642	HKP16SS	76	HN64-240-UPVC	336	HS-38	204	HT480	520
	HG100-002G	642	HKP16SS-NPT	76	HN64-3416-UPVC	336	HS-4	204	HT50	520
	HG100-004B	642	HKP16SS-V	76	HOA200	499	HSBVCE-1	237	HT500	520
	HG100-004G	642	HKPA04SS-NPT	76	HOP200	499	HSBVCE-112	237	HT60	520
	HG100-006B	642	HKPA06SS-NPT	76	HP-1	202	HSBVCE-12	237	HT65	520
	HG100-006G	642	HKPA08SS-NPT	76	HP-112	202	HSBVCE-2	237	HT70	520
	HG100-010B	642	HKPA12SS-NPT	76	HP-114	202	HSBVCE-212	237	HT80	520

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
HT90	520	IBCAS6062	89	IPPClip-3	340	ITM542-50	810	J4177	663
HT95	520	IBCC21	89	IPPClip-34	340	ITM577-250	810	J500S	668
HTD534	844	IBCC2112	89	IPPClip-4	340	ITM577-50	810	J7502	674
HU-1	202	IBCC2114	89	IPPClip-5	340	ITM601-10	810	J8055/12SE	674
HU-112	202	IBCC22	89	IPPSB-1	340	ITM601-50	810	J8055/6	674
HU-114	202	IBCC33	89	IPPSB-112	340	ITM638-50	810	J8055/9	674
HU-12	202	IBCD112112BSP	89	IPPSB-2	340	ITM641-10	810	J8057/1N	674
HU-14	202	IBCD22BSP	89	IPSS4	843	ITM641-50	810	J8057/2N	674
HU-18	202	IBCDC112	89	IPSSPC1000	843	ITS-1-16SWG	184	J8057/3N	674
HU-2	202	IBCDC2	89	IS1	784	ITS-1-18SWG	184	J8057/5N	674
HU-212	202	IBCDC3	89	IS10	786	ITS-118-16SWG	184	J9023SE	663
HU-3	202	IBCDP112	89	IS13	786	ITS-118-18SWG	184	J9130/80	682
HU-34	202	IBCDP2	89	IS2	780	ITS-12	184	J9131/80	682
HU-38	202	IBCD56062	89	IS20	780	ITS-12-10SWG	184	J9CPG1603	602
HU-4	202	IBCHAS10083	89	IS25	783	ITS-12-16SWG	184	J9CPG1604	602
HVFF06-06	367	IBCHAS060112BSP	89	IS27	783	ITS-12-18SWG	184	J9CPG1605	602
HVFF08-06	367	IBCHAS0601BSP	89	IS35	788	ITS-14	184	J9CPG1806	602
HVFF08-08	367	IBCHAS0602BSP	89	IS40	786	ITS-18	184	JA-01	654
HVFF10-10	367	IBCHAS0602BSPCWS	89	IS45	787	ITS-316	184	JA165	518
HVFF12-10	367	IBCHAS0602NPS	89	IS5	786	ITS-34	184	JA165SS	518
HVFF12-12	367	IBCHAS060NPSM2	89	IS60	789	ITS-34-18SWG	184	JA2	113
HVFS6-01	367	IBCHAS060S1008	89	IS70	789	ITS-38	184	JA3	113
HVFS6-02	367	IBCHAS060X34BSP	89	IS75	784	ITS-516	184	JA4	113
HVFS6-03	367	IBCHCS6061	89	IS77	787	ITS-58	184	JALL112	95
HVFS8-01	367	IBCHCS606112	89	IS80	789	ITS-78-16SWG	184	JALL114	95
HVFS8-02	367	IBCHCS606114	89	IS9	786	J		JALL2	95
HVFS8-03	367	IBCHCS6062	89	IS91	788	J0002	674	JALL212	95
HVIS06-100	427	IBCHDS060112BSP	89	IS92	788	J000L1100	725	JALL3	95
HVIS06-30	427	IBCHDS0602BSP	89	IS93	788	J000L6-30	725	JALL4	95
HVIS06-50	427	IBCHDS0602NPS	89	ISCT-12	185	J000L6-60	725	JBGFL-10	724
HVIS08-100	427	IBR10-50	433	ISCT-14	185	J000L8-30	725	JBRFL-10	724
HVIS08-30	427	IBR10-75	433	ISCT-38	185	J0250	674	JBYFL-10	724
HVIS08-50	427	IBR12-50	433	ISCT-38-22SWG	185	J0312	674	JDA-01	654
HVIS10-100	427	IBR12-75	433	IT128-112L	599	J0437	674	JG-12	691
HVIS10-30	427	ICT-12	184	IT128-112T	599	J0787	674	JG-50	691
HVIS10-50	427	ICT-12/30	184	IT128-114L	599	J100	668	JG-BS15	306
HVIS12-100	427	ICT-12/30-18SWG	184	IT128-114T	599	J1000-DPL02USB	724	JG-L-WSK	301
HVIS12-30	427	ICT-14	184	IT128-12L	599	J100TDG	669	JG-TSP	301
HVIS12-50	427	ICT-14/30	184	IT128-12T	599	J10304022	670	JG603B	305
HVSS-01-01	367	ICT-14/30-20SWG	184	IT128-14L	599	J10304024	670	JGWALLBOX 1/2	301
HVSS-02-01	367	ICT-18	184	IT128-14T	599	J1181	674	JGWALLBOX 3/4	301
HVSS-02-02	367	ICT-18/30	184	IT128-1L	599	J1373	674	JHT100	515
HVSS-02-03	367	ICT-316	184	IT128-1T	599	J1500450	670	JHT120	515
HVSS-03-03	367	ICT-316/30	184	IT128-2L	599	J1500451	670	JHT140	515
HVSS-04-03	367	ICT-34	184	IT128-2T	599	J1574	674	JHT160	515
HVSS-04-04	367	ICT-38	184	IT128-34L	599	J1581400	657	JHT180	515
HW100	498	ICT-38/30	184	IT128-34T	599	J1700512	689	JHT200	515
HW101	781	ICT-38/30-18SWG	184	IT128-38L	599	J1700524	689	JHT220	515
HW111	781	ICT-516	184	IT128-38T	599	J1703001	669	JHT240	515
HWR-1220	494	ICT-516/30	184	IT145-1	599	J1708001	671	JHT260	515
HYD.ELG	658	ICT-58	184	IT145-112	599	J1708001	689	JHT280	515
HYD.GK	658	ICT-58/30	184	IT145-114	599	J1708003	671	JHT300	515
HYDB	114	IF-14	630	IT145-12	599	J1785701	689	JHT320	515
HYDK	114	IG400	726	IT145-2	599	J1786004	689	JHT340	515
HYDKB	114	ILF-14	630	IT145-34	599	J1786501	689	JHT35	515
HYDRA.HSHD	658	ILF-38	630	IT145-38	599	J1789021	652	JHT360	515
HYGWASH-GUN	558	ILR-14	630	ITM-CFIX300	809	J1789022-1	652	JHT380	515
HYGWASH-GUNG	558	IMC14-6	165	ITM-EBARK	810	J1789023-1	652	JHT40	515
HYGWASH-GUNR	558	IMC38-10	165	ITM-MSEAL300	809	J18133502	652	JHT400	515
I		IPGH050	843	ITM2001-50	810	J18312002-1	652	JHT420	515
IA12-F	74	IPGM	843	ITM241F-20	810	J1968	674	JHT440	515
IA25-F	74	IPGP	843	ITM241F-50	810	J2	690	JHT45	515
IA32-F	74	IPPClip-1	340	ITM243-10	810	J2000R	725	JHT480	515
IBC-SEAL	89	IPPClip-112	340	ITM243-50	810	J2362	674	JHT50	515
IBC2NPS	89	IPPClip-114	340	ITM270-10	810	J2500-HLI	725	JHT500	515
IBCAS10083	89	IPPClip-12	340	ITM270-50	810	J2653	663	JHT70	515
IBCAS6061	89	IPPClip-2	340	ITM403TB-20	810	J300S	668	JHT80	515
IBCAS606112	89	IPPClip-212	340	ITM542-10	810	J4175	663	JHT95	515

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Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
K-MI220-38N	261	K-MI241-114-38	262	K-MI245-112-1N	258	K-MI291-12	263	K-MI310-2N	263		0
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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	K-MI90-112-1N	260	K-MI90-34-38N	260	KA-35-40-10	589	KC200-06	627	KFCS400-15-A-F-3	621
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7	K-MI90-114-12N	260	K-MI90-4	259	KA-59-00-10	584	KCAS300-15-A-F-3	626	KFRS200-08-F-3	622
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9	K-MI90-114-34	260	K-MI90-4-112N	260	KA-62-33-00	584	KCAS400-15-A-F-3	626	KFRS300-08-F-3	622
A	K-MI90-114-34N	260	K-MI90-4-114	260	KA-68-20-19	584	KCAS400-15-F-3	626	KFRS300-10-A-F-3	622
B	K-MI90-114-38	260	K-MI90-4-114N	260	KA-68-25-05	584	KCS200-06-F-3	620	KFRS300-10-F-3	622
C	K-MI90-114-38N	260	K-MI90-4-2	260	KA-92-10-30	584	KCS200-08-F-3	620	KFRS300-15-A-F-3	622
D	K-MI90-114N	259	K-MI90-4-212	260	KA-92-15-50	584	KCS300-08-A-F-3	620	KFRS300-15-F-3	622
E	K-MI90-12	259	K-MI90-4-212N	260	KA200-06	628	KCS300-08-F-3	620	KFRS400-10-A-F-3	622
F	K-MI90-12-14	260	K-MI90-4-2N	260	KA200-08	628	KCS300-10-A-F-3	620	KFRS400-10-F-3	622
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H	K-MI90-12-38	260	K-MI90-4-3N	260	KA201-P1	628	KCS300-15-A-F-3	620	KFRS400-15-F-3	622
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J	K-MI90-12N	259	K-MI92-1	259	KA300-10	628	KCS400-10-A-F-3	620	KFRS600-20-F-3	622
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L	K-MI90-14N	259	K-MI92-112N	259	KA301-P1	628	KCS400-15-A-F-3	620	KFRS600-25-F-3	622
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N	K-MI90-2	259	K-MI92-114N	259	KA400-15	628	KCS600-20-A-F-3	620	KFS200-08	625
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S	K-MI90-2-114N	260	K-MI92-1N	259	KA600U-P1	628	KELM-06MMBOX-OTP	370	KFS300-15	625
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V	K-MI90-2-1N	260	K-MI92-212N	259	KAG12	107	KELM-08MMBOX-OTP	370	KFS400-10-A	625
W	K-MI90-2-34	260	K-MI92-2N	259	KAG14	107	KELM-08MMBOX-P	361	KFS400-15	625
X	K-MI90-2-34N	260	K-MI92-3	259	KAG34	107	KELM-10MMBOX-M	383	KFS400-15-A	625
Y	K-MI90-212	259	K-MI92-34	259	KAG38	107	KELM-10MMBOX-OTP	370	KFS600-20	625
Z	K-MI90-212-1	260	K-MI92-34N	259	KAG54	107	KELM-10MMBOX-P	361	KFS600-20-A	625
	K-MI90-212-112	260	K-MI92-38	259	KASS10	108	KEY2	92	KFS600-25	625
	K-MI90-212-112N	260	K-MI92-38N	259	KASS12	108	KEY3	92	KFS600-25-A	625
	K-MI90-212-114	260	K-MI92-3N	259	KASS34	108	KEY4	92	KG40-10R	629
	K-MI90-212-114N	260	K-MI92-4	259	KASV-SSP-1-NC	213	KF200-004-1	629	KG50-10R	629
	K-MI90-212-12	260	K-MI92-4N	259	KASV-SSP-1-NO	213	KF200-004-2	629	KGA-1/4	629
	K-MI90-212-12N	260	K-PRO10B-P1	629	KASV-SSP-112-NC	213	KF200-P3	629	KGA-1/8	629
	K-MI90-212-1N	260	K10	754	KASV-SSP-112-NO	213	KF200-P6	629	KHB3K-G1	607
	K-MI90-212-2	260	K13	754	KASV-SSP-114-NC	213	KF300-004-1	629	KHB3K-G1-LK	607
	K-MI90-212-2N	260	K16	754	KASV-SSP-114-NO	213	KF300-004-2	629	KHB3K-G1/2	607
	K-MI90-212-34	260	K20	754	KASV-SSP-12-NC	213	KF300-P4	629	KHB3K-G1/2-LK	607
	K-MI90-212-34N	260	K24	657	KASV-SSP-12-NO	213	KF300-P5	629	KHB3K-G1/4	607
	K-MI90-212N	259	K24.AB	657	KASV-SSP-2-NC	213	KF300-P6	629	KHB3K-G1/4-LK	607
	K-MI90-2N	259	K24.BATTERY	657	KASV-SSP-2-NO	213	KF400-004-1	629	KHB3K-G11/2	607
	K-MI90-3	259	K25	754	KASV-SSP-212-NC	213	KF400-004-2	629	KHB3K-G11/2-LK	607
	K-MI90-3-1	260	K3	690	KASV-SSP-212-NO	213	KF400-P10	629	KHB3K-G11/4	607
	K-MI90-3-112	260	K30	754	KASV-SSP-34-NC	213	KF400-P11	629	KHB3K-G11/4-LK	607
	K-MI90-3-112N	260	K32	690	KASV-SSP-34-NO	213	KF400-P9	629	KHB3K-G3/4	607
	K-MI90-3-114	260	K36	754	KASV-SSP-38-NC	213	KF600-004-1	629	KHB3K-G3/4-LK	607
	K-MI90-3-114N	260	K40	690	KASV-SSP-38-NO	213	KF600-004-2	629	KHB3K-G3/8	607
	K-MI90-3-1N	260	K6	690	KASV-SSSS-1-NC	213	KF600-P1	629	KHB3K-G3/8-LK	607
	K-MI90-3-2	260	K7	689	KASV-SSSS-1-NO	213	KF600-P2	629	KHB3T-G1	607
	K-MI90-3-212	260	K8	754	KASV-SSSS-112-NC	213	KF600-P3	629	KHB3T-G1-LK	607
	K-MI90-3-212N	260	KA-03-94-76	582	KASV-SSSS-114-NC	213	KFCS200-06-F-3	621	KHB3T-G1/2	607
	K-MI90-3-2N	260	KA-03-94-79	582	KASV-SSSS-12-NC	213	KFCS200-08-F-3	621	KHB3T-G1/2-LK	607
	K-MI90-3-34	260	KA-15-00-07F	582	KASV-SSSS-12-NO	213	KFCS300-08-A-F-3	621	KHB3T-G1/4	607
	K-MI90-3-34N	260	KA-15-20-00	112	KASV-SSSS-2-NC	213	KFCS300-08-F-3	621	KHB3T-G1/4-LK	607
	K-MI90-34	259	KA-15-20-09	112	KASV-SSSS-2-NO	213	KFCS300-10-A-F-3	621	KHB3T-G11/2	607
	K-MI90-34-12	260	KA-15-20-12	112	KASV-SSSS-212-NC	213	KFCS300-10-F-3	621	KHB3T-G11/2-LK	607
	K-MI90-34-12N	260	KA-32-40-24-AC	589	KASV-SSSS-34-NC	213	KFCS300-15-A-F-3	621	KHB3T-G11/4	607
	K-MI90-34-14	260	KA-35-20-10-MF	589	KASV-SSSS-34-NO	213	KFCS300-15-F-3	621	KHB3T-G11/4-LK	607
	K-MI90-34-14N	260	KA-35-25-05	589	KASV-SSSS-38-NC	213	KFCS400-10-A-F-3	621	KHB3T-G3/4	607
	K-MI90-34-38	260	KA-35-25-12	589	KASV-SSSS-38-NO	213	KFCS400-10-F-3	621	KHB3T-G3/4-LK	607

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
KHB3T-G3/8	607	L133B07-34-230	604	L182V09-38-23050	214	LBS-63N	440	LE-1025U06R17	442
KHB3T-G3/8-LK	607	L133B07-34-24	604	L182V09-38-24	214	LCRB2	100	LE-1025U08R01	442
KIG10	107	L133B07-34-2450	604	L182V09-38-2450	214	LCRB33	100	LE-1025U08R04	442
KIG12	107	L145R2-1-110	604	L280B48-112-110	603	LCRB3312	100	LE-1025U08R08	442
KIG14	107	L145R2-1-230	604	L280B48-112-230	603	LCRB4	100	LE-1025U08R12	442
KIG34	107	L145R2-12-110	604	L280B48-112-24	603	LCRB5	100	LE-1025U08R13	442
KIG38	107	L145R2-12-230	604	L280B48-112-2450	603	LCRB6	100	LE-1025U08R14	442
KIG54	107	L145R2-12-24	604	L280B48-2-110	603	LCRB8	100	LE-1025U08R17	442
KISS10	108	L145R4-34-110	604	L280B48-2-230	603	LD04-1	738	LE-1025U10R01	442
KISS12	108	L145R4-34-230	604	L280B48-2-24	603	LD10-1	738	LE-1025U10R04	442
KISS34	108	L153D07-12-110	605	L280B48-2-2450	603	LD10/10K	143	LE-1025U10R08	442
KLS200-06	624	L153D07-12-230	605	L282B01-1-110	603	LD13-1	738	LE-1025U10R14	442
KLS200-08	624	L153D07-12-24	605	L282B01-1-230	603	LD13/13K	143	LE-1025U12R01	442
KLS300-08	624	L153D07-34-110	605	L282B01-1-24	603	LD13/17K	143	LE-1025U12R04	442
KLS300-10	624	L153D07-34-230	605	L282B01-1-2450	603	LD17/17K	143	LE-1025U12R08	442
KLS300-15	624	L153D07-34-24	605	L282B01-12-110	603	LD20-1	738	LE-1025U12R14	442
KLS400-10	624	L153D5-1-110	605	L282B01-12-230	603	LD21/21K	143	LE-1025U14R0495	442
KLS400-15	624	L153D5-1-230	605	L282B01-12-24	603	LD26/26K	143	LE-1025U14R0895	442
KLS600-20	624	L153D5-1-24	605	L282B01-12-2450	603	LD33/33K	143	LE-1100U03A01	442
KLS600-25	624	L172V03-18-110	604	L282B01-34-110	603	LD40-1	738	LE-1100U06A01	442
KM0228E	299	L172V03-18-230	604	L282B01-34-230	603	LDF21/21K	143	LE-1100U08A01	442
KM062822E	300	L172V03-18-24	604	L282B01-34-24	603	LDF26/26K	143	LE-1100U10A01	442
KM10WN	135	L172V03-18-2450	604	L282B01-34-2450	603	LDF33/33K	143	LE-4020 56 00W	405
KM13WN	135	L172V07-18-11050	214	L282B01-38-110	603	LDF42/42K	143	LE-4020 60 00W	405
KM17WN	135	L172V07-18-23050	214	L282B01-38-230	603	LDF48/48K	143	LE-4021 56 14W	405
KM21WN	135	L172V07-18-24	214	L282B01-38-24	603	LDF52/52K	143	LE-4021 60 18W	405
KM26WN	135	L172V07-18-2450	214	L282B01-38-2450	603	LDL-RW	554	LE-4022 56 14W	405
KMF	657	L176V07-14-11050	214	L282V09-1-11050	214	LDP04/025	443	LE-4022 60 18W	405
KPMB40R	629	L176V07-14-23050	214	L282V09-1-23050	214	LDP05/030	443	LE-4023 60 22W	405
KPMB50R	629	L176V07-14-24	214	L282V09-1-24	214	LDP06/040	443	LE-60007100	442
KRS200-06	623	L176V07-14-2450	214	L282V09-1-2450	214	LDP08/060	443	LE-6302 04 00W	407
KRS200-06-F-3	623	L180B48-112-110	603	L282V09-12-11050	214	LDP10/080	443	LE-6302 06 00W	407
KRS200-08	623	L180B48-112-230	603	L282V09-12-23050	214	LDP12/100	443	LE-6302 08 00W	407
KRS200-08-F-3	623	L180B48-112-24	603	L282V09-12-24	214	LDPVC102-10	489	LE-6302 10 00W	407
KRS300-08-F-3	623	L180B48-112-2450	603	L282V09-12-2450	214	LDPVC115-10	489	LE-6302 12 00W	407
KRS300-10-F-3	623	L180B48-2-110	603	L282V09-34-11050	214	LDPVC127-10	489	LE-6302 56 00W	404
KRS300-15-F-3	623	L180B48-2-230	603	L282V09-34-23050	214	LDPVC152-10	489	LE-6302 60 00W	404
KRS400-10-F-3	623	L180B48-2-24	603	L282V09-34-24	214	LDPVC2-10	489	LE-6302 62 00W	404
KRS400-15-F-3	623	L180B48-2-2450	603	L282V09-34-2450	214	LDPVC35-10	489	LE-6303 56 14W	404
KRS600-20-F-3	623	L182D01-1-110	603	L282V09-38-11050	214	LDPVC38-10	489	LE-6303 56 18W	404
KRS600-25-F-3	623	L182D01-1-230	603	L282V09-38-23050	214	LDPVC45-10	489	LE-6303 60 18W	404
KTC-1	434	L182D01-1-24	603	L282V09-38-24	214	LDPVC51-10	489	LE-6303 62 18W	404
KU20	817	L182D01-1-2450	603	L282V09-38-2450	214	LDPVC57-10	489	LE-6303 62 22W	404
KZ200-06	627	L182D01-12-110	603	L321B02C-14-110	604	LDPVC63-10	489	LE-6304 04 00W	406
KZ200-08	627	L182D01-12-230	603	L321B02C-14-230	604	LDPVC76-10	489	LE-6304 06 00W	406
KZ300-08	627	L182D01-12-24	603	L321B02C-14-24	604	LDPVC80-10	489	LE-6304 08 00W	406
KZ300-10	627	L182D01-12-2450	603	L321B02C-14-2450	604	LDPVC89-10	489	LE-6304 10 00W	406
KZ300-15	627	L182D01-34-110	603	L372V03-18-110	604	LDSRAH06X0.6	455	LE-6304 56 00W	403
KZ400-10	627	L182D01-34-230	603	L372V03-18-230	604	LDSRAH10X0.6	455	LE-6304 60 00W	403
KZ400-15	627	L182D01-34-24	603	L372V03-18-24	604	LDSRAH10X0.6-19	455	LE-6304 60 56W	403
<b>L</b>		L182D01-34-2450	603	L372V03-18-2450	604	LDSRAH10X0.6-XF	455	LE-6304 62 00W	403
L121V02-14-110	604	L182D01-38-110	603	L633.4/005X10	473	LDSRAH13X0.6	455	LE-6305 56 14W	403
L121V02-14-230	604	L182D01-38-230	603	L633.4/005X40	473	LE-0631 00 23	738	LE-6305 62 22W	403
L121V02-14-24	604	L182D01-38-24	603	L633.4/006X10	473	LE-0653 02 13	738	LE-6306 04 00W	407
L121V02-14-2450	604	L182D01-38-2450	603	L633.4/006X40	473	LE-1025U04R01	442	LE-6306 06 00W	407
L133B01-38-110	604	L182V09-1-11050	214	L633.4/008X10	473	LE-1025U04R04	442	LE-6306 08 00W	407
L133B01-38-230	604	L182V09-1-23050	214	L633.4/008X40	473	LE-1025U04R08	442	LE-6306 10 00W	407
L133B01-38-24	604	L182V09-1-24	214	L633.4/010X10	473	LE-1025U04R12	442	LE-6306 12 00W	407
L133B01-38-2450	604	L182V09-1-2450	214	L633.4/010X40	473	LE-1025U04R13	442	LE-6306 56 00W	404
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L133B07-12-110	604	L182V09-34-11050	214	L633.4/019X10	473	LE-1025U06R04	442	LE-6308 56 11W	404
L133B07-12-230	604	L182V09-34-23050	214	L633.4/019X40	473	LE-1025U06R08	442	LE-6308 56 14W	404
L133B07-12-24	604	L182V09-34-24	214	LABT	738	LE-1025U06R12	442	LE-6308 56 18W	404
L133B07-12-2450	604	L182V09-34-2450	214	LBS-120	440	LE-1025U06R13	442	LE-6308 60 14W	404
L133B07-34-110	604	L182V09-38-11050	214	LBS-25	440	LE-1025U06R14	442	LE-6308 60 18W	404

	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	LE-6308 62 18W	404	LE-6379 56 18W	403	LE-6521 08 17W	406	LL45B4	102	LLFEC6	101
1	LE-6308 62 22W	404	LE-6379 60 14W	403	LE-6521 10 13W	406	LL45B5	102	LLFEC8	101
2	LE-6309 56 11W	403	LE-6379 60 18W	403	LE-6521 10 17W	406	LL45B6	102	LLFF10	104
3	LE-6309 56 14W	403	LE-6382 04 00W	407	LE-6521 10 21W	406	LL45B8	102	LLFF12	104
4	LE-6309 56 18W	403	LE-6382 06 00W	407	LE-6521 12 17W	406	LL45FF4	102	LLFFD2	100
5	LE-6309 60 14W	403	LE-6382 08 00W	407	LE-6521 12 21W	406	LL45FF6	102	LLFFD33	100
6	LE-6309 60 18W	403	LE-6382 10 00W	407	LE-6579 06 10W	406	LL45MF4	102	LLFFD3312	100
7	LE-6309 62 18W	403	LE-6382 12 00W	407	LE-6579 06 13W	406	LL45MF6	102	LLFFD4	100
8	LE-6309 62 22W	403	LE-6382 56 00W	404	LE-6579 06 17W	406	LL90B10	104	LLFFD6	100
9	LE-6315 06 10W	406	LE-6382 60 00W	404	LE-7992 56 00W	405	LL90B12	104	LLFFD8	100
A	LE-6315 06 13W	406	LE-6382 62 00W	404	LE-7992 60 00W	405	LL90B2	103	LLFFE162	100
B	LE-6315 08 13W	406	LE-6388 04 00W	407	LE05P	551	LL90B33	103	LLFFE16333	100
C	LE-6315 08 17W	406	LE-6388 06 00W	407	LE17P	551	LL90B3312	103	LLFFE163312	100
D	LE-6315 56 14W	403	LE-6388 08 00W	407	LE19P	551	LL90B4	103	LLFFE164	100
E	LE-6315 60 18W	403	LE-6388 10 00W	407	LE65P	551	LL90B5	103	LLFFE1646	100
F	LE-6316 04 00W	407	LE-6388 56 00W	404	LEDT102	727	LL90B6	103	LLFFE165	100
G	LE-6316 06 00W	407	LE-6388 60 00W	404	LEMPVC19G	814	LL90B8	103	LLFFE166	100
H	LE-6316 08 00W	407	LE-6388 62 00W	404	LEMPVC19GY	814	LL90FF2TD	103	LLFFE168	100
I	LE-6316 10 00W	407	LE-6503 06 10W	406	LEMPVC25B	814	LL90FF33	103	LLFM233	102
J	LE-6316 12 00W	407	LE-6503 06 13W	406	LEMPVC25BR	814	LL90FF3312	103	LLFM23312	102
K	LE-6316 56 00W	404	LE-6503 06 17W	406	LEMPVC25G	814	LL90FF4	103	LLFM33122	101
L	LE-6316 60 00W	404	LE-6503 08 10W	406	LF08	127	LL90FF4TD	103	LLFM331233	101
M	LE-6316 62 00W	404	LE-6503 08 13W	406	LF12	127	LL90FF6	103	LLFM33124	102
N	LE-6321 56 11W	404	LE-6503 08 17W	406	LF12/08	127	LL90FF8	103	LLFM332	101
O	LE-6321 56 14W	404	LE-6503 10 13W	406	LF16	127	LL90MF33	103	LLFM333312	102
P	LE-6321 60 14W	404	LE-6503 10 17W	406	LF16/12	127	LL90MF3312	103	LLFM334	102
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R	LE-6321 62 18W	404	LE-6503 12 17W	406	LF24	127	LL90MF4	103	LLFM43312	101
S	LE-6321 62 22W	404	LE-6503 12 21W	406	LF32	127	LL90MF4TD	103	LLFM45	102
T	LE-6322 56 56W	405	LE-6505 04 10W	406	LF48	127	LL90MF6	103	LLFM46	102
U	LE-6322 60 08W	405	LE-6505 04 13W	406	LF64	127	LL90MF6TD	103	LLFM54	101
V	LE-6322 60 56W	405	LE-6505 06 10W	406	LFC-1	458	LL90MF8	103	LLFM56	102
W	LE-6322 60 60W	405	LE-6505 06 13W	406	LFC-112	458	LLC2	97	LLFM64	101
X	LE-6322 62 60W	405	LE-6505 08 10W	406	LFC-114	458	LLC2OROR	97	LLFM65	101
Y	LE-6325 56 133W	403	LE-6505 08 13W	406	LFC-2	458	LLC33	97	LLFM68	102
Z	LE-6325 60 133W	403	LE-6505 08 17W	406	LFC-212	458	LLC3312	97	LLFM86	101
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	LE-6326 06 00W	407	LE-6505 10 17W	406	LFC-4	458	LLC4	97	LLFT12	104
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	LE-6326 10 00W	407	LE-6505 12 17W	406	LFH112-10	458	LLC5	97	LLFT33	99
	LE-6326 12 00W	407	LE-6505 12 21W	406	LFH112-100	458	LLC6	97	LLFT3312	99
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	LE-6326 60 00W	405	LE-6508 06 13W	406	LFH114-100	458	LLC8OROR	97	LLFT5	99
	LE-6326 62 00W	405	LE-6508 06 17W	406	LFH2-10	458	LLCR2	99	LLFT6	99
	LE-6340 04 00W	407	LE-6508 08 10W	406	LFH2-100	458	LLCR33	99	LLFT8	99
	LE-6340 06 00W	407	LE-6508 08 13W	406	LFH212-10	458	LLCR3312	99	LLFVSHT12	103
	LE-6340 08 00W	407	LE-6508 08 17W	406	LFH212-100	458	LLCR4	99	LLFVSHT2	103
	LE-6340 10 00W	407	LE-6508 10 13W	406	LFH3-10	458	LLCR5	99	LLFVSHT3	103
	LE-6340 12 00W	407	LE-6508 10 17W	406	LFH3-100	458	LLCR6	99	LLFVSHT4	103
	LE-6340 56 00W	404	LE-6508 10 21W	406	LFH4-10	458	LLCR8	99	LLFVSHT5	103
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	LE-6340 62 00W	404	LE-6508 12 21W	406	LFH6-10	458	LLF333URTF	100	LLFVSHT8	103
	LE-6351 04 00W	407	LE-6509 06 10W	406	LFH6-100	458	LLF44URTF	100	LLFVSM2	103
	LE-6351 06 00W	407	LE-6509 06 13W	406	LFH8-10	458	LLF44URTM	100	LLFVSM33	103
	LE-6351 08 00W	407	LE-6509 06 17W	406	LFH8-100	458	LLFBSP112	100	LLFVSM3312	103
	LE-6351 10 00W	407	LE-6509 08 10W	406	LFHRC12/12	127	LLFBSP2	100	LLFVSM4	103
	LE-6351 12 00W	407	LE-6509 08 13W	406	LL30B2	102	LLFBSP212	100	LLFVSM5	103
	LE-6351 56 00W	404	LE-6509 08 17W	406	LL30B3	102	LLFBSP33	100	LLFVSM6	103
	LE-6351 60 00W	404	LE-6509 10 13W	406	LL30B33	102	LLFBSP3312	100	LLFVSM8	103
	LE-6366 04 06W	407	LE-6509 10 17W	406	LL30B4	102	LLFBSP4	100	LLFWE10	104
	LE-6366 06 08W	407	LE-6509 10 21W	406	LL30B5	102	LLFBSP5	100	LLFWE12	104
	LE-6366 08 10W	407	LE-6509 12 17W	406	LL30B6	102	LLFBSP6	100	LLFWE2	100
	LE-6366 10 12W	407	LE-6509 12 21W	406	LL30B8	102	LLFBSP8	100	LLFWE33	100
	LE-6366 12 14W	407	LE-6521 06 10W	406	LL45B10	104	LLFEC2	101	LLFWE3312	100
	LE-6366 56 08W	404	LE-6521 06 13W	406	LL45B12	104	LLFEC33	101	LLFWE4	100
	LE-6366 56 60W	404	LE-6521 06 17W	406	LL45B2	102	LLFEC3312	101	LLFWE5	100
	LE-6366 60 62W	404	LE-6521 08 10W	406	LL45B33	102	LLFEC4	101	LLFWE6	100
	LE-6379 56 14W	403	LE-6521 08 13W	406	LL45B3312	102	LLFEC5	101	LLFWE8	100



Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	
LLGP2	103	LLOR33	99	LLTMMF6	101	LLZD-LLMWE3312	105	LN02	154	0
LLGP3312	103	LLOR3312	99	LLTMMF8	101	LLZD-LLMWE4	105	LN02NPN	136	1
LLGP4	103	LLOR4	99	LLYFFM2	101	LLZD-LLMWE5	105	LN02NP	154	2
LLGP6	103	LLOR5	99	LLYFFM3	101	LLZD-LLMWE6	105	LN04	154	3
LLGP8	103	LLOR6	99	LLYFFM3312	101	LLZD-LLMWE8	105	LN04NP	136	4
LLM44URTF	99	LLOR8	99	LLYFFM4	101	LLZD-MZFF108	105	LN04NP	154	5
LLM44URTM	99	LLOROR2	99	LLYFFM6	101	LLZD-MZFF133	105	LN06	154	6
LLMBSP112	99	LLOROR33	99	LLYMMF2	101	LLZD-MZFF159	105	LN06NP	136	7
LLMBSP2	99	LLOROR3312	99	LLYMMF33	101	LLZD-MZFF194	105	LN06NP	154	8
LLMBSP212	99	LLOROR4	99	LLYMMF3312	101	LLZD-MZFF89	105	LN08	154	9
LLMBSP33	99	LLOROR5	99	LLYMMF4	101	LLZD-MZLLM108	105	LN08NP	136	A
LLMBSP3312	99	LLOROR6	99	LLYMMF6	101	LLZD-MZLLM133	105	LN08NP	154	B
LLMBSP4	99	LLOROR8	99	LLZD-LL90B2	106	LLZD-MZLLM159	105	LN10	154	C
LLMBSP5	99	LLSS4	103	LLZD-LL90B33	106	LLZD-MZLLM194	105	LN12	154	D
LLMBSP6	99	LLSS6	103	LLZD-LL90B3312	106	LLZD-MZLLM89	105	LN12NP	136	E
LLMBSP8	99	LLSSFBS2	98	LLZD-LL90B4	106	LLZDUTY-LLC2	97	LN12NP	154	6
LLMEC10	104	LLSSFBS33	98	LLZD-LL90B5	106	LLZDUTY-LLC3	97	LN16	154	7
LLMEC12	104	LLSSFBS3312	98	LLZD-LL90B6	106	LLZDUTY-LLC3312	97	LN16NP	136	8
LLMEC2	101	LLSSFBS4	98	LLZD-LL90B8	106	LLZDUTY-LLC4	97	LN16NP	154	9
LLMEC33	101	LLSSFBS5	98	LLZD-LLC4	105	LLZDUTY-LLC6	97	LN20	154	A
LLMEC3312	101	LLSSFBS6	98	LLZD-LLCR2	105	LLZDUTY-LLC8	97	LN24	154	B
LLMEC4	101	LLSSFEC3312	98	LLZD-LLCR33	105	LM010411	393	LN32	154	C
LLMEC5	101	LLSSFEC4	98	LLZD-LLCR3312	105	LM0104M3	393	LNM12	154	D
LLMEC6	101	LLSSFEC6	98	LLZD-LLCR5	105	LM0104M5	393	LNM14	154	E
LLMEC8	101	LLSFT2	98	LLZD-LLCR6	105	LM0203E	393	LNM15	154	F
LLMF10	104	LLSFT3312	98	LLZD-LLCR8	105	LM0303E	393	LNM15NP	136	G
LLMF12	104	LLSFT4	98	LLZD-LLFBSP2	105	LM0403E	394	LNM15NP	154	H
LLMFD2	100	LLSFT6	98	LLZD-LLFBSP212	105	LM0903M3	396	LNM16	154	I
LLMFD33	100	LLSFT8	98	LLZD-LLFBSP33	105	LM0904M3	396	LNM18	154	J
LLMFD3312	100	LLSFPWE2	98	LLZD-LLFBSP4	105	LM0904M5	396	LNM20	154	K
LLMFD4	100	LLSFPWE33	98	LLZD-LLFBSP5	105	LM16	127	LNM20NP	136	L
LLMFD46	100	LLSFPWE3312	98	LLZD-LLFBSP6	105	LM32	127	LNM20NP	154	M
LLMFD5	100	LLSFPWE4	98	LLZD-LLFBSP8	105	LM48	127	LNM24	154	N
LLMFD6	100	LLSFPWE6	98	LLZD-LLFEC2	106	LMBE	779	LNM24NP	136	O
LLMFD8	100	LLSSMBSP2	98	LLZD-LLFEC33	106	LMBK	779	LNM24NP	154	P
LLMFE162	100	LLSSMBSP33	98	LLZD-LLFEC3312	106	LMC-1	458	LNM26NP	136	Q
LLMFE1633	100	LLSSMBSP3312	98	LLZD-LLFEC4	106	LMC-1000-1312SE	219	LNM26NP	154	R
LLMFE163312	100	LLSSMBSP4	98	LLZD-LLFEC5	106	LMC-112	458	LNM28	154	S
LLMFE164	100	LLSSMEC2	98	LLZD-LLFEC6	106	LMC-114	458	LNM28NP	136	T
LLMFE1646	100	LLSSMEC33	98	LLZD-LLFEC8	106	LMC-2	458	LNM28NP	154	U
LLMFE165	100	LLSSMEC3312	98	LLZD-LLFWE2	106	LMC-212	458	LNM30	154	V
LLMFE166	100	LLSSMEC4	98	LLZD-LLFWE33	106	LMC-250-437SE	219	LNM34	154	W
LLMFE168	100	LLSSMEC5	98	LLZD-LLFWE3312	106	LMC-3	458	LNM45	154	X
LLMSSPIN133	102	LLSSMEC6	98	LLZD-LLFWE4	106	LMC-312-500SE	219	LOC-1266117	803	Y
LLMSSPIN159194	102	LLSSMT2	98	LLZD-LLFWE5	106	LMC-375-562SE	219	LOC-1295164	808	Z
LLMSSPIN50	102	LLSSMT33	98	LLZD-LLFWE6	106	LMC-4	458	LOC-1299454	808	
LLMSSPIN76	102	LLSSMT3312	98	LLZD-LLFWE8	106	LMC-5	458	LOC-135278	802	
LLMSSPIN89108	102	LLSSMT4	98	LLZD-LLGP2	106	LMC-500-750SE	219	LOC-135279	802	
LLMT10	104	LLSSMT6	98	LLZD-LLGP3312	106	LMC-625-875SE	219	LOC-135280	805	
LLMT12	104	LLSSMT8	98	LLZD-LLGP4	106	LMC-750-1062SE	219	LOC-135428	804	
LLMT2	99	LLSSMWE2	98	LLZD-LLGP5	106	LMC-875-1187SE	219	LOC-135483	803	
LLMT33	99	LLSSMWE3312	98	LLZD-LLGP6	106	LMGN	779	LOC-135491	808	
LLMT3312	99	LLSSMWE4	98	LLZD-LLGP8	106	LMRD	779	LOC-135522	806	
LLMT4	99	LLSSMWE6	98	LLZD-LLMBSP2	105	LMTS04	396	LOC-1379599	804	
LLMT5	99	LLSSOROR2	98	LLZD-LLMBSP212	105	LMW	779	LOC-142517	804	
LLMT6	99	LLSSOROR33	98	LLZD-LLMBSP33	105	LMY	779	LOC-1545634	805	
LLMT8	99	LLSSOROR3312	98	LLZD-LLMBSP4	105	LN-1	202	LOC-1546952	808	
LLMWE12	104	LLSSOROR4	98	LLZD-LLMBSP5	105	LN-112	202	LOC-1546964	805	
LLMWE2	100	LLSSOROR6	98	LLZD-LLMBSP6	105	LN-114	202	LOC-1684617	806	
LLMWE33	100	LLSSOROR8	98	LLZD-LLMBSP8	105	LN-12	202	LOC-1778011	804	
LLMWE3312	100	LLTMFF2	101	LLZD-LLMEC2	106	LN-14	202	LOC-1808110	806	
LLMWE4	100	LLTMFF4	101	LLZD-LLMEC33	106	LN-18	202	LOC-195678	804	
LLMWE5	100	LLTMFF6	101	LLZD-LLMEC3312	106	LN-2	202	LOC-195814	807	
LLMWE6	100	LLTMMF2	101	LLZD-LLMEC4	106	LN-212	202	LOC-2237457	804	
LLMWE8	100	LLTMMF33	101	LLZD-LLMEC5	106	LN-3	202	LOC-229139	803	
LLOR10	104	LLTMMF3312	101	LLZD-LLMEC6	106	LN-34	202	LOC-229342	803	
LLOR12	104	LLTMMF4	101	LLZD-LLMEC8	106	LN-38	202	LOC-229360	805	
LLOR2	99	LLTMMF5	101	LLZD-LLMWE33	105	LN-4	202	LOC-229873	805	

	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	LOC-229875	805	LPH-14.5	535	LU-1240SS	684	M100/D	776	MAN-154.04	147
1	LOC-232515	802	LPH-16	535	LU-1250SS	684	M2-14	146	MAN-154.05	147
	LOC-233695	804	LPH-18	535	LU-1260	684	M22-CUFF-4	567	MAN-154.06	147
2	LOC-233733	808	LPH-19	535	LU-1270	684	M22-CUFF-5	567	MAN-154.22	147
	LOC-234228	807	LPH-19.5	535	LU-1290SS	684	M22-CUFF-6	567	MAN-154.33	147
3	LOC-234258	807	LPH-22	535	LU-1300	684	M24SBLA4850	292	MAN-154.44	147
	LOC-234458	808	LPH-23	535	LU-1310	684	M24SSIL4850	292	MAN-154.55	147
4	LOC-234573	805	LPH-25	535	LU-1320	684	M24SSIL7250	292	MAN-155.02	147
	LOC-234795	805	LPH-28	535	LU-1330	684	M24SSIL9650	292	MAN-155.06	147
5	LOC-234853	803	LPH-30	535	LU-1340SS	684	M24SWHI4850	292	MAN-155.22	147
	LOC-235330	807	LPH-33	535	LU-1350SS	684	M293GAS5025	292	MAN-156.02	147
6	LOC-248	802	LPH-38	535	LU-1360	685	M3-14	146	MAN-156.03	147
	LOC-260499	806	LPH-41	535	LU-1370	685	M600GAS3866	292	MAN-156.04	147
7	LOC-285628	808	LR022MS	515	LU-1380	685	M700WHI1212	292	MAN-156.05	147
	LOC-267380	802	LR022SS	515	LU-1390	685	M8090	663	MAN-156.06	147
8	LOC-267397	808	LR032MS	515	LU-1400	685	M9311	723	MAN-156.44	147
	LOC-267431	803	LR032SS	515	LU-1410	685	M9312	723	MAN-156.55	147
9	LOC-267432	803	LR040MS	515	LU-1420	685	M9313	723	MAN-157.02	147
A	LOC-267437	805	LR040SS	515	LU-1430	685	M9320	723	MAN-157.03	147
	LOC-267442	806	LR045SS	515	LU-1440	685	M9321	723	MAN-157.04	147
B	LOC-267452	807	LR050MS	515	LU-1450	685	M9322	723	MAN-157.05	147
	LOC-268	802	LR050SS	515	LU-1460	685	M9323	723	MAN-157.22	147
C	LOC-270153	292	LR060MS	515	LU-1470	685	M9336	723	MAN-157.33	147
	LOC-270153	808	LR060SS	515	LU-1480	685	M9337	723	MAN-157.44	147
D	LOC-272597	806	LR070MS	515	LU-1490	685	M9338	723	MAN-157.55	147
	LOC-272602	806	LR070SS	515	LU-1500	685	M9339	723	MAN12	114
E	LOC-297328	806	LR080MS	515	LU-1510	685	M9340	723	MAN20	114
	LOC-298392	806	LR080SS	515	LU-1520	685	MAG 10/25	90	MAN24	114
F	LOC-399422	807	LR090MS	515	LU-1530	685	MAG 20/50	90	MAN6	114
	LOC-480166	807	LR090SS	515	LU-1540	685	MAL1/2-75-IMP	441	MASTER-SIL-1-102	489
G	LOC-483283	292	LR100MS	515	LU-1550	685	MAL1/4-25-IMP	441	MASTER-SIL-1-127	489
	LOC-483283	808	LR100SS	515	LU-1560	685	MAL1/4-75-IMP	441	MASTER-SIL-1-152	489
H	LOC-503147	808	LR110MS	515	LU-1570	685	MAL10-25	441	MASTER-SIL-1-51	489
	LOC-504219	808	LR110SS	515	LU-1580	685	MAL12-25	441	MASTER-SIL-1-63	489
I	LOC-561	802	LR120MS	515	LU-1590	685	MAL3/8-75-IMP	441	MASTER-SIL-1-76	489
	LOC-599893	807	LR120SS	515	LU-1600	685	MAL6-25	441	MASTERPVC-102	489
J	LOC-760225	807	LR130MS	515	LU-1610	685	MAL8-25	441	MASTERPVC-25	489
	LOC-8065	802	LR130SS	515	LU-1620	685	MAN-145.2	147	MASTERPVC-32	489
K	LOC-871787	804	LR140MS	515	LU-1630	685	MAN-145.3	147	MASTERPVC-38	489
	LOK001	821	LR140SS	515	LU-1640	685	MAN-145.4	147	MASTERPVC-51	489
L	LOK007-L	821	LR150MS	515	LU-1650	685	MAN-145.8	147	MASTERPVC-63	489
	LOK008-L	821	LR150SS	515	LU-1660	685	MAN-151.02	147	MASTERPVC-76	489
M	LOK009-L	821	LR160MS	515	LU-1670	685	MAN-151.03	147	MB02/02	148
	LOK010-L	821	LR160SS	515	LU-1680	685	MAN-151.04	147	MB02/04	148
N	LOK011-L	821	LU-1000	684	LU-1690	685	MAN-151.05	147	MB02/06	148
	LOK014	821	LU-1010	684	LU-1700	685	MAN-151.06	147	MB02/08	148
O	LOK018	821	LU-1020	684	LU-1710	687	MAN-151.22	147	MB04/02	148
	LOK020-L	822	LU-1030	684	LU-1720	687	MAN-151.33	147	MB04/02/06	148
P	LOK023	821	LU-1040	684	LU-1730	687	MAN-151.44	147	MB04/02/08	148
	LOK024	821	LU-1050	684	LU-1740	687	MAN-151.55	147	MB04/04	148
Q	LOK026	821	LU-1060	684	LU-1750	687	MAN-152.02	147	MB04/06	148
	LOK029	822	LU-1070	684	LU-1760SS	687	MAN-152.03	147	MB04/08	148
R	LOK030	822	LU-1080	684	LU-1780	687	MAN-152.04	147	MB04/10	148
	LOK043	822	LU-1090SS	684	LU-1790	687	MAN-152.05	147	MB04/12	148
S	LOK044	821	LU-1100SS	684	LU-1800	687	MAN-152.06	147	MB06/02	148
	LOK045	821	LU-1110SS	684	LU-1810	687	MAN-152.22	147	MB06/04	148
T	LOK063	821	LU-1120SS	684	LU-1820SS	687	MAN-152.33	147	MB06/04/04	148
	LOK068	821	LU-1130	684	LU-1830SS	687	MAN-152.44	147	MB06/04/06	148
U	LOK073	821	LU-1140	684	LUE-GTI 20-50 SS	116	MAN-152.55	147	MB06/04/08	148
	LOK116	822	LU-1150	684	LUE-GTI 30-75 SS	116	MAN-153.03	147	MB06/06	148
V	LOK117	822	LU-1160	684	LUE-KSA 36-39	116	MAN-153.04	147	MB06/08	148
	LOK135	821	LU-1170	684	LUE-KSA 63-67	116	MAN-153.05	147	MB08/04	148
W	LOK172	822	LU-1180	684	LUE-SKD-SEAL	115	MAN-153.06	147	MB08/06	148
	LOK173	822	LU-1190	684	LUE-USC-1	115	MAN-153.33	147	MB08/06/04	148
X	LOK229	822	LU-1200	684	M		MAN-153.44	147	MB08/06/06	148
	LOK230	822	LU-1210	684	M100/A	776	MAN-153.55	147	MB08/08	148
Y	LPH-12.5	535	LU-1220SS	684	M100/B	776	MAN-154.02	147	MB1	139
Z	LPH-13.5	535	LU-1230SS	684	M100/C	776	MAN-154.03	147	MB112	139

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
MB114	139	MBTP-750-500PR	221	MC-125-375N	219	MC-312-125RT	219	MC-750-750SE	219
MB12	139	MBTP-750-750PR	221	MC-125-375RS	220	MC-312-250N	219	MC-8-125N	226
MB12/04	148	MBTP-8-125PR	228	MC-125-500N	219	MC-312-250RT	219	MC-8-125RS	226
MB12/06	148	MBTP-8-250PR	228	MC-125-562SE	219	MC-312-375N	219	MC-8-125RT	226
MB12/08/04	148	MBU-1	339	MC-14-250N	226	MC-312-500N	219	MC-8-250N	226
MB14	139	MBU-1-ABS	343	MC-14-375N	226	MC-312-500SE	219	MC-8-250RS	226
MB15-10BX	448	MBU-112-ABS	343	MC-14-500N	226	MC-375-125N	219	MC-8-250RT	226
MB15-13BX	448	MBV12	597	MC-15-500N	226	MC-375-125RT	219	MC-8-375N	226
MB1601	516	MBV12S	597	MC-15-500RT	226	MC-375-250N	226	MC-8-375RS	226
MB1602	516	MBV14	597	MC-16-250RT	226	MC-375-250RS	220	MC-8-375RT	226
MB1603	516	MBV14S	597	MC-16-375N	226	MC-375-250RT	219	MC-8-500N	226
MB1705	516	MBV18	597	MC-16-375RS	226	MC-375-375N	219	MC-8-500RS	226
MB1708	516	MBV18S	597	MC-16-375RT	226	MC-375-375RS	220	MC-8-500RT	226
MB18	139	MBV34	597	MC-16-500N	226	MC-375-375RT	219	MC-875-1000N	219
MB1802	516	MBV34S	597	MC-16-500RS	226	MC-375-437SE	219	MC-875-1187SE	219
MB1803	516	MBV38	597	MC-16-500RT	226	MC-375-500N	219	MC-875-750N	219
MB1804	516	MBV38S	597	MC-16-750N	226	MC-375-500RS	220	MC1-25	128
MB1806	516	MBVM12	597	MC-16-750RT	226	MC-375-500RT	219	MC1-25	448
MB2	139	MBVM12S	597	MC-18-500N	226	MC-375-562SE	226	MC1/2-10	448
MB22-13BX	448	MBVM14	597	MC-18-500RS	226	MC-375-750N	219	MC1/2-13	448
MB22-19BX	448	MBVM14S	597	MC-18-500RT	226	MC-375-750SE	219	MC1/2-16	448
MB34	139	MBVM18	597	MC-18-750N	226	MC-375-875SE	219	MC1/4-6	448
MB38	139	MBVM18S	597	MC-18-750RS	226	MC-4-125N	226	MC1/4-8	448
MBM1	139	MBVM34	597	MC-18-750RT	226	MC-4-125RS	226	MC1/8-6	448
MBM12	139	MBVM34S	597	MC-187-125N	219	MC-4-125RT	226	MC11/4-32	448
MBM14	139	MBVM38	597	MC-187-250N	219	MC-4-250N	226	MC3/4-13	448
MBM18	139	MBVM38S	597	MC-20-500N	226	MC-4-250RT	226	MC3/4-19	128
MBM34	139	MC-10-125N	226	MC-20-500RS	226	MC-500-1000N	219	MC3/4-19	448
MBM38	139	MC-10-125RT	226	MC-20-500RT	226	MC-500-1062SE	226	MC3/8-10	448
MBMM5	139	MC-10-250N	226	MC-20-750N	226	MC-500-125N	219	MC3/8-13	448
MBT-10-250N	228	MC-10-250RS	226	MC-20-750RS	226	MC-500-250N	219	MC3/8-8	448
MBT-12-250N	228	MC-10-250RT	226	MC-20-750RT	226	MC-500-250RS	220	MCGL100	690
MBT-12-375N	228	MC-10-375N	226	MC-22-1000N	226	MC-500-250RT	219	MCGL100	790
MBT-12-500N	228	MC-10-375RS	226	MC-22-1000RS	226	MC-500-375N	226	MCGL120	690
MBT-125-125N	221	MC-10-375RT	226	MC-22-1000RT	226	MC-500-375RS	219	MCGL220	790
MBT-125-250N	221	MC-10-500N	226	MC-22-750N	226	MC-500-375RT	219	MCT-10	184
MBT-16-500N	228	MC-10-500RS	226	MC-22-750RS	226	MC-500-500N	219	MCT-10/30	184
MBT-187-125N	221	MC-10-500RT	226	MC-22-750RT	226	MC-500-500RS	220	MCT-12	184
MBT-250-125N	221	MC-10-750N	226	MC-25-1000N	226	MC-500-500RT	219	MCT-12/30	184
MBT-250-250N	221	MC-1000-1000N	219	MC-25-1000RS	226	MC-500-562SE	219	MCT-15/30	184
MBT-312-125N	221	MC-1000-1000RS	220	MC-25-1000RT	226	MC-500-750N	219	MCT-4	184
MBT-375-250N	221	MC-1000-1000RT	219	MC-25-500N	226	MC-500-750RT	219	MCT-4/30	184
MBT-375-375N	221	MC-1000-1062SE	219	MC-25-750N	226	MC-500-750SE	219	MCT-5	184
MBT-500-375N	221	MC-1000-1312SE	219	MC-25-750RS	226	MC-500-875SE	219	MCT-6	184
MBT-500-500N	221	MC-1000-500N	219	MC-25-750RT	226	MC-6-125N	226	MCT-6-4/30	184
MBT-6-125N	228	MC-1000-500RS	220	MC-250-125N	219	MC-6-125RS	226	MCT-6/30	184
MBT-6-250N	228	MC-1000-750N	219	MC-250-125RS	220	MC-6-125RT	226	MCT-8	184
MBT-625-500N	221	MC-12-125N	226	MC-250-125RT	219	MC-6-250N	226	MCT-8/30	184
MBT-750-750N	221	MC-12-125RT	226	MC-250-250N	219	MC-6-250RS	226	MCZAB1	521
MBT-8-125N	228	MC-12-250N	226	MC-250-250RS	220	MC-6-250RT	226	MD-2	146
MBT-8-250N	228	MC-12-250RS	226	MC-250-250RT	219	MC-6-375N	226	MD-3	146
MBTP-10-250PR	228	MC-12-250RT	226	MC-250-375N	219	MC-6-375RS	226	MD-4	146
MBTP-1000-1000PR	221	MC-12-375N	226	MC-250-375RS	220	MC-6-375RT	226	MD-5	146
MBTP-1000-1312SE	221	MC-12-375RS	226	MC-250-375RT	219	MC-6-500N	226	MD-9205	776
MBTP-12-375PR	228	MC-12-375RT	226	MC-250-437SE	219	MC-6-500RS	226	MD13DCAP	75
MBTP-12-500PR	228	MC-12-500N	226	MC-250-500N	219	MC-6-500RT	226	MD13FCAP	75
MBTP-250-125PR	221	MC-12-500RS	226	MC-250-500RS	220	MC-625-375N	219	MD17GCAP	75
MBTP-250-250PR	221	MC-12-500RT	226	MC-250-500RT	219	MC-625-500N	219	MD7BCAP	75
MBTP-250-437SE	221	MC-12-750N	226	MC-250-750N	219	MC-625-750N	219	MD9CCAP	75
MBTP-375-250PR	221	MC-12-750RS	226	MC-250-750SE	219	MC-625-750SE	219	MDB500-BLUE	816
MBTP-375-562SE	221	MC-12-750RT	226	MC-250-875SE	219	MC-625-875SE	219	MDB500-RED	816
MBTP-500-375PR	221	MC-125-125N	219	MC-3-125N	226	MC-750-1000N	219	MDPVC102-10	489
MBTP-500-500PR	221	MC-125-125RS	220	MC-3-125RS	226	MC-750-1062SE	219	MDPVC115-10	489
MBTP-500-750SE	221	MC-125-125RT	219	MC-3-125RT	226	MC-750-500N	219	MDPVC127-10	489
MBTP-6-125PR	228	MC-125-250N	219	MC-3-250N	226	MC-750-500RS	220	MDPVC152-10	489
MBTP-6-250PR	228	MC-125-250RS	220	MC-3-250RS	226	MC-750-750N	219	MDPVC32-10	489
MBTP-625-500PR	221	MC-125-250RT	219	MC-3-250RT	226	MC-750-750RS	220	MDPVC38-10	489
MBTP-750-1062SE	221	MC-125-312SE	219	MC-312-125N	219	MC-750-750RT	219	MDPVC45-10	489

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	MDPVC51-10	489	ME-250-125RT	222	MEP-375-250PR	223	MFU-14	202	MIB-12X200	242
1	MDPVC57-10	489	ME-250-250N	222	MEP-375-375PR	223	MFU-2	202	MIB-12X200N	243
2	MDPVC63-10	489	ME-250-250RT	222	MEP-375-562SE	223	MFU-34	202	MIB-12X250	242
2	MDPVC76-10	489	ME-250-375N	222	MEP-375-750SE	223	MFU-38	202	MIB-12X250N	243
3	MDPVC80-10	489	ME-250-375RT	222	MEP-500-250PR	223	MFU-4	202	MIB-12X30	242
3	MDPVC89-10	489	ME-250-500N	222	MEP-500-375PR	223	MH04/04S	129	MIB-12X300	242
4	MDS1-10	464	ME-250-500RT	222	MEP-500-500PR	223	MH06/06S	129	MIB-12X300N	243
4	MDS1-30	464	ME-3-125RT	229	MEP-500-750SE	223	MHA-34-ABS	343	MIB-12X30N	243
5	MDS112-10	464	ME-3-250N	229	MEP-6-125PR	229	MHM10/04	124	MIB-12X40	242
5	MDS112-30	464	ME-3-250RT	229	MEP-6-250PR	229	MHM10/05	124	MIB-12X40N	243
6	MDS114-10	464	ME-312-125N	222	MEP-625-500PR	223	MHM10/06	124	MIB-12X50	242
6	MDS114-30	464	ME-312-250N	222	MEP-625-875SE	223	MHM12/04	124	MIB-12X60	242
7	MDS2-10	464	ME-312-250RT	222	MEP-750-1062SE	223	MHM12/05	124	MIB-12X60N	243
7	MDS2-30	464	ME-312-375N	222	MEP-750-500PR	223	MHM12/06	124	MIB-12X80	242
8	MDS212-10	464	ME-375-125N	222	MEP-750-750PR	223	MHM14/06	124	MIB-12X80N	243
8	MDS212-30	464	ME-375-250N	222	MEP-8-125PR	229	MHM16/06	124	MIB-14X100	242
9	MDS3-10	464	ME-375-250RT	222	MEP-8-250PR	229	MHM16/08	124	MIB-14X100N	243
9	MDS3-30	464	ME-375-375N	222	MEP-875-1187SE	223	MHM18/06	124	MIB-14X120	242
A	MDS312-10	464	ME-375-375RT	222	MFA1-1-ABS	343	MHM18/08	124	MIB-14X120N	243
A	MDS312-30	464	ME-375-500N	222	MFA1-112-ABS	343	MHM22/08	124	MIB-14X150	242
B	MDS34-30	464	ME-375-750N	222	MFA1-114-ABS	343	MHM22/12	124	MIB-14X150N	243
B	MDS4-10	464	ME-4-125N	229	MFA1-2-ABS	343	MHM5/03	124	MIB-14X180	242
C	MDS4-30	464	ME-4-125RT	229	MFA1-3-ABS	343	MHM5/04	124	MIB-14X180N	243
C	MDS6-10	464	ME-4-250N	229	MFA1-34-ABS	343	MHM6/04	124	MIB-14X200	242
D	MDS6-30	464	ME-4-250RT	229	MFA2-1-ABS	343	MHM8/04	124	MIB-14X200N	243
D	MDS6-6	464	ME-500-250N	222	MFA2-12-ABS	343	MIB-112X100	242	MIB-14X250	242
E	ME-10-250N	229	ME-500-375N	222	MFA2-2-ABS	343	MIB-112X100N	243	MIB-14X250N	243
E	ME-10-250RT	229	ME-500-500N	222	MFA2-3-ABS	343	MIB-112X120	242	MIB-14X300	242
F	ME-10-375N	229	ME-500-750N	222	MFA2-34-ABS	343	MIB-112X120N	243	MIB-14X300N	243
F	ME-10-375RT	229	ME-6-125N	229	MFA2-1212	705	MIB-112X150	242	MIB-14X40	242
G	ME-10-500N	229	ME-6-125RT	229	MFAPA08/04NP	701	MIB-112X150N	243	MIB-14X40N	243
G	ME-10-500RT	229	ME-6-250N	229	MFAPA08/06NP	701	MIB-112X180	242	MIB-14X60	242
H	ME-1000-1000N	222	ME-6-250RT	229	MFCB-02	722	MIB-112X180N	243	MIB-14X60N	243
H	ME-1000-750N	222	ME-6-375N	229	MFCB-04	722	MIB-112X200	242	MIB-14X80	242
I	ME-12-250N	229	ME-6-375RT	229	MFCB-06	722	MIB-112X200N	243	MIB-14X80N	243
I	ME-12-250RT	229	ME-6-500N	229	MFCB-08	722	MIB-112X250	242	MIB-18X60	242
J	ME-12-375N	229	ME-6-500RT	229	MFCN-02	722	MIB-112X250N	243	MIB-18X80	242
J	ME-12-375RT	229	ME-625-375N	222	MFCN-04	722	MIB-112X300	242	MIB-1X100	242
K	ME-12-500N	229	ME-625-500N	222	MFCN-06	722	MIB-112X300N	243	MIB-1X100N	243
K	ME-12-500RT	229	ME-625-750N	222	MFCN-08	722	MIB-112X60N	243	MIB-1X120	242
L	ME-12-750N	229	ME-750-500N	222	MFL02	141	MIB-112X80	242	MIB-1X120N	243
L	ME-12-750RT	229	ME-750-750N	222	MFL04	141	MIB-112X80N	243	MIB-1X150	242
M	ME-125-125N	222	ME-8-125N	229	MFL06	141	MIB-114X100	242	MIB-1X150N	243
M	ME-125-250N	222	ME-8-125RT	229	MFL08	141	MIB-114X100N	243	MIB-1X180	242
N	ME-15-500N	229	ME-8-250N	229	MFL12	141	MIB-114X120	242	MIB-1X180N	243
N	ME-16-375N	229	ME-8-250RT	229	MFL16	141	MIB-114X120N	243	MIB-1X200	242
O	ME-16-375RT	229	ME-8-375N	229	MFL20	141	MIB-114X125	242	MIB-1X200N	243
O	ME-16-500N	229	ME-8-375RT	229	MFL24	141	MIB-114X150	242	MIB-1X250	242
P	ME-16-500RT	229	ME-8-500N	229	MFL32	141	MIB-114X150N	243	MIB-1X250N	243
Q	ME-16-750N	229	ME-8-500RT	229	MFLN02	141	MIB-114X180	242	MIB-1X30	242
Q	ME-18-500N	229	ME-875-750N	222	MFLN04	141	MIB-114X180N	243	MIB-1X300	242
R	ME-18-500RT	229	MEDICAIR-PLUS	840	MFLN06	141	MIB-114X200	242	MIB-1X300N	243
R	ME-18-750N	229	MEK-TIN	338	MFLN08	141	MIB-114X200N	243	MIB-1X40	242
S	ME-18-750RT	229	MEK-TIN	345	MFLN12	141	MIB-114X250	242	MIB-1X40N	243
S	ME-187-125N	222	MEP-10-250PR	229	MFLN16	141	MIB-114X250N	243	MIB-1X50	242
T	ME-187-250N	222	MEP-10-375PR	229	MFRBI-112-1	340	MIB-114X300	242	MIB-1X60	242
T	ME-20-500N	229	MEP-1000-1000PR	223	MFRBI-2-1	340	MIB-114X300N	243	MIB-1X60N	243
U	ME-20-500RT	229	MEP-1000-1312SE	223	MFRBI-212-112	340	MIB-114X60N	243	MIB-1X70	242
V	ME-20-750RT	229	MEP-1000-750PR	223	MFSRBI-1-34	340	MIB-114X80	242	MIB-1X80	242
V	ME-22-1000N	229	MEP-12-250PR	229	MFSRBI-112-114	340	MIB-114X80N	243	MIB-1X80N	243
W	ME-22-1000RT	229	MEP-12-375PR	229	MFSRBI-114-1	340	MIB-12X100	242	MIB-212X100N	243
W	ME-22-750N	229	MEP-12-500PR	229	MFSRBI-2-112	340	MIB-12X100N	243	MIB-212X120N	243
X	ME-22-750RT	229	MEP-12-750PR	229	MFSRBI-34-12	340	MIB-12X120	242	MIB-212X150N	243
X	ME-25-1000N	229	MEP-250-125PR	223	MFTA-50-112-UPVC	331	MIB-12X120N	243	MIB-212X180N	243
Y	ME-25-1000RT	229	MEP-250-250PR	223	MFU-1	202	MIB-12X150	242	MIB-212X200N	243
Y	ME-25-750N	229	MEP-250-437SE	223	MFU-112	202	MIB-12X150N	243	MIB-212X250N	243
Z	ME-25-750RT	229	MEP-250-562SE	223	MFU-114	202	MIB-12X180	242	MIB-212X300N	243
Z	ME-250-125N	222	MEP-312-500SE	223	MFU-12	202	MIB-12X180N	243	MIB-2X100	242

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
MIB-2X100N	243	MIB-4X100N	243	MIPC89-101	551	MMO10411	393	MPBR4-G01	385
MIB-2X120	242	MIB-4X120N	243	MIPC94-115	551	MMO10611	393	MPBR4-G02	385
MIB-2X120N	243	MIB-4X150N	243	MIRC-1	278	MMO10612	393	MPBR4-M5	385
MIB-2X150	242	MIB-4X180N	243	MIRC-112	278	MMO10812	393	MPBR6-G01	385
MIB-2X150N	243	MIB-4X200N	243	MIRC-12	278	MMO11504N	300	MPBR6-G02	385
MIB-2X180	242	MIB-4X250N	243	MIRC-2	278	MMO12206N	300	MPBR6-M5	385
MIB-2X180N	243	MIB-4X300N	243	MIRC-34	278	MMO12808N	300	MPBR8-G01	385
MIB-2X200	242	MIBOSSG400	292	MISB1	277	MMO51504N	300	MPBR8-G02	385
MIB-2X200N	243	MIBOSSG400	811	MISB112	277	MMO52206N	300	MPBR8-G03	385
MIB-2X250	242	MIBOSSW400	292	MISB112N	277	MMO52228N	300	MPBR8-G04	385
MIB-2X250N	243	MIBOSSW400	811	MISB114	277	MMO52818N	300	MPBT10-02	386
MIB-2X300	242	MIBPM10	278	MISB12	277	MMO52828N	300	MPBT10-03	386
MIB-2X300N	243	MIBPM10N	278	MISB12N	277	MM501514N	300	MPBT12-02	386
MIB-2X80	242	MIBPM12	278	MISB14	277	MM502216N	300	MPBT12-03	386
MIB-2X80N	243	MIBPM12N	278	MISB14N	277	MML12	140	MPBT4-01	386
MIB-34X100	242	MICT112	91	MISB1N	277	MML16	140	MPBT4-M5	386
MIB-34X1000	242	MICT2	91	MISB2	277	MNSE10-G02	386	MPBT6-01	386
MIB-34X100N	243	MICT212	91	MISB212	277	MNSE10-G03	386	MPBT8-01	386
MIB-34X120	242	MICT3	91	MISB2N	277	MNSE10-G04	386	MPBT8-02	386
MIB-34X120N	243	MICT4	91	MISB34	277	MNSE12-G02	386	MPC10-02	384
MIB-34X150	242	MIDTP1	278	MISB34N	277	MNSE12-G03	386	MPC10-03	384
MIB-34X1500	242	MIDTP112	278	MISB38	277	MNSE12-G04	386	MPC10-04	384
MIB-34X150N	243	MIDTP114	278	MISB38N	277	MNSE4-G01	386	MPC10-G02	384
MIB-34X180	242	MIDTP114N	278	MISB4	277	MNSE4-G02	386	MPC10-G03	384
MIB-34X180N	243	MIDTP12	278	MISDM10	278	MNSE4-M5	386	MPC10-G04	384
MIB-34X200	242	MIDTP12N	278	MISDM10X1.0	278	MNSE6-G01	386	MPC12-02	384
MIB-34X200N	243	MIDTP14	278	MISDM10X1.0/3M	278	MNSE6-G02	386	MPC12-03	384
MIB-34X250	242	MIDTP14N	278	MISDM12X1.0	278	MNSE8-G01	386	MPC12-04	384
MIB-34X250N	243	MIDTP1N	278	MISDM8	278	MNSE8-G02	386	MPC12-G02	384
MIB-34X30	242	MIDTP2	278	MISTP1	278	MNSE8-G03	386	MPC12-G03	384
MIB-34X300	242	MIDTP34	278	MISTP112	278	MNSF04	387	MPC12-G04	384
MIB-34X300N	243	MIDTP38N	278	MISTP114	278	MNSF06	387	MPC14-G03	384
MIB-34X40	242	MIG 10/25	90	MISTP114N	278	MNSF08	387	MPC14-G04	384
MIB-34X40N	243	MIG 15/35	90	MISTP12	278	MNSF10	387	MPC4-01	384
MIB-34X60	242	MIG 20/50	90	MISTP12N	278	MNSF12	387	MPC4-02	384
MIB-34X60N	243	MIGCM10	277	MISTP14N	278	MO-14	630	MPC4-G01	384
MIB-34X70	242	MIGCM12	277	MISTP1N	278	MOO-MS	513	MPC4-G02	384
MIB-34X80	242	MIGCM8	277	MISTP2	278	MOO-MS-BOX	513	MPC4-M5	384
MIB-34X80N	243	MIMT112	91	MISTP2N	278	MOO-SS	513	MPC4-M6	384
MIB-38X100	242	MIMT2	91	MISTP34	278	MPAOW-04-100	475	MPC6-01	384
MIB-38X100N	243	MIMT212	91	MISTP34N	278	MPAOW-05-100	475	MPC6-02	384
MIB-38X120	242	MIMT3	91	MISTP38	278	MPAOW-06-100	475	MPC6-G01	384
MIB-38X120N	243	MIMT4	91	MISTP38N	278	MPAOW-08-100	475	MPC6-G02	384
MIB-38X150	242	MINIMIXER	809	MWRSB-112N	278	MPAOW-10-50	475	MPC6-G03	384
MIB-38X150N	243	MIPC113-127	551	MWRSB-114N	278	MPAOW-12-100	475	MPC6-G04	384
MIB-38X180	242	MIPC115-145	551	MWRSB-12N	278	MPAOW-16-100	475	MPC6-M5	384
MIB-38X180N	243	MIPC127-140	551	MWRSB-14N	278	MPB10-G02	385	MPC6-M6	384
MIB-38X200	242	MIPC135-155	551	MWRSB-18N	278	MPB10-G03	385	MPC8-01	384
MIB-38X200N	243	MIPC155-175	551	MWRSB-1N	278	MPB10-G04	385	MPC8-02	384
MIB-38X250	242	MIPC17-22	551	MWRSB-212N	278	MPB12-G03	385	MPC8-03	384
MIB-38X250N	243	MIPC175-195	551	MWRSB-2N	278	MPB12-G04	385	MPC8-G01	384
MIB-38X300	242	MIPC20-29	551	MWRSB-34N	278	MPB14-G03	385	MPC8-G02	384
MIB-38X300N	243	MIPC210-225	551	MWRSB-38N	278	MPB14-G04	385	MPC8-G03	384
MIB-38X30N	243	MIPC22-29S	551	MWRSB-3N	278	MPB4-G01	385	MPC8-G04	384
MIB-38X40	242	MIPC227-250	551	MWRSB-4N	278	MPB4-G02	385	MPCF10-G02	384
MIB-38X40N	243	MIPC28-32S	551	MWRSB-6N	278	MPB4-M5	385	MPCF10-G03	384
MIB-38X50	242	MIPC28-35	551	MWRSB-1	278	MPB6-G01	385	MPCF10-G04	384
MIB-38X60	242	MIPC32-40	551	MWRSB-112	278	MPB6-G02	385	MPCF12-G02	384
MIB-38X60N	243	MIPC35-42S	551	MWRSB-114	278	MPB6-M5	385	MPCF12-G03	384
MIB-38X80	242	MIPC39-49	551	MWRSB-12	278	MPB8-G01	385	MPCF12-G04	384
MIB-38X80N	243	MIPC42-45S	551	MWRSB-14	278	MPB8-G02	385	MPCF4-G01	384
MIB-3X100N	243	MIPC45-53S	551	MWRSB-18	278	MPB8-G03	385	MPCF4-G02	384
MIB-3X120N	243	MIPC48-60	551	MWRSB-2	278	MPB8-G04	385	MPCF6-G01	384
MIB-3X150N	243	MIPC55-60S	551	MWRSB-212	278	MPBR10-G02	385	MPCF6-G02	384
MIB-3X180N	243	MIPC60-73S	551	MWRSB-3	278	MPBR10-G03	385	MPCF8-G01	384
MIB-3X200N	243	MIPC60-76	551	MWRSB-34	278	MPBR10-G04	385	MPCF8-G02	384
MIB-3X250N	243	MIPC77-94	551	MWRSB-38	278	MPBR12-G03	385	MPCF8-G03	384
MIB-3X300N	243	MIPC86-102S	551	MWRSB-4	278	MPBR12-G04	385	MPCFJ10-G02	387



	<b>Code</b>	<b>Page</b>	<b>Code</b>	<b>Page</b>	<b>Code</b>	<b>Page</b>	<b>Code</b>	<b>Page</b>	<b>Code</b>	<b>Page</b>
<b>0</b>	MPCFJ10-G03	<b>387</b>	MPJG12-8	<b>387</b>	MPM-8	<b>387</b>	MRTP-625-500PR	<b>222</b>	MSE14-18	<b>167</b>
<b>1</b>	MPCFJ10-G04	<b>387</b>	MPJG6-4	<b>387</b>	MPMF6-G01	<b>384</b>	MRTP-750-1062SE	<b>222</b>	MSE14-38	<b>167</b>
<b>2</b>	MPCFJ12-G02	<b>387</b>	MPJG8-4	<b>387</b>	MPMF6-G02	<b>384</b>	MRTP-750-500PR	<b>222</b>	MSE18-18	<b>167</b>
<b>3</b>	MPCFJ12-G03	<b>387</b>	MPJG8-6	<b>387</b>	MPUC-10	<b>387</b>	MRTP-750-750PR	<b>222</b>	MSE316-14	<b>167</b>
<b>4</b>	MPCFJ12-G04	<b>387</b>	MPL10-02	<b>385</b>	MPUC-12	<b>387</b>	MRTP-8-125PR	<b>228</b>	MSE316-18	<b>167</b>
<b>5</b>	MPCFJ4-G01	<b>387</b>	MPL10-03	<b>385</b>	MPUC-14	<b>387</b>	MRTP-8-250PR	<b>228</b>	MSE34-34	<b>167</b>
<b>6</b>	MPCFJ4-G02	<b>387</b>	MPL10-04	<b>385</b>	MPUC-4	<b>387</b>	MS1901	<b>539</b>	MSE38-14	<b>167</b>
<b>7</b>	MPCFJ6-G01	<b>387</b>	MPL10-G02	<b>385</b>	MPUC-6	<b>387</b>	MS1902	<b>539</b>	MSE38-18	<b>167</b>
<b>8</b>	MPCFJ6-G02	<b>387</b>	MPL10-G03	<b>385</b>	MPUC-8	<b>387</b>	MS1903	<b>539</b>	MSE38-38	<b>167</b>
<b>9</b>	MPCFJ8-G02	<b>387</b>	MPL10-G04	<b>385</b>	MPUL-10	<b>387</b>	MS1904	<b>539</b>	MSE516-14	<b>167</b>
<b>A</b>	MPCFJ8-G03	<b>387</b>	MPL12-02	<b>385</b>	MPUL-12	<b>387</b>	MS1905	<b>539</b>	MSE516-18	<b>167</b>
<b>B</b>	MPCFJ8-G04	<b>387</b>	MPL12-03	<b>385</b>	MPUL-14	<b>387</b>	MS1906	<b>539</b>	MSP1-1	<b>165</b>
<b>C</b>	MPCJ10-G02	<b>387</b>	MPL12-04	<b>385</b>	MPUL-4	<b>387</b>	MS1907	<b>539</b>	MSP12-12	<b>165</b>
<b>D</b>	MPCJ10-G03	<b>387</b>	MPL12-G02	<b>385</b>	MPUL-6	<b>387</b>	MS1908	<b>539</b>	MSP12-14	<b>165</b>
<b>E</b>	MPCJ10-G04	<b>387</b>	MPL12-G03	<b>385</b>	MPUL-8	<b>387</b>	MS1909	<b>539</b>	MSP12-34	<b>165</b>
<b>F</b>	MPCJ12-G02	<b>387</b>	MPL12-G04	<b>385</b>	MPUT-10	<b>387</b>	MS1910	<b>539</b>	MSP12-38	<b>165</b>
<b>G</b>	MPCJ12-G03	<b>387</b>	MPL14-G03	<b>385</b>	MPUT-12	<b>387</b>	MS1911	<b>539</b>	MSP14-12	<b>165</b>
<b>H</b>	MPCJ4-G01	<b>387</b>	MPL14-G04	<b>385</b>	MPUT-14	<b>387</b>	MS1912	<b>539</b>	MSP14-14	<b>165</b>
<b>I</b>	MPCJ4-G02	<b>387</b>	MPL4-01	<b>385</b>	MPUT-4	<b>387</b>	MS1913	<b>539</b>	MSP14-18	<b>165</b>
<b>J</b>	MPCJ6-G01	<b>387</b>	MPL4-G01	<b>385</b>	MPUT-6	<b>387</b>	MS1914	<b>539</b>	MSP14-38	<b>165</b>
<b>K</b>	MPCJ6-G02	<b>387</b>	MPL4-G02	<b>385</b>	MPUT-8	<b>387</b>	MS1915	<b>539</b>	MSP18-14	<b>165</b>
<b>L</b>	MPCJ8-G02	<b>387</b>	MPL4-M5	<b>385</b>	MPY-6	<b>387</b>	MS1916	<b>539</b>	MSP18-18	<b>165</b>
<b>M</b>	MPCJ8-G03	<b>387</b>	MPL6-01	<b>385</b>	MPY-8	<b>387</b>	MS1917	<b>539</b>	MSP316-14	<b>165</b>
<b>N</b>	MPCJ8-G04	<b>387</b>	MPL6-02	<b>385</b>	MPYC10	<b>386</b>	MS1918	<b>539</b>	MSP316-18	<b>165</b>
<b>O</b>	MPCS10-G02	<b>384</b>	MPL6-G01	<b>385</b>	MPYC4	<b>386</b>	MS1919	<b>539</b>	MSP316-38	<b>165</b>
<b>P</b>	MPCS10-G03	<b>384</b>	MPL6-G02	<b>385</b>	MPYC6	<b>386</b>	MS1920	<b>539</b>	MSP34-12	<b>165</b>
<b>Q</b>	MPCS10-G04	<b>384</b>	MPL6-M5	<b>385</b>	MPYC8	<b>386</b>	MS1921	<b>539</b>	MSP34-34	<b>165</b>
<b>R</b>	MPCS12-G02	<b>384</b>	MPL8-01	<b>385</b>	MR74	<b>844</b>	MS1922	<b>539</b>	MSP38-12	<b>165</b>
<b>S</b>	MPCS12-G03	<b>384</b>	MPL8-02	<b>385</b>	MRD522	<b>844</b>	MS1923	<b>539</b>	MSP38-14	<b>165</b>
<b>T</b>	MPCS12-G04	<b>384</b>	MPL8-03	<b>385</b>	MRDP-1	<b>192</b>	MS1924	<b>539</b>	MSP38-18	<b>165</b>
<b>U</b>	MPCS14-G03	<b>384</b>	MPL8-04	<b>385</b>	MRDP-2	<b>192</b>	MS1925	<b>539</b>	MSP38-38	<b>165</b>
<b>V</b>	MPCS14-G04	<b>384</b>	MPL8-G01	<b>385</b>	MRDP-3	<b>192</b>	MS1926	<b>539</b>	MSP516-12	<b>165</b>
<b>W</b>	MPCS4-01	<b>384</b>	MPL8-G02	<b>385</b>	MRDP-4	<b>192</b>	MS1927	<b>539</b>	MSP516-14	<b>165</b>
<b>X</b>	MPCS4-G01	<b>384</b>	MPL8-G03	<b>385</b>	MRDP-5	<b>192</b>	MS1928	<b>539</b>	MSP516-18	<b>165</b>
<b>Y</b>	MPCS4-G02	<b>384</b>	MPL8-G04	<b>385</b>	MRT-12-250N	<b>228</b>	MS1929	<b>539</b>	MSP516-38	<b>165</b>
<b>Z</b>	MPCS4-M5	<b>384</b>	MPLF10-G02	<b>384</b>	MRT-12-375N	<b>228</b>	MS1930	<b>539</b>	MSR14-14	<b>166</b>
	MPCS6-01	<b>384</b>	MPLF4-G01	<b>384</b>	MRT-12-500N	<b>228</b>	MS1931	<b>539</b>	MSR14-18	<b>166</b>
	MPCS6-02	<b>384</b>	MPLF6-G01	<b>384</b>	MRT-125-125N	<b>221</b>	MS1932	<b>539</b>	MSR316-18	<b>166</b>
	MPCS6-G01	<b>384</b>	MPLF6-G02	<b>384</b>	MRT-125-250N	<b>221</b>	MS1933	<b>539</b>	MSR38-38	<b>166</b>
	MPCS6-G02	<b>384</b>	MPLF8-G02	<b>384</b>	MRT-16-500N	<b>228</b>	MS1934	<b>539</b>	MSR516-14	<b>166</b>
	MPCS6-G03	<b>384</b>	MPLF8-G04	<b>384</b>	MRT-187-125N	<b>221</b>	MS1935	<b>539</b>	MSSPVC	<b>665</b>
	MPCS6-G04	<b>384</b>	MPLL10-G02	<b>385</b>	MRT-250-125N	<b>221</b>	MS1936	<b>539</b>	MST 38/35	<b>90</b>
	MPCS6-M5	<b>384</b>	MPLL10-G03	<b>385</b>	MRT-250-250N	<b>221</b>	MS1937	<b>539</b>	MST 50	<b>90</b>
	MPCS8-01	<b>384</b>	MPLL10-G04	<b>385</b>	MRT-312-125N	<b>221</b>	MS1938	<b>539</b>	MST12-12	<b>165</b>
	MPCS8-02	<b>384</b>	MPLL12-G02	<b>385</b>	MRT-375-250N	<b>221</b>	MS1939	<b>539</b>	MST12-14	<b>165</b>
	MPCS8-G01	<b>384</b>	MPLL12-G03	<b>385</b>	MRT-375-375N	<b>221</b>	MS1940	<b>539</b>	MST12-38	<b>165</b>
	MPCS8-G02	<b>384</b>	MPLL12-G04	<b>385</b>	MRT-500-375N	<b>221</b>	MS1941	<b>539</b>	MST14-12	<b>165</b>
	MPCS8-G03	<b>384</b>	MPLL4-G01	<b>385</b>	MRT-500-500N	<b>221</b>	MS1942	<b>539</b>	MST14-14	<b>165</b>
	MPCS8-G04	<b>384</b>	MPLL4-G02	<b>385</b>	MRT-6-125N	<b>228</b>	MS1943	<b>539</b>	MST14-18	<b>165</b>
	MPG10-8	<b>387</b>	MPLL6-G01	<b>385</b>	MRT-6-250N	<b>228</b>	MS1944	<b>539</b>	MST14-38	<b>165</b>
	MPG12-10	<b>387</b>	MPLL6-G02	<b>385</b>	MRT-625-500N	<b>221</b>	MS1945	<b>539</b>	MST18-14	<b>165</b>
	MPG6-4	<b>387</b>	MPLL8-G01	<b>385</b>	MRT-750-750N	<b>221</b>	MS1946	<b>539</b>	MST18-18	<b>165</b>
	MPG8-6	<b>387</b>	MPLL8-G02	<b>385</b>	MRT-8-250N	<b>228</b>	MS1947	<b>539</b>	MST316-14	<b>165</b>
	MPH4-G01	<b>386</b>	MPLL8-G03	<b>385</b>	MRTP-10-250PR	<b>228</b>	MS1948	<b>539</b>	MST316-18	<b>165</b>
	MPH4-M5	<b>386</b>	MPLS10-02	<b>385</b>	MRTP-1000-1000PR	<b>222</b>	MSB12-12	<b>166</b>	MST34-12	<b>165</b>
	MPH6-G01	<b>386</b>	MPLS10-03	<b>385</b>	MRTP-1000-1312SE	<b>222</b>	MSB14-14	<b>166</b>	MST34-34	<b>165</b>
	MPH8-G01	<b>386</b>	MPLS12-02	<b>385</b>	MRTP-12-375PR	<b>228</b>	MSB14-18	<b>166</b>	MST38-12	<b>165</b>
	MPH8-G02	<b>386</b>	MPLS12-03	<b>385</b>	MRTP-12-500PR	<b>228</b>	MSB38-14	<b>166</b>	MST38-14	<b>165</b>
	MPHD4-G01	<b>386</b>	MPLS4-01	<b>385</b>	MRTP-250-125PR	<b>222</b>	MSB38-38	<b>166</b>	MST38-18	<b>165</b>
	MPHD4-M5	<b>386</b>	MPLS4-M5	<b>385</b>	MRTP-250-250PR	<b>222</b>	MSB516-14	<b>166</b>	MST38-38	<b>165</b>
	MPHD6-G01	<b>386</b>	MPLS6-01	<b>385</b>	MRTP-250-437SE	<b>222</b>	MSCT-10	<b>185</b>	MST516-12	<b>165</b>
	MPHD6-G02	<b>386</b>	MPLS6-02	<b>385</b>	MRTP-375-250PR	<b>222</b>	MSCT-12	<b>185</b>	MST516-14	<b>165</b>
	MPHD8-G01	<b>386</b>	MPLS8-01	<b>385</b>	MRTP-375-562SE	<b>222</b>	MSCT-6	<b>185</b>	MST516-18	<b>165</b>
	MPHD8-G02	<b>386</b>	MPLS8-02	<b>385</b>	MRTP-500-375PR	<b>222</b>	MSCT-8	<b>185</b>	MST516-38	<b>165</b>
	MPJG10-4	<b>387</b>	MPM-10	<b>387</b>	MRTP-500-500PR	<b>222</b>	MSE12-12	<b>167</b>	MT77724	<b>812</b>
	MPJG10-6	<b>387</b>	MPM-12	<b>387</b>	MRTP-500-750SE	<b>222</b>	MSE12-14	<b>167</b>	MT77748	<b>812</b>
	MPJG10-8	<b>387</b>	MPM-4	<b>387</b>	MRTP-6-125PR	<b>228</b>	MSE12-38	<b>167</b>	MTA-110-3-UPVC	<b>328</b>
	MPJG12-10	<b>387</b>	MPM-6	<b>387</b>	MRTP-6-250PR	<b>228</b>	MSE14-14	<b>167</b>	MTA-110-4-UPVC	<b>328</b>

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
MTA-110-5-UPVC	328	MW012808N	305	N12/2	529	N12C51623410MY	437	NC-HTUBE2N-6.5	276
MTA-12-38-UPVC	328	MW012818N	305	N12/3	529	N12C51623515MB	437	NC-HTUBE34	276
MTA-16-12-UPVC	328	MW052206N	305	N12/5	529	N12C51623515MR	437	NC-HTUBE34-6.5	276
MTA-16-38-UPVC	328	MW052818N	305	N12C1008010MB	438	N12C51623515MY	437	NC-HTUBE34N	276
MTA-20-12-UPVC	328	MW502216N	305	N12C1008010MR	438	N12C604010MB	438	NC-HTUBE34N-6.5	276
MTA-20-34-UPVC	328	MWC-10-250	230	N12C1008015MB	438	N12C604010MR	438	NC-TUBE1	276
MTA-20-38-UPVC	328	MWC-10-500	230	N12C1008015MR	438	N12C604015MB	438	NC-TUBE1-6.5	276
MTA-25-1-UPVC	328	MWC-1000-1000	224	N12C100802.5MB	438	N12C604015MR	438	NC-TUBE112	276
MTA-25-12-UPVC	328	MWC-12-250	230	N12C100802.5MR	438	N12C60402.5MB	438	NC-TUBE112-6.5	276
MTA-25-34-UPVC	328	MWC-12-375	230	N12C100805MB	438	N12C60402.5MR	438	NC-TUBE112N	276
MTA-32-1-UPVC	328	MWC-12-500	230	N12C100805MR	438	N12C60405MB	438	NC-TUBE112N-6.5	276
MTA-32-114-UPVC	328	MWC-125-125	224	N12C1209010MB	438	N12C60405MR	438	NC-TUBE114	276
MTA-32-34UPVC	328	MWC-14-375	230	N12C1209010MR	438	N12C806010MB	438	NC-TUBE114-6.5	276
MTA-40-1-UPVC	328	MWC-15-500	230	N12C1209015MB	438	N12C806010MR	438	NC-TUBE114N	276
MTA-40-112-UPVC	328	MWC-16-500	230	N12C1209015MR	438	N12C806015MB	438	NC-TUBE114N-6.5	276
MTA-40-114-UPVC	328	MWC-18-500	230	N12C120902.5MB	438	N12C806015MR	438	NC-TUBE12	276
MTA-50-112-UPVC	328	MWC-187-125	224	N12C120902.5MR	438	N12C80602.5MB	438	NC-TUBE12-6.5	276
MTA-50-114-UPVC	328	MWC-250-125	224	N12C120905MB	438	N12C80602.5MR	438	NC-TUBE12N	276
MTA-50-2-UPVC	328	MWC-250-250	224	N12C120905MR	438	N12C80605MB	438	NC-TUBE12N-6.5	276
MTA-63-112-UPVC	328	MWC-3-125	230	N12C1237510MB	437	N12C80605MR	438	NC-TUBE1N	276
MTA-63-2-UPVC	328	MWC-312-125	224	N12C1237510MR	437	N16/1	529	NC-TUBE1N-6.5	276
MTA-63-212-UPVC	328	MWC-312-250	224	N12C1237510MY	437	N16/2	529	NC-TUBE2	276
MTA-75-2-UPVC	328	MWC-375-250	224	N12C1237515MB	437	N2217	776	NC-TUBE2-6.5	276
MTA-75-212-UPVC	328	MWC-375-375	224	N12C1237515MR	437	N2217T	776	NC-TUBE212	276
MTA-75-3-UPVC	328	MWC-375-500	224	N12C1237515MY	437	N2220	776	NC-TUBE212-6.5	276
MTA-90-212-UPVC	328	MWC-375-750	224	N12C1237525BU	437	N2350	776	NC-TUBE212N	276
MTA-90-3-UPVC	328	MWC-4-125	230	N12C1237525MR	437	N6/1	529	NC-TUBE212N-6.5	276
MTA-90-4-UPVC	328	MWC-500-375	224	N12C1237525MY	437	N6/2	529	NC-TUBE2N	276
MTS-10	184	MWC-500-500	224	N12C123755MB	437	N6/3	529	NC-TUBE2N-6.5	276
MTS-12	184	MWC-500-750	224	N12C123755MR	437	N6/4	529	NC-TUBE3	276
MTS-15	184	MWC-6-125	230	N12C123755MY	437	N6/5	529	NC-TUBE3-6.5	276
MTS-16	184	MWC-6-250	230	N12C123757.5MB	437	N8/1	529	NC-TUBE34	276
MTS-18	184	MWC-625-500	224	N12C1417010MB	437	N8/10	529	NC-TUBE34-6.5	276
MTS-22	184	MWC-750-750	224	N12C1417010MR	437	N8/2	529	NC-TUBE34N	276
MTS-28	184	MWC-8-125	230	N12C1417010MY	437	N8/3	529	NC-TUBE34N-6.5	276
MTS-4	184	MWC-8-250	230	N12C1417015MB	437	N8/4	529	NC-TUBE3N	276
MTS-6	184	MWC-8-500	230	N12C1417015MR	437	NB0709	517	NC-TUBE3N-6.5	276
MTS-8	184	MWE-250-125	224	N12C1417015MY	437	NB0810	517	NC-TUBE4	276
MU05	132	MWE-250-250	224	N12C1417025MB	437	NB0911	517	NC-TUBE4-6.5	276
MU05/10	132	MWE-375-250	224	N12C1417025MR	437	NB1012	517	NC-TUBE4N	276
MU10	132	MWE-500-500	224	N12C1417025MY	437	NB1113	517	NC-TUBE4N-6.5	276
MU10/13	132	MWE-750-750	224	N12C141705MB	437	NB1214	517	NC2238	305
MU10/17	132	<b>N</b>		N12C141705MR	437	NB1315	517	NC2239	305
MU10/21	132	N-10	231	N12C141705MY	437	NB1416	517	NC448	305
MU13	132	N-1000	225	N12C3827510MB	437	NB1517	517	NC471	305
MU13/17	132	N-12	231	N12C3827510MR	437	NB1618	517	NC473	305
MU13/21	132	N-125-FT	225	N12C3827510MY	437	NB316182.5MB	437	NCG-15	536
MU17	132	N-15	231	N12C3827515MB	437	NBM1050	113	NCG-22	536
MU17/21	132	N-16	231	N12C3827515MR	437	NBM1060	113	NCLNPT6	95
MU17/26	132	N-18	231	N12C3827515MY	437	NBM840	113	NCSNPT1	95
MU21	132	N-187	225	N12C3827525MB	437	NC-HTUBE1	276	NCSNPT112	95
MU21/26	132	N-20	231	N12C3827525MR	437	NC-HTUBE1-6.5	276	NCSNPT114	95
MU21/33	132	N-25	231	N12C3827525MY	437	NC-HTUBE112	276	NCSNPT12	95
MU26	132	N-250	225	N12C382755MB	437	NC-HTUBE112-6.5	276	NCSNPT2	95
MU26/33	132	N-3	231	N12C382755MR	437	NC-HTUBE112N-6.5	276	NCSNPT212	95
MU33	132	N-312	225	N12C382755MY	437	NC-HTUBE114	276	NCSNPT3	95
MVS-12	597	N-375	225	N12C382757.5MB	437	NC-HTUBE114-6.5	276	NCSNPT34	95
MVS-14	597	N-4	231	N12C51623225MB	437	NC-HTUBE114N	276	NCSNPT4	95
MVS-18	597	N-500	225	N12C51623225MR	437	NC-HTUBE114N-6.5	276	NCSNPT6	95
MVS-34	597	N-6	231	N12C51623225MY	437	NC-HTUBE12	276	NCW-15	536
MVS-38	597	N-625	225	N12C5162327.5MB	437	NC-HTUBE12-6.5	276	NCW-22	536
MVSM-12	597	N-750	225	N12C5162327.5MR	437	NC-HTUBE12N	276	NCW-28	536
MVSM-14	597	N-8	231	N12C5162327.5MY	437	NC-HTUBE12N-6.5	276	NFV-2	675
MVSM-18	597	N-875	225	N12C5162335MB	437	NC-HTUBE1N	276	NFV-3	675
MVSM-34	597	N10/1	529	N12C5162335MR	437	NC-HTUBE1N-6.5	276	NFV-4	675
MVSM-38	597	N10/2	529	N12C5162335MY	437	NC-HTUBE2	276	NFV-6	675
MW011504N	305	N10/3	529	N12C51623410MB	437	NC-HTUBE2-6.5	276	NHP-1	115
MW012206N	305	N12/1	529	N12C51623410MR	437	NC-HTUBE2N	276	NHP-34	115

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	N011-13	529	NOR-05917202066	543	NOR-FGRR609	545	NOR-RLGUP-19	546	NOR-TRS18-10-18	196
1	N013-15	529	NOR-05917252071	543	NOR-FGRR74	545	NOR-RLGUP-21	546	NOR-TRS18-15-18	196
2	N014-17	529	NOR-05917252076	543	NOR-FGRR769	545	NOR-RLGUP-22	546	NOR-TRS4-6-4	196
3	N015-18	529	NOR-05917252082	543	NOR-FGRR85	545	NOR-RLGUP-25	546	NOR-TRS6-4-6	196
4	N017-20	529	NOR-05917252088	543	NOR-FGRR896	545	NOR-RLGUP-28	546	NOR-TRS8-4-8	196
5	N019-22	529	NOR-05917252094	543	NOR-GES10R14	195	NOR-RLGUP-29	546	NOR-TRS8-6-8	196
6	N020-23	529	NOR-05917252101	543	NOR-GES10R38	195	NOR-RLGUP-32	546	NOR-TS10	196
7	N022-25	529	NOR-05917252108	543	NOR-GES12R12	195	NOR-RLGUP-35	546	NOR-TS12	196
8	N023-26	529	NOR-05917252117	543	NOR-GES12R38	195	NOR-RLGUP-40	546	NOR-TS13	196
9	N023-27	529	NOR-05917252126	543	NOR-GES14R12	195	NOR-RLGUP-44	546	NOR-TS14	196
A	N025-28	529	NOR-05917302135	543	NOR-GES16R12	195	NOR-RLGUP-5	546	NOR-TS15	196
B	N028-31	529	NOR-05917302145	543	NOR-GES16R34	195	NOR-RLGUP-6	546	NOR-TS16	196
C	N031-34	529	NOR-05917302156	543	NOR-GES19R34	195	NOR-RLGUP-8	546	NOR-TS19	196
D	N034-37	529	NOR-05917302168	543	NOR-GES25R1	195	NOR-RLGUP-9	546	NOR-TS25	196
E	N037-40	529	NOR-05917302181	543	NOR-GES4R14	195	NOR-RSGUP-10	546	NOR-TS3	196
F	N040-43	529	NOR-05917302194	543	NOR-GES4R18	195	NOR-RSGUP-12	546	NOR-TS4	196
G	N043-46	529	NOR-05917302207	543	NOR-GES5R14	195	NOR-RSGUP-13	546	NOR-TS5	196
H	N05-7	529	NOR-05917302220	543	NOR-GES6R14	195	NOR-RSGUP-16	546	NOR-TS6	196
I	N07-9	529	NOR-05917302233	543	NOR-GES6R18	195	NOR-RSGUP-19	546	NOR-TS7	196
J	N08-11	529	NOR-05917302246	543	NOR-GES6R38	195	NOR-RSGUP-21	546	NOR-TS8	196
K	N09-11	529	NOR-1	543	NOR-GES8R12	195	NOR-RSGUP-22	546	NOR-WES10R14	195
L	N09-12	529	NOR-1A	543	NOR-GES8R14	195	NOR-RSGUP-25	546	NOR-WES10R38	195
M	NOR-05738400026	545	NOR-2	543	NOR-GES8R38	195	NOR-RSGUP-28	546	NOR-WES12R12	195
N	NOR-05738400033	545	NOR-2A	543	NOR-GRS10-6	196	NOR-RSGUP-30	546	NOR-WES12R38	195
O	NOR-05738400042	545	NOR-2X	543	NOR-GRS10-8	196	NOR-RSGUP-32	546	NOR-WES19R34	195
P	NOR-05738400048	545	NOR-3	543	NOR-GRS12-10	196	NOR-RSGUP-35	546	NOR-WES25R1	195
Q	NOR-05738400060	545	NOR-3X	543	NOR-GRS12-8	196	NOR-RSGUP-6	546	NOR-WES4R14	195
R	NOR-05738400076	545	NOR-4	543	NOR-GRS4-3	196	NOR-RSGUP-8	546	NOR-WES4R18	195
S	NOR-05738400088	545	NOR-4X	543	NOR-GRS5-4	196	NOR-RSGUU-12	546	NOR-WES6R14	195
T	NOR-05738400114	545	NOR-5	543	NOR-GRS6-4	196	NOR-RSGUU-13	546	NOR-WES6R18	195
U	NOR-05738400139	545	NOR-8880000003	546	NOR-GRS8-4	196	NOR-RSGUU-16	546	NOR-WES6R38	195
V	NOR-05738400168	545	NOR-8880000080	546	NOR-GRS8-6	196	NOR-RSGUU-19	546	NOR-WES8R12	195
W	NOR-05738400180	545	NOR-BSTR18	195	NOR-GS10	195	NOR-RSGUU-21	546	NOR-WES8R14	195
X	NOR-05738400193	545	NOR-BSTR38	195	NOR-GS12	195	NOR-RSGUU-22	546	NOR-WES8R18	195
Y	NOR-05738400206	545	NOR-COBRA10	544	NOR-GS13	195	NOR-RSGUU-25	546	NOR-WS10	196
Z	NOR-05738400219	545	NOR-COBRA105	544	NOR-GS14	195	NOR-RSGUU-28	546	NOR-WS12	196
	NOR-05738400267	545	NOR-COBRA11	544	NOR-GS16	195	NOR-RSGUU-30	546	NOR-WS13	196
	NOR-05738400355	545	NOR-COBRA115	544	NOR-GS19	195	NOR-RSGUU-35	546	NOR-WS14	196
	NOR-05738400406	545	NOR-COBRA12	544	NOR-GS25	195	NOR-RSGUU-6	546	NOR-WS15	196
	NOR-05738400508	545	NOR-COBRA13	544	NOR-GS3	195	NOR-SS-1	543	NOR-WS16	196
	NOR-05738400609	545	NOR-COBRA14	544	NOR-GS4	195	NOR-SS-1A	543	NOR-WS19	196
	NOR-05778400219	545	NOR-COBRA15	544	NOR-GS5	195	NOR-SS-1X	543	NOR-WS25	196
	NOR-05788400026	545	NOR-COBRA16	544	NOR-GS6	195	NOR-SS-2	543	NOR-WS3	196
	NOR-05788400033	545	NOR-COBRA17	544	NOR-GS8	195	NOR-SS-2A	543	NOR-WS4	196
	NOR-05788400042	545	NOR-COBRA18	544	NOR-HD118	543	NOR-SS-2X	543	NOR-WS5	196
	NOR-05788400048	545	NOR-COBRA19	544	NOR-HD130	543	NOR-SS-3	543	NOR-WS6	196
	NOR-05788400060	545	NOR-COBRA20	544	NOR-HD143	543	NOR-SS-3X	543	NOR-WS8	196
	NOR-05788400076	545	NOR-COBRA21	544	NOR-HD168	543	NOR-SS-4	543	NOR-YRS4-6-4	196
	NOR-05788400088	545	NOR-COBRA24	544	NOR-HD181	543	NOR-SS-4X	543	NOR-YRS6-8-6	196
	NOR-05788400114	545	NOR-COBRA26	544	NOR-HD194	543	NOR-SS-5	543	NOR-YS10	196
	NOR-05788400139	545	NOR-COBRA27	544	NOR-HD232	543	NOR-SS-75-12	543	NOR-YS12	196
	NOR-05788400168	545	NOR-COBRA28	544	NOR-HD45	543	NOR-SS-75-16	543	NOR-YS13	196
	NOR-05917182018	543	NOR-COBRA29	544	NOR-HD54	543	NOR-SS-75-18	543	NOR-YS14	196
	NOR-05917182020	543	NOR-COBRA75	544	NOR-HD67	543	NOR-SS-M00	543	NOR-YS16	196
	NOR-05917182022	543	NOR-COBRA8	544	NOR-HD79	543	NOR-SS-O	543	NOR-YS19	196
	NOR-05917182024	543	NOR-COBRA9	544	NOR-HD92	543	NOR-SS-00	543	NOR-YS3	196
	NOR-05917182026	543	NOR-FGRR1029	545	NOR-KS12	196	NOR-SS-000	543	NOR-YS4	196
	NOR-05917182028	543	NOR-FGRR106	545	NOR-KS4	196	NOR-TES10R38	195	NOR-YS5	196
	NOR-05917182030	543	NOR-FGRR111	545	NOR-KS5	196	NOR-TES6R18	195	NOR-YS6	196
	NOR-05917182033	543	NOR-FGRR1154	545	NOR-KS6	196	NOR-TESBR14	195	NOR-YS8	196
	NOR-05917182036	543	NOR-FGRR156	545	NOR-M00	543	NOR-TRS10-13-10	196	NOZ-MAB	655
	NOR-05917182039	543	NOR-FGRR170	545	NOR-O	543	NOR-TRS10-6-10	196	NOZ.C	651
	NOR-05917182042	543	NOR-FGRR355	545	NOR-O0	543	NOR-TRS10-8-10	196	NOZ.S3000	651
	NOR-05917202045	543	NOR-FGRR429	545	NOR-O00	543	NOR-TRS12-10-12	196	NOZA.120S	651
	NOR-05917202049	543	NOR-FGRR45	545	NOR-RLGUP-10	546	NOR-TRS12-6-12	196	NOZA.250S	654
	NOR-05917202053	543	NOR-FGRR488	545	NOR-RLGUP-12	546	NOR-TRS12-8-12	196	NOZA.60S	651
	NOR-05917202057	543	NOR-FGRR549	545	NOR-RLGUP-13	546	NOR-TRS15-6-15	196	NOZA.SS	651
	NOR-05917202061	543	NOR-FGRR576	545	NOR-RLGUP-16	546	NOR-TRS15-8-15	196	NOZA.X	651

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
NOZA.X25	651	NRH516-25B	435	NTM06/040G-100	434	ODSCV3838	451	OM10	151
NPC15	306	NRH516-25R	435	NTM06/040N	434	ODSCV51638	451	OM12	151
NPT62000114	202	NRH516-25Y	435	NTM06/040N-100	434	ODT316L-W-H-1.0	235	OM15	151
NPT62001010	202	NRH516-40B	435	NTM06/040R	434	ODT316L-W-H-1.5	235	OM16	151
NPT62001313	202	NRH516-40R	435	NTM06/040R-100	434	ODT316L-W-H-2	235	OM18	151
NPT62001717	202	NRH516-40Y	435	NTM06/040Y	434	ODT316L-W-H-2.5	235	OM22	151
NPT62002121	202	NTA1	95	NTM06/040Y-100	434	ODT316L-W-H-3	235	OM28	151
NPT62002727	202	NTA112	95	NTM06/045	434	ODT316L-W-H-4	235	OMB04	151
NPT62003232	202	NTA114	95	NTM08/055	434	OE-1	201	OMB05	151
NPT62004242	202	NTA2	95	NTM08/055N	434	OE-112	201	OMB06	151
NPT62004848	202	NTC1	95	NTM08/060	434	OE-114	201	OMB08	151
NPT62006060	202	NTC112	95	NTM08/060-100	434	OE-12	201	OMB10	151
NPT62007676	202	NTC114	95	NTM08/060-500	434	OE-14	201	OMB12	151
NPT62008989	202	NTC12	95	NTM08/060B	434	OE-18	201	OMB15	151
NPT62041310	203	NTC2	95	NTM08/060B-100	434	OE-2	201	OMB16	151
NPT62041713	203	NTC34	95	NTM08/060G	434	OE-212	201	OMC-10-250EO	226
NPT62042117	203	NTI1/813	435	NTM08/060N	434	OE-3	201	OMC-10-375EO	226
NPT62042721	203	NTI12/375	435	NTM08/060N-100	434	OE-34	201	OMC-10-500EO	226
NPT62043227	203	NTI12/375B	435	NTM08/060R	434	OE-38	201	OMC-1000-1312SE	219
NPT62044232	203	NTI12/375G	435	NTM08/060Y	434	OE-4	201	OMC-12-250EO	226
NPT62044842	203	NTI12/375N	435	NTM10/070	434	OEMC14	451	OMC-12-375EO	226
NPT62046048	203	NTI12/375R	435	NTM10/070B	434	OEMC38	451	OMC-12-500EO	226
NPT62047660	203	NTI12/375Y	435	NTM10/070G	434	OEMC3814	451	OMC-125-312SE	219
NPT62048976	203	NTI14/170	435	NTM10/070N	434	OET0041	538	OMC-187-375SE	219
NPT62060114	204	NTI14/170B	435	NTM10/070R	434	OET0045	538	OMC-250-250EO	219
NPT62061010	204	NTI14/170G	435	NTM10/070Y	434	OET0305	538	OMC-250-437SE	219
NPT62061313	204	NTI14/170N	435	NTM10/080	434	OET0507	538	OMC-250-500EO	219
NPT62061717	204	NTI14/170R	435	NTM10/080-100	434	OET0709	538	OMC-312-500SE	219
NPT62062121	204	NTI14/170Y	435	NTM10/080B	434	OET0811	538	OMC-375-375EO	219
NPT62062727	204	NTI18/075	435	NTM10/080B-100	434	OET0911	538	OMC-375-562SE	219
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NPT62064242	204	NTI316/117N	435	NTM10/080N	434	OET1315	538	OMC-500-375EO	219
NPT62064848	204	NTI34/594	435	NTM10/080N-100	434	OET1517	538	OMC-500-500EO	219
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NPT62067676	204	NTI38/250B	435	NTM10/080Y	434	OET1619	538	OMC-6-125EO	226
NPT62068989	204	NTI38/250G	435	NTM12/090	434	OET1720	538	OMC-6-250EO	226
NPT62181000	202	NTI38/250N	435	NTM12/090B	434	OET1922	538	OMC-6-375EO	226
NPT62181300	202	NTI38/250R	435	NTM12/090G	434	OET2023	538	OMC-6-500EO	226
NPT62181700	202	NTI38/250Y	435	NTM12/090N	434	OET2225	538	OMC-750-1062SE	219
NPT62182100	202	NTI516/212	435	NTM12/090R	434	OET2327	538	OMC-750-750EO	219
NPT62182700	202	NTI516/212B	435	NTM12/090Y	434	OET2528	538	ON14	451
NPT62183200	202	NTI516/212N	435	NTM12/100	434	OET2731	538	ON38	451
NPT62184200	202	NTI516/212R	435	NTM12/100N	434	OET2831	538	OO-MS	513
NPT62184800	202	NTI532/096	435	NTM12/100R	434	OET3134	538	OO-MS-BOX	513
NPT62186000	202	NTI58/500	435	NTM14/110	434	OET3437	538	OO-SS	513
NPT62187600	202	NTM04/025	434	NTM14/110N	434	OET3740	538	OOO-MS	513
NPT62188900	202	NTM04/025-100	434	NTM15/120	434	OET4043	538	OOO-MS-BOX	513
NRH12-12B	435	NTM04/025B	434	NTM16/130	434	OG50-010	638	OOO-SS	513
NRH12-12R	435	NTM04/025G	434	NTM18/140	434	OG50-050	638	OP1	529
NRH12-12Y	435	NTM04/025N	434	NTM22/170	434	OIO2	151	OPAN14	672
NRH12-25B	435	NTM04/025R	434	NTSWC112	95	OIO3	151	OPAN6	672
NRH12-25R	435	NTM04/025Y	434	NTSWC2	95	OIO4	151	OPS-15	536
NRH12-25Y	435	NTM04/030	434	NU-1000-1000AN	224	OIO5	151	OPS-22	536
NRH12-40B	435	NTM05/030	434	NU-125-125AN	224	OIO6	151	OPS-28	536
NRH12-40R	435	NTM05/030-100	434	NU-125-250AN	224	OIO8	151	ORK1	842
NRH12-40Y	435	NTM05/030B	434	NU-250-250AN	224	OIO10	151	ORK2	842
NRH38-12B	435	NTM05/030G	434	NU-312-312AN	224	OIO12	151	ORK5	842
NRH38-12R	435	NTM05/030N	434	NU-375-250AN	224	OIB02	151	OSG	666
NRH38-12Y	435	NTM05/030R	434	NU-375-375AN	224	OIB03	151	OT1414	451
NRH38-25B	435	NTM05/030Y	434	NU-500-500AN	224	OIB04	151	OT1438	451
NRH38-25R	435	NTM05/033	434	NU-750-750AN	224	OIB05	151	OT38	451
NRH38-25Y	435	NTM06/040	434	<b>O</b>		OIB06	151	OT516	451
NRH38-40B	435	NTM06/040-100	434	O-MS	513	OIB08	151	OTR445-10NL-08	446
NRH38-40R	435	NTM06/040-500	434	O-MS-BOX	513	OIL-M10C	652	OTR445-10NL-10	446
NRH38-40Y	435	NTM06/040-500B	434	O-SS	513	OM04	151	OX-MS	513
NRH516-12B	435	NTM06/040B	434	OC-KIT-MS	531	OM05	151	OX-MS-BOX	513
NRH516-12R	435	NTM06/040B-100	434	ODSCV1414	451	OM06	151	OX-SS	513
NRH516-12Y	435	NTM06/040G	434	ODSCV1438	451	OM08	151		

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	<b>P</b>		PB1/4-01	<b>379</b>	PC-8	<b>230</b>	PCLAMPS-104-5	<b>286</b>	PCLAMPS-147-2	<b>287</b>
1	P-10	<b>231</b>	PB1/4-02	<b>379</b>	PC1/2-02	<b>379</b>	PCLAMPS-116-1	<b>286</b>	PCLAMPS-147-3	<b>287</b>
2	P-1000	<b>225</b>	PB1/4-N01	<b>379</b>	PC1/2-03	<b>379</b>	PCLAMPS-116-2	<b>286</b>	PCLAMPS-147-4	<b>287</b>
3	P-12	<b>231</b>	PB1/4-N02	<b>379</b>	PC1/2-04	<b>379</b>	PCLAMPS-116-3	<b>286</b>	PCLAMPS-148-1	<b>288</b>
4	P-125	<b>225</b>	PB1/8-N01	<b>379</b>	PC1/4-01	<b>379</b>	PCLAMPS-116-4	<b>286</b>	PCLAMPS-148-2	<b>288</b>
5	P-15	<b>231</b>	PB1/8-N02	<b>379</b>	PC1/4-02	<b>379</b>	PCLAMPS-116-5	<b>286</b>	PCLAMPS-148-3	<b>288</b>
6	P-16	<b>231</b>	PB3/8-01	<b>379</b>	PC10-12	<b>529</b>	PCLAMPS-119-1	<b>286</b>	PCLAMPS-148-4	<b>288</b>
7	P-18	<b>231</b>	PB3/8-02	<b>379</b>	PC11-13	<b>529</b>	PCLAMPS-119-2	<b>286</b>	PCLAMPS-149-1	<b>288</b>
8	P-187	<b>225</b>	PB3/8-04	<b>379</b>	PC13-15	<b>529</b>	PCLAMPS-119-3	<b>286</b>	PCLAMPS-149-2	<b>288</b>
9	P-20	<b>231</b>	PB3/8-N01	<b>379</b>	PC14-16	<b>529</b>	PCLAMPS-119-4	<b>286</b>	PCLAMPS-149-3	<b>288</b>
A	P-22	<b>231</b>	PB3/8-N02	<b>379</b>	PC15-17	<b>529</b>	PCLAMPS-119-5	<b>286</b>	PCLAMPS-149-4	<b>288</b>
B	P-25	<b>231</b>	PB3/8-N04	<b>379</b>	PC15E	<b>301</b>	PCLAMPS-125-1	<b>286</b>	PCLAMPS-149-5	<b>288</b>
C	P-250	<b>225</b>	PBCCURT3	<b>93</b>	PC15W	<b>306</b>	PCLAMPS-125-2	<b>286</b>	PCLAMPS-150-2	<b>288</b>
D	P-3-FT	<b>231</b>	PBCCURT4	<b>93</b>	PC16-18	<b>529</b>	PCLAMPS-125-3	<b>286</b>	PCLAMPS-150-3	<b>288</b>
E	P-312	<b>225</b>	PBCWOC112	<b>93</b>	PC17-19	<b>529</b>	PCLAMPS-125-4	<b>286</b>	PCLAMPS-150-4	<b>288</b>
F	P-375	<b>225</b>	PBCWOC2	<b>93</b>	PC18-20	<b>529</b>	PCLAMPS-125-5	<b>286</b>	PCLAMPS-158-2	<b>288</b>
G	P-4	<b>231</b>	PBCWOC212	<b>93</b>	PC21-23	<b>529</b>	PCLAMPS-125H-3	<b>286</b>	PCLAMPS-158-3	<b>288</b>
H	P-500	<b>225</b>	PBCWOCBSP3	<b>93</b>	PC22E	<b>301</b>	PCLAMPS-125H-4	<b>286</b>	PCLAMPS-158-4	<b>288</b>
I	P-6-FT	<b>231</b>	PBCWOCBSP4	<b>93</b>	PC22W	<b>306</b>	PCLAMPS-128-1	<b>286</b>	PCLAMPS-160-2	<b>288</b>
J	P-625	<b>225</b>	PBCWOCURT3	<b>93</b>	PC23-25	<b>529</b>	PCLAMPS-128-2	<b>286</b>	PCLAMPS-160-3	<b>288</b>
K	P-750	<b>225</b>	PBCWOCURT4	<b>93</b>	PC26-28	<b>529</b>	PCLAMPS-128-3	<b>286</b>	PCLAMPS-160-4	<b>288</b>
L	P-8	<b>231</b>	PBPQ2SNP	<b>136</b>	PC28E	<b>301</b>	PCLAMPS-128-4	<b>286</b>	PCLAMPS-160-5	<b>288</b>
M	P-875	<b>225</b>	PBPQ6SNP	<b>136</b>	PC28W	<b>306</b>	PCLAMPS-129-2	<b>286</b>	PCLAMPS-161-1	<b>288</b>
N	P1099	<b>529</b>	PBPQ8SNP	<b>136</b>	PC3/8-01	<b>379</b>	PCLAMPS-129-3	<b>286</b>	PCLAMPS-161-2	<b>288</b>
O	P3	<b>690</b>	PBPWOC112	<b>93</b>	PC3/8-02	<b>379</b>	PCLAMPS-129-4	<b>286</b>	PCLAMPS-161-3	<b>288</b>
P	P300	<b>779</b>	PBPWOC2	<b>93</b>	PC3/8-04	<b>379</b>	PCLAMPS-130-2	<b>286</b>	PCLAMPS-161-3/2	<b>288</b>
Q	P301	<b>779</b>	PBPWOC212	<b>93</b>	PC30-32	<b>529</b>	PCLAMPS-130-3	<b>286</b>	PCLAMPS-161-4	<b>288</b>
R	P302	<b>779</b>	PBPWOCBSP3	<b>93</b>	PC44-46	<b>529</b>	PCLAMPS-131-1	<b>287</b>	PCLAMPS-161-4/2	<b>288</b>
S	P303	<b>779</b>	PBPWOCURT3	<b>93</b>	PC8-10	<b>529</b>	PCLAMPS-131-2	<b>287</b>	PCLAMPS-165-1	<b>288</b>
T	P304	<b>779</b>	PBPWOCURT4	<b>93</b>	PCC-22	<b>536</b>	PCLAMPS-131-3	<b>287</b>	PCLAMPS-165-3	<b>288</b>
U	P305	<b>779</b>	PBR205	<b>816</b>	PCC-28	<b>536</b>	PCLAMPS-131-4	<b>287</b>	PCLAMPS-165-5	<b>288</b>
V	P306	<b>779</b>	PBT02SNP	<b>136</b>	PCF1/2-02	<b>379</b>	PCLAMPS-131-5	<b>287</b>	PCLAMPS-167-1	<b>289</b>
W	P307	<b>779</b>	PBT04SNP	<b>136</b>	PCF1/2-03	<b>379</b>	PCLAMPS-132-1	<b>287</b>	PCLAMPS-167-2	<b>289</b>
X	P308	<b>779</b>	PBT06SNP	<b>136</b>	PCF1/2-04	<b>379</b>	PCLAMPS-132-2	<b>287</b>	PCLAMPS-167-3	<b>289</b>
Y	P310	<b>779</b>	PBVX.0404.002	<b>77</b>	PCF1/4-01	<b>379</b>	PCLAMPS-132-3	<b>287</b>	PCLAMPS-167-4	<b>289</b>
Z	P311	<b>779</b>	PBVX.0404.003	<b>77</b>	PCF1/4-02	<b>379</b>	PCLAMPS-132-4	<b>287</b>	PCLAMPS-167-5	<b>289</b>
	P312	<b>779</b>	PBVX.0606.002	<b>77</b>	PCF3/8-01	<b>379</b>	PCLAMPS-132-5	<b>287</b>	PCLAMPS-167M-3	<b>289</b>
	P313	<b>779</b>	PBVX.0606.003	<b>77</b>	PCF3/8-02	<b>379</b>	PCLAMPS-133-1	<b>287</b>	PCLAMPS-167M-4	<b>289</b>
	P314	<b>779</b>	PBVX.1010.002	<b>77</b>	PCF3/8-04	<b>379</b>	PCLAMPS-133-2	<b>287</b>	PCLAMPS-168-2	<b>289</b>
	P315	<b>779</b>	PBVX.1010.003	<b>77</b>	PCFF01-01	<b>368</b>	PCLAMPS-133-3	<b>287</b>	PCLAMPS-168-3	<b>289</b>
	P330	<b>779</b>	PBVX.1313.002	<b>77</b>	PCFF02-02	<b>368</b>	PCLAMPS-133-4	<b>287</b>	PCLAMPS-168-4	<b>289</b>
	P334	<b>779</b>	PBVX.1313.003	<b>77</b>	PCFF03-03	<b>368</b>	PCLAMPS-133-5	<b>287</b>	PCLAMPS-168M-4	<b>289</b>
	P6	<b>690</b>	PBVX.2019.002	<b>77</b>	PCFF04-04	<b>368</b>	PCLAMPS-134-2	<b>287</b>	PCLAMPS-169-1	<b>289</b>
	P6320/019	<b>446</b>	PBVX.2019.003	<b>77</b>	PCFI04C	<b>61</b>	PCLAMPS-134-3	<b>287</b>	PCLAMPS-169-2	<b>289</b>
	P6320/025	<b>446</b>	PBVX.2525.002	<b>77</b>	PCFI06C	<b>61</b>	PCLAMPS-134-4	<b>287</b>	PCLAMPS-169-3	<b>289</b>
	PAMFURTUR34	<b>94</b>	PBVX.2525.003	<b>77</b>	PCHI05C	<b>61</b>	PCLAMPS-135-2	<b>287</b>	PCLAMPS-169-4	<b>289</b>
	PAVX.0606.002	<b>77</b>	PBVX.3931.002	<b>77</b>	PCHI06C	<b>61</b>	PCLAMPS-135-3	<b>287</b>	PCLAMPS-169M	<b>289</b>
	PAVX.0606.003	<b>77</b>	PBVX.3931.003	<b>77</b>	PCLAMP-TUBE1-325	<b>288</b>	PCLAMPS-135-4	<b>287</b>	PCLAMPS-170-1	<b>289</b>
	PAVX.1010.002	<b>77</b>	PBVX.3939.002	<b>77</b>	PCLAMP-TUBE1-6.5	<b>288</b>	PCLAMPS-138-1	<b>287</b>	PCLAMPS-170-2	<b>289</b>
	PAVX.1010.003	<b>77</b>	PBVX.3939.003	<b>77</b>	PCLAMP-TUBE2-325	<b>288</b>	PCLAMPS-138-2	<b>287</b>	PCLAMPS-170-3	<b>289</b>
	PAVX.1313.002	<b>77</b>	PBVX.5051.002	<b>77</b>	PCLAMP-TUBE2-6.5	<b>288</b>	PCLAMPS-138-3	<b>287</b>	PCLAMPS-170-4	<b>289</b>
	PAVX.1313.003	<b>77</b>	PBVX.5051.003	<b>77</b>	PCLAMP-TUBE3-325	<b>288</b>	PCLAMPS-138-4	<b>287</b>	PCLAMPS-170-5	<b>289</b>
	PAVX.2019.002	<b>77</b>	PC-10	<b>230</b>	PCLAMP-TUBE3-6.5	<b>288</b>	PCLAMPS-140-1	<b>287</b>	PCLAMPS-171-1	<b>289</b>
	PAVX.2019.003	<b>77</b>	PC-1000	<b>225</b>	PCLAMP-TUBE4-325	<b>288</b>	PCLAMPS-140-2	<b>287</b>	PCLAMPS-171-2	<b>289</b>
	PAVX.2525.002	<b>77</b>	PC-12-FT	<b>230</b>	PCLAMP-TUBE4-6.5	<b>288</b>	PCLAMPS-140-3	<b>287</b>	PCLAMPS-171-3	<b>289</b>
	PAVX.2525.003	<b>77</b>	PC-125	<b>225</b>	PCLAMP-TUBE5-325	<b>288</b>	PCLAMPS-143-1	<b>287</b>	PCLAMPS-171-4	<b>289</b>
	PAVX.3031.002	<b>77</b>	PC-15-FT	<b>230</b>	PCLAMP-TUBE5-6.5	<b>288</b>	PCLAMPS-143-2	<b>287</b>	PCLAMPS-171-5	<b>289</b>
	PAVX.3031.003	<b>77</b>	PC-16	<b>230</b>	PCLAMPS-101-1	<b>286</b>	PCLAMPS-143-3	<b>287</b>	PCLAMPS-173-2	<b>289</b>
	PAVX.3939.002	<b>77</b>	PC-18-FT	<b>230</b>	PCLAMPS-101-2	<b>286</b>	PCLAMPS-143-4	<b>287</b>	PCLAMPS-173-3	<b>289</b>
	PAVX.3939.003	<b>77</b>	PC-20	<b>230</b>	PCLAMPS-101-3	<b>286</b>	PCLAMPS-144-2	<b>287</b>	PCLAMPS-173-4	<b>289</b>
	PAVX.5051.002	<b>77</b>	PC-25	<b>230</b>	PCLAMPS-101-4	<b>286</b>	PCLAMPS-144-3	<b>287</b>	PCLAMPS-173F-1	<b>289</b>
	PAVX.5051.003	<b>77</b>	PC-250	<b>225</b>	PCLAMPS-101-4/3	<b>286</b>	PCLAMPS-144-4	<b>287</b>	PCLAMPS-173F-2	<b>289</b>
	PB1/2-02	<b>379</b>	PC-3	<b>230</b>	PCLAMPS-101-5	<b>286</b>	PCLAMPS-145-2	<b>287</b>	PCLAMPS-173F-3	<b>289</b>
	PB1/2-03	<b>379</b>	PC-312	<b>225</b>	PCLAMPS-101-5/4	<b>286</b>	PCLAMPS-145-3	<b>287</b>	PCLAMPS-173F-5	<b>289</b>
	PB1/2-04	<b>379</b>	PC-375	<b>225</b>	PCLAMPS-104-1	<b>286</b>	PCLAMPS-145-4	<b>287</b>	PCLAMPS-173M-2	<b>290</b>
	PB1/2-N02	<b>379</b>	PC-500	<b>225</b>	PCLAMPS-104-2	<b>286</b>	PCLAMPS-146-2	<b>287</b>	PCLAMPS-173M-3	<b>290</b>
	PB1/2-N03	<b>379</b>	PC-6	<b>230</b>	PCLAMPS-104-3	<b>286</b>	PCLAMPS-146-3	<b>287</b>	PCLAMPS-173M-4	<b>290</b>
	PB1/2-N04	<b>379</b>	PC-750	<b>225</b>	PCLAMPS-104-4	<b>286</b>	PCLAMPS-146-4	<b>287</b>	PCLAMPS-173M-5	<b>290</b>



Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
PCLAMPS-176-2	290	PCVF03-03	368	PE-701.032	353	PE-707.050	353	PE-720022	355
PCLAMPS-176-3	290	PCVF04-04	368	PE-701.040	353	PE-707.063	353	PE-720025	355
PCLAMPS-176-4	290	PCVU04	368	PE-701.050	353	PE-708.016	353	PE-720026	355
PCLAMPS-176-5	290	PCVU06	368	PE-701.063	353	PE-708.020	353	PE-720032	355
PCLAMPS-179-1	290	PCVU08	368	PE-701.075	353	PE-708.024	353	PE-720033	355
PCLAMPS-179-2	290	PCVU10	368	PE-701.090	353	PE-708.025	353	PE-720041	355
PCLAMPS-179-3	290	PCZRAB1	521	PE-701.110	353	PE-708.031	353	PE-721020	355
PCLAMPS-179-4	290	PE-000.715	355	PE-702.020	353	PE-708.032	353	PE-721021	355
PCLAMPS-182-2	290	PE-04025-0100M-B	441	PE-702.025	353	PE-708.040	353	PE-721022	355
PCLAMPS-182-3	290	PE-04025-0100M-E	441	PE-702.031	353	PE-708.050	353	PE-721025	355
PCLAMPS-182-4	290	PE-04025-0100M-N	441	PE-702.032	353	PE-708.063	353	PE-721026	355
PCLAMPS-184-2	290	PE-0604-0100M-B	441	PE-702.040	353	PE-709.016	354	PE-721027	355
PCLAMPS-184-4	290	PE-0604-0100M-E	441	PE-702.049	353	PE-709.020	354	PE-721032	355
PCLAMPS-198-2	290	PE-0604-0100M-N	441	PE-702.050	353	PE-709.025	354	PE-721033	355
PCLAMPS-198-3	290	PE-0604-0100M-R	441	PE-702.063	353	PE-709.032	354	PE-721034	355
PCLAMPS-198-4	290	PE-0806-100M-B	441	PE-703.016	353	PE-709.040	354	PE-721040	355
PCLAMPS-199-3	290	PE-0806-100M-E	441	PE-703.020	353	PE-709.050	354	PE-721041	355
PCLAMPS-199-4	290	PE-0806-100M-N	441	PE-703.022	353	PE-709.063	354	PE-721042	355
PCLAMPS-201-2	290	PE-1007-100M-B	441	PE-703.024	353	PE-709.075	354	PE-722020	355
PCLAMPS-201-4	290	PE-1007-100M-E	441	PE-703.025	353	PE-710.016	354	PE-722025	355
PCLAMPS-204-2	290	PE-1007-100M-N	441	PE-703.027	353	PE-710.020	354	PE-722032	355
PCLAMPS-204-4	290	PE-1007-100M-R	441	PE-703.031	353	PE-710.024	354	PE-722040	355
PCLAMPS-219-2	290	PE-1209-100M-B	441	PE-703.032	353	PE-710.025	354	PE-723020	355
PCLAMPS-219-4	290	PE-1209-100M-E	441	PE-703.039	353	PE-710.031	354	PE-723021	355
PCLAMPS-224-2	290	PE-1209-100M-R	441	PE-703.040	353	PE-710.032	354	PE-723025	355
PCLAMPS-224-3	290	PE-140020CX	356	PE-703.050	353	PE-710.040	354	PE-723026	355
PCLAMPS-224-4	290	PE-140025CX	356	PE-703.063	353	PE-710.050	354	PE-723033	355
PCLAMPS-225-2	290	PE-140025U	356	PE-703.075	353	PE-710.063	354	PE-723120	355
PCLAMPS-225-4	290	PE-140031U	356	PE-703.090	353	PE-710.090	354	PE-723121	355
PCLAMPS-233	291	PE-140032CX	356	PE-703.110	353	PE-711.020	354	PE-723125	355
PCLAMPS-235-1-2	291	PE-140032U	356	PE-704.016	353	PE-711.025	354	PE-723126	355
PCLAMPS-2353-4-5	291	PE-140040CX	356	PE-704.020	353	PE-711.032	354	PE-723132	355
PCLAMPS-GS3-1-2	291	PE-140040U	356	PE-704.021	353	PE-711.050	354	PE-723133	355
PCLAMPS-GS3-3-4	291	PE-140050CX	356	PE-704.024	353	PE-711.063	354	PE-723220	355
PCLAMPS-GS3-4-5	291	PE-140063CX	356	PE-704.025	353	PE-712.020	354	PE-723221	355
PCLIP-KIT-MS	531	PE-141020C	356	PE-704.026	353	PE-712.025	354	PE-723225	355
PCLIP-KIT-SS	531	PE-141024CU	356	PE-704.031	353	PE-713.025	354	PE-723226	355
PCMI04C	61	PE-141025C	356	PE-704.032	353	PE-713.032	354	PE-723232	355
PCMI06C	61	PE-141025CU	356	PE-704.033	353	PE-713.040	354	PE-723233	355
PCSE	301	PE-141025UM	356	PE-704.039	353	PE-713.063	354	PE-724001	356
PCSRAB1	521	PE-141030UM	356	PE-704.040	353	PE-714.050	354	PE-724002	356
PCSW	306	PE-141031CU	356	PE-704.041	353	PE-714.063	354	PE-724003	356
PCT112	91	PE-141031UM	356	PE-704.049	353	PE-714.075	354	PE-724004	356
PCT2	91	PE-141032C	356	PE-704.050	353	PE-714.090	354	PE-724005	356
PCT212	91	PE-141032CU	356	PE-704.051	353	PE-715.020	355	PE-724006	356
PCT3BSP	91	PE-141032UM	356	PE-704.063	353	PE-715.025	355	PE-724007	356
PCT3URT	92	PE-141040C	356	PE-704.074	353	PE-715.032	355	PE-724008	356
PCT4BSP	91	PE-141040CU	356	PE-704.075	353	PE-716016	355	PE-724010	356
PCT4URT	92	PE-141040UM	356	PE-704.090	353	PE-716020	355	PE-724011	356
PCU15	184	PE-141041UM	356	PE-705.016	353	PE-716025	355	PE-724012	356
PCU22	184	PE-141050C	356	PE-705.020	353	PE-716032	355	PE-724013	356
PCU28	184	PE-141063C	356	PE-705.025	353	PE-716040	355	PE-724014	356
PCU35	184	PE-142020C	356	PE-705.032	353	PE-717020	355	PE-724016	356
PCU42	184	PE-142024UM	356	PE-705.050	353	PE-717025	355	PE-724120	356
PCU54	184	PE-142025C	356	PE-705.063	353	PE-717032	355	PE-724121	356
PCU67	184	PE-142025UM	356	PE-706.016	353	PE-717040	355	PE-724125	356
PCVC04-01	368	PE-142030UM	356	PE-706.020	353	PE-717050	355	PE-724126	356
PCVC04-02	368	PE-142031UM	356	PE-706.025	353	PE-718025	355	PE-724132	356
PCVC06-01	368	PE-142032C	356	PE-706.032	353	PE-718032	355	PE-724133	356
PCVC06-02	368	PE-142032UM	356	PE-706.040	353	PE-718040	355	PE-724220	356
PCVC08-01	368	PE-142040C	356	PE-706.050	353	PE-718050	355	PE-724221	356
PCVC08-02	368	PE-142040UM	356	PE-706.063	353	PE-718063	355	PE-724226	356
PCVC10-02	368	PE-142041UM	356	PE-706.090	353	PE-719032	355	PE-724233	356
PCVC10-03	368	PE-142050C	356	PE-707.020	353	PE-719040	355	PE-725020	354
PCVC12-02	368	PE-142063C	356	PE-707.024	353	PE-719050	355	PE-725025	354
PCVC12-03	368	PE-701.016	353	PE-707.025	353	PE-719063	355	PE-725032	354
PCVF01-01	368	PE-701.020	353	PE-707.031	353	PE-720020	355	PE-725050	354
PCVF02-02	368	PE-701.025	353	PE-707.032	353	PE-720021	355	PE-725075	354

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	PE-776001	354	PF0508-14-NG	432	PGB052014	637	PGR050414	636	PI0308S	400
1	PE-776002	354	PF0610-14	432	PGB052018	637	PGR050614	636	PI0312S	400
2	PE-776003	354	PF0610-14-NG	432	PGB060114	637	PGR051014	636	PI0316S	400
3	PE-776004	354	PF0812-14	432	PGB060314	637	PGR051214	636	PI0406S	399
4	PE-780020	354	PF0812-14-NG	432	PGB060414	637	PGR052014	636	PI0408S	399
5	PE-780025	354	PF0812-38	432	PGB061014	637	PGR060114	636	PI0412S	399
6	PE-780032	354	PF0812-38-NG	432	PGB061214	637	PGR061014	636	PI0416S	399
7	PE-MDPE20BLK	354	PFFN-1/4	744	PGB062014	637	PGR061214	636	PI050601S	400
8	PE-MDPE20BLU	354	PF104C	61	PGB100138	637	PGR062014	636	PI050621S	400
9	PE-MDPE25BLK	354	PF106C	61	PGB100338	637	PGR0606114	639	PI050801S	400
A	PE-MDPE25BLU	354	PFIS04C	61	PGB100438	637	PGRG060314	639	PI050802S	400
B	PE-MDPE32BLK	354	PFIS06C	61	PGB100638	637	PGRG060414	639	PI050821S	400
C	PE-MDPE32BLU	354	PFS	840	PGB101038	637	PGRG060614	639	PI050822S	400
D	PE-MDPE63BLK	354	PFS-1315L	497	PGB101238	637	PGRG061014	639	PI050823S	400
E	PE-MDPE63BLU	354	PFS-1315M	497	PGB102038	637	PGRG0612014	639	PI051202S	400
F	PE1/2	379	PFS-1320L	497	PGBG060114	639	PGRG061214	639	PI051203S	400
G	PE1/4	379	PFS-1320M	497	PGBG060314	639	PGRG061414	639	PI051212S	400
H	PE1/8	379	PFS-615H	497	PGBG060414	639	PGRG0620014	639	PI051213S	400
I	PE3/8	379	PFS-915H	497	PGBG060614	639	PGRG062014	639	PI051222S	400
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K	PEN0228W	302	PFS-915M	497	PGBG0612014	639	PGRG062514	639	PI051603S	400
L	PEN0310W	302	PFS-920L	497	PGBG061214	639	PGRG0640014	639	PI051604S	400
M	PEN03228W	302	PFS-920M	497	PGBG061414	639	PGRG064014	639	PI051623S	400
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O	PEN0428W	302	PFS-WDM1	497	PGBG062014	639	PGRG066014	639	PI060605S	401
P	PEN061510W	303	PG1/2-3/8	379	PGBG0625014	639	PGRG100712	639	PI061006S	401
Q	PEN062215W	303	PG3/8-1/4	379	PGBG062514	639	PGRG101212	639	PI061008S	401
R	PEN062815W	303	PG63-001BG	641	PGBG0640014	639	PGRG102012	639	PI061206S	401
S	PEN062822W	303	PG63-001RG	641	PGBG064014	639	PGRG102812	639	PI061208S	401
T	PEN221010W	302	PG63-002BG	641	PGBG0660014	639	PGRG104012	639	PI061210S	401
U	PEN3015AW	302	PG63-002RG	641	PGBG066014	639	PGRG114012	639	PI061610S	401
V	PEN3015BW	302	PG63-004BG	641	PGBG100112	639	PGRG120012	639	PI061612S	401
W	PEN302210AW	302	PG63-004RG	641	PGBG100212	639	PGRG128012	639	PI0806S	401
X	PEN302228W	302	PG63-006BG	641	PGBG100312	639	PGRG140012	639	PI0808S	401
Y	PEN3028AW	302	PG63-006RG	641	PGBG100412	639	PGRG170012	639	PI0812S	401
Z	PEN3028DW	302	PG63-012BG	641	PGBG100612	639	PH12.1	656	PI0816S	401
	PEN3201W	302	PG63-012RG	641	PGBG101012	639	PH12.3/4	656	PI090621S	400
	PEN3202W	302	PG63-020BG	641	PGBG101212	639	PH20.1	656	PI090801S	400
	PEN3203W	302	PG63-020RG	641	PGBG101612	639	PH20.3/4	656	PI090802S	400
	PEN3210W	302	PG63-025BG	641	PGBG102012	639	PH106C	61	PI090822S	400
	PEN532210W	305	PG63-025RG	641	PGBG1025012	639	PHIS04C	61	PI091202S	400
	PEN532215W	305	PG63-040BG	641	PGBG102512	639	PHIS06C	61	PI091203S	400
	PEN571515W	305	PG63-040RG	641	PGBG1040012	639	PI010601S	399	PI091603S	400
	PEN572222W	305	PG63-060BG	641	PGBG104012	639	PI010602S	399	PI091604S	400
	PENBTC1514	305	PG63-060RG	641	PGBG106012	639	PI010621S	399	PI091623S	400
	PEN1-1	187	PG63-120BG	641	PGBG107012	639	PI010801S	399	PI091624S	400
	PEN112-112	187	PG63-120RG	641	PGBG114012	639	PI010802S	399	PI100802S	399
	PEN114-114	187	PG63-200BG	641	PGBG120012	639	PI010812S	399	PI1206S	399
	PEN12-12	187	PG63-200RG	641	PGBG128012	639	PI010821S	399	PI1208S	399
	PEN2-2	187	PG63-250BG	641	PGBG170012	639	PI010822S	399	PI121208S	400
	PEN3-3	187	PG63-250RG	641	PGBP040318	637	PI010823S	399	PI1212S	399
	PEN34-34	187	PG63-400BG	641	PGBP040418	637	PI011202S	399	PI1216S	399
	PENLOC11-12	809	PG63-400RG	641	PGBP040618	637	PI011203S	399	PI131012S	401
	PENLOC11-50	809	PG63-600BG	641	PGBP041018	637	PI011212S	399	PI131216S	401
	PENLOC11RVT-50	809	PG63-600RG	641	PGBP041218	637	PI011221S	399	PI1908S	402
	PENLOCGT1-50	809	PGB050114	637	PGBP060314	637	PI011222S	399	PI1916S	402
	PENLOCVTF-50	809	PGB050118	637	PGBP060414	637	PI011223S	399	PI200806S	402
	PES1-1	187	PGB050314	637	PGBP060614	637	PI011224S	399	PI201006S	402
	PES112-112	187	PGB050318	637	PGBP061014	637	PI011603S	399	PI201008S	402
	PES114-114	187	PGB050414	637	PGBP061214	637	PI011604S	399	PI201206S	402
	PES12-12	187	PGB050418	637	PGBU040418	637	PI011623S	399	PI201208S	402
	PES2-2	187	PGB050614	637	PGBU061014	637	PI011624S	399	PI201210S	402
	PES212-212	187	PGB050618	637	PGC14-12	165	PI012026S	399	PI201610S	402
	PES3-3	187	PGB051014	637	PGC14-14	165	PI0206S	399	PI201612S	402
	PES34-34	187	PGB051018	637	PGC14-38	165	PIQ208S	399	PI211006S	400
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	PFO406-14-NG	432	PGB051414	637	PGR050114	636	PIQ216S	399	PI211206S	400
	PFO508-14	432	PGB051418	637	PGR050314	636	PIQ306S	400	PI211208S	400

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	
PI211210S	400	PKM3022CW	302	PM010412E	393	PM0404S	399	PM061512E	395			0
PI211610S	400	PKM3022DW	302	PM010421S	399	PM0405E	394	PM061815E	300			1
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PI221206S	400	PKMSTC1516	303	PM010511E	393	PM0410E	394	PM0804R	396			5
PI221208S	400	PKMSTC2216	303	PM010512E	393	PM0412E	300	PM0804S	401			6
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PI221212S	400	PL1/2-03	379	PM010602E	393	PM0415E	300	PM0806R	396			8
PI221616S	400	PL1/2-04	379	PM010611E	393	PM0415E	394	PM0808R	396			9
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PI2312S	401	PL1/4-02	379	PM010801E	393	PM0422E	300	PM0810R	396			B
PI2316S	401	PL3/8-01	379	PM010801S	399	PM0428E	300	PM0812R	300			C
PI241210S	401	PL3/8-02	379	PM010802E	393	PM05	702	PM0812R	396			D
PI250806S	402	PL3/8-04	379	PM010802S	399	PM050401E	394	PM0815E	300			E
PI250808S	402	PLS1.0606.112	78	PM010803E	393	PM050402E	394	PM0815E	396			F
PI250810S	402	PLS1.0606.113	78	PM010803S	399	PM050411E	394	PM0818E	300			G
PI251006S	402	PLS1.1010.112	78	PM010811E	393	PM050412E	394	PM0822E	300			H
PI251008S	402	PLS1.1010.113	78	PM010812E	393	PM050421S	400	PM0828E	300			I
PI251012S	402	PLS1.1013.112	78	PM010813E	393	PM050422S	400	PM090401E	396			J
PI251208S	402	PLS1.1013.113	78	PM010821S	399	PM050501E	394	PM090402E	396			K
PI251210S	402	PLS1.1313.112	78	PM010822S	399	PM050502E	394	PM090411E	396			L
PI251212S	402	PLS1.1313.113	78	PM010823S	399	PM050511E	394	PM090412E	396			M
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PI251612S	402	PLS1.2019.113	78	PM011003E	393	PM050601E	394	PM090501E	396			O
PI251616S	402	PLS1.2525.112	78	PM011004E	393	PM050602E	394	PM090502E	396			P
PI290808S	402	PLS1.2525.113	78	PM011012E	393	PM050611E	394	PM090511E	396			Q
PI290810S	402	PLS1.2531.112	78	PM011013E	393	PM050612E	394	PM090512E	396			R
PI291008S	402	PLS1.2531.113	78	PM011014E	393	PM050801E	394	PM090601E	396			S
PI291208S	402	PLSX.0606.112	78	PM011203E	393	PM050801S	400	PM090602E	396			T
PI291210S	402	PLSX.0606.113	78	PM011204E	393	PM050802E	394	PM090611E	396			U
PI301208S	399	PLSX.1010.112	78	PM011213E	299	PM050802S	400	PM090612E	396			V
PI301612S	399	PLSX.1010.113	78	PM011213E	393	PM050803E	394	PM090801E	396			W
PI450822S	401	PLSX.1013.112	78	PM011214E	299	PM050811E	394	PM090801S	400			X
PI451014FS	401	PLSX.1013.113	78	PM011514E	299	PM050812E	394	PM090802E	396			Y
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PI451613S	401	PLSX.2019.113	78	PM012216E	299	PM050823S	400	PM090812E	396			
PI4608S	401	PLSX.2525.112	78	PM0204E	393	PM051002E	394	PM090813E	396			
PI4612S	401	PLSX.2525.113	78	PM0204S	399	PM051003E	394	PM091002E	396			
PI4712S	401	PLSX.2531.112	78	PM0205E	393	PM051004E	394	PM091003E	396			
PI480821S	400	PLSX.2531.113	78	PM0206E	393	PM051012E	394	PM091004E	396			
PI480822S	400	PLTX.0606.112	78	PM0208E	393	PM051013E	394	PM091012E	396			
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PI481023S	400	PLTX.1310.113	78	PM0212E	299	PM051204E	394	PM091203E	396			
PI481222S	400	PLTX.1313.112	78	PM0212E	393	PM051213E	299	PM091204E	396			
PI481223S	400	PLTX.1313.113	78	PM0215E	299	PM051213E	394	PM091213E	396			
PI482024S	400	PLTX.2013.112	78	PM0215E	393	PM051214E	299	PM091214E	396			
PI491612S	401	PLTX.2013.113	78	PM0218E	299	PM051214E	394	PM1-1	138			
PIC1808R	402	PLTX.2019.112	78	PM0222E	299	PM051513E	299	PM1-12	138			
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PISV0412S	306	PLTX.2519.113	78	PM0304S	400	PM052214E	299	PM1-38	138			
PISV0416S	306	PLTX.2525.112	78	PM0305E	393	PM052216E	299	PM1/2	379			
PIUB16S	401	PLTX.2525.113	78	PM0306E	393	PM060504E	395	PM1/4	379			
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PKM0322W	302	PLTX.3939.113	78	PM0312E	299	PM060805E	395	PM100402E	397			
PKM0415W	302	PLTX.5051.112	78	PM0312E	393	PM060806E	395	PM100411E	397			
PKM0422W	302	PLTX.5051.113	78	PM0315E	299	PM061006E	395	PM100412E	397			
PKM201510W	302	PM010401E	393	PM0315E	393	PM061008E	395	PM100502E	397			
PKM202215W	302	PM010401S	399	PM0318E	299	PM061208E	395	PM100511E	397			
PKM221515W	302	PM010402E	393	PM0322E	299	PM061210E	395	PM100512E	397			
PKM222222W	302	PM010402S	399	PM0328E	299	PM061510E	395	PM100601E	397			
PKM3022AW	302	PM010411E	393	PM0404E	394	PM061512E	300	PM100602E	397			

	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	PM100611E	397	PM1915E	301	PM50	702	PN15-19-34	188	PN19-19-14	188
1	PM100612E	397	PM1915E	397	PM72	702	PN15-25-34	188	PN19-19-16	188
2	PM100801E	397	PM1918E	301	PMC1815R	397	PN15-4-14	188	PN19-5-4	188
3	PM100802E	397	PM1922E	301	PMIS04C	61	PN15-4-18	188	PN19-6-4	188
4	PM100803E	397	PM1922E	397	PMT112	91	PN15-5-14	188	PN19-6-5	188
5	PM100811E	397	PM2-112	138	PMT2	91	PN15-5-18	188	PN19-8-5	188
6	PM100812E	397	PM2-2	138	PMT212	91	PN15-6-12	188	PN19-8-6	188
7	PM100813E	397	PM200604E	394	PMT3BSP	91	PN15-6-14	188	PN2-12	190
8	PM101002E	397	PM200804E	394	PMT3URT	91	PN15-6-18	188	PN2-14	190
9	PM101003E	397	PM200804S	402	PMT4BSP	91	PN15-6-34	188	PN2-18	190
A	PM101004E	397	PM200806E	394	PMT4URT	91	PN15-6-38	188	PN2-38	190
B	PM101012E	397	PM201004E	394	PMTT22E	301	PN15-8-12	188	PN20-10	188
C	PM101013E	397	PM201006E	394	PMUB15E	299	PN15-8-14	188	PN20-12	188
D	PM101014E	397	PM201008E	394	PN1-12-14	190	PN15-8-18	188	PN20-14	188
E	PM101203E	397	PM201208E	394	PN1-12-38	190	PN15-8-38	188	PN20-16	188
F	PM101204E	397	PM201210E	394	PN1-14-18	190	PN16-10-12	189	PN20-19	188
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H	PM101214E	397	PM210804E	393	PN10-12	190	PN16-10-34	189	PN20-5	188
I	PM110411E	395	PM210804S	400	PN10-14	190	PN16-10-38	189	PN20-6	188
J	PM110511E	395	PM210806E	393	PN10-18	190	PN16-12-12	189	PN20-8	188
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P	PM110802E	395	PM220404E	394	PN12-18	188	PN16-14-38	189	PN22-10-14	189
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	PM1905E	397	PM450812E	394	PN15-14-38	188	PN19-12-8	188	PN25-10-12	188
	PM1908S	402	PM451015FE	394	PN15-16-12	188	PN19-14-10	188	PN25-12-12	188
	PM1910E	397	PM4612E	301	PN15-16-34	188	PN19-14-12	188	PN25-14-12	188
	PM1912E	397	PM4615E	301	PN15-19-1	188	PN19-16-12	188	PN25-19-12	188
	PM1915B	306	PM4622E	301	PN15-19-12	188	PN19-16-14	188	PN25-5-18	188

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
PN25-6-18	188	PP1-8-18	191	PPV14-5-18	193	PPV3-12	192	PSL04	366		0
PN25-8-12	188	PP1/2	379	PPV14-5-38	193	PPV3-6	192	PSL06	366		1
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PN3-12-14	190	PP1/8	379	PPV14-6-14	193	PPV5-12	192	PSL10	366		3
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PN3-14-18	190	PP13-14	191	PPV14-8-14	193	PPV6-12-38	192	PT112	138		6
PN3-14-38	190	PP2-6-14	191	PPV14-8-38	193	PPV6-6-18	192	PT114	138		7
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PN3-18-18	190	PP3-12	191	PPV15-10-34	193	PPV9-6	192	PT18	138		A
PN3-18-38	190	PP3-6	191	PPV15-10-38	193	PPV9-8	192	PT2	138		B
PN3-38-12	190	PP3-8	191	PPV15-12-12	193	PR04/03	746	PT34	138		C
PN3-38-14	190	PP3/8	379	PPV15-12-14	193	PR04/04	746	PT38	138		D
PN3-38-18	190	PP4-8-6	191	PPV15-12-34	193	PR04/05	746	PTB5920000	812		E
PN3-38-38	190	PP5-12	191	PPV15-12-38	193	PR04/06	746	PTB5920003	812		F
PN4-12-14	190	PP5-6	191	PPV15-16-12	193	PR100-01	619	PTB5920005	812		G
PN4-12-38	190	PP5-8	191	PPV15-16-34	193	PR101-01	619	PTB5920006	812		H
PN4-14-18	190	PP6-12-12	191	PPV15-19-12	193	PR102-01	619	PTB5920008	812		I
PN4-34-12	190	PP6-12-14	191	PPV15-19-34	193	PR302-04	619	PTC1	187		J
PN4-34-14	190	PP6-12-38	191	PPV15-4-14	193	PRB1-12	187	PTC112	187		K
PN4-34-38	190	PP6-6-14	191	PPV15-4-18	193	PRB1-34	187	PTC114	187		L
PN4-38-14	190	PP6-6-18	191	PPV15-5-14	193	PRB112-1	187	PTC12	187		M
PN4-38-18	190	PP6-8-14	191	PPV15-5-18	193	PRB112-114	187	PTC2	187		N
PN5-12	190	PP6-8-18	191	PPV15-6-12	193	PRB112-34	187	PTC34	187		O
PN5-14	190	PP6-8-38	191	PPV15-6-14	193	PRB114-1	187	PTF-40	292		P
PN5-18	190	PP7-12-12	191	PPV15-6-18	193	PRB114-12	187	PTF-80	292		Q
PN5-38	190	PP7-12-14	191	PPV15-6-38	193	PRB114-34	187	PTFE	292		R
PN6-12-14	190	PP7-12-38	191	PPV15-8-12	193	PRB2-1	187	PTFE-1	86		S
PN6-12-38	190	PP7-6-14	191	PPV15-8-14	193	PRB2-112	187	PTFE-112	86		T
PN6-14-18	190	PP7-8-14	191	PPV15-8-18	193	PRB2-114	187	PTFE-114	86		U
PN6-34-14	190	PP8-12-12	191	PPV15-8-38	193	PRB2-34	187	PTFE-12	86		V
PN6-38-14	190	PP8-12-14	191	PPV16-10-12	193	PRB212-2	187	PTFE-2	86		W
PN6-38-18	190	PP8-6-14	191	PPV16-10-14	193	PRB3-2	187	PTFE-212	86		X
PN7-12	190	PP9-12	191	PPV16-10-34	193	PRB3-212	187	PTFE-3	86		Y
PN7-14	190	PP9-6	191	PPV16-10-38	193	PRB34-12	187	PTFE-34	86		Z
PN7-38	190	PP9-8	191	PPV16-12-12	193	PRE-12	187	PTFE-GAS	292		
PNFG-110	329	PPAUTO	517	PPV16-12-14	193	PRE-1-34	187	PTFE25MM	811		
PNFG-20	329	PPCLIP-110	330	PPV16-12-34	193	PRE112-114	187	PTFEGAS	811		
PNFG-25	329	PPCLIP-140	330	PPV16-12-38	193	PRE114-1	187	PTH-1-60	457		
PNFG-32	329	PPCLIP-16	330	PPV16-16-12	193	PRE12-38	187	PTH-1/2-100	457		
PNFG-40	329	PPCLIP-160	330	PPV16-16-34	193	PRE2-112	187	PTH-3/4-15SAFE	457		
PNFG-50	329	PPCLIP-20	330	PPV16-19-12	193	PRE34-12	187	PTH-3/4-90	457		
PNFG-63	329	PPCLIP-225	330	PPV16-19-34	193	PRESSURE-L15500V	569	PTL-1/2-100	453		
PNFG-75	329	PPCLIP-25	330	PPV16-4-14	193	PRESSURE-L15635V	569	PTL-1/4-100	453		
PNFG-90	329	PPCLIP-32	330	PPV16-4-18	193	PRESSURE-L15760V	569	PTL-3/16-100	453		
PNR	682	PPCLIP-40	330	PPV16-5-14	193	PRESSURE-L15900V	569	PTL-3/4-100	453		
POLY15X13	452	PPCLIP-50	330	PPV16-5-18	193	PRESSURE-L500V	569	PTL-3/8-100	453		
POLY15X19	452	PPCLIP-63	330	PPV16-6-12	193	PRESSURE-L635V	569	PTL-5/16-100	453		
POLY15X25	452	PPCLIP-75	330	PPV16-6-14	193	PRESSURE-L760V	569	PTL0500037	839		
POLY15X9	452	PPCLIP-90	330	PPV16-6-18	193	PRESSURE-L900V	569	PTMH-1-40	453		
POLY22X13	452	PPF1/2	379	PPV16-6-38	193	PRESSURE-LANCE	569	PTMH-11/2-40	453		
POLY22X19	452	PPF1/4	379	PPV16-8-12	193	PRESSURE-LANCE15	569	PTMH-11/4-40	453		
POLY22X25	452	PPF1/8	379	PPV16-8-14	193	PRESSURE-LANCESH	569	PTMH-3/4-15	453		
POLY22X9	452	PPF3/8	379	PPV16-8-18	193	PRN1-34	187	PTMH-3/4-40	453		
POLY28X13	452	PPMSV040606W	306	PPV16-8-38	193	PRN112-114	187	PTP	686		
POLY28X19	452	PPMSV041010W	306	PPV2-6-14	192	PRN114-1	187	PTP1	187		
POLY28X25	452	PPSV010822W	306	PPV2-6-18	192	PRN2-112	187	PTP112	187		
POLY28X9	452	PPSV011223W	306	PPV2-8-14	192	PRN212-2	187	PTP114	187		
PP-MS	517	PPSV040808W	306	PPV22-10-14	193	PRN34-12	187	PTP12	187		
PP-SS	517	PPSV041212W	306	PPV22-12-12	193	PROG12	687	PTP2	187		
PP-SS316	517	PPSV500822W	306	PPV22-12-14	193	PROGAFF48NYE	812	PTP212	187		
PP1-12-12	191	PPV1-12-38	192	PPV22-12-38	193	PRS1-34	187	PTP3	187		
PP1-12-14	191	PPV1-6-18	192	PPV22-16-34	193	PRS112-114	187	PTP34	187		
PP1-12-38	191	PPV1-8-14	192	PPV22-19-34	193	PRS114-1	187	PTS-1-ABS	343		
PP1-6-14	191	PPV14-10-12	193	PPV22-6-14	193	PRS2-112	187	PTS-112-ABS	343		
PP1-6-18	191	PPV14-12-12	193	PPV22-6-18	193	PRS34-12	187	PTS-12-ABS	343		
PP1-8-14	191	PPV14-5-14	193	PPV22-8-14	193	PSE4610W	302	PTS-2-ABS	343		



	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	PTS-212-ABS	343	PU10/065B	429	PUET04/025-25	430	PURMW-225	480	PV23-8	193
1	PTS-3-ABS	343	PU10/065B-100	429	PUET04/025B-100	430	PURMW-250	480	PV3-12-12	194
	PTS-4-ABS	343	PU10/065B-30	429	PUET04/025B-25	430	PURMW-300	480	PV3-12-14	194
2	PU03/020B	429	PU10/065G	429	PUET04/025N-100	430	PURMW-350	480	PV3-12-38	194
	PU04/025	429	PU10/065G-100	429	PUET04/025N-25	430	PURMW-38	480	PV3-14-14	194
3	PU04/025-100	429	PU10/065N	429	PUET05/030-25	430	PURMW-400	480	PV3-14-18	194
	PU04/025-30	429	PU10/065N-100	429	PUET05/030B-25	430	PURMW-50	480	PV3-14-38	194
4	PU04/025B	429	PU10/065R	429	PUET05/030N-25	430	PURMW-60	480	PV3-18-38	194
	PU04/025B-100	429	PU10/065R-100	429	PUET06/040-100	430	PURMW-65	480	PV3-38-12	194
5	PU04/025B-30	429	PU10/065Y	429	PUET06/040-25	430	PURMW-75	480	PV3-38-14	194
	PU04/025G	429	PU10/065Y-100	429	PUET06/040B-100	430	PURMW-80	480	PV3-38-18	194
6	PU04/025G-100	429	PU10/080	429	PUET06/040B-25	430	PURMW-90	480	PV3-38-38	194
	PU04/025N	429	PU10/080-100	429	PUET06/040N-100	430	PUSB-102-10	476	PV3/8	379
7	PU04/025N-100	429	PU10/080-30	429	PUET06/040N-25	430	PUSB-102-20	476	PV4-12-14	194
	PU04/025R	429	PU10/080B	429	PUET08/055-100	430	PUSB-127-10	476	PV4-12-18	194
8	PU04/025R-100	429	PU10/080B-100	429	PUET08/055-25	430	PUSB-127-20	476	PV4-12-38	194
	PU04/025Y	429	PU10/080B-30	429	PUET08/055B-100	430	PUSB-152-10	476	PV4-14-18	194
9	PU04/025Y-100	429	PU10/080N	429	PUET08/055B-25	430	PUSB-203-10	476	PV4-38-14	194
A	PU05/030B	429	PU10/080N-100	429	PUET08/055N-100	430	PUSB-25-10	476	PV4-38-18	194
	PU05/030N	429	PU12/080	429	PUET08/055N-25	430	PUSB-25-20	476	PV5-12	194
B	PU06/040	429	PU12/080-100	429	PUET10/070-100	430	PUSB-38-10	476	PV5-14	194
	PU06/040-100	429	PU12/080-30	429	PUET10/070-25	430	PUSB-38-20	476	PV5-18	194
C	PU06/040-30	429	PU12/080B	429	PUET10/070B-100	430	PUSB-51-10	476	PV5-38	194
	PU06/040B	429	PU12/080B-100	429	PUET10/070B-25	430	PUSB-51-20	476	PV6-12-14	194
D	PU06/040B-100	429	PU12/080B-30	429	PUET10/070N-100	430	PUSB76-10	476	PV6-12-38	194
	PU06/040B-30	429	PU12/080G	429	PUET10/070N-25	430	PUSB76-20	476	PV6-14-18	194
E	PU06/040G	429	PU12/080G-100	429	PUET12/080-100	430	PV1-12-14	194	PV6-38-14	194
	PU06/040G-100	429	PU12/080N	429	PUET12/080-25	430	PV1-12-38	194	PV6-38-18	194
F	PU06/040N	429	PU12/080N-100	429	PUET12/080B-100	430	PV1-14-18	194	PV7-14	194
	PU06/040N-100	429	PU12/080R	429	PUET12/080B-25	430	PV1-38-14	194	PV7-18	194
G	PU06/040R	429	PU12/080R-100	429	PUET12/080N-100	430	PV1-38-18	194	PV7-38	194
	PU06/040R-100	429	PU12/080Y	429	PUET12/080N-25	430	PV1/2	379	PVC	338
H	PU06/040Y	429	PU16/110	429	PUMPH10-100	460	PV1/4	379	PVC03	424
	PU06/040Y-100	429	PU3/8	379	PUMPH12-100	460	PV1/8	379	PVC05	424
I	PU08/055	429	PUC4/1	432	PUMPH2-100	460	PV10-12	194	PVC06	424
	PU08/055-100	429	PUC4/1-14	432	PUMPH3-100	460	PV10-14	194	PVC08	424
J	PU08/055-30	429	PUC4/1-18	432	PUMPH4-100	460	PV10-18	194	PVC1	347
	PU08/055B	429	PUC4/1B	432	PUMPH5-100	460	PV10-38	194	PVC10	424
K	PU08/055B-100	429	PUC4/2	432	PUMPH6-100	460	PV12-12	194	PVC112	347
	PU08/055B-30	429	PUC4/2-14	432	PURLW-100	480	PV12-14	194	PVC114	347
L	PU08/055G	429	PUC4/2-18	432	PURLW-115	480	PV12-18	194	PVC12	347
	PU08/055G-100	429	PUC4/2B	432	PURLW-120	480	PV12-38	194	PVC12	424
M	PU08/055N	429	PUC6/1	432	PURLW-125	480	PV13-12	194	PVC12HD	424
	PU08/055N-100	429	PUC6/1-14	432	PURLW-130	480	PV13-14	194	PVC16	424
N	PU08/055R	429	PUC6/1-18	432	PURLW-140	480	PV13-18	194	PVC19	424
	PU08/055R-100	429	PUC6/1B	432	PURLW-150	480	PV13-38	194	PVC2	347
O	PU08/055Y	429	PUC6/2	432	PURLW-160	480	PV17-10-8	193	PVC212	347
	PU08/055Y-100	429	PUC6/2-14	432	PURLW-180	480	PV17-12-10	193	PVC25	424
P	PU08/060	429	PUC6/2-18	432	PURLW-200	480	PV17-6-5	193	PVC3	347
	PU08/060-100	429	PUC6/2B	432	PURLW-225	480	PV17-8-6	193	PVC32	424
Q	PU08/060-30	429	PUC6/3	432	PURLW-250	480	PV18-10	193	PVC34	347
	PU08/060B	429	PUC6/3-14	432	PURLW-38	480	PV18-12	193	PVC38	347
R	PU08/060B-100	429	PUC6/3-18	432	PURLW-50	480	PV18-5	193	PVC38	424
	PU08/060B-30	429	PUC6/3B	432	PURLW-60	480	PV18-6	193	PVC4	347
S	PU08/060G	429	PUC8/2	432	PURLW-65	480	PV18-8	193	PVC50	424
	PU08/060G-100	429	PUC8/2-14	432	PURLW-75	480	PV2-12	194	PVC50RW008	814
T	PU08/060N	429	PUC8/2-38	432	PURLW-80	480	PV2-14	194	PVE1	347
	PU08/060N-100	429	PUC8/2B	432	PURLW-90	480	PV2-18	194	PVE112	347
U	PU08/060R	429	PUC8/3	432	PURMW-100	480	PV2-38	194	PVE114	347
	PU08/060R-100	429	PUC8/3-14	432	PURMW-115	480	PV20-10	193	PVE12	347
V	PU08/060Y	429	PUC8/3B	432	PURMW-120	480	PV20-12	193	PVE2	347
	PU08/060Y-100	429	PUC8/5	432	PURMW-125	480	PV20-5	193	PVE212	347
W	PU1/2	379	PUC8/5-14	432	PURMW-130	480	PV20-6	193	PVE3	347
	PU1/4	379	PUC8/5B	432	PURMW-140	480	PV20-8	193	PVE34	347
X	PU1/8	379	PUDH4-100	460	PURMW-150	480	PV23-10	193	PVE45-1	347
	PU10/065	429	PUDH5-100	460	PURMW-160	480	PV23-12	193	PVE45-112	347
Y	PU10/065-100	429	PUDH6-100	460	PURMW-180	480	PV23-5	193	PVE45-114	347
Z	PU10/065-30	429	PUET04/025-100	430	PURMW-200	480	PV23-6	193	PVE45-12	347

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
PVE45-2	347	PVP3	347	PVTP12	334	PWLA6	570	QCR	110
PVE45-212	347	PVP34	347	PVTP2	334	PWLA7	571	QLCAAL020	318
PVE45-3	347	PVP38	347	PVTP212	334	PWLA8	571	QLCAAL025	318
PVE45-34	347	PVP4	347	PVTP3	334	PWLA9	571	QLCAAL032	318
PVE45-38	347	PVR1-12	346	PVTP34	334	PWQRC-38	579	QLCAAL040	318
PVE45-4	347	PVR1-34	346	PVTP4	334	PWQRP-38	579	QLCAAL050	318
PVEN1-114	346	PVR1-38	346	PVU1	347	PXC058	440	QLCAAL063	318
PVEN112-2	346	PVR112-1	346	PVU112	347	PXC10	306	QLCAAL080	318
PVEN114-112	346	PVR112-34	346	PVU114	347	Q		QLCAAL168	320
PVEN12-34	346	PVR114-1	346	PVU12	347	Q19SDLP34	110	QLCAPA016	314
PVEN2-212	346	PVR114-12	346	PVU2	347	Q1DLP1	110	QLCAPA020	314
PVEN212-3	346	PVR114-34	346	PVU212	347	Q1DLP114	110	QLCAPA025	314
PVEN3-4	346	PVR12-38	346	PVU3	347	Q1DLP12	110	QLCAPA032	314
PVEN34-1	346	PVR2-1	346	PVU34	347	Q1DLP14	110	QLCAPA040	314
PVEN38-12	346	PVR2-112	346	PVU38	347	Q1DLP38	110	QLCAPA050	314
PVEP1	334	PVR2-114	346	PVU4	347	Q1DLP58	110	QLCAPA063	314
PVEP112	334	PVR212-112	346	PVUPF1	335	Q2DLP1	110	QLCLE16020	314
PVEP114	334	PVR212-2	346	PVUPF112	335	Q2DLP114	110	QLCLE25032	314
PVEP2	334	PVR3-112	346	PVUPF114	335	Q2DLP12	110	QLCLE40050	314
PVEP212	334	PVR3-2	346	PVUPF12	335	Q2DLP14	110	QLCLE63	314
PVEP3	334	PVR3-212	346	PVUPF2	335	Q2DLP34	110	QLCLEAL020025	318
PVEP34	334	PVR34-12	346	PVUPF212	335	Q2DLP38	110	QLCLEAL032040	318
PVEP4	334	PVR34-38	346	PVUPF3	335	Q3DLP1	110	QLCLEAL050	318
PVEP45-1	334	PVR4-2	346	PVUPF34	335	Q3DLP114	110	QLCLEAL063	318
PVEP45-112	334	PVR4-212	346	PVUPF4	335	Q3DLP12	110	QLCLEAL080	318
PVEP45-114	334	PVR4-3	346	PVUPM112	335	Q3DLP14	110	QLDERAL025020	318
PVEP45-12	334	PVRB1-34	346	PVUPM2	335	Q3DLP34	110	QLDERAL032020	318
PVEP45-2	334	PVRB112-114	346	PVUPM2-112	335	Q3DLP38	110	QLDERAL040020	318
PVEP45-212	334	PVRB114-1	346	PWAA-12F	577	Q4	111	QLDERAL040025	318
PVEP45-3	334	PVRB2-112	346	PWAA-14F	577	QAC11	111	QLDERAL050020	318
PVEP45-34	334	PVRB212-2	346	PWAA-14M	577	QAC112	111	QLDERAL050025	318
PVEP45-4	334	PVRB3-212	346	PWAA-22F	577	QAC134	111	QLDERAL063020	318
PVHTM1	336	PVRB34-12	346	PWAA-38F	577	QAC138	111	QLDERAL063025	318
PVHTM1-114	336	PVRB4-3	346	PWAA-38M	577	QAC21	111	QLDERAL063032	318
PVHTM112-2	336	PVRN1-34	346	PWAB-12M	577	QAC212	111	QLDERAL080020	318
PVHTM114-112	336	PVRN112-114	346	PWAB-14F	577	QAC234	111	QLDERAL080025	318
PVHTM12	336	PVRN114-1	346	PWAB-14M	577	QAC31	111	QLDERAL080032	318
PVHTM12-34	336	PVRN212-2	346	PWAB-22FF	577	QAC312	111	QLDERAL110020	318
PVHTM14-12	336	PVRN3-212	346	PWAB-22MM	577	QAC334	111	QLDERAL110025	318
PVHTM2-212	336	PVRN34-12	346	PWAB-38F	577	QAC412	111	QLDERAL110032	318
PVHTM34	336	PVRN4-3	346	PWAB-38M	577	QAC434	111	QLDERPA025016	314
PVHTM34-1	336	PVRS1-34	346	PWBLACK-04-10-R1	566	QAY11	111	QLDERPA025020	314
PVHTM38-58	336	PVRS112-114	346	PWBLACK-04-100R1	566	QAY112	111	QLDERPA032016	314
PVLN1	347	PVRS114-1	346	PWBLACK-04-100R2	566	QAY134	111	QLDERPA032020	314
PVLN112	347	PVRS12-38	346	PWBLACK-04-25-R1	566	QAY138	111	QLDERPA040016	314
PVLN114	347	PVRS2-112	346	PWBLACK-05-10-R1	566	QAY21	111	QLDERPA040020	314
PVLN12	347	PVRS212-2	346	PWBLACK-05-100R2	566	QAY212	111	QLDERPA040025	314
PVLN2	347	PVRS3-212	346	PWBLACK-05-25-R1	566	QAY234	111	QLDERPA050016	314
PVLN3	347	PVRS34-12	346	PWBLACK-06-10-R1	566	QAY238	111	QLDERPA050020	314
PVLN34	347	PVRS4-3	346	PWBLACK-06-100R2	566	QAY31	111	QLDERPA050025	314
PVLN38	347	PVS1	346	PWBLACK-06-25-R1	566	QAY312	111	QLDERPA063020	314
PVLN4	347	PVS112	346	PWBLUE-04-10-R1	566	QAY334	111	QLDERPA063025	314
PVN1	346	PVS114	346	PWBLUE-04-100-R2	566	QAY338	111	QLDERPA063032	314
PVN112	346	PVS12	346	PWBLUE-04-25-R1	566	QAY41	111	QLDERPA080020	314
PVN114	346	PVS2	346	PWBLUE-05-10-R1	566	QAY412	111	QLDERPA080025	314
PVN2	346	PVS34	346	PWBLUE-05-100-R2	566	QAY434	111	QLDERPA080032	314
PVN212	346	PVT1	347	PWBLUE-05-25-R1	566	QAYBE	111	QLDERPA110025	314
PVN34	346	PVT112	347	PWBLUE-06-10-R1	566	QAYR	111	QLDERPA110032	314
PVN38	346	PVT114	347	PWBLUE-06-10-R2	566	QC11	110	QLFLA168480DIN	320
PVN4	346	PVT12	347	PWBLUE-06-100-R2	566	QC112	110	QLFLEX020	323
PVP1	347	PVT2	347	PWBLUE-06-25-R1	566	QC134	110	QLFLEX025	323
PVP112	347	PVT3	347	PWFC-20	580	QC21	110	QLFLEX032	323
PVP12	347	PVT34	347	PWLA1	570	QC212	110	QLFLEX040	323
PVP2	347	PVT38	347	PWLA10	571	QC234	110	QLFLEX063	323
PVP212	347	PVT4	347	PWLA2	570	QC2GM34	110	QLG045AL020	317
		PVTP1	334	PWLA3	570	QC31	110	QLG045AL025	317
		PVTP112	334	PWLA4	570	QC312	110	QLG045AL032	317
		PVTP114	334	PWLA5	570	QC334	110	QLG045AL040	317

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	QLG045AL168	319	QLMNMAL040128	317	QLTEPA016	314	QLTUMLST020	311	R-250-250	224
1	QLG045FAL020048	317	QLMNMAL050168	317	QLTEPA020	314	QLTUMLST025	311	R-250-312	224
2	QLG045FAL025048	317	QLMNMAL063168	317	QLTEPA025	314	QLVAF016048	315	R-250-375	224
3	QLG045FAL025068	317	QLMNMAL063208	317	QLTEPA032	314	QLVAF020048AL	315	R-250-500	224
4	QLG045PA020	313	QLMNMAL080208	317	QLTEPA040	314	QLVAF025068AL	315	R-250-625	224
5	QLG045PA025	313	QLMNMAL080248	317	QLTEPA050	314	QLVAINOX025	315	R-250-750	224
6	QLG045PA032	313	QLMNPAA016048	313	QLTEPA063	314	QLVAINOX032	315	R-3-10	230
7	QLG045PA040	313	QLMNPAA020048	313	QLTFLAL110328DIN	318	QLVAINOX040	315	R-3-125	230
8	QLG045PA050	313	QLMNPAA020068	313	QLTFLAL80248DIN	318	QLVAINOX050	315	R-3-250	230
9	QLG045PA063	313	QLMNPAA025048	313	QLTPAL020048	318	QLVAINOX063	315	R-3-4	230
A	QLG090AL020	317	QLMNPAA025068	313	QLTPAL025068	318	QLVAINOX080	315	R-3-6	230
B	QLG090AL025	317	QLMNPAA025088	313	QLTPAL032088	318	QLVAINOXMF025088	315	R-312-375	224
C	QLG090AL032	317	QLMNPAA032088	313	QLTPAL040108	318	QLVAINOXMF032128	315	R-312-500	224
D	QLG090AL040	317	QLMNPAA032108	313	QLTPAL050128	318	QLVAINOXMF040128	315	R-375-250	224
E	QLG090AL050	317	QLMNPAA040088	313	QLTPAL063168	318	QLVAINOXMF050168	315	R-375-375	224
F	QLG090AL063	317	QLMNPAA040108	313	QLTPAL080208	318	QLVAINOXMF063168	315	R-375-500	224
G	QLG090AL080	317	QLMNPAA040128	313	QLTPAL110248	318	QLVAINOXMF080248	315	R-375-625	224
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I	QLG090AL168	319	QLMNPAA050168	313	QLTPPA025048	314	QLVALFAR168	320	R-4-250	230
J	QLG090MAL020048	317	QLMNPAA063168	313	QLTRAL025020	318	QLVAMA016048	315	R-4-6	230
K	QLG090MAL025048	317	QLMNPAA063168	313	QLTRAL032020	318	QLVAMA020048AL	315	R-500-1000	224
L	QLG090MAL025068	317	QLMNPAA063168	313	QLTRAL040020	318	QLVAMA025068AL	315	R-500-250	224
M	QLG090PA016	313	QLMNPAA063168	313	QLTRAL040025	318	QR	110	R-500-375	224
N	QLG090PA020	313	QLMNPAA063168	313	QLTRPA020016	314	QRNIT	110	R-500-500	224
O	QLG090PA025	313	QLMNPAA063168	313	QLTRPA025016	314	QSC-250	332	R-500-625	224
P	QLG090PA032	313	QLMNPAA063168	313	QLTRPA025020	314	QSC-500	332	R-500-750	224
Q	QLG090PA040	313	QLMNPAA063168	313	QLTRPA032020	314	<b>R</b>		R-6-10	230
R	QLG090PA050	313	QLMNPAA063168	313	QLTRPA032025	314	R-10-12		R-6-12	230
S	QLG090PA063	313	QLPUNM016038	322	QLTRPA040020	314	R-10-15		R-6-125	230
T	QLG090PM020048	313	QLPUNM020048	322	QLTRPA040025	314	R-10-18		R-6-18	230
U	QLG090PM025048	313	QLPUNM020068	322	QLTRPA040032	314	R-10-375		R-6-250	230
V	QLG090PM025068	313	QLPUNM025088	322	QLTRPA050020	314	R-10-500		R-6-3	230
W	QLMAAF168	319	QLPUNM032108	322	QLTRPA050025	314	R-10-6		R-6-312	230
X	QLMAAL020	317	QLPUNM040128	322	QLTRPA050032	314	R-12-10		R-6-375	230
Y	QLMAAL025	317	QLPUNM050168	322	QLTRPA050040	314	R-12-16		R-6-500	230
Z	QLMAAL032	317	QLPUNM063168	322	QLTRPA063020	314	R-12-18		R-6-8	230
	QLMAAL040	317	QLPUNM080248	322	QLTRPA063025	314	R-12-20		R-625-1000	224
	QLMAAL050	317	QLRIDPA025020	313	QLTRPA063040	314	R-12-22		R-625-750	224
	QLMAAL063	317	QLRIDPA032025	313	QLTRPA063050	314	R-12-25		R-625-875	224
	QLMAAL080	317	QLRIDPA040025	313	QLTUAL020S	311	R-12-500		R-750-1000	224
	QLMAAL110	317	QLRIDPA040032	313	QLTUAL025S	311	R-12-6		R-750-500	224
	QLMAAL168	319	QLRIDPA050040	313	QLTUAL032S	311	R-12-750		R-8-10	230
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	QLMAPA020	313	QLRIDTU032020	322	QLTUAL050S	311	R-125-125		R-8-375	230
	QLMAPA025	313	QLRIDTU032025	322	QLTUAL063S	311	R-125-187		R-8-500	230
	QLMAPA032	313	QLRIDTU040025	322	QLTUAL080S	311	R-125-250		R-8-6	230
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	QLMAPA063	313	QLRIDTU050040	322	QLTUAL4016S	311	R-16-12		R202	780
	QLMASAL032	317	QLRIDTU063040	322	QLTUAL4020S	311	R-18-12		R203	780
	QLMASAL040	317	QLRIDTU063050	322	QLTUAL4025S	311	R-18-16		R204	789
	QLMASAL050	317	QLRIDTU080050	322	QLTUAL4032S	311	R-18-20		R205	780
	QLMASAL063	317	QLRIDTU080063	322	QLTUAL4040S	311	R-18-22		R207	780
	QLMASAL080	317	QLRIDTU110050	322	QLTUAL4050S	311	R-18-25		R208	786
	QLMASPA032	313	QLRIDTU110063	322	QLTUAL4063S	311	R-18-750		R209	784
	QLMASPA040	313	QLRIDTU110080	322	QLTUALG020S	311	R-187-125		R210	788
	QLMASPA050	313	QLSCIO16	311	QLTUALG025S	311	R-187-250		R211	784
	QLMASPA063	313	QLSCIO20	311	QLTUALG040S	311	R-20-16		R212	784
	QLMFLAL063168DIN	318	QLSCIO25	311	QLTUALG050S	311	R-20-22		R213	784
	QLMFLAL080248DIN	318	QLTEAL020	318	QLTUALG063S	311	R-20-25		R214	786
	QLMFLAL110328DIN	318	QLTEAL025	318	QLTUALGY020S	311	R-22-18		R215	785
	QLMISO16080	314	QLTEAL032	318	QLTUALGY025S	311	R-22-20		R216	784
	QLMISAL020110	318	QLTEAL040	318	QLTUALGY032S	311	R-22-25		R217	785
	QLMNMAL020048	317	QLTEAL050	318	QLTUALGY040S	311	R-25-1000		R218	785
	QLMNMAL020068	317	QLTEAL063	318	QLTUALGY050S	311	R-25-18		R219	787
	QLMNMAL025068	317	QLTEAL080	318	QLTUALGY063S	311	R-25-20		R220	785
	QLMNMAL025088	317	QLTEAL110	318	QLTUALGY080S	311	R-250-125		R221	789
	QLMNMAL032108	317	QLTEAL168	319	QLTUMLST016	311	R-250-187		R222	788

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
R223	786	RB-112-114	203	RB-9075-UPVC	325	RBT-PN16-2EPDM	281	RH-78	446
R224	779	RB-112-12	203	RB1858	688	RBT-PN16-2NBR	281	RHN-1-12	203
R225	786	RB-112-34	203	RB1988	688	RBT-PN16-3EPDM	281	RHN-1-14	203
R226	786	RB-114-1	203	RB30-112-UPVC	333	RBT-PN16-3NBR	281	RHN-1-34	203
R227	788	RB-114-12	203	RB30-1121-UPVC	333	RBT-PN16-4EPDM	281	RHN-1-38	203
R228	785	RB-114-34	203	RB30-11434-UPVC	333	RBT-PN16-4NBR	281	RHN-112-1	203
R229	785	RB-12-14	203	RB30-1214-UPVC	333	RBT-PN16-5EPDM	281	RHN-112-114	203
R230	786	RB-12-18	203	RB30-1238-UPVC	333	RBT-PN16-5NBR	281	RHN-112-12	203
R232	785	RB-12-38	203	RB30-2114-UPVC	333	RBT-PN16-6EPDM	281	RHN-112-34	203
R233	785	RB-125110-UPVC	325	RB30-212112-UPVC	333	RBT-PN16-6NBR	281	RHN-114-1	203
R234	785	RB-12575-UPVC	325	RB30-3212-UPVC	333	RBT-PN16-8EPDM	281	RHN-114-12	203
R235	780	RB-12590-UPVC	325	RB30-3438-UPVC	333	RBT-PN16-8NBR	281	RHN-114-34	203
R236	788	RB-14-18	203	RB30-3814-UPVC	333	RBU-250-125	223	RHN-114-38	203
R237	785	RB-140110-UPVC	325	RB30-43-UPVC	333	RBU-375-250	223	RHN-12-14	203
R239	779	RB-140125-UPVC	325	RB93-112-ABS	341	RBU-500-250	223	RHN-12-18	203
R240	789	RB-14090-UPVC	325	RB93-112-UPVC	333	RC-1	203	RHN-12-38	203
R241	781	RB-160110-UPVC	325	RB93-1121-ABS	341	RC-112	203	RHN-14-18	203
R242	779	RB-160125-UPVC	325	RB93-1121-UPVC	333	RC-114	203	RHN-2-1	203
R244	782	RB-160140-UPVC	325	RB93-112114-ABS	341	RC-12	203	RHN-2-112	203
R245	783	RB-16090-UPVC	325	RB93-112114-UPVC	333	RC-14	203	RHN-2-114	203
R246	782	RB-180125-UPVC	325	RB93-11234-ABS	341	RC-18	203	RHN-2-12	203
R248	781	RB-180140-UPVC	325	RB93-11234-UPVC	333	RC-2	203	RHN-2-34	203
R250	781	RB-180160-UPVC	325	RB93-1141-ABS	341	RC-212	203	RHN-3-2	203
R251	781	RB-2-1	203	RB93-1141-UPVC	333	RC-3	203	RHN-34-12	203
R252	781	RB-2-112	203	RB93-11412-ABS	341	RC-34	203	RHN-34-14	203
R253	782	RB-2-114	203	RB93-11412-UPVC	333	RC-38	203	RHN-34-18	203
R254	782	RB-2-34	203	RB93-11434-ABS	341	RD12.A	702	RHN-34-38	203
R255	782	RB-200160-UPVC	325	RB93-11434-UPVC	333	RD18.A	702	RHN-38-14	203
R256	782	RB-200180-UPVC	325	RB93-134-ABS	341	RD25.A	702	RHN-38-18	203
R257	782	RB-2016-UPVC	325	RB93-134-UPVC	333	RD32.A	702	RHNI-1-34	340
R258	782	RB-212-1	203	RB93-21-ABS	341	RD43.A	702	RHNI-112-114	340
R260	788	RB-212-112	203	RB93-21-UPVC	333	RD52.A	702	RJ-14	150
R261	781	RB-212-114	203	RB93-2112-ABS	341	RD6.A	702	RJ-14	150
R262	782	RB-212-2	203	RB93-2112-UPVC	333	RD63.A	702	RJT-SPANNER-1.0	235
R265	782	RB-225160-UPVC	325	RB93-2114-ABS	341	RD80.A	702	RJT-SPANNER-1.5	235
R266	789	RB-225200-UPVC	325	RB93-2114-UPVC	333	RD9.A	702	RJT-SPANNER-2	235
R267	781	RB-2516-UPVC	325	RB93-212112-UPVC	333	RDC12-14	165	RJT-SPANNER-2.5	235
R270	780	RB-2520-UPVC	325	RB93-2122-ABS	341	RDC12-38	165	RJT-SPANNER-3	235
R273	784	RB-3-1	203	RB93-2122-UPVC	333	RDC12-516	165	RJT-SPANNER-4	235
R274	780	RB-3-112	203	RB93-3112-ABS	341	RDC14-18	165	RJTA1	238
R275	784	RB-3-2	203	RB93-3112-UPVC	333	RDC14-316	165	RJTA112	238
RA100	496	RB-3-212	203	RB93-32-ABS	341	RDC316-18	165	RJTA3	238
RA200	496	RB-3216-UPVC	325	RB93-32-UPVC	333	RDC38-14	165	RJTBL1	238
RA65.50.04	296	RB-3220-UPVC	325	RB93-3212-ABS	341	RDC38-516	165	RJTBL112	238
RA65.50.08	296	RB-3225-UPVC	325	RB93-3212-UPVC	333	RDC516-14	165	RJTBL2	238
RA69.50.25	296	RB-34-12	203	RB93-3412-ABS	341	RDC516-316	165	RJTBL212	238
RAD-90-10	447	RB-34-14	203	RB93-3412-UPVC	333	REDWASH-GUN	557	RJTBL3	238
RAD-90-13	447	RB-34-18	203	RB93-42-ABS	341	REFBKY50	812	RJTBL4	238
RAD-90-16	447	RB-34-38	203	RB93-42-UPVC	333	REFRW50	812	RJTD2	238
RAD-90-19	447	RB-38-14	203	RB93-4212-ABS	341	REINOLDMAX500-BRKT	839	RJTHL1	238
RAD-90-22	447	RB-38-18	203	RB93-4212-UPVC	333	RF104	559	RJTHL112	238
RAD-90-25	447	RB-4-3	203	RB93-43-ABS	341	RF104	740	RJTHL2	238
RAD-90-28	447	RB-4020-UPVC	325	RB93-43-UPVC	333	RH-1	446	RJTHL212	238
RAD-90-32	447	RB-4025-UPVC	325	RB93-53-UPVC	333	RH-112	446	RJTHL3	238
RAD-90-35	447	RB-4032-UPVC	325	RB93-54-ABS	341	RH-114	446	RJTN1	238
RAD-90-38	447	RB-5025-UPVC	325	RB93-54-UPVC	333	RH-118	446	RJTN112	238
RAD-90-51	447	RB-5032-UPVC	325	RB93-64-UPVC	333	RH-1316	446	RJTN2	238
RAD-90-63	447	RB-5040-UPVC	325	RB93-86-UPVC	333	RH-134	446	RJTN212	238
RAD-90-76	447	RB-6325-UPVC	325	RBT-PN16-10EPDM	281	RH-138	446	RJTN3	238
RAPIDVSC240	581	RB-6332-UPVC	325	RBT-PN16-10NBR	281	RH-158	446	RJTRWL2112	238
RB-1-12	203	RB-6340-UPVC	325	RBT-PN16-112EPDM	281	RH-178	446	RJTS1	238
RB-1-14	203	RB-6350-UPVC	325	RBT-PN16-112NBR	281	RH-1916	446	RJTS112	238
RB-1-34	203	RB-7532-UPVC	325	RBT-PN16-114EPDM	281	RH-2	446	RJTS2	238
RB-1-38	203	RB-7540-UPVC	325	RBT-PN16-114NBR	281	RH-212	446	RJTS212	238
RB-11063-UPVC	325	RB-7550-UPVC	325	RBT-PN16-12EPDM	281	RH-214	446	RJTS3	238
RB-11075-UPVC	325	RB-7563-UPVC	325	RBT-PN16-12NBR	281	RH-238	446	RJTWL1	238
RB-11090-UPVC	325	RB-9050-UPVC	325	RBT-PN16-21EPDM	281	RH-3	446	RJTWL112	238
RB-112-1	203	RB-9063-UPVC	325	RBT-PN16-212NBR	281	RH-4	446	RJTWL2	238

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	RJTWL212	238	RL13/21K	131	RM011014	393	RPVC12B	423	RS13-43-UPVC	333
1	RJTWL3	238	RL17/17	131	RM011213	393	RPVC12B-100	424	RSH-1	118
	RJTWM1	238	RL17/17K	131	RM011214	393	RPVC12G	423	RSH-3/4	118
2	RJTWM112	238	RL17/17KN	131	RM050411	394	RPVC12N	423	RSJN-2-045	578
	RJTWM2	238	RL17/17N	131	RM050412	394	RPVC12N-100	424	RSJN-2-050	578
3	RJTWM3	238	RL17/17X	131	RM0504M5	394	RPVC12R	423	RSJN-2-055	578
4	RK05/10	132	RL17/21	131	RM050512	394	RPVC12R-100	424	RSJN-4-045	578
	RK05/10K	132	RL17/21K	131	RM050611	394	RPVC12Y	423	RSJN-4-050	578
	RK05/13	132	RL17/26	131	RM050612	394	RPVC12Y-100	424	RSJN-4-055	578
5	RK10/13	132	RL17/26K	131	RM0506M5	394	RPVC14	423	RSJN-6-045	578
	RK10/13K	132	RL21/21	131	RM050812	394	RPVC14-100	424	RSJN-6-050	578
6	RK10/17	132	RL21/21K	131	RM051013	394	RPVC14B	423	RSO-11050-UPVC	325
	RK10/17K	132	RL21/21N	131	RM051014	394	RPVC14B-100	424	RSO-11063-UPVC	325
7	RK10/21	132	RL21/21X	131	RM051213	394	RPVC14G	423	RSO-11075-UPVC	325
	RK10/21K	132	RL21/26	131	RM070612	395	RPVC14G-100	424	RSO-11090-UPVC	325
8	RK10/26K	132	RL21/26K	131	RM070812	395	RPVC14N	423	RSO-125110-UPVC	325
9	RK13/17	132	RL21/33	131	RM090411	396	RPVC14N-100	424	RSO-12590-UPVC	325
A	RK13/17K	132	RL21/33K	131	RM090412	396	RPVC14R	423	RSO-140110-UPVC	325
	RK13/21	132	RL26/26	131	RM0904M5	396	RPVC14R-100	424	RSO-140125-UPVC	325
B	RK13/21K	132	RL26/26K	131	RM0905M5	396	RPVC14Y	423	RSO-14090-UPVC	325
	RK13/26	132	RL26/26X	131	RM090611	396	RPVC14Y-100	424	RSO-160110-UPVC	325
C	RK13/26K	132	RL26/33	131	RM090612	396	RPVC1N	423	RSO-160140-UPVC	325
	RK13/33K	132	RL26/33K	131	RM0906M5	396	RPVC2	423	RSO-2016-UPVC	325
D	RK17/21	132	RL33/33	131	RM090811	396	RPVC2-15	423	RSO-2516-UPVC	325
	RK17/21K	132	RL33/33K	131	RM090812	396	RPVC316	423	RSO-2520-UPVC	325
E	RK17/26	132	RL33/33X	131	RM091012	396	RPVC316N	423	RSO-3220-UPVC	325
	RK17/26K	132	RLC107/112	525	RM091013	396	RPVC34	423	RSO-3225-UPVC	325
F	RK17/33	132	RLC113/118	525	RM091213	396	RPVC34-100	424	RSO-4020-UPVC	325
	RK17/33K	132	RLC12/15	525	RM091214	396	RPVC34-15	423	RSO-4025-UPVC	325
G	RK1C	305	RLC125/130	525	RM100611	397	RPVC34B	423	RSO-4032-UPVC	325
	RK21/26	132	RLC132/137	525	RM100612	397	RPVC34N	423	RSO-5025-UPVC	325
H	RK21/26K	132	RLC148/152	525	RM150411E	395	RPVC34R	423	RSO-5032-UPVC	325
	RK21/33	132	RLC15/19	525	RM150511E	395	RPVC38	423	RSO-5040-UPVC	325
I	RK21/33K	132	RLC159/166	525	RM150811E	395	RPVC38-100	424	RSO-6340-UPVC	325
J	RK21/42K	132	RLC168/175	525	RM151013E	395	RPVC38B	423	RSO-6350-UPVC	325
	RK26/33	132	RLC20/25	525	RM151214E	395	RPVC38B-100	424	RSO-7540-UPVC	325
K	RK26/33K	132	RLC215/225	525	RM1611	395	RPVC38G	423	RSO-7550-UPVC	325
	RK26/42K	132	RLC26/30	525	RM1614	395	RPVC38N	423	RSO-7563-UPVC	325
L	RK33/42	132	RLC32/36	525	RM1711	395	RPVC38N-100	424	RSO-9040-UPVC	325
	RK33/42K	132	RLC38/43	525	RM1712	395	RPVC38R	423	RSO-9050-UPVC	325
M	RK33/50K	132	RLC47/51	525	RM1713	395	RPVC38R-100	424	RSO-9063-UPVC	325
	RK33/55K	132	RLC53/58	525	RM1714	395	RPVC38Y	423	RSO-9075-UPVC	325
N	RK42/50	132	RLC60/64	525	RM2306E	394	RPVC38Y-100	424	RSS400	839
	RK42/55	132	RLC67/72	525	RM2308E	394	RPVC516	423	RT12-14	166
O	RK42/55K	132	RLC75/80	525	RPC-10-6	230	RPVC516-100	424	RT12-38	166
	RK50/55K	132	RLC81/86	525	RPC-10-8	230	RPVC516B	423	RT14-316	166
P	RL05/05	131	RLC87/92	525	RPC-1000-500	225	RPVC516B-100	424	RT24BK	812
	RL05/05X	131	RLC99/105	525	RPC-1000-750	225	RPVC516G	423	RT24C	812
Q	RL05/10	131	RLDH10-100	460	RPC-12-10	230	RPVC516N	423	RT38-14	166
	RL10/10	131	RLDH2-100	460	RPC-12-6	230	RPVC516N-100	424	RT38-516	166
R	RL10/10K	131	RLDH3-100	460	RPC-12-8	230	RPVC516R	423	RT516-14	166
	RL10/10KN	131	RLDH4-100	460	RPC-16-12	230	RPVC516R-100	424	RT516-316	166
	RL10/10N	131	RLDH5-100	460	RPC-250-125	225	RPVC58	423	RTDH-1-10	653
S	RL10/10X	131	RLDH6-100	460	RPC-375-125	225	RPVC58N	423	RTDH-1-12	653
T	RL10/10Y	131	RM010411	393	RPC-375-250	225	RS13-112112-UPVC	333	RTDH-1-3	653
	RL10/13	131	RM010412	393	RPC-500-250	225	RS13-112114-ABS	341	RTDH-1-4	653
U	RL10/13K	131	RM0104M5	393	RPC-6-3	230	RS13-1141-ABS	341	RTDH-1-5	653
	RL10/17	131	RM010511	393	RPC-750-500	225	RS13-1141-UPVC	333	RTDH-1-6	653
V	RL10/17K	131	RM010512	393	RPC-8-6	230	RS13-134-ABS	341	RTDH-1-8	653
	RL13/13	131	RM0105M5	393	RPVC1	423	RS13-134-UPVC	333	RTDH-34-3	653
W	RL13/13K	131	RM010611	393	RPVC1-100	424	RS13-2112-ABS	341	RTDH-34-4	653
	RL13/13KN	131	RM010612	393	RPVC112	423	RS13-2112-UPVC	333	RTDH-34-5	653
X	RL13/13N	131	RM0106M5	393	RPVC112-15	423	RS13-2122-UPVC	333	RTDH-34-6	653
	RL13/13X	131	RM010811	393	RPVC114	423	RS13-3212-ABS	341	RTH-3/4-15M	457
Y	RL13/13Y	131	RM010812	393	RPVC114-15	423	RS13-3212-UPVC	333	RTH-3/4-15SAFETY	457
	RL13/17	131	RM010813	393	RPVC12	423	RS13-3412-ABS	341	RU-10-6	228
Z	RL13/17K	131	RM011012	393	RPVC12-100	424	RS13-3412-UPVC	333	RU-10-8	228
	RL13/21	131	RM011013	393	RPVC12-15	423	RS13-43-ABS	341	RU-1000-500	221



Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
RU-1000-750	221	RUS-1613	792	RUS-2348	797	RUS-7338	800	RUS-AXSS25	793		
RU-108.5	793	RUS-1614	792	RUS-2358	797	RUS-7339	799	RUS-V2007	797		
RU-12-10	228	RUS-1615	792	RUS-2391	797	RUS-7342	799	RUS-V2007+V2005	797		
RU-12-6	228	RUS-1616	792	RUS-2392	797	RUS-7342-2.5L	799	RUS-V2007+V2006	797		
RU-12-8	228	RUS-1617	792	RUS-2410	796	RUS-7343	799	RUT-1000-375	223		
RU-16-10	228	RUS-1618	792	RUS-2444	796	RUS-7345	800	RUT-1000-500	223		
RU-16-12	228	RUS-1630	792	RUS-2479	796	RUS-7346	799	RUT-1000-750	223		
RU-18-12	228	RUS-1631	792	RUS-2500	798	RUS-7346-2.5L	799	RUT-375-250	223		
RU-187-125	221	RUS-1632	792	RUS-3302	800	RUS-7348	799	RUT-500-250	223		
RU-203010.05	793	RUS-1633	792	RUS-3369	800	RUS-7348-2.5L	799	RUT-500-375	223		
RU-203012.10	793	RUS-2102	795	RUS-3369-2.5L	800	RUS-7349	799	RUT-625-375	223		
RU-25-18	228	RUS-2111	796	RUS-3380	800	RUS-7349-2.5L	799	RUT-750-375	223		
RU-25-20	228	RUS-2114	798	RUS-3380-2.5L	800	RUS-7354	799	RUT-750-500	223		
RU-250-125	221	RUS-2115	796	RUS-3410	797	RUS-7354-2.5L	799				
RU-250-187	221	RUS-2116	796	RUS-3415	797	RUS-7362	800	<b>S</b>			
RU-2901.5	793	RUS-2117	795	RUS-3478	797	RUS-7362	800	S-28DA404FPS008	696		
RU-312-125	221	RUS-2120	795	RUS-3490	797	RUS-7363	799	S-28DA4C4FPS060	696		
RU-312-250	221	RUS-2123	798	RUS-5150.1	793	RUS-7363-2.5L	799	S-28DA504FPS032	696		
RU-375-125	221	RUS-2124	798	RUS-5150.2	793	RUS-7364	800	S-28DC404FPS039	697		
RU-375-250	221	RUS-2125	798	RUS-5180.2.5	793	RUS-7365	799	S-28FA504FPS009	696		
RU-375-312	221	RUS-2126	798	RUS-5180.25	793	RUS-7365-2.5L	799	S-28FN504FPS040	697		
RU-500-125	221	RUS-2127	798	RUS-5180.5.0	793	RUS-7366	799	S-28FR404FPS078	698		
RU-500-250	221	RUS-2128	798	RUS-5410.25	793	RUS-7366-2.5L	799	S-28FR504FPS079	698		
RU-500-375	221	RUS-2133	798	RUS-6126.5	794	RUS-7373	799	S-28FR541FPS080	698		
RU-6-3	228	RUS-2134	798	RUS-6136.5	794	RUS-7373-2.5L	799	S-28HA504FPS051	696		
RU-6-4	228	RUS-2135	798	RUS-6143.5	794	RUS-7374	800	S-36FR504FPS076	698		
RU-625-375	221	RUS-2136	798	RUS-6168.5	794	RUS-7375	800	S-36FR541FPS077	698		
RU-625-500	221	RUS-2137	798	RUS-6181.5	794	RUS-7375-2.5L	800	S-36HN504FPS012	697		
RU-750-250	221	RUS-2138	798	RUS-6183.5	794	RUS-7376	800	S-36HN541FPS013	697		
RU-750-375	221	RUS-2141	798	RUS-6192.5	794	RUS-7376-2.5L	800	S-36HY504FPS068	698		
RU-750-500	221	RUS-2142	798	RUS-7110NS	794	RUS-7377	799	S-36HY541FPS069	698		
RU-750-625	221	RUS-2143	798	RUS-7124	794	RUS-7377-2.5L	799	S-36HY684FPS074	698		
RU-8-6	228	RUS-2144	798	RUS-7135	794	RUS-7378	800	S-36LN504FPS014	697		
RUB14-25	453	RUS-2145	798	RUS-7137	794	RUS-7378-2.5L	800	S-36LN541FPS015	697		
RUB14-25ASG	453	RUS-2146	798	RUS-7144	794	RUS-7379	799	S-36LN684FPS075	697		
RUB14-25BG5	453	RUS-2147	798	RUS-7144NS	794	RUS-7379-2.5L	799	S-36NW505FPS038	697		
RUB14-50	453	RUS-2148	798	RUS-7168	794	RUS-7381	799	S-36NW541FPS037	697		
RUB14-50ASG	453	RUS-2149	798	RUS-7179	794	RUS-7381-2.5L	799	S-6SCA404FPS066	695		
RUB38-25	453	RUS-2151	798	RUS-7179NS	794	RUS-7382	799	S-75DA4G4FPS057	695		
RUB38-25ASG	453	RUS-2152	798	RUS-7181	794	RUS-7382-2.5L	799	S-8213885FPS505	695		
RUB38-25BG5	453	RUS-2154	798	RUS-7181NS	794	RUS-7383-2.5L	799	S-8213885FPS566	695		
RUB38-25BG718	453	RUS-2163	798	RUS-7182	794	RUS-7384	800	S-A2BB104NUA	695		
RUB38-50	453	RUS-2165	798	RUS-7182NS	794	RUS-7384-2.5L	800	S-A3CC404FPS051	695		
RUB38-50BG5	453	RUS-2166	798	RUS-7192	794	RUS-7386	799	S-A3DV404FPS536	695		
RUB38-50BG718	453	RUS-2169	795	RUS-7301.1	800	RUS-7386-2.5L	799	S-A6BB304FPS534	695		
RUE-1000-500	223	RUS-2173	798	RUS-7302.1	800	RUS-7388	800	S-A8CA3C4FPS567	695		
RUE-1000-750	223	RUS-2174	798	RUS-7314	799	RUS-7388-2.5L	800	S-B4BA304FPS571	698		
RUE-187-125	223	RUS-2176	798	RUS-7315	799	RUS-7390-2.5L	800	S-B4CA304FPS572	698		
RUE-250-125	223	RUS-2178	798	RUS-7315-2.5L	799	RUS-7391	800	S-B4PP304FPS573	698		
RUE-312-125	223	RUS-2179	798	RUS-7321	800	RUS-7392	799	S-FCCC404FPS502	695		
RUE-312-250	223	RUS-2180	795	RUS-7321-2.5L	800	RUS-7392-2.5L	799	S-FCDC404FPS503	695		
RUE-375-125	223	RUS-2181	798	RUS-7322-2.5L	799	RUS-7394	800	S-N1AT905FPS085	698		
RUE-375-250	223	RUS-2182	795	RUS-7323	799	RUS-7394-2.5L	800	S-N1AT905FPS019	697		
RUE-375-312	223	RUS-2184	798	RUS-7326	799	RUS-7715	796	S-N1TT905FPS086	698		
RUE-500-250	223	RUS-2185	795	RUS-7326-2.5L	799	RUS-7778	799	S-N5AT701FPS081	698		
RUE-500-312	223	RUS-2186	798	RUS-7327	800	RUS-AAR5	794	S-N5NT701FPS083	698		
RUE-500-375	223	RUS-2187	798	RUS-7328	799	RUS-AFP5BLU	794	S-N5NY701FPS070	698		
RUE-625-375	223	RUS-2189	798	RUS-7328-2.5L	799	RUS-AFP5BUF	794	S-N7AT801FPS082	698		
RUE-625-500	223	RUS-2190	798	RUS-7329	799	RUS-AFP5DGY	794	S-N7LN701FPS044	697		
RUE-750-250	223	RUS-2192	798	RUS-7332	800	RUS-AFP5GRN	794	S-N7NN801FPS018	697		
RUE-750-375	223	RUS-2193	798	RUS-7332-2.5L	800	RUS-AFP5GLY	794	S-N7NT801FPS084	698		
RUE-750-500	223	RUS-2194	798	RUS-7333	799	RUS-AFP5MGY	794	S-SXDL504FPS504	695		
RUE-875-250	223	RUS-2222	796	RUS-7334	799	RUS-AFP5LYL	794	SQ256	551		
RUS-1017.1	795	RUS-2233	796	RUS-7335-2.5L	799	RUS-AFP5TRD	794	S106550MBU	440		
RUS-1085.1	795	RUS-2242	796	RUS-7336	799	RUS-AFP5WHI	794	S106550MGY	440		
RUS-1610	792	RUS-2255	796	RUS-7336-2.5L	799	RUS-AFPRS5NGY	794	S106550MY	440		
RUS-1611	792	RUS-2264	796	RUS-7337	799	RUS-AFPRS5TRD	794	S128050MBU	440		
RUS-1612	792	RUS-2344	797	RUS-7337-2.5L	799	RUS-AXSP25	793	S128050MGY	440		

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Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
SG50-3-ABS	344	SHM-2	95	SIL-394	746	SL-13	576	SO14-40114-UPVC	333
SG50-34-ABS	344	SHM-212	95	SIL-396	746	SL-2	576	SO14-50112-UPVC	333
SG50-4-ABS	344	SHM-3	95	SIL-500-L	745	SL-3	576	SO14-632-UPVC	333
SG50-5-ABS	344	SHM-34	95	SIL-500-L-1000	745	SL-4	576	SO14-903-UPVC	333
SGOR-N	107	SHM-38	95	SIL-500-L-250	745	SL-5	576	SP-1	203
SHBPT50X66	813	SHM-4	95	SIL-500-L-800	745	SL-7	576	SP-112	203
SHBPT50X66BOX	813	SHM-5	95	SIL-5001	745	SL-8	576	SP-114	203
SHBTB/Y-75X500	813	SHM-6	95	SIL-5003	745	SMF04U/02	683	SP-12	203
SHBTR/W-75X500	813	SHM-8	95	SIL-501-L	745	SMFM6/02	683	SP-14	203
SHC104-112	528	SHMT25X50	813	SIL-511	745	SMFM8/02	683	SP-18	203
SHC113-121	528	SHMT50X50	813	SIL-512	745	SMH01-01	129	SP-2	203
SHC122-130	528	SHOT3101	115	SIL-5920	745	SMH12-12	129	SP-212	203
SHC131-139	528	SHOT3102	115	SIL-705	746	SMH12-34	129	SP-3	203
SHC140-148	528	SHOT3103	115	SIL-755-L	745	SMH12-38	129	SP-34	203
SHC149-161	528	SHOT3104	115	SIL-920A	746	SMH14-12	129	SP-38	203
SHC162-174	528	SHOT3110	115	SIL-920B	746	SMH14-38	129	SP125P	551
SHC17-19	528	SHOT3111	115	SIL-920R	746	SMH18-14	129	SP125P	819
SHC175-187	528	SHOTCFP	115	SIL-921	746	SMH34-12	129	SP151P	551
SHC188-200	528	SHOTCQP1	115	SIL-961	746	SMH34-34	129	SP151P	819
SHC20-22	528	SHOTCQP2	115	SIL-971	746	SMH38-14	129	SP158P	551
SHC201-213	528	SHOTCQP4	115	SIL-971F	746	SN02/03	127	SP158P	819
SHC214-226	528	SHOTRSDKD	115	SIL-973	746	SN04/04	127	SP159P	551
SHC227-239	528	SHOTRSDR2	115	SIL-973F	746	SN04/05	127	SP159P	819
SHC23-25	528	SHOTRSDR3	115	SIL-OSH	746	SN06/06	127	SP160P	551
SHC240-252	528	SHOTS	115	SIL-PRO-ONE	745	SN08/08	127	SP160P	819
SHC26-28	528	SHRC04/04	129	SJN-2-045	578	SN12/12	127	SP162P	551
SHC29-31	528	SHRC05/05	129	SJN-2-050	578	SN012JET	491	SP162P	819
SHC32-35	528	SHRC06/06	129	SJN-2-055	578	SN034JET	491	SP24L	551
SHC36-39	528	SHRC08/08	129	SJN-4-045	578	SN058JET	491	SP24L	819
SHC40-43	528	SHRC12/12	129	SJN-4-050	578	SO-110-UPVC	325	SP26L	551
SHC44-47	528	SHRC16/16	129	SJN-4-055	578	SO-125-UPVC	325	SP26L	819
SHC48-51	528	SHRC20/20	129	SJN-6-045	578	SO-140-UPVC	325	SP28L	551
SHC52-55	528	SHRC24/24	129	SJN-6-050	578	SO-16-UPVC	325	SP28L	819
SHC56-59	528	SHRC32/32	129	SJN-6-055	578	SO-160-UPVC	325	SPC06-02	368
SHC60-63	528	SHRC40/40	129	SK12S	42	SO-20-UPVC	325	SPC08-02	368
SHC64-67	528	SHRC48/48	129	SK200	817	SO-200-UPVC	325	SPC08-03	368
SHC68-73	528	SHRC64/64	129	SK23S	42	SO-225-UPVC	325	SPC10-02	368
SHC74-79	528	SHW-13	476	SK25M	817	SO-25-UPVC	325	SPC10-03	368
SHC80-85	528	SHW-13-10	476	SK250	817	SO-32-UPVC	325	SPC10-04	368
SHC86-91	528	SHW-19	476	SK29	108	SO-40-UPVC	325	SPC12-03	368
SHC92-97	528	SHW-19-10	476	SK34	108	SO-50-UPVC	325	SPC12-04	368
SHC98-103	528	SHW-25	476	SK34	113	SO-63-UPVC	325	SPE12	166
SHCT25X50	813	SHW-25-10	476	SK39	108	SO-75-UPVC	325	SPE38	166
SHCT50X50	813	SIL-008-L	745	SK39	113	SO-90-UPVC	325	SPE516	166
SHF-10	535	SIL-1001	746	SK44	108	SO13-1-ABS	341	SPHC12-12RP	79
SHF-11	535	SIL-1011	746	SK44	113	SO13-1-UPVC	333	SPHC4-4RP	79
SHF-12	535	SIL-2005	745	SK50M	817	SO13-112-ABS	341	SPHC6-6RP	79
SHF-13	535	SIL-2055-A	745	SK51	108	SO13-112-UPVC	333	SPHC8-8RP	79
SHF-14	535	SIL-2055-A-1000	745	SK51	113	SO13-114-ABS	341	SPHN12-12RP	79
SHF-15	535	SIL-2055-A-150	745	SK60	108	SO13-114-UPVC	333	SPHN16-16RP	79
SHF-16	535	SIL-2055-A-500	745	SK73	108	SO13-12-ABS	341	SPHN24-24RP	79
SHF-17	535	SIL-208	746	SK73	113	SO13-12-UPVC	333	SPHN32-32RP	79
SHF-18	535	SIL-209	746	SKB13	107	SO13-2-ABS	341	SPHN4-4RP	79
SHF-19	535	SIL-209-S1	746	SKB19	107	SO13-2-UPVC	333	SPHN6-6RP	79
SHF-20	535	SIL-210	746	SKB25	107	SO13-212-ABS	341	SPHN8-8RP	79
SHF-28	535	SIL-211	746	SKG10	107	SO13-212-UPVC	333	SPLT.06002	78
SHG100-002BG	642	SIL-215	746	SKG13	107	SO13-3-ABS	341	SPLT.06003	78
SHG100-006BG	642	SIL-216	746	SKG15	107	SO13-3-UPVC	333	SPLT.13002	78
SHG100-016BG	642	SIL-217	746	SKG19	107	SO13-34-ABS	341	SPLT.13003	78
SHG100-040BG	642	SIL-218	746	SKG25	107	SO13-34-UPVC	333	SPLT.13302	78
SHG100-100BG	642	SIL-221-L	746	SKG32	107	SO13-4-ABS	341	SPLT.13342	78
SHG100-250BG	642	SIL-231-L	746	SKG6	107	SO13-4-UPVC	333	SPLT.20002	78
SHG100-600BG	642	SIL-241-L	746	SKSS13	108	SO13-5-UPVC	333	SPLT.20003	78
SHM-1	95	SIL-251-L	746	SKSS19	108	SO13-6-UPVC	333	SPLT.25002	78
SHM-10	95	SIL-362	746	SKSS25	108	SO13-8-UPVC	333	SPLT.25003	78
SHM-112	95	SIL-364	746	SL-10	576	SO14-1104-UPVC	333	SPLT.30002	78
SHM-114	95	SIL-366	746	SL-11	576	SO14-321-UPVC	333	SPLT.30003	78
SHM-12	95	SIL-392	746	SL-12	576	SO14-3534-UPVC	333	SPLT.39202	78

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	SPLT.39203	78	SRAH19X-100	454	SS1344	540	SSG25S	107	SSPC12-04	389
1	SPN0003	702	SRAH25/10-10	455	SS1345	540	SSG32	107	SSPC12-G04	389
2	SPN0006	702	SRAH25/10-15	455	SS1346	540	SSG63-001B	643	SSPC4-01	389
2	SPN0009	702	SRAH25/10-20	455	SS1347	540	SSG63-001BG	643	SSPC4-G01	389
3	SPN0012	702	SRAH25/10-5	455	SS1348	540	SSG63-004B	642	SSPC6-01	389
3	SPN0018	702	SRAH25X	454	SS21	111	SSG63-004BG	642	SSPC6-02	389
4	SPN0024	702	SRAH25X-100	454	SS212	111	SSG63-012B	643	SSPC6-G01	389
4	SPN0036	702	SRG2A.KIT	665	SS234	111	SSG63-012BG	642	SSPC6-G02	389
5	SPN0048	702	SRN10	439	SS250	839	SSG63-025B	643	SSPC8-01	389
5	SPN0063	702	SRN1012	439	SS31	111	SSG63-025BG	642	SSPC8-02	389
6	SPPV.13302	78	SRN12	439	SS312	111	SSG63-060B	643	SSPC8-G01	389
6	SPPV.13312	78	SRN14	439	SS334	111	SSG63-060BG	642	SSPC8-G02	389
7	SPPV.13322	78	SRN15	439	SS50	839	SSG63-200B	643	SSPCF10-G02	389
7	SPPV.13332	78	SRN18	439	SS500	839	SSG63-200BG	642	SSPCF10-G03	389
8	SPPV.13342	78	SRN316	439	SS5000	839	SSG63-250BG	642	SSPCF12-G03	389
9	SPT100A	668	SRN38	439	SSB1-S	534	SSG63-400B	643	SSPCF12-G04	389
A	SPT100K-110	668	SRN4	439	SSB112-S	534	SSG63-400BG	642	SSPCF4-G01	389
B	SPT60A	668	SRN5	439	SSB114-S	534	SSGA10	107	SSPCF6-G01	389
C	SPT70K-110	668	SRN516	439	SSB12-S	534	SSGA12	107	SSPCF6-G02	389
D	SPT80A	668	SRN58	439	SSB2-S	534	SSGA34	107	SSPCF8-G01	389
E	SPT80K-110	668	SRN6	439	SSB34-S	534	SSGA38	107	SSPCF8-G02	389
F	SPU06	368	SRN8	439	SSC-5000-UPVC	332	SSG10	107	SSPG10-6	390
G	SPU08	368	SS11	111	SSC12	86	SSG12	107	SSPG10-8	390
H	SPU10	368	SS112	111	SSC6	86	SSG134	107	SSPG12-10	390
I	SPU12	368	SS1301	540	SSCT1	91	SSG138	107	SSPG12-8	390
J	SRAH06-10	455	SS1302	540	SSCT112	91	SSGN02	682	SSPG6-4	390
K	SRAH06-15	455	SS1303	540	SSCT114	91	SSGN0245	682	SSPG8-4	390
L	SRAH06-20	455	SS1304	540	SSCT2	91	SSGN0245N	682	SSPG8-6	390
M	SRAH06-5	455	SS1305	540	SSCT212	91	SSGN0290	682	SSPGB060614	643
N	SRAH06X	454	SS1306	540	SSCT3URT	92	SSGN0290N	682	SSPGB061014	643
O	SRAH06X-100	454	SS1307	540	SSFBA-1	209	SSGN02N	682	SSPGJ10-6	390
P	SRAH08-10	455	SS1308	540	SSFBA-12	209	SSGN04	682	SSPGJ10-8	390
Q	SRAH08-15	455	SS1309	540	SSFBA-2	209	SSGN0445	682	SSPGJ12-10	390
R	SRAH08-20	455	SS1310	540	SSFBA-3	209	SSGN0490	682	SSPGJ12-8	390
S	SRAH08-5	455	SS1311	540	SSFBA-34	209	SSGN04N	682	SSPGJ6-4	390
T	SRAH08X	454	SS1312	540	SSFBB-12	209	SSGNM6	682	SSPGJ8-4	390
U	SRAH08X-100	454	SS1313	540	SSFBB-2	209	SSGNM645	682	SSPGJ8-6	390
V	SRAH08X1/4X19-10	455	SS1314	540	SSFBB-3	209	SSGNM690	682	SSPL10-02	389
W	SRAH08X1/4X19-20	455	SS1315	540	SSFBSB-1	209	SSGNM8	682	SSPL10-03	389
X	SRAH1/2X100-10	455	SS1316	540	SSFBSB-112	209	SSGNM845	682	SSPL10-G02	389
Y	SRAH1/2X100-20	455	SS1317	540	SSFBSB-114	209	SSGNM890	682	SSPL10-G03	389
Z	SRAH10-10	455	SS1318	540	SSFBSB-34	209	SSGNTH02	682	SSPL12-04	389
	SRAH10-15	455	SS1319	540	SSFSA-1	209	SSGNU04	682	SSPL12-G04	389
	SRAH10-20	455	SS1320	540	SSFSA-112	209	SSGNU0445	682	SSPL4-01	389
	SRAH10-5	455	SS1321	540	SSFSA-12	209	SSGNU0490	682	SSPL4-G01	389
	SRAH100/13-10	455	SS1322	540	SSFSA-2	209	SSNSE10-G02	389	SSPL6-01	389
	SRAH100/13-15	455	SS1323	540	SSFSA-2	209	SSNSE10-G03	389	SSPL6-02	389
	SRAH100/13-20	455	SS1324	540	SSFSA-2	209	SSNSE10-G04	389	SSPL6-G01	389
	SRAH100/13-30	455	SS1325	540	SSFSA-112	209	SSNSE12-G04	389	SSPL6-G02	389
	SRAH10X	454	SS1326	540	SSFSA-12	209	SSNSE4-G01	389	SSPL8-01	389
	SRAH10X-100	454	SS1327	540	SSFSA-12	209	SSNSE6-G01	389	SSPL8-02	389
	SRAH10X1/4X19-10	455	SS1328	540	SSFSA-2	209	SSNSE6-G02	389	SSPL8-G01	389
	SRAH10X1/4X19-20	455	SS1329	540	SSFSA-3	209	SSNSE6-G02	389	SSPL8-G02	389
	SRAH13-10	455	SS1330	540	SSFSA-34	209	SSNSE8-G01	389	SSPLF10-G02	389
	SRAH13-15	455	SS1331	540	SSFWA-1	209	SSNSE8-G02	389	SSPLF10-G03	389
	SRAH13-20	455	SS1332	540	SSFWA-12	209	SSNSE8-G03	389	SSPLF12-G03	389
	SRAH13-5	455	SS1333	540	SSFWA-2	209	SSPB10-G02	389	SSPLF12-G04	389
	SRAH13X	454	SS1334	540	SSFWA-3	209	SSPB10-G03	389	SSPLF4-G01	389
	SRAH13X-100	454	SS1335	540	SSFWA-34	209	SSPB12-G03	389	SSPLF6-G01	389
	SRAH19/10-10	455	SS1336	540	SSG10	107	SSPB12-G04	389	SSPLF6-G02	389
	SRAH19/10-15	455	SS1337	540	SSG10S	107	SSPB4-G01	389	SSPLF8-G01	389
	SRAH19/10-20	455	SS1338	540	SSG13	107	SSPB6-G01	389	SSPLF8-G02	389
	SRAH19/10-5	455	SS1339	540	SSG13S	107	SSPB6-G02	389	SSPM-10	390
	SRAH19/8-10	455	SS134	111	SSG15	107	SSPB8-G01	389	SSPM-12	390
	SRAH19/8-15	455	SS1340	540	SSG15S	107	SSPB8-G02	389	SSPM-4	390
	SRAH19/8-20	455	SS1341	540	SSG19	107	SSPC10-02	389	SSPM-6	390
	SRAH19/8-5	455	SS1342	540	SSG19PH	107	SSPC10-03	389	SSPM-8	390
	SRAH19X	454	SS1343	540	SSG19S	107	SSPC10-G02	389	SSPM-8	390
					SSG25	107	SSPC10-G03	389	SSPP-10	390

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
SSPP-12	390	STAGB	292	STW-201L	554	SWIV13A	656	SZ-21-089300-15	87		0
SSPP-4	390	STAGB	811	STW-259H	554	SWIV15A	656	SZ-21-105300-10	87		1
SSPP-6	390	STANDB	114	STW-362L	554	SWIV1A	656	SZ-21-115400-10	87		2
SSPP-8	390	STANDBG	114	STW-679L	554	SWIV31A	656	SZ-21-133400-10	87		3
SSPUC-10	390	STANDC	114	STW-838H	554	SWIV3A	656	SZ-21-133450-10	87		4
SSPUC-12	390	STANDDS	114	STY50	812	SWU-1000	224	SZ-21-220800-10	87		5
SSPUC-4	390	STANDS	114	SUBV-25-UPCV	331	SWU-125	224	SZ-22-031100-10	87		6
SSPUC-6	390	STANDSP	114	SUBV-32-UPCV	331	SWU-250	224	SZ-22-044100-10	87		7
SSPUC-8	390	STANDW	114	SV10R	95	SWU-375	224	SZ-22-051150-10	87		8
SSPUL-10	390	STATICMIXER-3	809	SV13R	95	SWU-500	224	SZ-22-066125-15	87		9
SSPUL-12	390	STBK50	812	SV13R/S	95	SWU-750	224	SZ-22-066150-15	87		A
SSPUL-4	390	STCAS-1	92	SV15R	95	SZ-12-031025-10	87	SZ-22-066200-15	87		B
SSPUL-6	390	STCAS-1-12	92	SV15R/S	95	SZ-12-031025-30	87	SZ-22-066200-30	87		C
SSPUL-8	390	STCAS-1-34	92	SV19R	95	SZ-12-044019-10	87	SZ-22-081250-10	87		D
SSPUT-10	390	STCAS-112	92	SV19R/S	95	SZ-12-044025-10	87	SZ-22-089250-15	87		E
SSPUT-12	390	STCAS-112-114	92	SV25R	95	SZ-12-044032-10	87	SZ-22-089300-15	87		F
SSPUT-4	390	STCAS-114	92	SV25R/S	95	SZ-12-051038-10	87	SZ-22-133400-10	87		G
SSPUT-6	390	STCAS-114-1	92	SV32R	95	SZ-12-066025-10	87	SZ-27-066200-10	87		H
SSPUT-8	390	STCAS-12	92	SV32R/S	95	SZ-12-066025-30	87	SZ-27-089300-10	87		I
SSPY-10	390	STCAS-2	92	SV38R	95	SZ-12-066032-10	87	SZ-27-133400-10	87		J
SSPY-12	390	STCAS-3	92	SV38R/S	95	SZ-12-066045-10	87	SZ-27-148500-10	87		K
SSPY-4	390	STCAS-34	92	SV50R	95	SZ-12-066045-19	87	SZ-27-160600-10	87		L
SSPY-6	390	STCAS-4	92	SV50R/S	95	SZ-12-066045-30	87	SZ-31-031000-10	88		M
SSPY-8	390	STCC-1	92	SV75R/S	95	SZ-12-066052-10	87	SZ-31-031000-30	88		N
SSTLH	576	STCC-112	92	SVHC12-12RP	79	SZ-12-066052-19	87	SZ-31-044000-10	88		O
SSTLTC	576	STCC-114	92	SVHC16-16RP	79	SZ-12-066052-30	87	SZ-31-051000-10	88		P
ST-5	574	STCC-12	92	SVHC24-24RP	79	SZ-12-066060-10	87	SZ-31-066000-10	88		Q
ST-7	574	STCC-2	92	SVHC32-32RP	79	SZ-12-081065-10	87	SZ-31-066000-30	88		R
ST10	737	STCC-3	92	SVHC4-4RP	79	SZ-12-081065-19	87	SZ-31-081000-10	88		S
ST11	737	STCC-34	92	SVHC6-6RP	79	SZ-12-089065-10	87	SZ-31-089000-10	88		T
ST203	737	STCC-4	92	SVHC8-8RP	79	SZ-12-089065-19	87	SZ-31-105000-10	88		U
ST206	737	STCL-1	92	SVHN12-12RP	79	SZ-12-089070-10	87	SZ-31-115000-10	88		V
ST208	737	STCL-1-12	92	SVHN16-16RP	79	SZ-12-089075-10	87	SZ-31-133000-10	88		W
ST210	737	STCL-1-34	92	SVHN20-20RP	79	SZ-12-089075-19	87	SZ-31-148000-10	88		X
ST212	737	STCL-112	92	SVHN24-24RP	79	SZ-12-089080-10	87	SZ-31-160000-10	88		Y
ST216	737	STCL-112-114	92	SVHN32-32RP	79	SZ-12-105090-10	87	SZ-31-500089-10	88		Z
ST218	737	STCL-114	92	SVHN4-4RP	79	SZ-12-115100-10	87	SZ-31-500133-10	88		
ST2238	812	STCL-114-1	92	SVHN6-6RP	79	SZ-12-115100-19	87	SZ-35-066044-10	88		
ST224	737	STCL-12	92	SVHN8-8RP	79	SZ-12-133100-10	87	SZ-35-081066-10	88		
ST23-1-ABS	344	STCL-2	92	SVMC-10	306	SZ-12-133110-10	87	SZ-35-115089-10	88		
ST23-1-UPVC	337	STCL-3	92	SW-ST4	574	SZ-12-160150-10	87	SZ-35-160133-10	88		
ST23-112-ABS	344	STCL-34	92	SW-ST6	574	SZ-12-160150-19	87	SZ-71-031031-50	88		
ST23-112-UPVC	337	STCL-4	92	SW14530PBK	812	SZ-12-220205-10	87	SZ-71-081051-50	88		
ST23-114-UPVC	337	STCM-1	92	SWAGE RING 2	468	SZ-13-089075-10	87	SZ-71-089066-20	88		
ST23-12-ABS	344	STCM-112	92	SWAGE RING 3	468	SZ-13-166050-10	87	SZ-71-133066-20	88		
ST23-12-UPVC	337	STCM-114	92	SWAGE RING 4	468	SZ-13-800050-10	88	SZ-91-002031-00	88		
ST23-2-ABS	344	STCM-12	92	SWAGE RING 6	468	SZ-13-800075-10	88	SZ-91-002031-02	88		
ST23-2-UPVC	337	STCM-2	92	SWCLT-2	524	SZ-13-800100-10	88	SZ-91-002044-00	88		
ST23-212-ABS	344	STCM-3	92	SWCLT-3	524	SZ-21-031050-10	87	SZ-91-002044-02	88		
ST23-212-UPVC	337	STCM-34	92	SWCLT-4	524	SZ-21-031075-10	87	SZ-91-002051-00	88		
ST23-3-ABS	344	STCM-4	92	SWCLT-5	524	SZ-21-031100-10	87	SZ-91-002051-02	88		
ST23-3-UPVC	337	STF-11	535	SWCLT-6	524	SZ-21-031100-30	87	SZ-91-002066-00	88		
ST23-34-ABS	344	STF-12	535	SWCRT-2	524	SZ-21-044100-10	87	SZ-91-002066-02	88		
ST23-34-UPVC	337	STF-13	535	SWCRT-3	524	SZ-21-044125-10	87	SZ-91-002066-03	88		
ST23-4-ABS	344	STF-14	535	SWCRT-4	524	SZ-21-051150-10	87	SZ-91-002081-00	88		
ST23-4-UPVC	337	STF-15	535	SWCRT-5	524	SZ-21-051200-10	87	SZ-91-002081-02	88		
ST23-5-ABS	344	STF-17	535	SWCRT-6	524	SZ-21-051200-30	87	SZ-91-002089-00	88		
ST23-5-UPVC	337	STF-18	535	SWE-1000	224	SZ-21-066100-15	87	SZ-91-002089-02	88		
ST23-6-ABS	344	STF-22	535	SWE-250	224	SZ-21-066150-15	87	SZ-91-002115-02	88		
ST23-6-UPVC	337	STHW50	812	SWE-375	224	SZ-21-066200-15	87	SZ-91-002133-00	88		
ST23-8-UPVC	337	STP001	840	SWE-500	224	SZ-21-066200-35	87	SZ-91-002133-02	88		
ST230	737	STP004	840	SWE-750	224	SZ-21-066250-15	87	SZ-91-002148-00	88		
ST236	737	STP130	840	SWHR-15-38	507	SZ-21-066250-30	87	SZ-91-002160-00	88		
ST900	574	STP150	840	SWHR-15-38SB122K	507	SZ-21-081200-10	87	SZ-91-002220-00	88		
STAFFA	705	STP250	840	SWHR-15N-38	507	SZ-21-081200-30	87				
STAFFA-X	705	STS15	306	SWHR-30-38	507	SZ-21-081250-10	87	T-110-UPVC	327		
STAGA	292	STS22	306	SWHR-30-38MB222K	507	SZ-21-089200-15	87	T-125-UPVC	327		
STAGA	811	STS28	306	SWHR-30N-38	507	SZ-21-089250-15	87	T-140-UPVC	327		



	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	T-16-UPVC	327	TABLE-E-3	209	TC17	133	TE-90-75-UPVC	326	TFL013AAA1	724
1	T-160-UPVC	327	TAC110401	758	TC21	133	TE-90-90-UPVC	326	TFL013AAA1	772
	T-20-UPVC	327	TAC110601	758	TC26	133	TE12	166	TG-3	727
2	T-200-UPVC	327	TAC110801	758	TC33	133	TE14	166	TG-4	727
	T-225-UPVC	327	TAC111001	758	TC93-1-ABS	342	TE18	166	TG04BOX	821
3	T-25-UPVC	327	TAC111201	758	TC93-1-UPVC	336	TE316	166	TG04KIT	822
	T-32-UPVC	327	TAC111301	758	TC93-112-ABS	342	TE34	166	TG5121806	760
4	T-40-UPVC	327	TAC111601	758	TC93-112-UPVC	336	TE38	166	TG5126101	760
	T-50-UPVC	327	TAC16HL133	765	TC93-114-ABS	342	TE43-1-ABS	342	TG8005	791
5	T-63-UPVC	327	TAC190501	759	TC93-114-UPVC	336	TE43-1-UPVC	334	TG8105	791
	T-75-UPVC	327	TAC2131151	758	TC93-12-ABS	342	TE43-112-ABS	342	TG8205	791
6	T-90-UPVC	327	TAC2132301	758	TC93-12-UPVC	336	TE43-112-UPVC	334	TG8304	790
	T1S-10-303	73	TAC2211156	758	TC93-2-ABS	342	TE43-114-ABS	342	TG8305	790
7	T1S-11-303	73	TAC31041	758	TC93-2-UPVC	336	TE43-114-UPVC	334	TG8404	790
	T1T-10	73	TAC32041	758	TC93-212-ABS	342	TE43-12-ABS	342	TG8504	790
8	T1T-10-303	73	TAC51051	759	TC93-212-UPVC	336	TE43-12-UPVC	334	TG8605	790
	T2MC	840	TAC51118B	759	TC93-3-ABS	342	TE43-2-ABS	342	TG8704	790
9	T2S-15-303	73	TACSD0065	759	TC93-3-UPVC	336	TE43-2-UPVC	334	TG8904	790
A	T2S-16-303	73	TACSD0195	758	TC93-34-ABS	342	TE43-212-ABS	342	TGGC111051	772
	T2T-15-303	73	TACSD0251	758	TC93-34-UPVC	336	TE43-212-UPVC	334	THKTAC01120	769
B	T2T-16	73	TACSD12501	758	TC93-4-ABS	342	TE43-3-ABS	342	THL013AAA2	724
	T3S-20-303	73	TACSD030136	767	TC93-4-UPVC	336	TE43-3-UPVC	334	THL013AAA2	772
C	T3T-20	73	TACSD030156	767	TCFL186501	724	TE43-34-ABS	342	THMFK0156	760
	T3T-21	73	TACSD030186	767	TCFL186503	772	TE43-34-UPVC	334	THPTCS71621	769
D	T401A215A	646	TACSD030256	767	TCL-112	339	TE43-4-ABS	342	THT-10	126
	T401A251A	646	TACSD030266	767	TCL-2	339	TE43-4-UPVC	334	THT-13	126
E	T401A251C	646	TACSD030336	767	TCM5	133	TE43-5-ABS	342	THT-5	126
	T401F215A	646	TACSD03091	765	TCS100	634	TE43-5-UPVC	334	THT-6	126
F	T401F215C	646	TACSD03165	758	TCS100-KIT	634	TE43-6-ABS	342	THT-8	126
	T401F251A	646	TACSD05051	759	TC560	634	TE43-6-UPVC	334	THT101066	765
G	T401F251C	646	TACSD6165	758	TCSBSP112	675	TE43-8-UPVC	334	THT101086	765
	T4T-25	73	TACSE0051	765	TCSBSP2	675	TE516	166	THT101106	765
H	T500	791	TACSH1121	759	TCSBSP3	675	TE1-112	339	THT101126	765
	T510	791	TAPE	811	TCSBSP4	675	TE1-12	339	THT1022121	770
I	T633.4/025X10	473	TB05	133	TCSHT1	675	TE1-2	339	THT1022122	770
	T633.4/025X40	473	TB10	133	TCSHT112	675	TERR-80.06-2	547	THT102286	770
J	T633.4/032X40	473	TB13	133	TCSHT114	675	TERR-80.10-2	547	THT1023121	770
	T633.4/038X10	473	TB17	133	TCSHT2	675	TERR-80.13-2	547	THT102386	770
K	T633.4/038X40	473	TB1S-10	73	TCSHT212	675	TERR-80.16-2	547	THT1024121	770
	T6T-31	73	TB1S-11	73	TCSHT3	675	TERR-80.19-2	547	THT102486	770
L	T850-175	524	TB1T-10	73	TCSHT4	675	TERR-80.25-2	547	THT102RK061	770
	T850-200	524	TB1T-11	73	TCSHT6	675	TERR-80.28-2	547	THT102RK086	770
M	T850-250	524	TB21	133	TCSHT8	675	TERR-80.32-3	547	THT10309328	765
	T850-300	524	TB26	133	TD10	133	TERR-80.38-3	547	THT106126	770
N	T850-350	524	TB2S-15	73	TD13	133	TERR-80.51-3	547	THT106146	770
	T850-400	524	TB2S-16	73	TD17	133	TERR-81.06-2	547	THT1061826	768
O	T850-450	524	TB2T-15	73	TD21	133	TERR-81.10-2	547	THT1061836	768
	T850-500	524	TB2T-16	73	TD26	133	TERR-81.13-2	547	THT1061846	768
P	T850-550	524	TB33	133	TD33	133	TERR-81.16-2	547	THT106191	768
	T850-600	524	TB3S-20	73	TDG16C05	729	TERR-81.19-2	547	THT106291	768
Q	T850-650	524	TB3S-21	73	TE-45-110-UPVC	326	TERR-81.25-2	547	THT106292	768
	T850-700	524	TB3T-20	73	TE-45-16-UPVC	326	TERR-81.28-2	547	THT106386	770
R	T850-750	524	TB3T-21	73	TE-45-20-UPVC	326	TERR-81.32-3	547	THT106391	768
	T850-800	524	TB4S-25	73	TE-45-25-UPVC	326	TERR-81.38-3	547	THT10701	771
S	T850-850	524	TB4S-26	73	TE-45-32-UPVC	326	TERR-81.51-3	547	THT10832	771
	T850-900	524	TB4T-25	73	TE-45-40-UPVC	326	TERR-90.01-2	547	THT111051	772
T	TA10	133	TB4T-26	73	TE-45-50-UPVC	326	TERR-90.02-2	547	THT113146	761
	TA13	133	TB6S-30	73	TE-45-63-UPVC	326	TERR-90.03-2	547	THT113246	761
U	TA17	133	TB6S-31	73	TE-45-75-UPVC	326	TE11-12	339	THT113426	761
	TA21	133	TB6T-30	73	TE-45-90-UPVC	326	TE11-34	339	THT11386	761
V	TA26	133	TB6T-31	73	TE-90-110-UPVC	326	TF12	74	THT114041	764
W	TA33	133	TBAR2	113	TE-90-16-UPVC	326	TF8005	791	THT115102	761
	TABLE-D-112	209	TBAR3	113	TE-90-20-UPVC	326	TF8104	791	THT115242	761
X	TABLE-D-2	209	TBAR4	113	TE-90-25-UPVC	326	TF8204	791	THT115362	761
	TABLE-D-4	209	TC-10-114-UPVC	331	TE-90-32-UPVC	326	TF8304	791	THT11561	761
Y	TABLE-E-1	209	TC-32-1-UPVC	331	TE-90-40-UPVC	326	TFB14	74	THT118082	764
	TABLE-E-112	209	TC10	133	TE-90-50-UPVC	326	TFB34	74	THT121251	769
Z	TABLE-E-2	209	TC13	133	TE-90-63-UPVC	326	TFB38	74	THT13141	771

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
THT13161	771	THT53422	761	TKL10	133	TOOL-868552	584	TR10025BL	554
THT1320502	771	THT54106	759	TKL13	133	TOOL-868558	732	TR19048BL	554
THT1320801	771	THT54166	759	TKL17	133	TOOL-868573	583	TR20036	554
THT1321202	771	THT55206D	759	TKL21	133	TOOL-868593	587	TR20036BL	554
THT1321401	771	THT59126	759	TKL26	133	TOOL-969746	582	TR28048	554
THT141121	769	THT59126B	759	TKL33	133	TORRENT-1	581	TR28048BL	554
THT141451	769	THT6146	771	TM12	74	TORRENT-3	581	TR30076	554
THT15101	764	THT6186	771	TMB34	74	TP69	673	TR30076BL	554
THT16241	772	THT7143166	762	TMT126031	771	TPG1H01	729	TR37048	554
THT16P1011	772	THT715006	762	TMT126052	771	TPG3H01	729	TR37048BL	554
THT16P2031	772	THT7215006	762	TMT126101	771	TPG4H01	729	TR38076	554
THT170806	765	THT73166	762	TMT20605M	771	TP1-2	340	TR38076BL	554
THT171102	765	THT74246	762	TMT21005M	771	TPM12T	412	TRI-092856	471
THT171142	765	THT750416	761	TMT21505M	771	TPM16T	412	TRI-092872	471
THT171186	765	THT761616	762	TMT22006	771	TPM22T	412	TRI-100236	471
THT171206	765	THT77406	762	TMT2306	771	TPTFE-04/025-10M	443	TRI-100284	471
THT171246	765	THT79021	762	TMT2806	771	TPTFE-04/025-30M	443	TRI-145571	471
THT171366	765	THT91462	760	TMT321501	771	TPTFE-06/040-10M	443	TRI-145597	471
THT171486	765	THT918516	760	TMT322001	771	TPTFE-06/040-30M	443	TRI-145655	471
THT172011	765	THT92102	760	TMT5401	771	TPTFE-08/060-10M	443	TRI-145671	471
THT172021	765	THTCS12591	769	TMTF12306	771	TPTFE-08/060-30M	443	TRICO12	428
THT191001	764	THTGTS6100	766	TNI02	151	TPTFE-10/080-10M	443	TRICO12-100M	428
THT191002	764	THTGTS6150	766	TNI03	151	TPTFE-10/080-30M	443	TRICO19	428
THT1921001	764	THTGTS8150	766	TNI04	151	TPTFE-12/010-10M	443	TRICO19-100	428
THT1941001	764	THTGTS8200	766	TNI05	151	TPTFE-12/010-30M	443	TRICO25	428
THT20409	772	THTGTSPh2100	766	TNI06	151	TR-11050-UPVC	327	TRICO25-100	428
THT210706S	763	THTGTSPh2150	766	TNI08	151	TR-11063-UPVC	327	TRSI-2-112	339
THT210806	763	THTGTSPh3150	766	TNI10	151	TR-11075-UPVC	327	TSI-1	339
THT210906S	763	THTGTSPh3200	766	TNI12	151	TR-11090-UPVC	327	TSI-112	339
THT2146	765	THTIS4100	767	TNMO4	151	TR-125110-UPVC	327	TSI-2	339
THT2166	765	THTIS5125	767	TNMO5	151	TR-12563-UPVC	327	TSI-34	339
THT220606	763	THTIS566	767	TNMO6	151	TR-12575-UPVC	327	TSI250S	402
THT220806S	763	THTIS6150	767	TNMO8	151	TR-12590-UPVC	327	TSI312S	402
THT22386	765	THTISP22100	767	TNM10	151	TR-140110-UPVC	327	TSI375S	402
THT2246	765	THTST12081	770	TNM12	151	TR-140125-UPVC	327	TSM10N	302
THT2266	765	THTST12091	770	TNM15	151	TR-14075-UPVC	327	TSM15N	302
THT230706	763	THTST12101	770	TNM16	151	TR-14090-UPVC	327	TSM22N	302
THT2346	766	THTST12111	770	TNM22	151	TR-160110-UPVC	327	TSM28N	302
THT2366	766	THTST12121	770	TNM28	151	TR-160125-UPVC	327	TSO-110-4-UPVC	325
THT2446	766	THTST12131	770	TO06NP	134	TR-160140-UPVC	327	TSO-125-5-UPVC	325
THT24616	764	THTST12141	770	TOOL-196506	583	TR-16090-UPVC	327	TSO-16-38-UPVC	325
THT2466	766	THTST12151	770	TOOL-196536	732	TR-2016-UPVC	327	TSO-20-12-UPVC	325
THT250201	766	THTST12161	770	TOOL-196539	583	TR-2516-UPVC	327	TSO-25-34-UPVC	325
THT250606	766	THTST12171	770	TOOL-244973	582	TR-2520-UPVC	327	TSO-32-1-UPVC	325
THT250608	766	THTST12181	770	TOOL-282460	732	TR-3216-UPVC	327	TSO-40-114-UPVC	325
THT250610	766	THTST12191	770	TOOL-371756	582	TR-3220-UPVC	327	TSO-50-112-UPVC	325
THT250618	766	THTST12201	770	TOOL-394989	583	TR-3225-UPVC	327	TSO-63-2-UPVC	325
THT250726	766	THTST12211	770	TOOL-427551	583	TR-4016-UPVC	327	TSO-75-212-UPVC	325
THT25616	761	THTST12221	770	TOOL-456968	583	TR-4020-UPVC	327	TSO-90-3-UPVC	325
THT260606	764	THTST12231	770	TOOL-580420	732	TR-4025-UPVC	327	TSP12101	772
THT281006	764	THTST12241	770	TOOL-580449	583	TR-4032-UPVC	327	TSP13101	772
THT28101	764	THTST12251	770	TOOL-598438	582	TR-5020-UPVC	327	TST-04/020	443
THT2881	764	THTST12261	770	TOOL-598479	583	TR-5025-UPVC	327	TST-06/040	443
THT290801	764	THTST12271	770	TOOL-630070	587	TR-5032-UPVC	327	TST-08/050	443
THT2K0301S	763	THTST12281	770	TOOL-633535	582	TR-5040-UPVC	327	TST-10/080	443
THT32105	760	THTST12291	770	TOOL-633595	587	TR-6320-UPVC	327	TST-12/080	443
THT41K0401	763	THTST12301	770	TOOL-633741	589	TR-6325-UPVC	327	TSUI-112	339
THT4211016	763	THTST12321	770	TOOL-656601	583	TR-6332-UPVC	327	TSUI-2	339
THT421441	769	THWS010901	559	TOOL-675070	584	TR-6340-UPVC	327	TSUI-34	339
THT4221016	763	TI10	133	TOOL-675108	587	TR-6350-UPVC	327	TT1	143
THT431482	761	TI13	133	TOOL-719787	583	TR-7532-UPVC	327	TT12	143
THT511802	760	TI17	133	TOOL-719788	587	TR-7540-UPVC	327	TT14	143
THT513613	760	TI21	133	TOOL-763556	732	TR-7550-UPVC	327	TT18	143
THT521106	760	TI26	133	TOOL-763559	582	TR-7563-UPVC	327	TT34	143
THT522106	760	TI33	133	TOOL-783093	582	TR-9040-UPVC	327	TT38	143
THT523106	760	TIGERTAIL-51-15	444	TOOL-783124	732	TR-9050-UPVC	327	TT3T	412
THT53321	761	TIM5	133	TOOL-793753	583	TR-9063-UPVC	327	TTH-BLUE	816
THT53351	761	TKL05	133	TOOL-793780	583	TR-9075-UPVC	327	TTH-GREY	816

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	TTH-RED	816	U-500	221	UE-250	223	UP11-34F	141	UP15-18	142
1	TVI-2	340	U-6	228	UE-3	229	UP12-1	143	UP15-38	142
	TVR-20B	634	U-6-125	221	UE-312	223	UP12-112	143	UP16-1	142
2	TVR-C-15	634	U-6-250	221	UE-375	223	UP12-112F	143	UP16-12	142
	TVR-C-15	701	U-6-312	221	UE-4	229	UP12-114	143	UP16-14	142
3	TVR-C-15-110VAC	634	U-625	221	UE-500	223	UP12-114F	143	UP16-18	142
	TVR-C-15-110VAC	701	U-63-UPVC	328	UE-6	229	UP12-12	143	UP16-34	142
4	TVR-C-15-24VAC	634	U-75-UPVC	328	UE-625	223	UP12-12F	143	UP16-38	142
	TVR-C-15-24VAC	701	U-750	221	UE-750	223	UP12-14	143	UP17-12	143
5	TVR-C-15-24VDC	634	U-8	228	UE-8	229	UP12-18	143	UP17-14	143
	TVR-C-15-24VDC	701	U-8-250	221	UE-875	223	UP12-1F	143	UP17-18	143
6	TVR-G-15	634	U-8-375	221	UFA4	116	UP12-32	143	UP17-38	143
	TVR-G-15	701	U-875	221	UIJ3	116	UP12-34	143	UP18-12	143
7	TWL3600LI	725	U-90-UPVC	328	UIJ4	116	UP12-34F	143	UP18-14	143
	TWL3600LI	772	U780280	524	UIJ6	116	UP12-38	143	UP18-18	143
8	TY-16-UPVC	327	U780320	524	UJLC113/118	525	UP12-38F	143	UP18-38	143
	TY-20-UPVC	327	U780350	524	UJLC15/19	525	UP12-58	143	UP19-1	142
9	TY-25-UPVC	327	U780380	524	UJLC159/166	525	UP12-78	143	UP19-12	142
	TY-32-UPVC	327	U780410	524	UJLC199/212	525	UP12-MM10	143	UP19-14	142
A	TY-40-UPVC	327	U780430	524	UJLC20/25	525	UP12-MM12	143	UP19-18	142
	TY-50-UPVC	327	U780450	524	UJLC32/36	525	UP12-MM14	143	UP19-34	142
B	TY-63-UPVC	327	U780480	524	UJLC38/43	525	UP12-MM14.1	143	UP19-38	142
	TY43-1-ABS	342	U780510	524	UJLC47/51	525	UP12-MM15	143	UP2-12-1	137
C	TY43-1-UPVC	334	U780540	524	UJLC60/64	525	UP12-MM16	143	UP2-12-14P	137
	TY43-112-UPVC	334	U780580	524	UJLC99/105	525	UP12-MM18	143	UP2-12-1P	137
D	TY43-114-ABS	342	U780600	524	UN12	167	UP12-MM20	143	UP2-12-34	137
	TY43-114-UPVC	334	U780640	524	UN14	167	UP12-MM22	143	UP2-12-34P	137
E	TY43-12-ABS	342	U780670	524	UN18	167	UP12-MM24	143	UP2-12-38P	137
	TY43-12-UPVC	334	U780700	524	UN316	167	UP12-MM26	143	UP2-14-12	137
F	TY43-2-ABS	342	U780750	524	UN34	167	UP12-MM28	143	UP2-14-12P	137
	TY43-2-UPVC	334	U780770	524	UN38	167	UP12-MM30	143	UP2-14-18P	137
G	TY43-212-UPVC	334	U780790	524	UN516	167	UP12-MM34	143	UP2-14-34	137
	TY43-34-ABS	342	U780800	524	UN83-1-ABS	342	UP12-MM38	143	UP2-14-38	137
H	TY43-34-UPVC	334	U780830	524	UN83-1-UPVC	335	UP12-MM42	143	UP2-14-38P	137
	TZLD100	634	U780890	524	UN83-112-ABS	342	UP12-MM45	143	UP2-18-12	137
I	TZLD300	634	U780920	524	UN83-112-UPVC	335	UP13-1	140	UP2-18-14	137
	U		U780950	524	UN83-114-ABS	342	UP13-12	140	UP2-18-14P	137
J	U-10	228	U781000	524	UN83-114-UPVC	335	UP13-12-34N	140	UP2-18-38	137
	U-10-125	221	U781020	524	UN83-12-ABS	342	UP13-12-34P	139	UP2-34-1	137
K	U-10-250	221	U781100	524	UN83-12-UPVC	335	UP13-12N	140	UP2-34-12P	137
	U-10-312	221	U781200	524	UN83-2-ABS	342	UP13-14	140	UP2-34-1P	137
L	U-10-375	221	U781250	524	UN83-2-UPVC	335	UP13-14-12N	140	UP2-38-12	137
	U-1000	221	UBE3	116	UN83-212-ABS	342	UP13-14-12P	139	UP2-38-12P	137
M	U-110-UPVC	328	UBE4	116	UN83-212-UPVC	335	UP13-14-38N	140	UP2-38-14P	137
	U-12	228	UC-10	229	UN83-3-ABS	342	UP13-14-38P	139	UP2-38-34	137
N	U-12-312	221	UC-1000	223	UN83-3-UPVC	335	UP13-14N	140	UP2-38-34P	137
	U-12-375	221	UC-12	229	UN83-34-ABS	342	UP13-18	140	UP20-1	142
O	U-12-500	221	UC-125	223	UN83-34-UPVC	335	UP13-18-14N	140	UP20-12	142
	U-125	221	UC-16	229	UN83-4-ABS	342	UP13-18-14P	139	UP20-14	142
P	U-15	228	UC-18	229	UN83-4-UPVC	335	UP13-18-14U	140	UP20-18	142
	U-15-500	221	UC-20	229	UN100-250-UPVC	332	UP13-18-38N	140	UP20-34	142
Q	U-16	228	UC-25	229	UN100-500-UPVC	332	UP13-18-38P	139	UP20-38	142
	U-16-UPVC	328	UC-250	223	UNITOP	676	UP13-18N	140	UP21-1	142
R	U-18	228	UC-3	229	UNR3	116	UP13-1N	140	UP21-12	142
	U-18-750	221	UC-312	223	UNR4	116	UP13-34	140	UP21-14	142
S	U-187	221	UC-375	223	UP1-1	137	UP13-34-1N	140	UP21-18	142
	U-20-1000	221	UC-500	223	UP1-112	137	UP13-34-1P	139	UP21-38	142
T	U-20-500	221	UC-6	229	UP1-114	137	UP13-34N	140	UP22-1	142
	U-20-FT	228	UC-750	223	UP1-12	137	UP13-38	140	UP22-12	142
U	U-20-UPVC	328	UC-8	229	UP1-14	137	UP13-38-12N	140	UP22-14	142
	U-22	228	UDR4	116	UP1-18	137	UP13-38-12P	139	UP22-18	142
V	U-25	228	UDR5	116	UP1-2	137	UP13-38N	140	UP22-34	142
	U-25-1000	221	UDR6	116	UP1-212	137	UP13-M5-14	140	UP22-38	142
W	U-25-UPVC	328	UE-10	229	UP1-3	137	UP13-M5-18	140	UP3-1-114	138
	U-250	221	UE-1000	223	UP1-34	137	UP13-M5-M5	140	UP3-112-2	138
X	U-3	228	UE-12	229	UP1-38	137	UP13-M6-14	140	UP3-114-112	138
	U-3-125	221	UE-125	223	UP10-14	142	UP13-M6-18	140	UP3-114-2	138
Y	U-312	221	UE-14	229	UP10-18	142	UP14-1	142	UP3-12-1	138
	U-32-UPVC	328	UE-15	229	UP10-38	142	UP14-12	142	UP3-12-1N	138
Z	U-375	221	UE-16	229	UP11-112F	141	UP14-14	142	UP3-12-1P	138
	U-4	228	UE-18	229	UP11-114F	141	UP14-18	142	UP3-12-34	138
	U-4-125	221	UE-187	223	UP11-12F	141	UP14-34	142	UP3-12-34N	138
	U-4-250	221	UE-20	229	UP11-14	142	UP14-38	142	UP3-12-34P	138
	U-40-UPVC	328	UE-22	229	UP11-18	142	UP15-12	142	UP3-14-1	138
	U-50-UPVC	328	UE-25	229	UP11-2F	141	UP15-14	142	UP3-14-12	138

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
UP3-14-12N	138	UP4-MM10	139	UP9-38	141	URU-152-10	474	VDA20008	602
UP3-14-12P	138	UP4-MM12	139	UPS1	449	URU-203-10	474	VDA20009	602
UP3-14-1N	138	UP4-MM14	139	UPT3	116	URU-25-10	474	VE-32-UPVC	331
UP3-14-1P	138	UP4-MM16	139	UPT4	116	URU-32-10	474	VE000474	706
UP3-14-34	138	UP4-MM18	139	UPT6	116	URU-38-10	474	VE000478	706
UP3-14-34N	138	UP4-MM20	139	UPVC/7TUBE-3-1	339	URU-51-10	474	VE000493	706
UP3-14-34P	138	UP4-MM22	139	UPVC/7TUBE-3-112	339	URU-76-10	474	VE000511	706
UP3-14-38	138	UP4-MM24	139	UPVC/7TUBE-3-12	339	USC-1	108	VE000512	707
UP3-14-38N	138	UP4-MM26	139	UPVC/7TUBE-3-2	339	USHT3	116	VE000515	706
UP3-14-38P	138	UP4-MM28	139	UPVC/7TUBE-6-112	339	USHT4	116	VE000518	706
UP3-14-M16	138	UP4-MM30	139	UPVC/CTUBE-3-2	338	USMT4	116	VE000519	707
UP3-14-M18	138	UP5-12	140	UPVC/CTUBE-3-212	338	UT-10	229	VE000525	706
UP3-14-M20	138	UP5-12N	140	UPVC/CTUBE-3-3	338	UT-1000	223	VE000528	706
UP3-14-M22	138	UP5-14	140	UPVC/CTUBE-3-4	338	UT-110-UPVC	328	VE000529	707
UP3-18-1	138	UP5-14N	140	UPVC/CTUBE-3-5	338	UT-12	229	VE000534	706
UP3-18-12	138	UP5-18	140	UPVC/CTUBE-3-6	338	UT-125	223	VE000535	706
UP3-18-12N	138	UP5-18N	140	UPVC/CTUBE-3-8	338	UT-14	229	VE000536	707
UP3-18-12P	138	UP5-1N	140	UPVC/CTUBE-6-2	338	UT-15	229	VE000633	706
UP3-18-14	138	UP5-34N	140	UPVC/CTUBE-6-212	338	UT-16	229	VE000634	706
UP3-18-14N	138	UP5-38	140	UPVC/CTUBE-6-3	338	UT-16-UPVC	328	VE000635	706
UP3-18-14P	138	UP5-38N	140	UPVC/CTUBE-6-4	338	UT-18	229	VE000644	706
UP3-18-34	138	UP6-1	140	UPVC/CTUBE-6-5	338	UT-187	223	VE000645	706
UP3-18-34P	138	UP6-112	140	UPVC/CTUBE-6-6	338	UT-20	229	VE000680	706
UP3-18-38	138	UP6-114	140	UPVC/ETUBE-3-1	338	UT-20-UPVC	328	VE000707	706
UP3-18-38N	138	UP6-12	140	UPVC/ETUBE-3-112	338	UT-22	229	VE000709	706
UP3-18-38P	138	UP6-12N	141	UPVC/ETUBE-3-114	338	UT-25	229	VE000728	706
UP3-34-1	138	UP6-14	140	UPVC/ETUBE-3-12	338	UT-25-UPVC	328	VE000739	706
UP3-34-114	138	UP6-14N	141	UPVC/ETUBE-3-2	338	UT-250	223	VE000873	706
UP3-34-1N	138	UP6-18	140	UPVC/ETUBE-3-3	338	UT-3	229	VE000901	707
UP3-34-1P	138	UP6-18N	141	UPVC/ETUBE-3-34	338	UT-312	223	VE000906	707
UP3-38-1	138	UP6-1N	141	UPVC/ETUBE-3-4	338	UT-32-UPVC	328	VE000907	707
UP3-38-12	138	UP6-2	140	UPVC/ETUBE-6-1	338	UT-375	223	VE000908	707
UP3-38-12N	138	UP6-3	140	UPVC/ETUBE-6-112	338	UT-4	229	VE000909	707
UP3-38-12P	138	UP6-34	140	UPVC/ETUBE-6-114	338	UT-40-UPVC	328	VE001237	706
UP3-38-1N	138	UP6-34N	141	UPVC/ETUBE-6-12	338	UT-50-UPVC	328	VE001249	706
UP3-38-1P	138	UP6-38	140	UPVC/ETUBE-6-2	338	UT-500	223	VE001250	706
UP3-38-34	138	UP6-38N	141	UPVC/ETUBE-6-3	338	UT-6	229	VE001251	706
UP3-38-34N	138	UP6-4	140	UPVC/ETUBE-6-34	338	UT-625	223	VE001294	706
UP3-38-34P	138	UP6-M5	141	UPVC/ETUBE-6-4	338	UT-63-UPVC	328	VE001295	706
UP3-38-M22	138	UP7-1	141	UPVC/TUBE-3-110	330	UT-75-UPVC	328	VE001296	706
UP3-M12-M16	138	UP7-112	141	UPVC/TUBE-3-140	330	UT-750	223	VFP10	145
UP3-M16-M20	138	UP7-114	141	UPVC/TUBE-3-16	330	UT-8	229	VFP13	145
UP3-M16-M22	138	UP7-12	141	UPVC/TUBE-3-160	330	UT-875	223	VFP17	145
UP3-M5-18	138	UP7-12C	141	UPVC/TUBE-3-20	330	UT-90-UPVC	328	VFP21	145
UP4-1-12P	139	UP7-14	141	UPVC/TUBE-3-225	330	UW4	116	VFP26	145
UP4-1-34P	139	UP7-14C	141	UPVC/TUBE-3-25	330	<b>V</b>		VFP33	145
UP4-1-38P	139	UP7-18	141	UPVC/TUBE-3-32	330	VACA-25	489	VFP42	145
UP4-112P	139	UP7-18C	141	UPVC/TUBE-3-40	330	VACA-32	489	VFP48	145
UP4-114P	139	UP7-2	141	UPVC/TUBE-3-50	330	VACA-38	489	VFP52	145
UP4-12-14P	139	UP7-34	141	UPVC/TUBE-3-63	330	VACA-45	489	VG100-01D	638
UP4-12-38P	139	UP7-38	141	UPVC/TUBE-3-75	330	VACA-50	489	VG100-01T	638
UP4-12N	139	UP7-38C	141	UPVC/TUBE-3-90	330	VACA-63	489	VG40-01B	638
UP4-12P	139	UP7-MM05	141	UPVC/TUBE-6-110	330	VAG 10/25	90	VG40-01R	638
UP4-14N	139	UP8-1	141	UPVC/TUBE-6-140	330	VAG 20/50	90	VG50-01B	638
UP4-14P	139	UP8-112	141	UPVC/TUBE-6-16	330	VCAP10	145	VG50-01C	638
UP4-18-14P	139	UP8-114	141	UPVC/TUBE-6-160	330	VCAP13	145	VG50-01R	638
UP4-18N	139	UP8-12	141	UPVC/TUBE-6-20	330	VCAP17	145	VG50-01T	638
UP4-18P	139	UP8-12N	141	UPVC/TUBE-6-225	330	VCAP21	145	VG63-01BG	641
UP4-1N	139	UP8-14	141	UPVC/TUBE-6-25	330	VCAP26	145	VG63-01C	638
UP4-1P	139	UP8-14N	141	UPVC/TUBE-6-32	330	VCAP33	145	VG63-01RG	641
UP4-212P	139	UP8-18	141	UPVC/TUBE-6-40	330	VCAP42	145	VG63-01T	638
UP4-2P	139	UP8-18N	141	UPVC/TUBE-6-50	330	VCAP48	145	VGBG060114	639
UP4-34-14P	139	UP8-1N	141	UPVC/TUBE-6-63	330	VCAP52	145	VGBG100112	639
UP4-34-38P	139	UP8-2	141	UPVC/TUBE-6-75	330	VDA10003	602	VGBP040118	637
UP4-34N	139	UP8-212	141	UPVC/TUBE-6-90	330	VDA10004	602	VGBP060114	637
UP4-34P	139	UP8-3	141	UPVCBR-110	329	VDA10005	602	VGBU040118	637
UP4-38-14P	139	UP8-34	141	UPVCBR-20	329	VDA10006	602	VGBU060114	637
UP4-38-18P	139	UP8-34N	141	UPVCBR-25	329	VDA10007	602	VHP1	144
UP4-38N	139	UP8-38	141	UPVCBR-32	329	VDA10008	602	VHP112	144
UP4-38P	139	UP8-MM05	141	UPVCBR-40	329	VDA10009	602	VHP112N	144
UP4-3P	139	UP9-1	141	UPVCBR-50	329	VDA20003	602	VHP112P	144
UP4-4P	139	UP9-12	141	UPVCBR-63	329	VDA20004	602	VHP114	144
UP4-MM05	139	UP9-14	141	UPVCBR-75	329	VDA20005	602	VHP114N	144
UP4-MM06	139	UP9-18	141	UPVCBR-90	329	VDA20006	602	VHP114P	144
UP4-MM08	139	UP9-34	141	URU-102-10	474	VDA20007	602	VHP12	144

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	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	VHP12N	144	VNC10009	602	W8006-045	477	WADE-1083	173	WADE-4071/3API	172
1	VHP12P	144	VNC20003	602	W8006-051	477	WADE-1083/A	175	WADE-4071/8	172
2	VHP14	144	VNC20004	602	W8006-060	477	WADE-1083/API	173	WADE-4073/11	172
3	VHP14N	144	VNC20005	602	W8006-063	477	WADE-1085	173	WADE-4074/11	172
4	VHP14P	144	VNC20006	602	W8006-076	477	WADE-1088	173	WADE-4080/3	173
5	VHP18	144	VNC20007	602	W8006-080	477	WADE-1088/A	175	WADE-4081/3	173
6	VHP18N	144	VNC20008	602	W8006-082	477	WADE-1088/API	173	WADE-4081/3API	173
7	VHP18P	144	VNC20009	602	W8006-090	477	WADE-1091	173	WADE-4083/1	173
8	VHP1N	144	VP/5B/4/5	815	W8006-102	477	WADE-1091/API	173	WADE-4083/11A	175
9	VHP1P	144	VP/5B/7	815	W8006-110	477	WADE-1097	173	WADE-4083/11API	173
A	VHP2	144	VP/5B/8	815	W8006-127	477	WADE-1103	180	WADE-4083/1API	173
B	VHP2N	144	VP01	145	W8006-152	477	WADE-1105	180	WADE-4083/8	173
C	VHP2P	144	VPQ112	145	W8006-165	477	WADE-1108	180	WADE-4083/8A	175
D	VHP34	144	VPQ114	145	W8006-180	477	WADE-1983	175	WADE-4085/1	173
E	VHP34N	144	VPQ12	145	W8006-203	477	WADE-1985	175	WADE-4085/11	173
F	VHP34P	144	VPQ14	145	W8006-254	477	WADE-2000	173	WADE-4085/8	173
G	VHP38	144	VPQ2	145	W8006-305	477	WADE-2001	173	WADE-4088/11	173
H	VHP38N	144	VPQ34	145	WA10	133	WADE-2003	173	WADE-4088/11A	175
I	VHP38P	144	VPQ38	145	WA13	133	WADE-2005	173	WADE-4088/11API	173
J	VHP58	144	VPS1	144	WA17	133	WADE-2008	173	WADE-4088/3	173
K	VHP58P	144	VPS112	144	WA2-6M	468	WADE-2011	173	WADE-4088/3API	173
L	VHP78	144	VPS112N	144	WA21	133	WADE-2023	175	WADE-4091/8	173
M	VHPM05	144	VPS112P	144	WA26	133	WADE-2023/API	175	WADE-499/1	177
N	VHPM06	144	VPS114	144	WA3-6M	468	WADE-2025	175	WADE-499/11	177
O	VHPM08	144	VPS114N	144	WA33	133	WADE-2025/API	175	WADE-499/3	177
P	VHPM10	144	VPS114P	144	WA4-6M	468	WADE-2028	175	WADE-499/5	177
Q	VHPM12	144	VPS12	144	WA6-3M	468	WADE-2028/API	175	WADE-499/8	177
R	VHPM14	144	VPS12N	144	WA8-3M	468	WADE-2031	175	WADE-5005/3	175
S	VHPM16	144	VPS12P	144	WADE-1001/BL	177	WADE-2031/API	175	WADE-5023/1	175
T	VHPM18	144	VPS14	144	WADE-1003/BL	177	WADE-2040	175	WADE-5023/1API	175
U	VHPM20	144	VPS14N	144	WADE-1008/BL	177	WADE-2041	175	WADE-5023/8	175
V	VHPM22	144	VPS14P	144	WADE-1011/BL	177	WADE-2043	175	WADE-5028/3API	175
W	VHPM24	144	VPS18	144	WADE-1020	177	WADE-2045	175	WADE-587/3	174
X	VHPM26	144	VPS18N	144	WADE-1021	177	WADE-2048	175	WADE-587/4	174
Y	VHPM28	144	VPS18P	144	WADE-1023	177	WADE-2051	175	WADE-6505/1	174
Z	VHPM30	144	VPS1N	144	WADE-1026	177	WADE-2054	175	WADE-7060	172
	VIG 10/25	90	VPS1P	144	WADE-1028	177	WADE-2085	175	WADE-7060/3	172
	VIG 15/35	90	VPS2	144	WADE-1031	177	WADE-2103	175	WADE-7061	172
	VIG 20/50	90	VPS2N	144	WADE-1033	177	WADE-2105	175	WADE-7061/3	172
	VIK-297352	587	VPS2P	144	WADE-1034	177	WADE-3003	176	WADE-7063	172
	VIK-297552	587	VPS34	144	WADE-1036	177	WADE-3005	176	WADE-7063/1	172
	VIK-299152	587	VPS34N	144	WADE-1037	177	WADE-3083/B	175	WADE-7063/11	172
	VIK-475552	587	VPS34P	144	WADE-1040	173	WADE-3503	174	WADE-7063/8	172
	VIK-475752	587	VPS38	144	WADE-1040/L4	173	WADE-3505	174	WADE-7065	172
	VIK-524752	587	VPS38N	144	WADE-1041	173	WADE-4043/0	176	WADE-7065/1	172
	VIK-525452	587	VPS38P	144	WADE-1041/L6	173	WADE-4043/0/L6	173	WADE-7065/11	172
	VIK-545252	587	VPS58	144	WADE-1043	173	WADE-4043/1	176	WADE-7065/8	172
	VIS-001-04A	630	VPS58P	144	WADE-1043/L10	173	WADE-4045/1	176	WADE-7068	172
	VIS-001-04B	630	VPS78	144	WADE-1043/L3	173	WADE-4045/3	176	WADE-7068/1	172
	VIS-001-06A	630	VST 38/35	90	WADE-1043/L6	173	WADE-4045/3/L3	173	WADE-7068/11	172
	VIS-001-06B	630	VST 50	90	WADE-1045	173	WADE-4048/3	176	WADE-7068/3	172
	VISCO.110	667	VT9012525BKHOOK	812	WADE-1045/L3	173	WADE-4048/5	176	WADE-7071	172
	VITON-1	86	VT9012525BKHOOK	813	WADE-1045/L6	173	WADE-4051/3	176	WADE-7071/3	172
	VITON-112	86	VTCG2100	839	WADE-1048	173	WADE-4051/5	176	WADE-7071/8	172
	VITON-114	86	VTSS-1	839	WADE-1048/L12	173	WADE-4051/8	176	WADE-7073/11	172
	VITON-12	86	VTUF240	581	WADE-1048/L6	173	WADE-4060/3	172	WADE-7074	172
	VITON-2	86	VTX-10LHW	839	WADE-1051	173	WADE-4061/3	172	WADE-7074/11	172
	VITON-212	86	VZ05	135	WADE-1051/L12	173	WADE-4061/3API	172	WADE-7083	173
	VITON-3	86	VZ10	135	WADE-1051/L8	173	WADE-4061/8	172	WADE-7083/1	173
	VITON-34	86	VZ10K	135	WADE-1053	173	WADE-4063/1	172	WADE-7083/11	173
	VK10	135	VZ13	135	WADE-1054	173	WADE-4063/11	172	WADE-7083/8	173
	VK13	135	VZ13K	135	WADE-1060	172	WADE-4063/11API	172	WADE-7085	173
	VK17	135	VZ17	135	WADE-1061	172	WADE-4063/1API	172	WADE-7085/8	173
	VK21	135	VZ17K	135	WADE-1063	172	WADE-4063/8	172	WADE-7088	173
	VK26	135	VZ21	135	WADE-1063/API	172	WADE-4063/8API	172	WADE-7088/11	173
	VK33	135	VZ21K	135	WADE-1065	172	WADE-4065/1	172	WADE-7088/3	173
	VKM	107	VZ26	135	WADE-1065/API	172	WADE-4065/11	172	WADE-7091	173
	VKM-K	107	VZ26K	135	WADE-1068	172	WADE-4065/8	172	WADE-8020	175
	VKO	107	VZ33	135	WADE-1068/API	172	WADE-4068/11	172	WADE-8021	175
	VM700	840	VZ33K	135	WADE-1071	172	WADE-4068/11API	172	WADE-8021/3	175
	VNC10003	602	VZ42K	135	WADE-1071-API	172	WADE-4068/1API	172	WADE-8023	175
	VNC10004	602	<b>W</b>		WADE-1076	172	WADE-4068/3	172	WADE-8023/1	175
	VNC10005	602	W-97	723	WADE-1080	173	WADE-4068/3-API	172	WADE-8023/8	175
	VNC10006	602	W8006-025	477	WADE-1080/API	173	WADE-4071-8API	172	WADE-8025	175
	VNC10007	602	W8006-032	477	WADE-1081	173	WADE-4071/14	172	WADE-8025/1	175
	VNC10008	602	W8006-038	477	WADE-1081/API	173	WADE-4071/3	172	WADE-8025/8	175



Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
WADE-8028	175	WADE-MC110/241	178	WADE-ME112/323	179	WADE-N1028B/C	177	WDC13	547		0
WADE-8028/1	175	WADE-MC110/242	178	WADE-ME115	179	WADE-N1028B/D	177	WDC1A	547		1
WADE-8028/11	175	WADE-MC110/243	178	WADE-ME115/243	178	WADE-N1031B/C	177	WDC1X	547		2
WADE-8028/3	175	WADE-MC110/245	178	WADE-ME115/322	180	WADE-PC1008	174	WDC2	547		3
WADE-8031	175	WADE-MC110/321	178	WADE-ME115/323	179	WADE-PC1011	174	WDC2A	547		4
WADE-9061/E	176	WADE-MC110/322	178	WADE-ME116	179	WADE-SA03/083	174	WDC2X	547		5
WADE-9063/1B	175	WADE-MC110/323	178	WADE-ME116/322	180	WADE-SK4157COMP	174	WDC3	547		6
WADE-9063/B	175	WADE-MC110/325	178	WADE-ME116/323	179	WADE-SP1006/3	177	WDC3X	547		7
WADE-9068/3B	175	WADE-MC110/8	176	WADE-ME122	179	WADE-SP1008/5	177	WDC4	547		8
WADE-9068/B	175	WADE-MC112	179	WADE-ME122/483	179	WADE-TP2043B	174	WDC4X	547		9
WADE-F100	174	WADE-MC112/161	178	WADE-ME125/483	179	WADE-TP2043E	174	WDC5	547		A
WADE-F101	174	WADE-MC112/163	178	WADE-ME125/643	179	WADE-TP2045B	174	WDC6	547		B
WADE-F101/L4	174	WADE-MC112/165	178	WADE-MFR106/N	181	WADE-TP2045E	174	WDC7	547		C
WADE-F101/L45/16	174	WADE-MC112/241	178	WADE-MFR108/N	181	WADE-TP2048B	174	WDC8	547		D
WADE-F101A	174	WADE-MC112/242	178	WADE-MGA104/162	178	WADE-TP2048E	174	WDC9	547		E
WADE-F101A/5/16	174	WADE-MC112/243	178	WADE-MGA106/162	178	WADE-TP2051B	174	WDCMOO	547		F
WADE-F102	174	WADE-MC112/321	178	WADE-MGA106/322	178	WADE-TP2051E	174	WDCO	547		G
WADE-F103	174	WADE-MC112/322	178	WADE-MJ108/081	180	WADE-WMUN104	181	WDCOO	547		H
WADE-F104	174	WADE-MC112/323	178	WADE-MJ108/161	180	WADE-WMUN105	181	WDCOOO	547		I
WADE-F105	174	WADE-MC115	179	WADE-MJ110/161	180	WADE-WMUN106	181	WDCOX	547		J
WADE-F105A	174	WADE-MC115/241	178	WADE-MJ112/321	180	WADE-WMUN108	181	WDH-1/2-50	444		K
WADE-F700	174	WADE-MC115/242	178	WADE-MN406	180	WADE-WMUN110	181	WDH1-10	469		L
WADE-F701	174	WADE-MC115/243	178	WADE-MN408	180	WADE-WMUN112	181	WDH1-30	469		M
WADE-F705	174	WADE-MC115/321	178	WADE-MN410	180	WADE-WMURM10	181	WDH112-10	469		N
WADE-MB106/L10	179	WADE-MC115/322	178	WADE-MN412	180	WADE-WMURM12	181	WDH112-30	469		O
WADE-MB108/L10	179	WADE-MC115/323	178	WADE-MNF706	181	WADE-WMURM4	181	WDH114-10	469		P
WADE-MB110/L10	179	WADE-MC115/8	176	WADE-MNF708	181	WADE-WMURM5	181	WDH114-30	469		Q
WADE-MB112/L10	179	WADE-MC116	179	WADE-MNF806	181	WADE-WMURM6	181	WDH2-10	469		R
WADE-MB115/L10	179	WADE-MC116/243	178	WADE-MNF808	181	WADE-WMURM8	181	WDH2-30	469		S
WADE-MB122/L12	179	WADE-MC116/321	178	WADE-MNF810	181	WADE-WUN1000	176	WDH212-10	469		T
WADE-MC104	179	WADE-MC116/323	178	WADE-MNF812	181	WADE-WUN1001	176	WDH212-30	469		U
WADE-MC104/082	178	WADE-MC118/321	178	WADE-MNF816	181	WADE-WUN1003	176	WDH3-10	469		V
WADE-MC104/083	178	WADE-MC118/481	178	WADE-MR206	180	WADE-WUN1005	176	WDH3-30	469		W
WADE-MC104/161	178	WADE-MC120	179	WADE-MR208	180	WADE-WUN1008	176	WDH34-10	469		X
WADE-MC104/162	178	WADE-MC120/481	178	WADE-MR210	180	WADE-WUN1011	176	WDH34-30	469		Y
WADE-MC104/163	178	WADE-MC120/483	178	WADE-MR212	180	WADE-WUR1020	177	WDH4-10	469		Z
WADE-MC105	179	WADE-MC122/481	178	WADE-MR215	180	WADE-WUR1021	177	WDH4-30	469		
WADE-MC105/082	178	WADE-MC122/482	178	WADE-MSE106	180	WADE-WUR1023	177	WDHC1	520		
WADE-MC105/083	178	WADE-MC122/483	178	WADE-MSE108	180	WADE-WUR1026	177	WDHC1-SS	520		
WADE-MC105/163	178	WADE-MC122/641	178	WADE-MSE110	180	WADE-WUR1028	177	WDHC180-SS	520		
WADE-MC106	179	WADE-MC125/481	178	WADE-MSE112	178	WADE-WUR1031	177	WDHC1A	520		
WADE-MC106/081	178	WADE-MC125/641	178	WADE-MT104	179	WADE-WVA1/B/16	176	WDHC1A-SS	520		
WADE-MC106/082	178	WADE-MCP06	180	WADE-MT106	179	WADE-WVA1/B/20	176	WDHC1X	520		
WADE-MC106/083	178	WADE-MCP08	180	WADE-MT108	179	WADE-WVA2/B/16	176	WDHC1X-SS	520		
WADE-MC106/085	178	WADE-MCP10	180	WADE-MT110	179	WADE-WVA2/B/20	176	WDHC2	520		
WADE-MC106/104	179	WADE-MCP12	180	WADE-MT112	179	WADE-WVA3/B/16	176	WDHC2-SS	520		
WADE-MC106/161	178	WADE-ME104/083	179	WADE-MT115	179	WADE-WVA3/B/20	176	WDHC200	520		
WADE-MC106/162	178	WADE-ME106	179	WADE-MT116	179	WADE-WVA4/B/16	176	WDHC200-SS	520		
WADE-MC106/163	178	WADE-ME106/081	179	WADE-MT122	179	WADE-WVA4/B16F1	176	WDHC220	520		
WADE-MC106/165	178	WADE-ME106/082	180	WADE-MT163/108	180	WALLC2-3M	468	WDHC220-SS	520		
WADE-MC106/241	178	WADE-ME106/083	179	WADE-MTP1208B	179	WALLC2-6M	468	WDHC240	520		
WADE-MC106/243	178	WADE-ME106/085	179	WADE-MTP1208E	179	WALLC3312-3M	468	WDHC240-SS	520		
WADE-MC106/245	178	WADE-ME106/161	179	WADE-MTP1210B	179	WALLC3312-6M	468	WDHC260	520		
WADE-MC106/3	176	WADE-ME106/162	180	WADE-MTP1212B	179	WALLC4-3M	468	WDHC260-SS	520		
WADE-MC106/325	178	WADE-ME106/163	179	WADE-MTP1215B	179	WALLC4-6M	468	WDHC280	520		
WADE-MC108	179	WADE-ME106/165	179	WADE-MUR104	181	WALLC6-3M	468	WDHC280-SS	520		
WADE-MC108/081	178	WADE-ME108	179	WADE-MUR105	181	WALLC6-6M	468	WDHC2A	520		
WADE-MC108/082	178	WADE-ME108/081	179	WADE-MUR106	181	WALLCSW2-3M	468	WDHC2A-SS	520		
WADE-MC108/083	178	WADE-ME108/082	180	WADE-MUR108	181	WALLCSW2-6M	468	WDHC2X	520		
WADE-MC108/106	179	WADE-ME108/083	179	WADE-MUR110	181	WALLCSW3312-3M	468	WDHC2X-SS	520		
WADE-MC108/161	178	WADE-ME108/162	180	WADE-MUR112	181	WALLCSW3312-6M	468	WDHC3	520		
WADE-MC108/162	178	WADE-ME108/163	179	WADE-MUR114	181	WALLCSW4-3M	468	WDHC3-SS	520		
WADE-MC108/163	178	WADE-ME108/165	179	WADE-MUR115	181	WALLCSW4-6M	468	WDHC300	520		
WADE-MC108/164	178	WADE-ME108/243	179	WADE-MUR116	181	WALLCSW6-3M	468	WDHC300-SS	520		
WADE-MC108/165	178	WADE-ME110	179	WADE-MUR118	181	WALLCSW6-6M	468	WDHC3X	520		
WADE-MC108/241	178	WADE-ME110/161	179	WADE-MUR120	181	WAM5	133	WDHC3X-SS	520		
WADE-MC108/242	178	WADE-ME110/162	180	WADE-MUR122	181	WASH-GUN	557	WDHC4	520		
WADE-MC108/243	178	WADE-ME110/163	179	WADE-MUR125	181	WC10T	673	WDHC4-SS	520		
WADE-MC110	179	WADE-ME110/165	179	WADE-N1020B/B	177	WC20T	673	WDHC45	520		
WADE-MC110/083	178	WADE-ME110/241	179	WADE-N1021B/B	177	WC35T	673	WDHC45-SS	520		
WADE-MC110/106	179	WADE-ME110/243	179	WADE-N1021B/C	177	WCSD-1332	457	WDHC4X	520		
WADE-MC110/14M15	178	WADE-ME110/323	179	WADE-N1023B/A	177	WCSD-3876	457	WDHC4X-SS	520		
WADE-MC110/161	178	WADE-ME112	179	WADE-N1023B/B	177	WDC1	547	WDHC5	520		
WADE-MC110/162	178	WADE-ME112/163	179	WADE-N1023B/C	177	WDC10	547	WDHC5-SS	520		
WADE-MC110/163	178	WADE-ME112/243	179	WADE-N1025B/A	177	WDC11	547	WDHC6	520		
WADE-MC110/165	178	WADE-ME112/322	180	WADE-N1025B/C	177	WDC12	547	WDHC6-SS	520		

	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
0	WDHC7	520	WG63-14B-10G	644	WL34	93	XO-10	134	Z2473	588
1	WDHC7-SS	520	WG63-14B-11BAR	645	WL38	93	XO-13	134	Z2474	588
	WDHC8	520	WG63-14B-140BAR	645	WL4	93	XO-17	134	Z2485	588
2	WDHCMOO	520	WG63-14B-14BAR	645	WN-1	203	XO-21	134	Z2486	588
	WDHCMOO-SS	520	WG63-14B-160G	644	WN-112	203	XS2001	416	Z2487	588
3	WDHCO	520	WG63-14B-16G	644	WN-114	203	XS4001	418	Z2488	588
	WDHCO-SS	520	WG63-14B-1BAR	645	WN-12	203	XY-720	633	Z2491	588
4	WDHCOO	520	WG63-14B-1G	644	WN-14	203	XY-790H	633	Z2492	588
	WDHCOO-SS	520	WG63-14B-2.5G	644	WN-18	203	XY-790L	633	Z2493	588
5	WDHC000	520	WG63-14B-20BAR	645	WN-2	203	<b>Y</b>		Z2494	588
	WDHC000-SS	520	WG63-14B-250G	644	WN-212	203	YLH-1	458	Z2500	588
6	WDHCOX	520	WG63-14B-25G	644	WN-3	203	YLH-1-10	458	Z2501	588
	WDHCOX-SS	520	WG63-14B-28BAR	645	WN-34	203	YLH-112	458	Z2502	588
7	WEP-12	201	WG63-14B-2BAR	645	WN-38	203	YLH-112-10	458	Z2505	588
	WG-9	747	WG63-14B-400BAR	645	WN-4	203	YLH-114	458	Z2506	588
	WG-900KIT	747	WG63-14B-400G	644	WO_DEP	658	YLH-114-10	458	Z2508	588
8	WG02	559	WG63-14B-40BAR	645	WO_DEPF	658	YLH-2	458	Z2509	588
	WG100-12B-100G	644	WG63-14B-40G	644	WODHL90C	672	YLH-2-10	458	Z2547A	588
9	WG100-12B-160G	644	WG63-14B-4BAR	645	WP3URT	93	YLH-3	458	Z2547B	588
	WG100-12B-250G	644	WG63-14B-4G	644	WPAURT	93	YLH-3-10	458	Z2547D	588
A	WG100-12B-400G	644	WG63-14B-600G	644	WR112	93	YLH-4	458	Z5245	588
	WG100-12B-600G	644	WG63-14B-60G	644	WR114	93	YLH-4-10	458	Z5603	588
B	WG100-12R-100G	644	WG63-14B-6G	644	WR2	93	YLH-5	458	Z5604	588
	WG100-12R-160G	644	WG63-14B-70BAR	645	WR212	93	YLH-5-10	458	Z5610	588
C	WG100-12R-250G	644	WG63-14B-7BAR	645	WR3	93	YLH-6	458	Z5632	588
	WG100-12R-400G	644	WG63-14B-/30HG	644	WR3URT	93	YLH-6-10	458	Z5725	588
D	WG100-12R-600G	644	WG63-14FPM-11BAR	645	WR4	93	YLH-8	458	Z5729	588
	WG100-38B-10G	644	WG63-14FPM-14BAR	645	WR4URT	93	YLH-8-10	458	Z5730	588
E	WG100-38B-11BAR	645	WG63-14FPM-1BAR	645	WS40	517	YLH2-100M-ASSY	461	ZA02-9	503
	WG100-38B-14BAR	645	WG63-14FPM-20BAR	645	WSL10	133	YLH2-25M-ASSY	461	ZA04-10B	503
F	WG100-38B-16G	644	WG63-14FPM-28BAR	645	WSL13	133	YLH2-50M-ASSY	461	ZA04-10B-HIVIS	504
	WG100-38B-18G	645	WG63-14FPM-2BAR	645	WSL17	133	YLH3-100M-ASSY	461	ZA05-15	503
G	WG100-38B-2.5G	644	WG63-14FPM-40BAR	645	WSL21	133	YLH3-25M-ASSY	461	ZA05-15-38	503
	WG100-38B-20BAR	645	WG63-14FPM-4BAR	645	WSL26	133	YLH3-50M-ASSY	461	ZA05-15-HIVIS	504
H	WG100-38B-28BAR	645	WG63-14FPM-7BAR	645	WSL33	133	YLH4-100M-ASSY	461	ZA05-20B	503
	WG100-38B-2BAR	645	WG63-14R-1.6G	644	WSLM5	133	YLH4-25M-ASSY	461	ZA05-20B-12	503
I	WG100-38B-40BAR	645	WG63-14R-100G	644	WTC28	301	YLH4-50M-ASSY	461	ZA05-20B-HIVIS	504
	WG100-38B-40G	644	WG63-14R-10G	644	WTG100-120	646	YLH6-100M-ASSY	461	ZABN34	652
J	WG100-38B-4BAR	645	WG63-14R-160G	644	WTG100-200	646	YLH6-25M-ASSY	461	ZBKV01N	670
	WG100-38B-4G	644	WG63-14R-16G	644	WTG100-60	646	YLH6-50M-ASSY	461	ZBKV34N	670
K	WG100-38B-6G	644	WG63-14R-1G	644	WTG100-TE-120	643	YLH8-25M-ASSY	461	ZFCNASS34	652
	WG100-38B-7BAR	645	WG63-14R-2.5G	644	WTG100-TE-200	643	YLH8-50M-ASSY	461	ZFE10	662
L	WG100-38R-10G	644	WG63-14R-250G	644	WTG100-TE-60	643	YRC25	499	ZFEWB	662
	WG100-38R-16G	644	WG63-14R-25G	644	WTG160-120	643	YRC50	499	ZFFL02B	662
M	WG100-38R-2.5G	644	WG63-14R-400G	644	WTG160-60	643	YRW81170	500	ZFFS10BSP	662
	WG100-38R-40G	644	WG63-14R-40G	644	WTG63-120	646	YRW81170R/W	500	ZFN34	652
N	WG100-38R-4G	644	WG63-14R-4G	644	WTG63-200	646	YS-1	600	ZFNL8	672
	WG100-38R-6G	644	WG63-14R-600G	644	WTG63-60	646	YS-112	600	ZFNL9B	672
O	WG40-18B-14BAR	645	WG63-14R-60G	644	WTG63160-120	643	YS-114	600	ZFSM1	672
	WG40-18B-1BAR	645	WG63-14R-6G	644	WTG63160-60	643	YS-12	600	ZFSM5	672
P	WG40-18B-2BAR	645	WG63-14R-/30HG	644	<b>X</b>		YS-2	600	ZGGH01	688
	WG40-18R-1	645	WG63-716B-1/9	646	X-110-UPVC	327	YS-212	600	ZHC21B	688
Q	WG40-18R-10	645	WGB-100	645	X-16-UPVC	327	YS-3	600	ZHCSW3B	688
	WG40-18R-16	645	WGB-63	645	X-20-UPVC	327	YS-34	600	ZO-10	134
R	WG40-18R-2.5	645	WGS-01	747	X-25-UPVC	327	YS-38	600	ZO-13	134
	WG40-18R-25	645	WGS-02	747	X-32-UPVC	327	YS-4	600	ZO-17	134
S	WG40-18R-4	645	WGS-03	747	X-40-UPVC	327	YZ6185/IP65	500	ZO-21	134
	WG40-18R-6	645	WGS-04	747	X-50-UPVC	327	YZ7325	500	ZOLP16	671
T	WG50-18B-11BAR	645	WGS-05	747	X-63-UPVC	327	<b>Z</b>		ZOM20	657
	WG50-18B-14BAR	645	WGS-06	747	X-75-UPVC	327	Z1129	588	ZPLP02	652
U	WG50-18B-200BAR	645	W110	133	X-90-UPVC	327	Z1130	588	ZPTLH	576
	WG50-18B-20BAR	645	W113	133	XGNSS	559	Z1135	588	ZPTLTC	576
V	WG50-18B-40BAR	645	W117	133	XGNSSR	559	Z1155	588	ZTHT01	689
	WG50-18B-4BAR	645	WI21	133	XLPECSDH-13-10	473	Z2455	588	ZV-05	135
W	WG50-18B-70BAR	645	WI26	133	XLPECSDH-13-40	473	Z2456	588	ZV-05FKM	135
	WG50-18B-7BAR	645	WI33	133	XLPECSDH-19-10	473	Z2457	588	ZV-10	135
X	WG50-18R-1	645	WIM5	133	XLPECSDH-19-40	473	Z2460	588	ZV-10FKM	135
	WG50-18R-10	645	WL1	93	XLPECSDH-25-10	473	Z2462	588	ZV-13	135
	WG50-18R-16	645	WL112	93	XLPECSDH-25-40	473	Z2463	588	ZV-13FKM	135
Y	WG50-18R-2.5	645	WL114	93	XLPECSDH-32-10	473	Z2464	588	ZV-17	135
	WG50-18R-25	645	WL12	93	XLPECSDH-32-40	473	Z2465	588	ZV-17FKM	135
Z	WG50-18R-4	645	WL14	93	XLPECSDH-38-10	473	Z2466	588	ZV-21	135
	WG50-18R-6	645	WL2	93	XLPECSDH-38-40	473	Z2467	588	ZV-21FKM	135
	WG63-14B-1.6G	644	WL212	93	XLPECSDH-51-10	473	Z2468	588	ZV-26	135
	WG63-14B-100G	644	WL3	93	XLPECSDH-51-40	473	Z2471	588	ZV-33	135



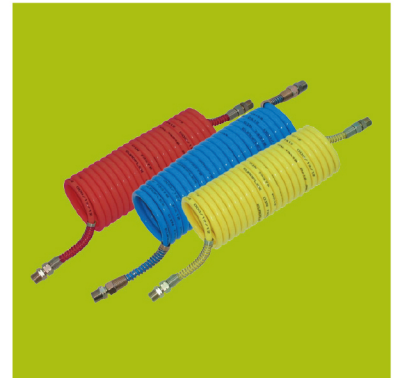


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