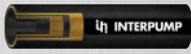


# HYDRAULIC HOSE, FITTINGS & ASSEMBLY EQUIPMENT



**232** INTERPUMP Hydraulic Hose



**245** GATES Lock-On Plus Couplings

New Additions

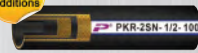


**233** INTERPUMP Hydraulic Fittings



**246** STAFFORD One Piece Hydraulic Hose Fittings

New Additions



**236** PARKAIR Hydraulic Hose



**247** PARKAIR Hydraulic Adaptors



**237** PARKAIR Breaker Hose Assemblies



**248** PARKAIR Bonded Washers



**237** PARKAIR High Pressure Ball Valves



**249** PARKAIR Hydraulic Swivel Joints



**238** PARKAIR Hydraulic Fittings



New

**250** RÖTELMANN Hydraulic Valves & Accessories



**239** EXITFLEX Hose, Fittings & Accessories



New Additions

**253** BURNETT AND HILLMAN Hydraulic Adaptors



**240** EXITFLEX Fittings & Accessories



New

**267** PARKAIR Stainless Steel Convuluted Hose & Hose Assemblies



**240** POLYHOSE Sewer Jetting Hose



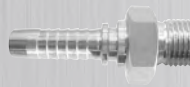
New Additions

**263** PARKAIR Stainless Steel Overbraided PTFE Hose

New Additions



**241** GATES Hydraulic Hose



**271** PARKAIR Stainless Steel Inserts



**242** GATES MegaCrimp Hydraulic Fittings



**272** PARKAIR Stainless Steel Hydraulic Adaptors

# HYDRAULIC HOSE, FITTINGS & ASSEMBLY EQUIPMENT

	<b>274</b>	PARKAIR 10,000 PSI Stainless Steel Hydraulic Adaptors		<b>307</b>	UK FLOWTECHNIK Flowmeters
	<b>276</b>	PARKAIR Hydraulic Compression Fittings		<b>307</b>	UK FLOWTECHNIK Weldless Oil Tanks
	<b>289</b>	PARKAIR Stainless Steel Compression Fittings		<b>308</b>	UK FLOWTECHNIK Float Switches, Heat Exchangers & Heaters
	<b>291</b>	PARKAIR Hydraulic Tube		<b>309</b>	ELESA Hydraulic Accessories
	<b>292</b>	PARKAIR Hydraulic Tube Clamps		<b>314</b>	MP FILTRI Hydraulic Filtration Products
	<b>298</b>	HYDROTECHNIK Pressure Testing Products		<b>316</b>	DARCY Spill Absorbents
	<b>299</b>	HYDROTECHNIK Gauges & Accessories		<b>318</b>	PARKAIR Threaded LDPE Caps & Plugs
	<b>301</b>	HYDROTECHNIK Pressure Sensors		<b>318</b>	Tubing and Hose Symbol Guide
	<b>302</b>	HYDROTECHNIK Test Point Adaptors		<b>319</b>	PARKAIR Hydraulic Hose Protection
	<b>304</b>	HYDROTECHNIK Microbore Hose Assemblies		<b>320</b>	PARKAIR Service Plugs
	<b>305</b>	HYDROTECHNIK Test Point Products		<b>321</b>	PARKAIR Pressure Washer Hose & Accessories
				<b>324</b>	ROTOFLUX Rotary Unions

## INTERPUMP 1SN

### CONSTRUCTION

- Synthetic rubber tube
- One high tensile steel wire braid
- Synthetic rubber cover, MSHA flame retardant approved

### APPLICATIONS

- Hydraulic oils, both mineral and biological
- Polyglycol based oils, water-oil emulsions and water

### TEMPERATURE RANGE

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)  
Occasional peaks up to +125°C (+257°F)  
Polyglycol based oils, water-oil emulsions and water: up to +85°C (+185°F)

### ONE WIRE BRAID HOSE 30 M COIL / LENGTH



8080

PART NUMBER	ins	mm	bar	bar	PRICE per 30 mtrs
IP-TFD0011-04	1/4	13.4	225	900	£167.03
IP-TFD0011-06	3/8	17.4	180	720	£172.13
IP-TFD0011-08	1/2	20.6	160	640	£201.45
IP-TFD0011-12	3/4	27.7	105	420	£308.55
IP-TFD0011-16	1	35.6	88	350	£479.40

## INTERPUMP 2SN

### CONSTRUCTION

- Synthetic rubber tube
- Two high tensile steel wire braids
- Synthetic rubber cover, MSHA flame retardant approved

### APPLICATIONS

- Hydraulic oils, both mineral and biological
- Polyglycol based oils, water-oil emulsions and water

### TEMPERATURE RANGE

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)  
Occasional peaks up to +125°C (+257°F)  
Polyglycol based oils, water-oil emulsions and water: up to +85°C (+185°F)

### TWO WIRE BRAID HOSE 30 M COIL / LENGTH



8080

PART NUMBER	ins	mm	bar	bar	PRICE per 30 mtrs
IP-TFD0021-04	1/4	15.0	400	1600	£178.50
IP-TFD0021-06	3/8	19.0	330	1320	£216.75
IP-TFD0021-08	1/2	22.2	275	1100	£256.28
IP-TFD0021-12	3/4	29.3	215	860	£381.23
IP-TFD0021-16	1	38.1	165	660	£707.63

## INTERPUMP 2SC

### CONSTRUCTION

- Synthetic rubber tube
- Two high tensile steel wire braids
- Synthetic rubber cover

### APPLICATIONS

- Hydraulic oils, both mineral and biological
- Polyglycol based oils, water-oil emulsions and water

### TEMPERATURE RANGE

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)  
Occasional peaks up to +125°C (+257°F)  
Polyglycol based oils, water-oil emulsions and water: up to +85°C (+185°F)

### TWO WIRE BRAID COMPACT HOSE 30 M COIL / LENGTH



8080

PART NUMBER	ins	mm	bar	bar	PRICE per 30 mtrs
IP-TFE002K-04	1/4	13.3	400	1600	£178.50
IP-TFE002K-06	3/8	17.1	330	1320	£214.20
IP-TFE002K-08	1/2	20.4	275	1100	£253.73
IP-TFE002K-12	3/4	27.6	215	860	£355.73
IP-TFE002K-16	1	35.8	165	660	£601.80

## INTERPUMP 4SP

### CONSTRUCTION

- Synthetic rubber tube
- Four high tensile steel wire spirals
- Synthetic rubber cover, MSHA flame retardant approved

### APPLICATIONS

High pressure hydraulic system with extreme high pressure peaks for use with hydraulic oils, both mineral and biological, polyglycol based oils, water-oil emulsions and water

### TEMPERATURE RANGE

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)  
Occasional peaks up to +125°C (+257°F)  
Polyglycol based oils, water-oil emulsions and water: up to +85°C (+185°F)

### FOUR WIRE SPIRAL HOSE 20 M COIL / LENGTH



8080

PART NUMBER	ins	mm	bar	bar	PRICE per 20 mtrs
IP-TFDM4SPN06	3/8	21.2	445	1780	£472.60
IP-TFDM4SPN08	1/2	24.3	415	1660	£504.90
IP-TFDM4SPN12	3/4	32.0	350	1400	£621.35
IP-TFDM4SPN16	1	39.5	280	1120	£859.35

## INTERPUMP 4SH

### CONSTRUCTION

- Synthetic rubber tube
- Four high tensile steel wire spirals
- Synthetic rubber cover, MSHA flame retardant approved

### APPLICATIONS

High pressure hydraulic system with extreme high pressure peaks for use with hydraulic oils, both mineral and biological, polyglycol based oils, water-oil emulsions and water

### TEMPERATURE RANGE

Hydraulic oils: -40°C to +100°C (-40°F to +212°F)  
Occasional peaks up to +125°C (+257°F)  
Polyglycol based oils, water-oil emulsions and water: up to +85°C (+185°F)

### FOUR WIRE SPIRAL HOSE 20 M COIL / LENGTH



8080

PART NUMBER	ins	mm	bar	bar	PRICE per 20 mtrs
IP-TFDM4SHN12	3/4	32.0	420	1780	£646.85
IP-TFDM4SHN16	1	38.4	385	1750	£855.95

## FERRULES



8085

### FERRULES

PART NUMBER	HOSE ID	FOR USE WITH	PRICE
IP-0022-04	1/4"	R1T, R2T, R2K	£1.15
IP-0022-06	3/8"	R1T, R2T, R2K	£1.28
IP-0022-08	1/2"	R1T, R2T, R2K	£1.83
IP-0022-12	3/4"	R2T, R2K	£3.23
IP-0022-16	1"	R1T, R2T, R2K	£5.87



### FERRULES



8085

PART NUMBER	SIZE	FOR USE WITH	PRICE
IP-001C-04	1/4"	1SN, 1SC, 2SC	£1.15
IP-001C-06	3/8"	1SN, 1SC, 2SC	£1.36
IP-001C-08	1/2"	1SN, 1SC, 2SC	£1.66
IP-001C-12	3/4"	1SN, 1SC, 2SC	£2.98
IP-001C-16	1"	1SN, 1SC, 2SC	£5.99



8085

### FERRULES

PART NUMBER	HOSE ID	FOR USE WITH	PRICE
IP-0009-06	3/8"	R9R, 4SP	£2.00
IP-0009-08	1/2"	R9R	£2.25
IP-0009-12	3/4"	R9R, R12, 4SP	£3.57
IP-0009-16	1"	R9R	£7.57

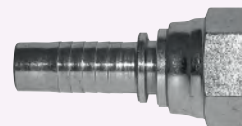
## BSPP FITTINGS



8085

### STRAIGHT 60° CONE BSPP MALE

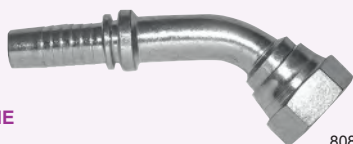
PART NUMBER	HOSE ID	THREAD	PRICE
IP-0350-04-04	1/4"	1/4" BSPP	£1.53
IP-0350-04-06	1/4"	3/8" BSPP	£2.93
IP-0350-06-06	3/8"	3/8" BSPP	£1.91
IP-0350-06-08	3/8"	1/2" BSPP	£2.85
IP-0350-08-08	1/2"	1/2" BSPP	£2.72
IP-0350-10-10	5/8"	5/8" BSPP	£5.27
IP-0350-12-12	3/4"	3/4" BSPP	£4.51
IP-0350-16-16	1"	1" BSPP	£9.78



8085

### STRAIGHT 60° CONE BSPP FEMALE

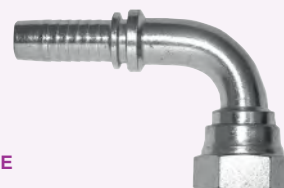
PART NUMBER	HOSE ID	THREAD	PRICE
IP-0051-04-04	1/4"	1/4" BSPP	£1.45
IP-0051-04-06	1/4"	3/8" BSPP	£2.17
IP-0051-06-06	3/8"	3/8" BSPP	£2.08
IP-0051-06-08	3/8"	1/2" BSPP	£3.15
IP-0051-08-08	1/2"	1/2" BSPP	£2.72
IP-0051-10-10	5/8"	5/8" BSPP	£3.78
IP-0051-12-12	3/4"	3/4" BSPP	£4.42
IP-0051-16-16	1"	1" BSPP	£7.40



8085

### 45° SWEPT 60° CONE BSPP FEMALE

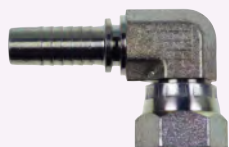
PART NUMBER	HOSE ID	THREAD	PRICE
IP-0251-04-04	1/4"	1/4" BSPP	£2.59
IP-0251-06-06	3/8"	3/8" BSPP	£3.36
IP-0251-08-08	1/2"	1/2" BSPP	£4.59
IP-0251-12-12	3/4"	3/4" BSPP	£8.12
IP-0251-16-16	1"	1" BSPP	£13.52



8085

### 90° SWEPT 60° CONE BSPP FEMALE

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0151-04-04	1/4"	1/4" BSPP	£2.30
IP-0151-06-06	3/8"	3/8" BSPP	£3.02
IP-0151-08-08	1/2"	1/2" BSPP	£4.76
IP-0151-12-12	3/4"	3/4" BSPP	£7.44
IP-0151-16-16	1"	1" BSPP	£14.24



8085

### 90° COMPACT 60° CONE BSPP FEMALE

PART NUMBER	HOSE ID	THREAD	PRICE
IP-2321-04-04	1/4"	1/4" BSPP	£4.85
IP-2321-06-06	3/8"	3/8" BSPP	£5.91
IP-2321-08-08	1/2"	1/2" BSPP	£7.74
IP-2321-12-12	3/4"	3/4" BSPP	£13.39
IP-2321-16-16	1"	1" BSPP	£32.90

## METRIC FITTINGS – LIGHT DUTY

**STRAIGHT 24° CONE  
METRIC MALE**



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0500-04-14	1/4"	M14 x 1.5	£1.79
IP-0500-04-16	1/4"	M16 x 1.5	£2.30
IP-0500-06-16	3/8"	M16 x 1.5	£2.21
IP-0500-06-18	3/8"	M18 x 1.5	£2.13
IP-0500-08-22	1/2"	M22 x 1.5	£2.89
IP-0500-12-30	3/4"	M30 x 2.0	£6.80
IP-0500-16-36	1"	M36 x 2.0	£11.22

## METRIC FITTINGS – HEAVY DUTY

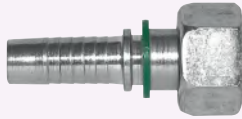
**STRAIGHT 24° CONE  
METRIC MALE**



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0450-04-18	1/4"	M18 x 1.5	£3.57
IP-0450-06-20	3/8"	M22 x 1.5	£2.81
IP-0450-08-24	1/2"	M24 x 1.5	£3.06
IP-0450-12-30	3/4"	M30 x 2.0	£7.65
IP-0450-12-36	3/4"	M36 x 2.0	£7.86
IP-0450-16-42	1"	M42 x 2.0	£15.56

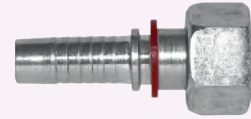
**STRAIGHT 24° CONE  
METRIC FEMALE**



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0085-04-14	1/4"	M14 x 1.5	£1.53
IP-0085-04-16	1/4"	M16 x 1.5	£1.79
IP-0085-06-16	3/8"	M16 x 1.5	£2.38
IP-0085-06-18	3/8"	M18 x 1.5	£1.79
IP-0085-08-22	1/2"	M22 x 1.5	£2.55
IP-0085-12-30	3/4"	M30 x 2.0	£5.40
IP-0085-16-36	1"	M36 x 2.0	£9.44

**STRAIGHT 24° CONE  
METRIC FEMALE**



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0084-04-18	1/4"	M18 x 1.5	£2.76
IP-0084-06-20	3/8"	M20 x 1.5	£2.38
IP-0084-06-22	3/8"	M22 x 1.5	£3.66
IP-0084-08-24	1/2"	M24 x 1.5	£3.78
IP-0084-12-30	3/4"	M30 x 2.0	£8.25
IP-0084-12-36	3/4"	M36 x 2.0	£9.18
IP-0084-16-42	1"	M42 x 2.0	£14.07

**45° SWEEP ELBOW 24° CONE  
METRIC FEMALE**



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0285-04-14	1/4"	M14 x 1.5	£5.95
IP-0285-04-16	1/4"	M16 x 1.5	£5.95
IP-0285-06-16	3/8"	M16 x 1.5	£5.10
IP-0285-06-18	3/8"	M18 x 1.5	£3.66
IP-0285-08-22	1/2"	M22 x 1.5	£4.72
IP-0285-12-30	3/4"	M30 x 2.0	£18.49
IP-0285-16-36	1"	M36 x 2.0	£18.96

**45° SWEEP ELBOW 24° CONE  
METRIC FEMALE**



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0284-04-18	1/4"	M18 x 1.5	£6.21
IP-0284-06-20	3/8"	M20 x 1.5	£5.78
IP-0284-06-22	3/8"	M22 x 1.5	£7.74
IP-0284-08-24	1/2"	M24 x 1.5	£7.57
IP-0284-12-36	3/4"	M36 x 2.0	£19.38
IP-0284-16-36	1"	M36 x 2.0	£25.03
IP-0284-16-42	1"	M42 x 2.0	£40.89

**90° SWEEP ELBOW 24° CONE  
METRIC FEMALE**



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0185-04-14	1/4"	M14 x 1.5	£2.81
IP-0185-04-16	1/4"	M16 x 1.5	£3.49
IP-0185-06-16	3/8"	M16 x 1.5	£3.87
IP-0185-06-18	3/8"	M18 x 1.5	£3.06
IP-0185-08-22	1/2"	M22 x 1.5	£4.76
IP-0185-12-30	3/4"	M30 x 2.0	£10.71
IP-0185-16-36	1"	M36 x 2.0	£18.32

**90° SWEEP ELBOW 24° CONE  
METRIC FEMALE**



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0184-04-18	1/4"	M18 x 1.5	£4.04
IP-0184-06-20	3/8"	M20 x 1.5	£5.10
IP-0184-06-22	3/8"	M22 x 1.5	£6.16
IP-0184-08-24	1/2"	M24 x 1.5	£6.21
IP-0184-12-36	3/4"	M36 x 2.0	£18.66
IP-0184-16-36	1"	M36 x 2.0	£22.70
IP-0184-16-42	1"	M42 x 2.0	£26.10

## JIC FITTINGS

### STRAIGHT 37° CONE JIC MALE



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0850-04-04	1/4"	7/16" JIC	£1.87
IP-0850-04-06	1/4"	9/16" JIC	£2.21
IP-0850-06-06	3/8"	9/16" JIC	£1.91
IP-0850-06-08	3/8"	3/4" JIC	£1.96
IP-0850-08-08	1/2"	3/4" JIC	£2.64
IP-0850-08-10	1/2"	7/8" JIC	£2.98
IP-0850-12-12	3/4"	1 1/16" JIC	£6.72
IP-0850-16-16	1"	1 5/16" JIC	£8.93

### STRAIGHT 37° CONE JIC FEMALE

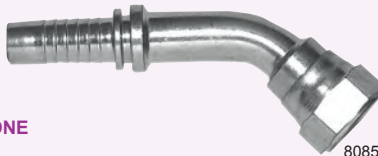


8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0901-04-04	1/4"	7/16" JIC	£1.49
IP-0901-04-06	1/4"	9/16" JIC	£1.79
IP-0901-06-06	3/8"	9/16" JIC	£1.79
IP-0901-06-08	3/8"	3/4" JIC	£2.51
IP-0901-08-08	1/2"	3/4" JIC	£2.55
IP-0901-08-10	1/2"	7/8" JIC	£2.89
IP-0901-12-12	3/4"	1 1/16" JIC	£4.93
IP-0901-16-16	1"	1 5/16" JIC	£8.08

New  
Additions

### 45° SWEPT 37° CONE JIC FEMALE



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-1001-04-04	1/4"	7/16" JIC	£3.66
IP-1001-04-06	1/4"	9/16" JIC	£3.91
IP-1001-06-06	3/8"	9/16" JIC	£3.91
IP-1001-06-08	3/8"	3/4" JIC	£4.76
IP-1001-08-08	1/2"	3/4" JIC	£5.70
IP-1001-08-10	1/2"	7/8" JIC	£6.33
IP-1001-12-12	3/4"	1 1/16" JIC	£9.73
IP-1001-16-16	1"	1 5/16" JIC	£17.64

### 90° SWEPT 37° CONE JIC FEMALE

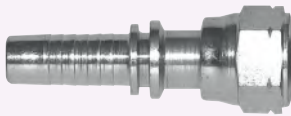


8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-0951-04-04	1/4"	7/16" JIC	£3.02
IP-0951-04-06	1/4"	9/16" JIC	£3.23
IP-0951-06-06	3/8"	9/16" JIC	£2.98
IP-0951-06-08	3/8"	3/4" JIC	£4.29
IP-0951-08-08	1/2"	3/4" JIC	£4.85
IP-0951-08-10	1/2"	7/8" JIC	£4.89
IP-0951-12-12	3/4"	1 1/16" JIC	£8.59
IP-0951-16-16	1"	1 5/16" JIC	£14.41

## ORFS FITTINGS

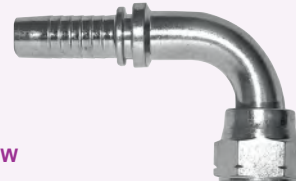
### STRAIGHT ORFS FEMALE



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-S050-04-06	1/4"	9/16" OFRS	£2.72
IP-S050-04-09	1/4"	11/16" OFRS	£2.42
IP-S050-06-09	3/8"	11/16" OFRS	£3.49
IP-S050-06-11	3/8"	13/16" OFRS	£4.76
IP-S050-08-11	1/2"	13/16" OFRS	£3.91
IP-S050-12-14	3/4"	1 3/16" OFRS	£8.50
IP-S050-16-15	1"	1 7/16" OFRS	£13.86

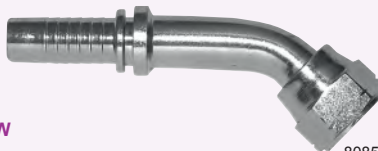
### 90° SWEPT ELBOW ORFS FEMALE



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-S150-04-06	1/4"	9/16" OFRS	£3.44
IP-S150-04-09	3/8"	11/16" OFRS	£4.76
IP-S150-08-11	1/2"	13/16" OFRS	£6.29
IP-S150-12-14	3/4"	1 3/16" OFRS	£13.01
IP-S150-16-15	1"	1 7/16" OFRS	£19.17

### 45° SWEPT ELBOW ORFS FEMALE



8085

PART NUMBER	HOSE ID	THREAD	PRICE
IP-S250-04-06	1/4"	9/16" OFRS	£3.91
IP-S250-06-09	3/8"	11/16" OFRS	£4.72
IP-S250-08-11	1/2"	13/16" OFRS	£6.63
IP-S250-12-14	3/4"	1 3/16" OFRS	£13.01
IP-S250-16-15	1"	1 7/16" OFRS	£20.23

## HYDRAULIC HOSE

### CONSTRUCTION

Synthetic rubber tube and cover  
1 x high tensile steel wire braid

### APPLICATIONS

- Hydraulic oils, both mineral and biological
- Polyglycol base oils, water-oil emulsions and water

### TEMPERATURE RANGE

Hydraulic oils: +40°C to +100°C (-40°F to +212°F)

### HOSE MARKING

Part number, specification, size and batch number

### HYDRAULIC HOSE 1 WIRE



8090

PART NUMBER	← mtrs →	ins	mm	bar	bar	PRICE per coil
PKR-1SN-1/4-100	100	1/4	14.1	225	900	£422.19
PKR-1SN-3/8-100	100	3/8	18.1	180	720	£548.29
PKR-1SN-1/2-100	100	1/2	21.4	160	640	£630.54
PKR-1SN-1/2-50	50	1/2	21.4	160	640	£315.27

### CONSTRUCTION

Synthetic rubber tube and cover  
2 x high-tensile steel wire braids

### APPLICATIONS

- Hydraulic oils, both mineral and biological
- Polyglycol base oils, water-oil emulsions and water

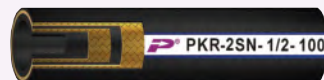
### TEMPERATURE RANGE

Hydraulic oils: +40°C to +100°C (-40°F to +212°F)

### HOSE MARKING

Part number, specification, size and batch number

### HYDRAULIC HOSE 2 WIRE



8090

PART NUMBER	← mtrs →	ins	mm	bar	bar	PRICE per coil
PKR-2SN-1/4-100	100	1/4	15.7	400	1600	£559.26
PKR-2SN-3/8-100	100	3/8	19.7	330	1320	£701.81
PKR-2SN-1/2-100	100	1/2	23.1	275	1100	£811.47
PKR-2SN-1/2-50	50	1/2	23.1	275	1100	£405.74
PKR-2SN-3/4-100	100	3/4	30.2	215	850	£1113.03
PKR-2SN-3/4-50	50	3/4	30.2	215	850	£586.67
PKR-2SN-1-30	30	1	38.9	165	650	£559.26

### CONSTRUCTION

Oil, weather and abrasion resistant synthetic rubber tube and cover  
4 x high tensile steel wire braids

### APPLICATIONS

- Petroleum based hydraulic fluids

### TEMPERATURE RANGE

-40°C to +100°C (-40°F to +212°F)

### HOSE MARKING

Part number, specification, size and batch number

### HYDRAULIC HOSE EN856-4SP 4 WIRE



8090

PART NUMBER	← mtrs →	ins	mm	bar	bar	PRICE per coil
PKR-4SP-3/4-30	30	3/4	32.2	350	1350	£710.59
PKR-4SP-1-30	30	1	39.7	280	1120	£907.97

### CONSTRUCTION

Oil, weather and abrasion resistant synthetic rubber  
2 x high tensile steel wire braid

### APPLICATIONS

- Petroleum based hydraulic fluids

### TEMPERATURE RANGE

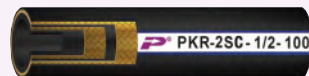
-40°C to +100°C (-40°F to +212°F)

### HOSE MARKING

Part number, specification, size and batch number

New

### HYDRAULIC HOSE 2 WIRE – COMPACT



8090

PART NUMBER	← mtrs →	ins	mm	bar	bar	PRICE per coil
PKR-2SC-1/4-100	100	1/4	13.20	400	1600	£520.88
PKR-2SC-3/8-100	100	3/8	17.01	330	1320	£679.88
PKR-2SC-1/2-100	100	1/2	20.57	276	1104	£827.92

### CONSTRUCTION

Synthetic rubber tube and cover, water, hot water, detergent solutions resistant

2 X high tensile wire braid

### APPLICATIONS

For medium pressure cleaning applications

### TEMPERATURE RANGE

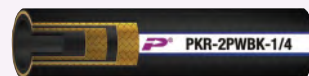
-40°C to +100°C (-40°F to +212°F)

### HOSE MARKING

Part number, specification, size and batch number

New

### PRESSURE WASHER HOSE 2 WIRE – BLACK



8090

PART NUMBER	← mtrs →	ins	mm	bar	bar	PRICE per coil
PKR-2PWBK-1/4-100	100	1/4	15.6	400	1200	£542.81
PKR-2PWBK-3/8-100	100	3/8	18.9	400	1200	£734.71

### 2 WIRE – BLUE

PKR-2PWBL-1/4-100	100	1/4	15.6	400	1200	£603.12
PKR-2PWBL-3/8-100	100	3/8	18.9	400	1200	£808.18

## BREAKER HOSE ASSEMBLIES

### CONSTRUCTION

Manufactured from high quality Parkair 1/2" EN853-2SN wire hydraulic hose.

### HOSE MARKING

Part number, specification, size and batch number.

### APPLICATIONS

For use on jackhammers and pneumatic road drills

### TEMPERATURE RANGE

Hydraulic oils: 40°C to 100°C (-40°F to +212°F)  
Occasional peaks up to 125°C (250°F)



8092



8092

### BREAKER HOSE ASSEMBLIES 2 WIRE, COMPLETE WITH ISO16028 FLAT FACED COUPLINGS

PART NUMBER	Length (mtrs)	Size (ins)	Pressure (bar)	Flow (bar)	PRICE per coil
TPD1252	6	1/2"	275	1100	£227.58
TPD1248	9	1/2"	275	1100	£284.74

### BREAKER HOSE ASSEMBLIES 2 WIRE, COMPLETE WITH 1/2" BSP MALE INSERTS

PART NUMBER	Length (mtrs)	Size (ins)	Pressure (bar)	Flow (bar)	PRICE per coil
TPD1253	6	1/2"	275	1100	£156.82
TPD1249	9	1/2"	275	1100	£213.97

## HIGH PRESSURE BALL VALVES



### DESCRIPTION

2-way, side mounted high pressure ball valves

### SPECIFICATIONS

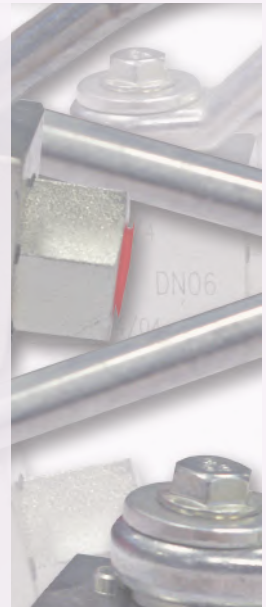
Working pressure 1/4" to 1/2" – 500 bar, 3/4" to 1 1/2" – 315 bar  
Temperature range -20°C to +120°C (-4°F to +248°F)

### MATERIALS

Block and connection: Carbon steel  
Ball and stem: Carbon steel  
Ball seat: PTFE  
Connection and stem seal: NBR

### APPLICATIONS

- Hydraulics, particularly in construction
- Agricultural
- Water engineering
- Mining
- Paint industries



2235

### HBV SERIES 2-WAY CARBON STEEL

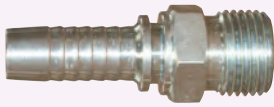
PART NUMBER	BODY SIZE	THREAD	PRESSURE	PRICE
B/VHBV-WM-G04	1/4"	1/4" BSPP	500 bar	£16.11
B/VHBV-WM-G06	3/8"	3/8" BSPP	500 bar	£20.19
B/VHBV-WM-G08	1/2"	1/2" BSPP	500 bar	£21.15
B/VHBV-WM-G12	3/4"	3/4" BSPP	315 bar	£38.47
B/VHBV-WM-G16	1"	1" BSPP	315 bar	£58.00
B/VHBV-WM-G20	1"	1 1/4" BSPP	315 bar	£71.72
B/VHBV-WM-G24	1"	1 1/2" BSPP	315 bar	£84.85

For Hydraulic  
Needle Valves,  
see page  
252.





## HYDRAULIC FITTINGS



**BSPP MALE INSERT**

8095

PART NUMBER	HOSE ID	THREAD	PRICE
PKRI-12611-04-04	1/4"	1/4" BSPP	£1.46
PKRI-12611-06-06	3/8"	3/8" BSPP	£1.74
PKRI-12611-08-08	1/2"	1/2" BSPP	£1.83
PKRI-12611-12-12	3/4"	3/4" BSPP	£3.53
PKRI-12611-16-16	1"	1" BSPP	£6.44



**CONED STRAIGHT FEMALE INSERT**

8095

PART NUMBER	HOSE ID	THREAD	PRICE
PKRI-22611-04-04	1/4"	1/4" BSPP	£1.44
PKRI-22611-06-06	3/8"	3/8" BSPP	£1.60
PKRI-22611-08-08	1/2"	1/2" BSPP	£2.37
PKRI-22611-12-12	3/4"	3/4" BSPP	£3.78
PKRI-22611-16-16	1"	1" BSPP	£6.22



**SWIVEL FEMALE SWEPT 45° ELBOW**

8095

PART NUMBER	HOSE ID	THREAD	PRICE
PKRI-22641-04-04	1/4"	1/4" BSPP	£2.07
PKRI-22641-06-06	3/8"	3/8" BSPP	£2.49
PKRI-22641-08-08	1/2"	1/2" BSPP	£3.76
PKRI-22641-12-12	3/4"	3/4" BSPP	£6.40
PKRI-22641-16-16	1"	1" BSPP	£11.05



**SWIVEL FEMALE SWEPT 90° ELBOW**

8095

PART NUMBER	HOSE ID	THREAD	PRICE
PKRI-22691-04-04	1/4"	1/4" BSPP	£2.07
PKRI-22691-06-06	3/8"	3/8" BSPP	£2.49
PKRI-22691-08-08	1/2"	1/2" BSPP	£3.77
PKRI-22691-12-12	3/4"	3/4" BSPP	£6.40
PKRI-22691-16-16	1"	1" BSPP	£11.05



**HYDRAULIC STEEL FERRULE R1AT 1 WIRE**

8095

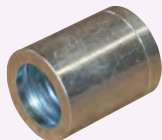
PART NUMBER	HOSE ID	PRICE
PKRI-00110-04	1/4"	£0.67
PKRI-00110-06	3/8"	£0.81
PKRI-00110-08	1/2"	£1.02



**HYDRAULIC STEEL FERRULE R2AT 2 WIRE**

8095

PART NUMBER	HOSE ID	PRICE
PKRI-00210-04	1/4"	£0.75
PKRI-00210-06	3/8"	£0.87
PKRI-00210-08	1/2"	£1.04
PKRI-00210-12	3/4"	£1.78
PKRI-00210-16	1"	£3.41



**HYDRAULIC STEEL FERRULE UNIVERSAL**

8095

PART NUMBER	HOSE ID	PRICE
PKRI-03310-04	1/4"	£0.99
PKRI-03310-06	3/8"	£1.09
PKRI-03310-08	1/2"	£1.28
PKRI-03310-12	3/4"	£2.28
PKRI-03310-16	1"	£4.14

## PAINT SPRAY HOSE

### FEATURES

High pressure airless paint spray system for up to 470 bar. Suitable for applications requiring chemical resistance to solvents and aggressive fluids.

### SPECIFICATIONS

Application standards	Exitflex QD-M, DIN 8028
Temperature standards	-40°C to +100°C (Not to exceed +70°C for air and water based fluids)
Materials	Inner tube: Polyamide Reinforcement: 1 braid of steel wire Cover: Blue colour, optional pin pricked polyurethane



### PA 1 WIRE PAINT SPRAY HOSE

8030

PART NUMBER	ins	ins	bar	bar	PRICE per mtr
EX-PA12	1/8	0.276	350	1400	£4.50
EX-PA13	3/16	0.382	350	1400	£3.40
EX-PA14	1/4	0.461	325	1300	£3.55
EX-PA16	3/8	0.598	250	1000	£5.20
EX-PA18	1/2	0.724	200	800	£8.40

### FEATURES

High pressure airless paint spray system up to 600 bar. Suitable for applications requiring chemical resistance to solvents and aggressive fluids.

### SPECIFICATIONS

Application Standards	Exitflex QD-M, DIN 8028
Temperature standards	-40°C to +100°C (Not to exceed +70°C for air and water based fluids)
Materials	Inner tube: Polyamide Reinforcement: 1 braid of steel wire Cover: Blue colour, optional pin pricked polyurethane



### PA 2 WIRE PAINT SPRAY HOSE

8030

PART NUMBER	ins	ins	bar	bar	PRICE per mtr
EX-PA24	1/4	0.543	475	1900	£6.00
EX-PA26	3/8	0.689	450	1800	£8.60
EX-PA28	1/2	0.846	350	1400	£12.50
EX-PA212	3/4	1.181	275	1100	£23.30

## PAINT SPRAY HOSE ASSEMBLIES

### FEATURES

SPR230 is designed for electric / petrol powered airless spray machines.

- Maximum working pressure: 230 bar
- Minimum burst pressure: 920 bar
- Date and traceability marked



### SPR230

#### NPS FEMALE (PARALLEL)

8035

PART NUMBER	ins	SPRING GUARDS	[-mtrs-]	BSPF	PRICE per coil
EX-SPR230-41500N4SG2	1/4	2	15	1/4	£48.13
EX-SPR230-61500N6SG2	3/8	2	15	3/8	£82.50

### FEATURES

The SPR300 range is designed for standard pneumatic airless (up to 50:1) spray applications.

- Maximum working pressure: 300 bar
- Minimum burst pressure: 920 bar
- Date and traceability marked



### SPR300

#### NPS FEMALE (PARALLEL)

8035

PART NUMBER	ins	SPRING GUARDS	[-mtrs-]	BSPF	PRICE per coil
EX-SPR300-40750N4SG1	1/4	1	7.5	1/4	£30.75
EX-SPR300-41500N4SG1	1/4	1	15	1/4	£53.75
EX-SPR300-61500N6SG1	3/8	1	15	3/8	£89.38

### FEATURES

SPR400 range is designed for industrial duty pneumatic airless (up to 63:1) spray applications.

- Maximum working pressure: 400 bar
- Minimum burst pressure: 1600 bar
- Date and traceability marked



### SPR400

#### NPS FEMALE (PARALLEL)

8035

PART NUMBER	ins	SPRING GUARDS	[-mtrs-]	BSPF	PRICE per coil
EX-SPR400-41500N4SG1	1/4	1	15	1/4	£77.48
EX-SPR400-61500N6SG1	3/8	1	15	3/8	£103.13
EX-SPR400-63000N6SG1	3/8	1	30	3/8	£170.00

### FEATURES

The SPR500 range is designed for high pressure airless (up to 73:1) spray applications.

- Maximum working pressure: 500 bar
- Minimum burst pressure: 2000 bar
- Date and traceability marked



### SPR500

#### NPS FEMALE (PARALLEL)

8035

PART NUMBER	ins	SPRING GUARDS	[-mtrs-]	BSPF	PRICE per coil
EX-SPR500-40750N4	1/4	0	7.5	1/4	£64.63
EX-SPR500-41500N4	1/4	0	15	1/4	£102.50
EX-SPR500-6-1500N6	3/8	0	15	3/8	£266.08
EX-SPR500-8-1500N8	1/2	0	15	1/2	£372.50

## EXITFLEX FITTINGS AND ACCESSORIES

### HP SWIVEL

#### FEATURES

- 8000 psi maximum working pressure with a 4:1 safety factor
- Swivel function is guaranteed at all operating pressures from 1-8000 psi
- Unique spring seal displays superiority over traditional methods.
- Superior low friction swivel action
- Five piece construction, precision manufactured using 303 stainless steel
- Single PTFE washer
- One spring seal manufactured from Ultra High Molecular Weight Polyethylene (UHMWP)
- Weighs only 51 g



8040

#### STAINLESS STEEL MALE X FEMALE

PART NUMBER	MALE	FEMALE	PRICE
EX-79-20130	1/4" NPT	1/4" NPS	£59.15

### FERRULES



8040

#### HIGH PRESSURE SWAGE FERRULE

PART NUMBER	DESCRIPTION	NOMINAL SWAGE DIAMETER	PRICE
EX-75-800/51	1/8" for EX-PA12	9.0 mm	£3.03
EX-75-805/51	3/16" for EX-PA13	12.0 mm	£3.03
EX-75-811/51	1/4" for EX-PA14	15.0 mm	£3.03
EX-75-812/51	1/4" for EX-PA24	16.5 mm	£3.03
EX-75-820/51	3/8" for EX-PA16	18.5 mm	£3.38
EX-75-826/51	3/8" for EX-PA26	21.5 mm	£4.13
EX-75-830/51	1/2" for EX-PA18	21.8 mm	£3.38
EX-75-835/51	1/2" for EX-PA28	25.3 mm	£4.54
EX-75-848/51	3/4" for EX-PA212	35.2 mm	£14.38

## POLYHOSE SEWER JETTING HOSE

#### FEATURES

- Standard sewer cleaning vehicles and cleaning equipment
- Special construction for optimum cut and wear resistance
- Bonded tube and cover
- Available in long lengths with a microbiological degradation resistant cover
- Lightweight compared to conventional rubber alternatives with an increased lifespan

#### SPECIFICATIONS

Working pressure	175 bar
Minimum burst pressure	438 bar
Temperature range	-40°C to +60°C
Applicable standard	Polyhose proprietary product
Materials	Core: Thermoplastic Elastomer Reinforcement: 1 or 2 braids of synthetic fibre Cover: Orange polyurethane



EF301

8040

PART NUMBER	ins	ins	mtrs	PRICE
EX-EF301-2050MB20MF	1 1/4	1.8	50	£1125.00
EX-EF301-20100MB20MF	1 1/4	1.8	100	£2235.00
EX-EF301-20120MB20MF	1 1/4	1.8	120	£2512.50

#### FEATURES

- Standard sewer cleaning vehicles and cleaning equipment
- Special construction for optimum cut and wear resistance
- Bonded tube and cover
- Available in long lengths with a microbiological degradation resistant cover
- Lightweight compared to conventional rubber alternatives with an increased lifespan

#### SPECIFICATIONS

Working pressure	193 bar
Minimum burst pressure	483 bar
Temperature range	-40°C to +60°C
Applicable standard	Polyhose proprietary product
Materials	Core: Thermoplastic Elastomer Reinforcement: 1 or 2 braids of synthetic fibre Cover: Yellow polyurethane



EF305

8040

PART NUMBER	ins	ins	mtrs	PRICE
EX-EF305Y-850MB8MF	1/2	0.810	50	£388.75
EX-EF305Y-8100MB8MF	1/2	0.810	100	£745.00
EX-EF305Y-1250MB12MF	3/4	1.150	50	£510.00
EX-EF305Y-12100MB12MF	3/4	1.150	100	£1005.00
EX-EF305Y-12120MB12MF	3/4	1.150	120	£1125.00
EX-EF305Y-1650MB16MF	1	1.450	50	£705.00
EX-EF305Y-16100MB16MF	1	1.450	100	£1320.00
EX-EF305Y-16120MB16MF	1	1.450	120	£1420.00

## DESCRIPTION

Gates' couplings are no-skive, which means that assemblies are not exposed to the risk of contamination that comes with their skived counterparts. No-skive assemblies also resist moisture better than skived and as MegaCrimp's advanced tooth profile bites-the-wire without relying on compression of the hose's outer cover, it offers the most secure, leak-free assembly that money can buy. Additionally, the revolutionary patented MegaCrimp C-insert not only ensures that an optimum cylindrical crimping force is applied, it increases assembly lifetime, which gives you better flow and improved pressure and temperature resistance.

Gates' compact hoses are designed to offer improved routing and deliver their superior performance at incredibly tight bend radii and are manufactured to require minimal bending force.

## MEGACRIMP STAYS INSERTED

Once inserted, MegaCrimp™ stays inserted. It won't fall out during the crimping process. The advanced design of the MegaCrimp™ tooth profile, shown on the right, "bites the wire" for better coupling retention, unlike the competitive crimp shown below on the right, which relies on the compression of the rubber.

## GATES' GLOBAL SPIRAL COUPLING

The GlobalSpiral (GS) hydraulic coupling, from Gates, does not require hose skiving, thereby reducing assembly time, labour, fabrication errors, and contamination of the fluid power system. The GlobalSpiral coupling is a two-piece configuration. This reduces assembly error because, by pulling the ferrule away from the hose end, it is easier to see when the stem is fully and securely inserted into the hose.



For Megacrimp™ fittings, see pages 242 – 245.

## MXT™ HOSE – FOR USE WITH MEGACRIMP COUPLINGS

### CONSTRUCTION

- Black, oil resistant, synthetic rubber tube
- Black, abrasion resistant, synthetic rubber tube cover. MSHA approved
- Braided high tensile steel wire reinforcement

### FEATURES / BENEFITS

- Meets EN 853 2SN and EN 857 2SC performance
- Superior flex impulse performance
- Lower force-to-bend for faster, more ergonomic installation
- Lightweight

### SUITABILITY

- High pressure hydraulic applications
- Compatible with biodegradable hydraulic fluids, including synthetic esters, polyglycols and vegetable oils, as well as petroleum-based fluids

### TEMPERATURE RANGE

-40°C to +100°C



### HIGH PRESSURE HOSE

8052

PART NUMBER	ins	mm	bar	bar	PRICE per mtr
G2MXT04	1/4	14.5	400	1600	£17.81
G2MXT06	3/8	17.1	330	1320	£21.74
G2MXT08	1/2	20.2	275	1100	£25.51
G2MXT10	5/8	24.0	250	1000	£32.80
G2MXT12	3/4	27.4	215	860	£37.79
G2MXT16	1	35.1	165	660	£62.55

## TH7 HOSE – FOR USE WITH MEGACRIMP COUPLINGS

### CONSTRUCTION

- PA (Nylon) based tube
- 1/4" and 3/8" spiralled synthetic fibre, 1/2" one fibre braid
- PU based cover (Black TH7 is perforated for use in general hydraulic and pneumatic service)

### FEATURES / BENEFITS

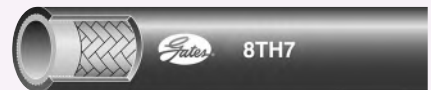
- Exceeds ISO3949 R7, EN 855 R7, SAE 100R7
- Very flexible
- Significantly tighter bend radius than standard SAE 100R7 hose

### SUITABILITY

- High pressure hydraulic applications
- Material handling equipment with mast & pulley systems

### TEMPERATURE RANGE

-53°C to +93°C. Max. +70°C for water, water/oil emulsions and water glycol



### THERMOPLASTIC HOSE

8052

PART NUMBER	ins	mm	bar	bar	PRICE per mtr
G24TH7	1/4	12.7	192	768	£15.27
G26TH7	3/8	16.4	158	632	£19.40
G28TH7	1/2	20.3	140	560	£34.88

## GP80+ HOSE – FOR USE WITH MEGACRIMP COUPLINGS

### CONSTRUCTION

- NBR (Nitrile) based tube
- One or two fibre braid reinforcement
- NBR / PVC based cover

### FEATURES / BENEFITS

- Static conductive for more security

### SUITABILITY

- General industrial applications
- Oils, alcohols, aqueous solutions, hydraulic fluids
- Acids, detergents, chemicals

### TEMPERATURE RANGE

-40°C to +100°C



### GENERAL PURPOSE

8052

PART NUMBER	ins	mm	bar	bar	PRICE per mtr
G2GP80-06MM	1/4	13.0	37	110	£13.88
G2GP80-08MM	5/16	15.0	37	110	£15.16
G2GP80-10MM	3/8	17.0	37	110	£17.15
G2GP80-13MM	1/2	20.5	37	110	£20.05
G2GP80-16MM	5/8	24.2	30	90	£27.36
G2GP80-19MM	3/4	29.0	30	90	£35.33
G2GP80-25MM	1	35.6	30	90	£47.32

## LOCK-ON PLUS HOSE – FOR USE WITH LOCK-ON PLUS REUSABLE COUPLINGS

### CONSTRUCTION

- NBR (Nitrile) based tube
- One fibre braid reinforcement

### SUITABILITY

- Petroleum based hydraulic oils, antifreeze solutions, water, air
- Low pressure cleaning and pneumatic systems and low pressure lines

### TEMPERATURE RANGE

-40°C to +100°C constant and +121°C intermittent

### NOTE

Lock-On hose and couplings are not recommended for pressure surge applications or critical applications

Other colours available on request.



### 1 FIBRE BLUE

8052

PART NUMBER	ins	mm	bar	bar	PRICE per mtr
G2LOLB-04	1/4	11.9	21	84	£14.19
G2LOLB-06	3/8	15.9	21	84	£15.20
G2LOLB-08	1/2	19.6	21	84	£15.92
G2LOLB-10	5/8	23.9	21	84	£24.08
G2LOLB-12	3/4	26.9	21	84	£28.92

## EFG6K HOSE – FOR USE WITH GLOBAL SPIRAL COUPLINGS

### CONSTRUCTION

- NBR (Nitrile) based tube
- Four alternating layers of spiralled, high tensile steel wire reinforcement
- CR (Chloroprene) based cover

### FEATURES / BENEFITS

- Exceeds ISO3862 R15 & SAE 100R15 standards
- Extremely flexible
- Superior flex impulse performance: tested to 1,000,000 impulse cycles at 50% of SAE 100R15 bend radii

### SUITABILITY

- Extremely high pressure and high impulse applications
- Compatible with biodegradable hydraulic fluids, including synthetic esters, polyglycols and vegetable oils, as well as petroleum based fluids

### TEMPERATURE RANGE

-40°C to +121°C



### HIGH PRESSURE HOSE

8052

PART NUMBER	ins	mm	bar	bar	PRICE per mtr
G20EFG6K	3/8	20.2	420	1680	£59.22
G208EFG6K	1/2	24.0	420	1680	£64.27
G210EFG6K	5/8	27.6	420	1680	£73.46
G212EFG6K	3/4	31.4	420	1680	£82.62
G216EFG6K	1	38.7	420	1680	£108.70

Global spiral couplings available.  
Please contact your supplier for further details.

## MEGACRIMP™ HYDRAULIC FITTINGS

### BSPP FITTINGS

#### STRAIGHT BSPP PARALLEL MALE



8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04MBSP	1/4"	1/4" BSPP	£9.70
G304G06MBSP	1/4"	3/8" BSPP	£10.62
G304G08MBSP	1/4"	1/2" BSPP	£14.17
G306G06MBSP	3/8"	3/8" BSPP	£8.43
G306G08MBSP	3/8"	1/2" BSPP	£11.99
G308G06MBSP	1/2"	3/8" BSPP	£15.43
G308G08MBSP	1/2"	1/2" BSPP	£10.61
G312G12MBSP	3/4"	3/4" BSPP	£21.39
G316G16MBSP	1"	1" BSPP	£32.98
G320G20MBSP	1 1/4"	1 1/4" BSPP	£113.24

#### SWIVEL STRAIGHT BSPP FEMALE WITH O-RING SEAL



8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04FBSP	1/4"	1/4" BSPP	£7.31
G304G06FBSP	1/4"	3/8" BSPP	£7.31
G306G06FBSP	3/8"	3/8" BSPP	£7.79
G306G08FBSP	3/8"	1/2" BSPP	£8.44
G308G08FBSP	1/2"	1/2" BSPP	£10.56
G310G10FBSP	5/8"	5/8" BSPP	£14.03
G310G12FBSP	5/8"	3/4" BSPP	£17.43
G312G12FBSP	3/4"	3/4" BSPP	£18.31
G316G16FBSP	1"	1" BSPP	£28.09
G320G20FBSP	1 1/4"	1 1/4" BSPP	£83.28

#### 90° SWIVEL BLOCK ELBOW BSPP FEMALE WITH O-RING SEAL



8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04FB9B	1/4"	1/4" BSPP	£14.22
G306G06FB9B	3/8"	3/8" BSPP	£17.25
G308G08FB9B	1/2"	1/2" BSPP	£21.48
G312G12FB9B	3/4"	3/4" BSPP	£34.54
G316G16FB9B	1"	1" BSPP	£49.60

Other configurations and sizes also available.  
Please contact your supplier for further details.

**BSPB FITTINGS**
**90° SWEPT ELBOW  
BSPB FEMALE SWIVEL  
WITH O-RING SEAL**


8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04FBS9	1/4"	1/4" BSPB	£12.48
G304G06FBS9	1/4"	3/8" BSPB	£13.77
G306G06FBS9	3/8"	3/8" BSPB	£13.60
G308G08FBS9	1/2"	1/2" BSPB	£16.47
G310G10FBS9	5/8"	5/8" BSPB	£23.59
G312G12FBS9	3/4"	3/4" BSPB	£28.75
G316G16FBS9	1"	1" BSPB	£47.55
G320G20FBS9	1 1/4"	1 1/4" BSPB	£101.41

**45° SWEPT ELBOW  
BSPB FEMALE SWIVEL  
WITH O-RING SEAL**


8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04FBS4	1/4"	1/4" BSPB	£14.20
G306G06FBS4	3/8"	3/8" BSPB	£13.98
G308G08FBS4	1/2"	1/2" BSPB	£16.95
G312G12FBS4	3/4"	3/4" BSPB	£28.71
G316G16FBS4	1"	1" BSPB	£47.55
G320G20FBS4	1 1/4"	1 1/4" BSPB	£101.81

**JIC FITTINGS**
**STRAIGHT  
JIC MALE**


8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04MJ	1/4"	7/16" JIC	£8.08
G306G06MJ	3/8"	9/16" JIC	£8.34
G306G08MJ	3/8"	3/4" JIC	£9.90
G308G08MJ	1/2"	3/4" JIC	£10.75
G310G10MJ	5/8"	7/8" JIC	£16.73
G312G12MJ	3/4"	1 1/16" JIC	£18.75
G316G16MJ	1"	1 5/16" JIC	£27.35

**SWIVEL STRAIGHT  
JIC FEMALE**

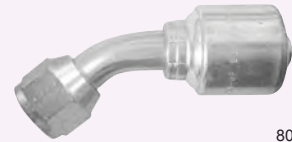

8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04FJX	1/4"	7/16" JIC	£7.40
G304G06FJX	1/4"	9/16" JIC	£8.97
G306G06FJX	3/8"	9/16" JIC	£7.62
G306G08FJX	3/8"	3/4" JIC	£10.43
G308G08FJX	1/2"	3/4" JIC	£10.31
G310G10FJX	5/8"	7/8" JIC	£14.38
G312G12FJX	3/4"	1 1/16" JIC	£18.42
G316G16FJX	1"	1 5/16" JIC	£25.14

**90° SWEPT ELBOW  
MEDIUM DROP  
JIC SWIVEL FEMALE**


8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04FJX9	1/4"	7/16" JIC	£16.07
G304G06FJX9	1/4"	9/16" JIC	£18.21
G306G06FJX9	3/8"	9/16" JIC	£13.88
G306G08FJX9	3/8"	3/4" JIC	£17.21
G308G08FJX9	1/2"	3/4" JIC	£16.43
G308G10FJX9	1/2"	7/8" JIC	£25.25
G310G10FJX9	5/8"	7/8" JIC	£22.75
G310G12FJX9	5/8"	1 1/16" JIC	£31.34
G312G12FJX9	3/4"	1 1/16" JIC	£29.55
G316G16FJX9	1"	1 5/16" JIC	£49.56

**45° SWEPT ELBOW  
JIC FEMALE SWIVEL  
WITH O-RING SEAL**


8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04FJX4	1/4"	7/16" JIC	£16.07
G304G06FJX4	1/4"	9/16" JIC	£13.75
G306G06FJX4	3/8"	9/16" JIC	£13.51
G308G08FJX4	1/2"	3/4" JIC	£17.63
G308G10FJX4	1/2"	7/8" JIC	£22.11
G310G10FJX4	5/8"	7/8" JIC	£20.23
G312G12FJX4	3/4"	1 1/16" JIC	£30.37
G316G16FJX4	1"	1 5/16" JIC	£49.71

**SAE FLAT-FACED O-RING SWIVEL FITTINGS**
**STRAIGHT FLAT FACED  
FEMALE SAE FLAT FACED  
O-RING SWIVEL**


8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04FFOR	1/4"	9/16" – 18 UNF	£10.48
G306G06FFOR	3/8"	11/16" – 16 UN	£12.82
G306G08FFOR	3/8"	13/16" – 16 UN	£14.49
G308G08FFOR	1/2"	13/16" – 16 UN	£15.11
G310G10FFOR	5/8"	1" – 14 UNS	£19.20
G312G12FFOR	3/4"	1 3/16" – 12 UN	£28.35
G316G16FFOR	1"	1 7/16" – 12 UN	£41.71

**90° SWEEP ELBOW FLAT FACED  
FEMALE SAE FLAT FACED  
O-RING SWIVEL**


8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04FFO9	1/4"	9/16" – 18 UNF	£13.61
G306G06FFO9	3/8"	11/16" – 16 UN	£17.06
G306G08FFO9	3/8"	13/16" – 16 UN	£21.20
G308G08FFO9	1/2"	13/16" – 16 UN	£20.01
G310G10FFO9	5/8"	1" – 14 UNS	£36.14
G312G12FFO9	3/4"	1 3/16" – 12 UN	£36.09

**45° SWEEP ELBOW  
FEMALE SAE FLAT FACED  
O-RING SWIVEL**


8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304G04FFO4	1/4"	9/16" – 18 UNF	£15.43
G306G06FFO4	3/8"	11/16" – 16 UN	£17.05
G308G08FFO4	1/2"	13/16" – 16 UN	£21.42
G310G10FFO4	5/8"	1" – 14 UNS	£36.54
G312G12FFO4	3/4"	1 3/16" – 12 UN	£35.44
G316G16FFO4	1"	1 7/16" – 12 UN	£54.05

**DIN O-RING SWIVEL FITTINGS – LIGHT SERIES**
**STRAIGHT – 24° CONE  
METRIC FEMALE**


8050

PART NUMBER	DIN	HOSE ID	THREAD	PRICE
G304G06FDL	6	1/4"	M12 x 1.5	£13.74
G304G08FDL	6	1/4"	M14 x 1.5	£7.57
G304G10FDL	6	1/4"	M16 x 1.5	£8.82
G306G10FDL	10	3/8"	M16 x 1.5	£10.53
G306G12FDL	10	3/8"	M18 x 1.5	£8.32
G308G15FDL	12	1/2"	M22 x 1.5	£10.90
G310G18FDL	16	5/8"	M26 x 1.5	£15.99
G312G22FDL	20	3/4"	M30 x 2.0	£23.22
G316G28FDL	25	1"	M36 x 2.0	£36.91

**STRAIGHT – 24° INVERTED CONE  
METRIC PARALLEL MALE**


8050

PART NUMBER	DIN	HOSE ID	THREAD	PRICE
G304G06MDL	6	1/4"	M12 x 1.5	£10.65
G304G08MDL	6	1/4"	M14 x 1.5	£11.99
G304G10MDL	6	1/4"	M16 x 1.5	£15.66
G306G10MDL	10	3/8"	M16 x 1.5	£10.70
G306G12MDL	10	3/8"	M18 x 1.5	£10.62
G308G15MDL	12	1/2"	M22 x 1.5	£11.53
G312G22MDL	20	3/4"	M30 x 2.0	£22.39
G316G28MDL	25	1"	M36 x 2.0	£35.74

**45° SWEEP ELBOW – 24° CONE  
METRIC FEMALE**


8050

PART NUMBER	DIN	HOSE ID	THREAD	PRICE
G304G06FDL4	6	1/4"	M12 x 1.5	£26.48
G304G08FDL4	6	1/4"	M14 x 1.5	£14.22
G304G10FDL4	6	1/4"	M16 x 1.5	£18.41
G304G12FDL4	6	1/4"	M18 x 1.5	£20.60
G306G10FDL4	10	3/8"	M16 x 1.5	£18.41
G306G12FDL4	10	3/8"	M18 x 1.5	£14.49
G308G15FDL4	12	1/2"	M22 x 1.5	£18.35
G310G18FDL4	16	5/8"	M26 x 1.5	£26.88
G312G22FDL4	20	3/4"	M30 x 2.0	£48.27
G316G28FDL4	25	1"	M36 x 2.0	£86.75

**90° SWEEP ELBOW – 24° CONE  
METRIC FEMALE**


8050

PART NUMBER	DIN	HOSE ID	THREAD	PRICE
G304G06FDL9	6	1/4"	M12 x 1.5	£22.33
G304G08FDL9	6	1/4"	M14 x 1.5	£14.22
G304G10FDL9	6	1/4"	M16 x 1.5	£16.37
G306G10FDL9	10	3/8"	M16 x 1.5	£19.12
G306G12FDL9	10	3/8"	M18 x 1.5	£15.57
G308G15FDL9	12	1/2"	M22 x 1.5	£19.50
G310G18FDL9	16	5/8"	M26 x 1.5	£26.09
G312G22FDL9	20	3/4"	M30 x 2.0	£34.22
G316G28FDL9	25	1"	M36 x 2.0	£68.79

## DIN O-RING SWIVEL FITTINGS – HEAVY SERIES

### STRAIGHT – 24° CONE METRIC FEMALE DIN O-RING SWIVEL



8050

PART NUMBER	DIN	HOSE ID	THREAD	PRICE
G304G06FDH	6	1/4"	M14 x 1.5	£11.82
G304G08FDH	6	1/4"	M16 x 1.5	£9.40
G304G10FDH	6	1/4"	M18 x 1.5	£10.06
G304G12FDH	6	1/4"	M20 x 1.5	£10.96
G306G10FDH	10	3/8"	M18 x 1.5	£14.84
G306G12FDH	10	3/8"	M20 x 1.5	£10.20
G306G14FDH	10	3/8"	M22 x 1.5	£12.11
G308G16FDH	12	1/2"	M24 x 1.5	£13.75
G310G20FDH	16	5/8"	M30 x 2.0	£20.55
G312G25FDH	20	3/4"	M36 x 2.0	£30.17
G316G30FDH	25	1"	M42 x 2.0	£47.36

### 45° SWEEP ELBOW – 24° CONE METRIC FEMALE DIN O-RING SWIVEL



8050

PART NUMBER	DIN	HOSE ID	THREAD	PRICE
G304G08FDH4	6	1/4"	M16 x 1.5	£19.61
G304G10FDH4	6	1/4"	M18 x 1.5	£17.95
G304G12FDH4	6	1/4"	M20 x 1.5	£15.30
G306G10FDH4	10	3/8"	M18 x 1.5	£28.33
G306G12FDH4	10	3/8"	M20 x 1.5	£17.05
G306G14FDH4	10	3/8"	M22 x 1.5	£46.64
G308G16FDH4	12	1/2"	M24 x 1.5	£23.22
G310G20FDH4	16	5/8"	M30 x 2.0	£38.99
G312G25FDH4	20	3/4"	M36 x 2.0	£63.58
G316G30FDH4	25	1"	M42 x 2.0	£90.26

### STRAIGHT – 24° INVERTED CONE METRIC PARALLEL MALE



8050

PART NUMBER	DIN	HOSE ID	THREAD	PRICE
G304G08MDH	6	1/4"	M16 x 1.5	£17.53
G304G10MDH	6	1/4"	M18 x 1.5	£19.63
G306G10MDH	10	3/8"	M18 x 1.5	£14.65
G306G12MDH	10	3/8"	M20 x 1.5	£11.16
G306G14MDH	10	3/8"	M22 x 1.5	£12.70
G308G16MDH	12	1/2"	M24 x 1.5	£14.84
G312G25MDH	20	3/4"	M36 x 2.0	£30.88
G316G30MDH	25	1"	M42 x 2.0	£47.37

### 90° SWEEP ELBOW – 24° CONE METRIC FEMALE DIN O-RING SWIVEL



8050

PART NUMBER	DIN	HOSE ID	THREAD	PRICE
G304G06FDH9	6	1/4"	M14 x 1.5	£18.76
G304G08FDH9	6	1/4"	M16 x 1.5	£16.05
G304G10FDH9	6	1/4"	M18 x 1.5	£15.84
G304G12FDH9	6	1/4"	M20 x 1.5	£15.30
G306G12FDH9	10	3/8"	M20 x 1.5	£17.05
G306G14FDH9	10	3/8"	M22 x 1.5	£29.62
G308G16FDH9	12	1/2"	M24 x 1.5	£23.22
G310G20FDH9	16	5/8"	M30 x 2.0	£34.66
G312G25FDH9	20	3/4"	M36 x 2.0	£48.18
G316G30FDH9	25	1"	M42 x 2.0	£85.33

## DIN POWERWASH SWIVEL FITTINGS

### STRAIGHT FEMALE POWERWASH SWIVEL



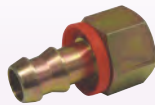
8050

PART NUMBER	DIN	HOSE ID	THREAD	PRICE
G306G15FPWX	10	3/8"	M22 x 1.5	£13.12

## LOCK-ON PLUS COUPLINGS

### BSPP FITTINGS

### STRAIGHT SWIVEL 60° CONE BSPP FEMALE



8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304GL04FB	1/4"	1/4" BSPP	£7.30
G306GL06FB	3/8"	3/8" BSPP	£6.17
G308GL08FB	1/2"	1/2" BSPP	£9.29
G312GL12FB	3/4"	3/4" BSPP	£21.31

### STRAIGHT 60° INVERTED CONE BSPP MALE



8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304GL04MB	1/4"	1/4" BSPP	£6.96
G306GL06MB	3/8"	3/8" BSPP	£10.53
G308GL08MB	1/2"	1/2" BSPP	£13.48
G312GL12MB	3/4"	3/4" BSPP	£22.43

### 90° SWEEP ELBOW SWIVEL 60° CONE BSPP FEMALE



8050

PART NUMBER	HOSE ID	THREAD	PRICE
G304GL4FB90	1/4"	1/4" BSPP	£19.54
G306GL6FB90	3/8"	3/8" BSPP	£20.87
G308GL8FB90	1/2"	1/2" BSPP	£25.14



## BSP FITTINGS

### STRAIGHT BSPP MALE



8060

PART NUMBER	HOSE ID	THREAD	PRICE
W-0404MU	1/4"	1/4" BSPP	£7.51
W-0606MU	3/8"	3/8" BSPP	£6.46
W-0808MU	1/2"	1/2" BSPP	£8.19
W-1010MU	5/8"	5/8" BSPP	£14.75
W-1212MU	3/4"	3/4" BSPP	£15.66

### STRAIGHT BSPP FEMALE



8060

PART NUMBER	HOSE ID	THREAD	PRICE
W-0404NU	1/4"	1/4" BSPP	£5.82
W-0606NU	3/8"	3/8" BSPP	£6.53
W-0808NU	1/2"	1/2" BSPP	£7.62
W-1010NU	5/8"	5/8" BSPP	£10.75
W-1212NU	3/4"	3/4" BSPP	£15.77

### 90° COMPACT ELBOW BSPP FEMALE



8060

PART NUMBER	HOSE ID	THREAD	PRICE
W-0404NU9C	1/4"	1/4" BSPP	£11.78
W-0606NU9C	3/8"	3/8" BSPP	£13.26
W-0808NU9C	1/2"	1/2" BSPP	£16.27
W-1212NU9C	3/4"	3/4" BSPP	£28.40

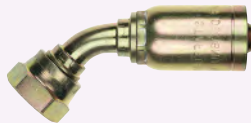
### 90° ELBOW BSPP FEMALE



8060

PART NUMBER	HOSE ID	THREAD	PRICE
W-0404NU9	1/4"	1/4" BSPP	£10.16
W-0606NU9	3/8"	3/8" BSPP	£12.04
W-0808NU9	1/2"	1/2" BSPP	£12.81
W-1010NU9	5/8"	5/8" BSPP	£18.49
W-1212NU9	3/4"	3/4" BSPP	£23.25

### 45° ELBOW BSPP FEMALE



8060

PART NUMBER	HOSE ID	THREAD	PRICE
W-0404NU4	1/4"	1/4" BSPP	£10.87
W-0606NU4	3/8"	3/8" BSPP	£10.69
W-0808NU4	1/2"	1/2" BSPP	£12.98
W-1212NU4	3/4"	3/4" BSPP	£23.67

## JIC FITTINGS

### STRAIGHT – 37° CONE JIC MALE



8060

PART NUMBER	HOSE ID	THREAD	PRICE
W-0404MJ	1/4"	7/16" JIC	£6.67
W-0606MJ	3/8"	9/16" JIC	£6.92
W-0808MJ	1/2"	3/4" JIC	£8.82
W-1212MJ	3/4"	1 1/16" JIC	£15.49

### STRAIGHT – 37° CONE JIC FEMALE



8060

PART NUMBER	HOSE ID	THREAD	PRICE
W-0404FJ	1/4"	7/16" JIC	£6.07
W-0406FJ	1/4"	9/16" JIC	£7.44
W-0606FJ	3/8"	9/16" JIC	£6.28
W-0608FJ	3/8"	3/4" JIC	£8.61
W-0808FJ	1/2"	3/4" JIC	£8.50
W-0810FJ	1/2"	7/8" JIC	£11.85
W-1212FJ	3/4"	1 1/16" JIC	£15.14

### 90° COMPACT ELBOW 37° CONE JIC FEMALE



8060

PART NUMBER	HOSE ID	THREAD	PRICE
W-0404FJ9C	1/4"	7/16" JIC	£9.14
W-0606FJ9C	3/8"	9/16" JIC	£13.58
W-0808FJ9C	1/2"	3/4" JIC	£16.34
W-1212FJ9C	3/4"	1 1/16" JIC	£28.68

### 90° ELBOW – 37° CONE JIC FEMALE



8060

PART NUMBER	HOSE ID	THREAD	PRICE
W-0404FJ9	1/4"	7/16" JIC	£12.71
W-0606FJ9	3/8"	9/16" JIC	£12.04
W-0808FJ9	1/2"	3/4" JIC	£14.26
W-1212FJ9	3/4"	1 1/16" JIC	£25.56

### 45° ELBOW – 37° CONE JIC FEMALE

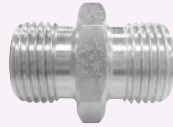


8060

PART NUMBER	HOSE ID	THREAD	PRICE
W-0404FJ4	1/4"	7/16" JIC	£11.32
W-0606FJ4	3/8"	9/16" JIC	£10.69
W-0808FJ4	1/2"	3/4" JIC	£13.97
W-1212FJ4	3/4"	1 1/16" JIC	£23.67

### SPECIFICATIONS

Temperature range	-30°C to +100°C
Materials	Steel
Working pressure	500 bar



**STRAIGHT ADAPTOR  
BSPB MALE 60° CONE**

8005

PART NUMBER	THREAD	THREAD	PRICE
PKR-1B/02	1/8" BSPP	1/8" BSPP	£0.78
PKR-1B/02-04	1/8" BSPP	1/4" BSPP	£1.07
PKR-1B/02-06	1/8" BSPP	3/8" BSPP	£1.46
PKR-1B/04	1/4" BSPP	1/4" BSPP	£1.07
PKR-1B/04-06	1/4" BSPP	3/8" BSPP	£1.46
PKR-1B/04-08	1/4" BSPP	1/2" BSPP	£2.34
PKR-1B/06	3/8" BSPP	3/8" BSPP	£1.46
PKR-1B/06-08	3/8" BSPP	1/2" BSPP	£2.90
PKR-1B/08	1/2" BSPP	1/2" BSPP	£2.34
PKR-1B/08-10	1/2" BSPP	5/8" BSPP	£2.78
PKR-1B/08-12	1/2" BSPP	3/4" BSPP	£3.51
PKR-1B/12	3/4" BSPP	3/4" BSPP	£3.51
PKR-1B/12-16	3/4" BSPP	1" BSPP	£5.66
PKR-1B/16	1" BSPP	1" BSPP	£5.66



**STRAIGHT ADAPTOR  
BSPB MALE 60° CONE /  
BSPT MALE**

8005

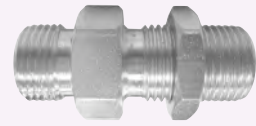
PART NUMBER	THREAD	THREAD	PRICE
PKR-1BT/02	1/8" BSPP	1/8" BSPT	£0.68
PKR-1BT/02-04	1/8" BSPP	1/4" BSPT	£0.78
PKR-1BT/04	1/4" BSPP	1/4" BSPT	£0.93
PKR-1BT/04-06	1/4" BSPP	3/8" BSPT	£1.12
PKR-1BT/06	3/8" BSPP	3/8" BSPT	£1.07
PKR-1BT/06-08	3/8" BSPP	1/2" BSPT	£1.95
PKR-1BT/08-06	1/2" BSPP	3/8" BSPT	£1.95
PKR-1BT/08	1/2" BSPP	1/2" BSPT	£1.85
PKR-1BT/12-08	3/4" BSPP	1/2" BSPT	£2.93
PKR-1BT/12	3/4" BSPP	3/4" BSPT	£2.78
PKR-1BT/16	1" BSPP	1" BSPT	£4.34



**STRAIGHT ADAPTOR  
BSPB MALE 60° CONE  
/ JIC MALE 74° CONE**

8005

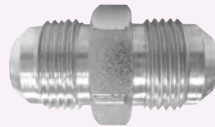
PART NUMBER	THREAD	THREAD	PRICE
PKR-1BJ/04	1/4" BSPP	7/16" JIC	£1.17
PKR-1BJ/04-06	1/4" BSPP	9/16" JIC	£1.32
PKR-1BJ/06	3/8" BSPP	9/16" JIC	£2.09
PKR-1BJ/08	1/2" BSPP	3/4" JIC	£3.32
PKR-1BJ/08-10	1/2" BSPP	7/8" JIC	£3.73
PKR-1BJ/12	3/4" BSPP	1 1/16" JIC	£3.90
PKR-1BJ/16	1" BSPP	1 5/16" JIC	£7.80



**STRAIGHT ADAPTOR  
WITH LOCKNUT  
BSPB MALE 60° CONE /  
BSPB MALE BULKHEAD**

8005

PART NUMBER	THREAD	PRICE
PKR-6B/04	1/4" BSPP	£2.79
PKR-6B/06	3/8" BSPP	£3.55
PKR-6B/08	1/2" BSPP	£5.01
PKR-6B/12	3/4" BSPP	£8.47
PKR-6B/16	1" BSPP	£11.79



**STRAIGHT ADAPTOR  
JIC MALE 74° CONE**

8005

PART NUMBER	THREAD	PRICE
PKR-1J/04	7/16" JIC	£0.73
PKR-1J/06	9/16" JIC	£0.93
PKR-1J/08	3/4" JIC	£1.71
PKR-1J/12	1 1/16" JIC	£3.12
PKR-1J/16	1 5/16" JIC	£4.34



**STRAIGHT ADAPTOR  
NPTF MALE**

8005

PART NUMBER	THREAD	PRICE
PKR-1N/02	1/8" NPTF	£0.68
PKR-1N/04	1/4" NPTF	£0.88
PKR-1N/06	3/8" NPTF	£1.07
PKR-1N/08	1/2" NPTF	£1.85
PKR-1N/12	3/4" NPTF	£4.08
PKR-1N/16	1" NPTF	£4.10



**STRAIGHT ADAPTOR  
BSPB FIXED FEMALE**

8005

PART NUMBER	THREAD	PRICE
PKR-7B/04	1/4" BSPP	£2.04
PKR-7B/06	3/8" BSPP	£2.90
PKR-7B/08	1/2" BSPP	£2.18
PKR-7B/12	3/4" BSPP	£5.47
PKR-7B/16	1" BSPP	£9.79



**STRAIGHT ADAPTOR  
BSPB MALE 60° CONE /  
NPTF MALE**

8005

PART NUMBER	THREAD	THREAD	PRICE
PKR-1BN/02	1/8" BSPP	1/8" NPTF	£0.78
PKR-1BN/04	1/4" BSPP	1/4" NPTF	£1.07
PKR-1BN/06	3/8" BSPP	3/8" NPTF	£1.46
PKR-1BN/08	1/2" BSPP	1/2" NPTF	£2.34
PKR-1BN/12	3/4" BSPP	3/4" NPTF	£3.51
PKR-1BN/16	1" BSPP	1" NPTF	£7.01

## HYDRAULIC ADAPTORS

**TEE**  
BSPP MALE 60° CONE



8005

PART NUMBER	MALE	PRICE
PKR-Z10B/02	1/8" BSPP	£2.34
PKR-Z10B/04	1/4" BSPP	£5.16
PKR-Z10B/06	3/8" BSPP	£6.05
PKR-Z10B/08	1/2" BSPP	£9.36
PKR-Z10B/12	3/4" BSPP	£16.91
PKR-Z10B/16	1" BSPP	£21.41

**TEE**  
BSPP SWIVEL FEMALE  
60° CONE



8005

PART NUMBER	FEMALE	PRICE
PKR-Z12B/04	1/4" BSPP	£5.07
PKR-Z12B/06	3/8" BSPP	£6.93
PKR-Z12B/08	1/2" BSPP	£10.30
PKR-Z12B/12	3/4" BSPP	£17.32
PKR-Z12B/16	1" BSPP	£25.27

**90° COMPACT ELBOW**  
BSPP MALE /  
BSPP FEMALE 60° CONE



8005

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
PKR-X11B/04	1/4" BSPP	1/4" BSPP	£2.59
PKR-X11B/06	3/8" BSPP	3/8" BSPP	£4.80
PKR-X11B/08	1/2" BSPP	1/2" BSPP	£6.42
PKR-X11B/12	3/4" BSPP	3/4" BSPP	£9.72
PKR-X11B/16	1" BSPP	1" BSPP	£12.99

**SOLID PLUG**  
JIC MALE 74° CONE



8005

PART NUMBER	MALE	PRICE
PKR-4J/04	7/16" JIC	£0.49
PKR-4J/06	9/16" JIC	£0.68
PKR-4J/08	3/4" JIC	£1.63
PKR-4J/12	1 1/16" JIC	£2.38
PKR-4J/16	1 5/16" JIC	£3.81

**PLUG**  
BSPP MALE 60° CONE



8005

PART NUMBER	MALE	PRICE
PKR-4B/02	1/8" BSPP	£0.81
PKR-4B/04	1/4" BSPP	£0.85
PKR-4B/06	3/8" BSPP	£1.09
PKR-4B/08	1/2" BSPP	£1.71
PKR-4B/12	3/4" BSPP	£2.64
PKR-4B/16	1" BSPP	£4.82

**BLANKING CAP**  
BSPP SWIVEL FEMALE  
60° CONE



8005

PART NUMBER	FEMALE	PRICE
PKR-CB/02	1/8" BSPP	£3.07
PKR-CB/04	1/4" BSPP	£2.80
PKR-CB/06	3/8" BSPP	£3.07
PKR-CB/08	1/2" BSPP	£3.29
PKR-CB/12	3/4" BSPP	£5.34
PKR-CB/16	1" BSPP	£8.05

## BONDED WASHERS

**BONDED WASHERS**  
IMPERIAL



7200

PART NUMBER	TO FIT MALE	INSIDE DIA	PRICE
D400 020 02	1/8" BSPP	10.37 mm	£0.40
D400 021 04	1/4" BSPP	13.74 mm	£0.40
D400 023 06	3/8" BSPP	17.28 mm	£0.40
D400 025 08	1/2" BSPP	21.54 mm	£0.61
D400 026 10	5/8" BSPP	23.49 mm	£1.05
D400 027 12	3/4" BSPP	27.05 mm	£0.71
D400 030 16	1" BSPP	33.89 mm	£1.80
D400 032 20	1 1/4" BSPP	42.93 mm	£2.00
D400 033 24	1 1/2" BSPP	48.44 mm	£2.75
D400 036 32	2" BSPP	60.58 mm	£3.68

**BONDED WASHERS**  
METRIC



7200

PART NUMBER	THREAD SIZE	PRICE
D400 002 02	4 mm	£0.69
D400 003 02	5 mm	£0.69
D400 004 02	6 mm	£0.64
D400 007 02	8 mm	£0.69
D400 008 02	10 mm	£0.63
D400 021 02	12 mm	£0.56
D400 009 02	14 mm	£0.61
D400 011 02	16 mm	£0.68
D400 012 02	18 mm	£0.76
D400 025 02	20 mm	£0.87
D400 028 02	22 mm	£0.98
D400 031 02	24 mm	£1.20
D400 035 02	26 mm	£1.71

## STEEL SWIVEL JOINTS

### FEATURES

Mounted between a hose assembly and a rigid component in order to allow and compensate for occasional rotations, preventing hose damage. The swivel joints in-line and 90° are not eligible for fast and continuous rotation but only for angular displacement.

### STRAIGHT SWIVEL JOINT



**STRAIGHT HYDRAULIC SWIVEL JOINT**  
MALE / FEMALE BSPP

8065

PART NUMBER	THREAD	MAX. PRESSUR	MAX. ROTATION PRESSURE	PRICE
D-GGL-1/4	1/4" BSPP	400 bar	200 bar	£50.84
D-GGL-3/8	3/8" BSPP	400 bar	200 bar	£54.53
D-GGL-1/2	1/2" BSPP	300 bar	150 bar	£63.68
D-GGL-3/4	3/4" BSPP	300 bar	150 bar	£107.92
D-GGL-1	1" BSPP	300 bar	100 bar	£128.00
D-GGL-11/4	1 1/4" BSPP	300 bar	100 bar	£208.79
D-GGL-11/2	1 1/2" BSPP	300 bar	80 bar	£317.88
D-GGL-2	2" BSPP	250 bar	50 bar	£554.86

### 90° SWIVEL JOINT



**90° HYDRAULIC SWIVEL JOINT**  
MALE / FEMALE BSPP

8065

PART NUMBER	THREAD	MAX. PRESSURE	MAX. ROTATION PRESSURE	PRICE
D-GG90-1/4	1/4" BSPP	400 bar	200 bar	£57.08
D-GG90-3/8	3/8" BSPP	400 bar	200 bar	£63.61
D-GG90-1/2	1/2" BSPP	300 bar	150 bar	£76.23
D-GG90-3/4	3/4" BSPP	300 bar	150 bar	£132.39
D-GG90-1	1" BSPP	300 bar	100 bar	£174.01
D-GG90-11/4	1 1/4" BSPP	300 bar	100 bar	£318.45
D-GG90-11/2	1 1/2" BSPP	300 bar	80 bar	£485.15
D-GG90-2	2" BSPP	250 bar	50 bar	£680.85

## 316 STAINLESS STEEL SWIVEL JOINTS

### FEATURES

- Connects two oil-hydraulic elements rotating with respect to the other, avoids twisting
- Rotation speed 5 – 10 rpm
- Different sizes available upon request

### STRAIGHT SWIVEL JOINT



**MALE / FEMALE**  
**SLOW SPEED**  
**316 STAINLESS STEEL**

914

PART NUMBER	MALE	FEMALE	MAX. PRESSURE	PRICE
BGGL06/SS	1/4" BSPP	1/4" BSPP	350 bar	£98.97
BGGL09/SS	3/8" BSPP	3/8" BSPP	350 bar	£106.32
BGGL13/SS	1/2" BSPP	1/2" BSPP	300 bar	£124.10
BGGL19/SS	3/4" BSPP	3/4" BSPP	250 bar	£155.62
BGGL25/SS	1" BSPP	1" BSPP	250 bar	£207.64
BGGL30/SS	1 1/4" BSPP	1 1/4" BSPP	180 bar	£290.63
BGGL40/SS	1 1/2" BSPP	1 1/2" BSPP	150 bar	£438.26
BGGL50/SS	2" BSPP	2" BSPP	150 bar	£581.97

### 90° SWIVEL JOINT



**MALE / FEMALE THREAD**  
**316 STAINLESS STEEL**

914

PART NUMBER	MALE	FEMALE	MAX. PRESSURE	PRICE
BGGN06/SS	1/4" BSPP	1/4" BSPP	350 bar	£123.74
BGGN09/SS	3/8" BSPP	3/8" BSPP	300 bar	£148.67
BGGN13/SS	1/2" BSPP	1/2" BSPP	300 bar	£179.84
BGGN19/SS	3/4" BSPP	3/4" BSPP	250 bar	£217.41
BGGN25/SS	1" BSPP	1" BSPP	250 bar	£290.53
BGGN30/SS	1 1/4" BSPP	1 1/4" BSPP	180 bar	£456.49
BGGN40/SS	1 1/2" BSPP	1 1/2" BSPP	150 bar	£622.03
BGGN50/SS	2" BSPP	2" BSPP	150 bar	£877.42

## 2-WAY BALL VALVES

Rötelmann's 2-way ball valves are made from stainless steel, steel or aluminium and can be used at up to 1500 bar. They offer numerous variants for different intended applications. For example, the 2-way ball valves can be automated with pneumatic, electric or hydraulic actuators, and can be supplied with visual displays, limit switches, proximity switches and locking devices. So that everything fits together properly, they also produce all common types of thread, flange and plug connectors, as well as ball valves, for manifold mounting and for manifold insertion in cartridge form.

- High-grade materials like steel, stainless steel or aluminium for pressures up to 1500 bar (21750 psi)
- With optional pneumatic, electric or hydraulic actuator
- Also available with position indicator, limit switch, proximity switch or locking device

## MULTI-WAY BALL VALVES

Rötelmann's multi-way ball valves are produced in nominal widths DN 4 to DN 65, with floating ball or trunnion ball. They are also available for manifold mounting. The enclosures are made from stainless steel, steel or aluminium and are designed for use at up to 500 bar. For precise automatic control, they can optionally supply the multi-way ball valves with pneumatic, electric or hydraulic actuators, as well as visual displays, limit switches, proximity switches and locking devices.

- Nominal diameters from 4 to 65
- Nominal pressures up to 500 bar (7250 psi)
- With optional pneumatic, electric or hydraulic actuator
- Also available with position indicator, limit switch, proximity switch or locking device

## VALVES

Rötelmann's needle valves, check valves and flow control valves have thread connections from DN 4 to DN 50. Their enclosures and spindles, or threaded connectors, are made from steel. The flow in Rötelmann's check valves is not reduced.

## CHECK VALVES

- With threaded connector: Steel DN 4 - DN 50
- Full flow, no reduction
- Custom orders upon request
- All dimensions subject to change without notice

## NEEDLE VALVES

- DN 4 - DN 50
- Body and Spindle of steel, Rotary knob of aluminium
- PN: 350 bar
- Custom orders upon request

## FLOW CONTROL VALVES

- DN 4 - DN 50
- Body and Spindle of steel, Rotary knob of aluminium
- PN: 350 bar
- Opening pressure: 0.5 bar
- Custom orders upon request

### 2 WAY – STEEL – DN4 – DN40/25

#### MATERIALS

Body	Zinc nickel plated
Ball	Steel, hard chrome plated
Stem	Steel, zinc plated
Ball seals	POM
Stem seals	NBR
Handle	Zinc, die cast

New



**2 WAY BALL VALVE**  
BSPP FEMALE ISO 228-1

2225

PART NUMBER	DN	THREAD	MAX. PRESSURE	SPARE HANDLE CODE	PRICE
B/VBKH-02	4	1/8" BSPP	500 bar	12	£22.58
B/VBKH-04	6	1/4" BSPP	500 bar	12	£25.58
B/VBKH-06	10	3/8" BSPP	500 bar	13	£25.49
B/VBKH-08	12	1/2" BSPP	500 bar	14	£28.88
B/VBKH-10	16	5/8" BSPP	420 bar	14	£43.19
B/VBKH-12	20	3/4" BSPP	420 bar	15	£54.70
B/VBKH-16	25	1" BSPP	420 bar	15	£72.90
B/VBKH-20	32/25	1 1/4" BSPP	420 bar	15	£140.07
B/VBKH-24	40/25	1 1/2" BSPP	420 bar	15	£168.48

New



**2 WAY BALL VALVE**  
LIGHT SERIES DIN2353

2225

PART NUMBER	DN	THREAD	MAX. PRESSURE	SPARE HANDLE CODE	PRICE
B/VBKH-6L	4	M12 x 1.5	500 bar	12	£22.58
B/VBKH-8L	6	M14 x 1.5	500 bar	12	£21.35
B/VBKH-10L	8	M16 x 1.5	500 bar	13	£22.79
B/VBKH-12L	10	M18 x 1.5	500 bar	13	£22.79
B/VBKH-15L	12	M22 x 1.5	500 bar	14	£25.76
B/VBKH-18L	16	M26 x 1.5	420 bar	14	£43.19
B/VBKH-22L	20	M30 x 2	420 bar	15	£51.90
B/VBKH-28L	25	M36 x 2	420 bar	15	£64.53
B/VBKH-35L	32/25	M45 x 2	420 bar	15	£163.36
B/VBKH-42L	40/25	M52 x 2	420 bar	15	£178.11

New



**2 WAY BALL VALVE**  
HEAVY SERIES DIN2353

2225

PART NUMBER	DN	THREAD	MAX. PRESSURE	SPARE HANDLE CODE	PRICE
B/VBKH-8S	4	M16 x 1.5	500 bar	12	£22.58
B/VBKH-10S	6	M18 x 1.5	500 bar	12	£21.35
B/VBKH-12S	8	M20 x 1.5	500 bar	13	£22.79
B/VBKH-14S	10	M22 x 1.5	500 bar	13	£22.79
B/VBKH-16S	12	M24 x 1.5	500 bar	14	£25.76
B/VBKH-20S	16	M30 x 1.5	420 bar	14	£43.19
B/VBKH-25S	20	M36 x 2	420 bar	15	£51.90
B/VBKH-30S	25	M42 x 2	420 bar	15	£64.53
B/VBKH-38S	32/25	M52 x 2	420 bar	15	£163.36

### 3 WAY – STEEL – DN4 – DN40/25

#### MATERIALS

Cycling	90°
Body	Zinc nickel plated
Ball	Steel, hard chrome plated
Stem	Steel, zinc plated
Ball seals	POM
Stem seals	NBR
Handle	Zinc, die cast

New



**3 WAY BALL VALVE**  
BSPP FEMALE "T" PORTED  
ISO 228-1

2225

PART NUMBER	DN	THREAD	MAX. PRESSURE	SPARE HANDLE CODE	PRICE
B/VBK3-02T	4	1/8" BSPP	500 bar	12	£67.00
B/VBK3-04T	6	1/4" BSPP	500 bar	12	£67.00
B/VBK3-06T	10	3/8" BSPP	500 bar	13	£66.30
B/VBK3-08T	12	1/2" BSPP	500 bar	14	£68.41
B/VBK3-12T	20	3/4" BSPP	400 bar	15	£118.62
B/VBK3-16T	25	1" BSPP	400 bar	15	£163.19
B/VBK3-20T	32/25	1 1/4" BSPP	400 bar	15	£192.61
B/VBK3-24T	40/25	1 1/2" BSPP	400 bar	15	£293.63

New



**3 WAY BALL VALVE**  
BSPP FEMALE "L" PORTED  
ISO 228-1

2225

PART NUMBER	DN	THREAD	MAX. PRESSURE	SPARE HANDLE CODE	PRICE
B/VBK3-02L	4	1/8" BSPP	500 bar	12	£52.25
B/VBK3-04L	6	1/4" BSPP	500 bar	12	£52.91
B/VBK3-06L	10	3/8" BSPP	500 bar	13	£51.87
B/VBK3-08L	12	1/2" BSPP	500 bar	14	£59.41
B/VBK3-12L	20	3/4" BSPP	400 bar	15	£115.11
B/VBK3-16L	25	1" BSPP	400 bar	15	£152.27
B/VBK3-20L	32/25	1 1/4" BSPP	400 bar	15	£188.31
B/VBK3-24L	40/25	1 1/2" BSPP	400 bar	15	£253.68

## 2 WAY – STAINLESS STEEL – DN4 – DN25

### MATERIALS

Body, ball & stem	Stainless steel
Ball seals	POM
Stem seals	FKM
Handle	Zinc, die cast
Stop plate	Steel, zinc plated

**New**



**2 WAY BALL VALVE  
BSPP FEMALE ISO 228-1**

2225

PART NUMBER	DN	THREAD	MAX. PRESSURE	SPARE HANDLE CODE	PRICE
B/VBKHSS-02	4	1/8" BSPP	500 bar	12 / 32	£102.25
B/VBKHSS-04	6	1/4" BSPP	500 bar	12 / 32	£98.58
B/VBKHSS-06	10	3/8" BSPP	500 bar	13 / 33	£109.55
B/VBKHSS-08	12	1/2" BSPP	500 bar	14 / 34	£131.46
B/VBKHSS-12	20	3/4" BSPP	420 bar	14 / 34	£231.14
B/VBKHSS-16	25	1" BSPP	420 bar	15 / 35	£259.29

## HANDLES

**New**



**SPARE HANDLES  
STEEL – DN4 – DN40/25**

2225

PART NUMBER	HANDLE CODE	PRICE
B/V903709	12	£8.89
B/V903708	13	£5.08
B/V903706	14	£9.56
B/V903694	15	£11.18

**New**



**SPARE HANDLES  
STAINLESS STEEL – DN4 – DN25**

2225

PART NUMBER	HANDLE CODE	PRICE
B/V903749	32	£19.41
B/V903750	33	£23.75
B/V903751	34	£27.38
B/V903752	35	£36.17

Locking mechanisms also available.  
 Please contact your distributor for further information.

## CHECK VALVES – STEEL – DN4 – DN32

### MATERIALS

Body	Steel, zinc nickel plated
Seat	POM
O-rings	FKM
Opening pressures	1 bar for DN 4 & DN 6 0.5 bar for all other sizes

**New**



2225

**CHECK VALVE  
BSPP FEMALE ISO 228-1**

PART NUMBER	DN	THREAD	MAX. PRESSURE	PRICE
B/VNVRV-02	4	1/8" BSPP	420 bar	£52.40
B/VNVRV-04	6	1/4" BSPP	420 bar	£48.51
B/VNVRV-06	10	3/8" BSPP	420 bar	£58.04
B/VNVRV-08	12	1/2" BSPP	420 bar	£63.47
B/VNVRV-12	20	3/4" BSPP	420 bar	£83.44
B/VNVRV-16	25	1" BSPP	420 bar	£104.01
B/VNVRV-20	32	1 1/4" BSPP	420 bar	£345.03

## NEEDLE VALVES – STEEL – DN4 – DN32

### MATERIALS

Body	Steel, zinc nickel plated
Spindle	Steel
Rotary knob	Aluminium
O-rings	NBR



2225

**NEEDLE VALVE  
BSPP FEMALE ISO 228-1**

PART NUMBER	DN	THREAD	MAX. PRESSURE	PRICE
B/VNDV-02	4	1/8" BSPP	350 bar	£50.89
B/VNDV-04	6	1/4" BSPP	350 bar	£47.49
B/VNDV-06	10	3/8" BSPP	350 bar	£50.98
B/VNDV-08	12	1/2" BSPP	350 bar	£60.93
B/VNDV-12	20	3/4" BSPP	350 bar	£80.83
B/VNDV-16	25	1" BSPP	350 bar	£162.94
B/VNDV-20	32	1 1/4" BSPP	350 bar	£200.70

## HIGH PRESSURE FLOW CONTROL VALVES – STEEL – DN4 – DN32

### MATERIALS

Body	Steel, zinc nickel plated
Spindle	Steel
Rotary knob	Aluminium
O-rings	NBR
Opening pressures	1 bar for DN 4 & DN 6 0.5 bar for all other sizes



2225

**FLOW CONTROL VALVE  
BSPP FEMALE ISO 228-1**

PART NUMBER	DN	THREAD	MAX. PRESSURE	PRICE
B/VNDRV-02	4	1/8" BSPP	350 bar	£64.19
B/VNDRV-04	6	1/4" BSPP	350 bar	£56.03
B/VNDRV-06	10	3/8" BSPP	350 bar	£64.11
B/VNDRV-08	12	1/2" BSPP	350 bar	£77.62
B/VNDRV-12	20	3/4" BSPP	350 bar	£100.73
B/VNDRV-16	25	1" BSPP	350 bar	£188.14
B/VNDRV-20	32	1 1/4" BSPP	350 bar	£263.33

## CONFORMITY

All hydraulic fittings and adaptors manufactured from steel:

BSEN 10277: 3: 1999 230M07Pb  
 BSEN 10277: 3: 11SMnPb37 European Standard

BSP Adaptor Dimensions compatible with ISO 8434-6/BS5200

BSP Adaptors DIN Spec to DIN 3852 Form A:2002

BSP Parallel Threads to BSENISO228-1:2003

BSPT Threads to BSEN 10226-1:2004

JIC & SAE Threads to B.S 1580:2007

METRIC Threads to B.S 3643 Pt 2 :2007

NTPF Threads to ANSI B1 20.3:1991

JIC Fittings to SAE J514 2004 or ISO 8434-2:2007

Electro Plating to BSEN12329:2000 Fe/Zn8/CaT2

The purchaser of these adaptors must ensure that they are satisfactory for use in the application for which they are intended.

No responsibility can be accepted by the manufacturers if adaptors are wrongly applied, incorrectly or inadequately fitted i.e. torque values, pressure requirements, non-matching threads, dry, unrolled threads, etc.

## PRESSURE RATINGS

DESIGN WORKING PRESSURE – Pressures as listed should be used as a guide only and not as a “standard” or “specification”.

Adaptor Pressure Ratings Applicable to Bore Size Only

Nominal Bore Dia.		Design Working Pressure		Proof Pressure		Over Pressure	
mm	ins	bar	psi	bar	psi	bar	psi
5	1/8	350	5145	525	7718	1400	20580
6.3	1/4	450	6500	675	9750	1520	22000
10	3/8	380	5500	570	8250	1310	19000
12.5	1/2	310	4500	465	6750	1100	16000
14.25	9/16	289	4250	434	6375	964	14170
16	5/8	280	4000	420	6000	850	12350
19	3/4	240	3500	360	5250	750	11000
25	1	210	3000	315	4500	675	9750
31.5	1 1/4	170	2500	255	3750	530	7700
37.5	1 1/2	136	2000	204	3000	404	5940
50	2	136	2000	204	3000	404	5940
62.5	2 1/2	84	1240	126	1860	245	3596
75	3	76	1120	114	1680	216	3170

## REACH COMPLIANCE

REACH and RoHS(2) Compliance Declaration (FEBRUARY 2017)

Burnett & Hillman are dedicated to supplying high quality hydraulic adaptors that meet environmental regulations, including RoHS (Restriction of Hazardous Substances) Directive, EU Directive 2002/95EC, and REACH (Registration, Authorisation and Restriction of Chemicals), EU Regulation (EC) 1907/2006.

Unless otherwise agreed, all materials used for parts manufactured or supplied by Burnett & Hillman after February 2006, comply with the relevant RoHS and REACH threshold limits.





8010



8010

**STRAIGHT ADAPTOR  
BSPB MALE 60° CONE  
BOTH ENDS**

PART NUMBER	THREAD	THREAD	PRICE
H 1B/02	1/8" BSPP	1/8" BSPP	£1.69
H 1B/02-04	1/8" BSPP	1/4" BSPP	£1.87
H 1B/02-06	1/8" BSPP	3/8" BSPP	£2.22
H 1B/02-08	1/8" BSPP	1/2" BSPP	£3.07
H 1B/04	1/4" BSPP	1/4" BSPP	£1.69
H 1B/04-06	1/4" BSPP	3/8" BSPP	£2.00
H 1B/04-08	1/4" BSPP	1/2" BSPP	£2.40
H 1B/04-10	1/4" BSPP	5/8" BSPP	£4.62
H 1B/04-12	1/4" BSPP	3/4" BSPP	£5.74
H 1B/04-16	1/4" BSPP	1" BSPP	£8.94
H 1B/06	3/8" BSPP	3/8" BSPP	£2.00
H 1B/06-08	3/8" BSPP	1/2" BSPP	£2.40
H 1B/06-10	3/8" BSPP	5/8" BSPP	£3.38
H 1B/06-12	3/8" BSPP	3/4" BSPP	£4.45
H 1B/06-16	3/8" BSPP	1" BSPP	£8.94
H 1B/06-20	3/8" BSPP	1 1/4" BSPP	£25.03
H 1B/06-24	3/8" BSPP	1 1/2" BSPP	£28.81
H 1B/08	1/2" BSPP	1/2" BSPP	£2.40
H 1B/08-10	1/2" BSPP	5/8" BSPP	£3.16
H 1B/08-12	1/2" BSPP	3/4" BSPP	£4.09
H 1B/08-16	1/2" BSPP	1" BSPP	£7.20
H 1B/08-20	1/2" BSPP	1 1/4" BSPP	£25.03
H 1B/08-24	1/2" BSPP	1 1/2" BSPP	£30.54
H 1B/10	5/8" BSPP	5/8" BSPP	£3.16
H 1B/10-12	5/8" BSPP	3/4" BSPP	£4.09
H 1B/10-16	5/8" BSPP	1" BSPP	£7.29
H 1B/10-20	5/8" BSPP	1 1/4" BSPP	£25.03
H 1B/12	3/4" BSPP	3/4" BSPP	£4.09
H 1B/12-16	3/4" BSPP	1" BSPP	£7.20
H 1B/12-20	3/4" BSPP	1 1/4" BSPP	£23.92
H 1B/12-24	3/4" BSPP	1 1/2" BSPP	£27.65
H 1B/12-32	3/4" BSPP	2" BSPP	£36.95
H 1B/16	1" BSPP	1" BSPP	£6.92
H 1B/16-20	1" BSPP	1 1/4" BSPP	£16.18
H 1B/16-24	1" BSPP	1 1/2" BSPP	£20.58
H 1B/16-32	1" BSPP	2" BSPP	£32.37
H 1B/20	1 1/4" BSPP	1 1/4" BSPP	£14.85
H 1B/20-24	1 1/4" BSPP	1 1/2" BSPP	£19.21
H 1B/20-32	1 1/4" BSPP	2" BSPP	£32.37
H 1B/24	1 1/2" BSPP	1 1/2" BSPP	£18.05
H 1B/24-32	1 1/2" BSPP	2" BSPP	£29.25
H 1B/32	2" BSPP	2" BSPP	£29.25

**STRAIGHT ADAPTOR  
BSPB MALE 60° CONE /  
BSPT MALE**

PART NUMBER	THREAD	THREAD	PRICE
H 1BT/02	1/8" BSPP	1/8" BSPT	£1.91
H 1BT/02-04	1/8" BSPP	1/4" BSPT	£2.13
H 1BT/02-06	1/8" BSPP	3/8" BSPT	£2.80
H 1BT/02-08	1/8" BSPP	1/2" BSPT	£6.80
H 1BT/04-02	1/4" BSPP	1/8" BSPT	£2.13
H 1BT/04	1/4" BSPP	1/4" BSPT	£1.91
H 1BT/04-06	1/4" BSPP	3/8" BSPT	£2.40
H 1BT/04-08	1/4" BSPP	1/2" BSPT	£3.29
H 1BT/04-12	1/4" BSPP	3/4" BSPT	£5.74
H 1BT/06-02	3/8" BSPP	1/8" BSPT	£3.29
H 1BT/06-04	3/8" BSPP	1/4" BSPT	£2.67
H 1BT/06	3/8" BSPP	3/8" BSPT	£2.40
H 1BT/06-08	3/8" BSPP	1/2" BSPT	£3.29
H 1BT/06-10	3/8" BSPP	5/8" BSPT	£4.62
H 1BT/06-12	3/8" BSPP	3/4" BSPT	£5.56
H 1BT/06-16	3/8" BSPP	1" BSPT	£9.91
H 1BT/08-04	1/2" BSPP	1/4" BSPT	£3.29
H 1BT/08-06	1/2" BSPP	3/8" BSPT	£3.07
H 1BT/08	1/2" BSPP	1/2" BSPT	£2.67
H 1BT/08-10	1/2" BSPP	5/8" BSPT	£3.78
H 1BT/08-12	1/2" BSPP	3/4" BSPT	£4.58
H 1BT/08-16	1/2" BSPP	1" BSPT	£7.78
H 1BT/10-06	5/8" BSPP	3/8" BSPT	£5.02
H 1BT/10-08	5/8" BSPP	1/2" BSPT	£3.60
H 1BT/10	5/8" BSPP	5/8" BSPT	£3.60
H 1BT/10-12	5/8" BSPP	3/4" BSPT	£5.74
H 1BT/12-06	3/4" BSPP	3/8" BSPT	£6.14
H 1BT/12-08	3/4" BSPP	1/2" BSPT	£4.53
H 1BT/12-10	3/4" BSPP	5/8" BSPT	£5.56
H 1BT/12	3/4" BSPP	3/4" BSPT	£4.13
H 1BT/12-16	3/4" BSPP	1" BSPT	£7.78
H 1BT/12-20	3/4" BSPP	1 1/4" BSPT	£17.83
H 1BT/16-08	1" BSPP	1/2" BSPT	£7.78
H 1BT/16-12	1" BSPP	3/4" BSPT	£7.78
H 1BT/16	1" BSPP	1" BSPT	£7.78
H 1BT/16-20	1" BSPP	1 1/4" BSPT	£17.07
H 1BT/16-24	1" BSPP	1 1/2" BSPT	£20.50
H 1BT/16-32	1" BSPP	2" BSPT	£37.08
H 1BT/20-12	1 1/4" BSPP	3/4" BSPT	£17.83
H 1BT/20-16	1 1/4" BSPP	1" BSPT	£17.83
H 1BT/20	1 1/4" BSPP	1 1/4" BSPT	£16.49
H 1BT/20-24	1 1/4" BSPP	1 1/2" BSPT	£21.39
H 1BT/20-32	1 1/4" BSPP	2" BSPT	£34.95
H 1BT/24-20	1 1/2" BSPP	1 1/4" BSPT	£21.39
H 1BT/24	1 1/2" BSPP	1 1/2" BSPT	£20.50
H 1BT/24-32	1 1/2" BSPP	2" BSPT	£34.72
H 1BT/32-20	2" BSPP	1 1/4" BSPT	£35.43
H 1BT/32-24	2" BSPP	1 1/2" BSPT	£34.72
H 1BT/32	2" BSPP	2" BSPT	£34.28



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**STRAIGHT ADAPTOR  
BSPT MALE**

PART NUMBER	THREAD	THREAD	PRICE
H 1T/02	1/8" BSPT	1/8" BSPT	£3.29
H 1T/02-04	1/8" BSPT	1/4" BSPT	£5.74
H 1T/04	1/4" BSPT	1/4" BSPT	£3.51
H 1T/04-06	1/4" BSPT	3/8" BSPT	£3.91
H 1T/04-08	1/4" BSPT	1/2" BSPT	£4.13
H 1T/06	3/8" BSPT	3/8" BSPT	£3.73
H 1T/06-08	3/8" BSPT	1/2" BSPT	£4.13
H 1T/08	1/2" BSPT	1/2" BSPT	£4.13
H 1T/08-12	1/2" BSPT	3/4" BSPT	£6.89
H 1T/10	5/8" BSPT	5/8" BSPT	£6.49
H 1T/12	3/4" BSPT	3/4" BSPT	£6.49
H 1T/12-16	3/4" BSPT	1" BSPT	£11.12
H 1T/16	1" BSPT	1" BSPT	£9.83
H 1T/16-20	1" BSPT	1 1/4" BSPT	£19.16
H 1T/20	1 1/4" BSPT	1 1/4" BSPT	£19.16
H 1T/20-24	1 1/4" BSPT	1 1/2" BSPT	£27.34
H 1T/24	1 1/2" BSPT	1 1/2" BSPT	£27.34
H 1T/24-32	1 1/2" BSPT	2" BSPT	£58.69
H 1T/32	2" BSPT	2" BSPT	£43.84

**STRAIGHT ADAPTOR  
BSPP MALE 60° CONE  
/ NPTF MALE**



8010

PART NUMBER	THREAD	THREAD	PRICE
H 1BN/02	1/8" BSPP	1/8" NPTF	£2.00
H 1BN/02-04	1/8" BSPP	1/4" NPTF	£3.51
H 1BN/04-02	1/4" BSPP	1/8" NPTF	£2.40
H 1BN/04	1/4" BSPP	1/4" NPTF	£2.09
H 1BN/04-06	1/4" BSPP	3/8" NPTF	£2.67
H 1BN/04-08	1/4" BSPP	1/2" NPTF	£3.29
H 1BN/04-12	1/4" BSPP	3/4" NPTF	£6.22
H 1BN/06-04	3/8" BSPP	1/4" NPTF	£2.80
H 1BN/06	3/8" BSPP	3/8" NPTF	£2.22
H 1BN/06-08	3/8" BSPP	1/2" NPTF	£3.29
H 1BN/08-04	1/2" BSPP	1/4" NPTF	£3.29
H 1BN/08-06	1/2" BSPP	3/8" NPTF	£3.29
H 1BN/08	1/2" BSPP	1/2" NPTF	£2.53
H 1BN/08-12	1/2" BSPP	3/4" NPTF	£5.02
H 1BN/08-16	1/2" BSPP	1" NPTF	£8.09
H 1BN/10-08	5/8" BSPP	1/2" NPTF	£5.47
H 1BN/10-12	5/8" BSPP	3/4" NPTF	£6.80
H 1BN/12-08	3/4" BSPP	1/2" NPTF	£5.47
H 1BN/12	3/4" BSPP	3/4" NPTF	£4.13
H 1BN/12-16	3/4" BSPP	1" NPTF	£8.09
H 1BN/16-08	1" BSPP	1/2" NPTF	£8.09
H 1BN/16-12	1" BSPP	3/4" NPTF	£8.09
H 1BN/16	1" BSPP	1" NPTF	£7.87
H 1BN/16-20	1" BSPP	1 1/4" NPTF	£17.43
H 1BN/20-16	1 1/4" BSPP	1" NPTF	£17.56
H 1BN/20	1 1/4" BSPP	1 1/4" NPTF	£15.56
H 1BN/20-24	1 1/4" BSPP	1 1/2" NPTF	£19.65
H 1BN/24-20	1 1/2" BSPP	1 1/4" NPTF	£19.65
H 1BN/24	1 1/2" BSPP	1 1/2" NPTF	£20.94
H 1BN/24-32	1 1/2" BSPP	2" NPTF	£37.08
H 1BN/32	2" BSPP	2" NPTF	£32.46

**STRAIGHT ADAPTOR  
METRIC / BSPP MALE 60° CONE**



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PART NUMBER	THREAD	THREAD	PRICE
H 1MB/10-04	10 mm	1/4" BSPP	£3.16
H 1MB/12-02	12 mm	1/8" BSPP	£3.16
H 1MB/12-04	12 mm	1/4" BSPP	£3.16
H 1MB/12-06	12 mm	3/8" BSPP	£3.29
H 1MB/12-08	12 mm	1/2" BSPP	£3.78
H 1MB/14-04	14 mm	1/4" BSPP	£3.16
H 1MB/14-06	14 mm	3/8" BSPP	£3.29
H 1MB/14-08	14 mm	1/2" BSPP	£3.78
H 1MB/16-04	16 mm	1/4" BSPP	£3.20
H 1MB/16-06	16 mm	3/8" BSPP	£3.20
H 1MB/16-08	16 mm	1/2" BSPP	£3.73
H 1MB/16-12	16 mm	3/4" BSPP	£4.58
H 1MB/18-04	18 mm	1/4" BSPP	£3.73
H 1MB/18-06	18 mm	3/8" BSPP	£3.73
H 1MB/18-08	18 mm	1/2" BSPP	£3.78
H 1MB/18-10	18 mm	5/8" BSPP	£4.13
H 1MB/18-12	18 mm	3/4" BSPP	£4.58
H 1MB/18-16	18 mm	1" BSPP	£9.20
H 1MB/20-04	20 mm	1/4" BSPP	£4.09
H 1MB/20-06	20 mm	3/8" BSPP	£4.09
H 1MB/20-08	20 mm	1/2" BSPP	£4.09
H 1MB/20-12	20 mm	3/4" BSPP	£4.58
H 1MB/22-04	22 mm	1/4" BSPP	£4.13
H 1MB/22-06	22 mm	3/8" BSPP	£4.13
H 1MB/22-08	22 mm	1/2" BSPP	£4.13
H 1MB/22-12	22 mm	3/4" BSPP	£4.58
H 1MB/22-16	22 mm	1" BSPP	£9.20
H 1MB/24-06	24 mm	3/8" BSPP	£5.34
H 1MB/24-08	24 mm	1/2" BSPP	£4.58
H 1MB/24-12	24 mm	3/4" BSPP	£5.34
H 1MB/26-06	26 mm	3/8" BSPP	£7.16
H 1MB/26-08	26 mm	1/2" BSPP	£4.58
H 1MB/26-12	26 mm	3/4" BSPP	£4.58
H 1MB/26-16	26 mm	1" BSPP	£9.20
H 1MB/30-12	30 mm	3/4" BSPP	£9.20
H 1MB/30-16	30 mm	1" BSPP	£9.20
H 1MB/36-16	36 mm	1" BSPP	£15.47
H 1MB/38-16	38 mm	1" BSPP	£18.54
H 1MB/38-20	38 mm	1 1/4" BSPP	£18.54
H 1MB/38-24	38 mm	1 1/2" BSPP	£24.19
H 1MB/45-24	45 mm	1 1/2" BSPP	£24.19
H 1MB/45-32	45 mm	2" BSPP	£29.25
H 1MB/52-32	52 mm	2" BSPP	£29.25

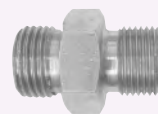
**STRAIGHT ADAPTOR  
METRIC MALE 60° CONE**



8010

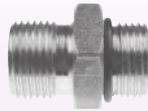
PART NUMBER	THREAD	THREAD	PRICE
H 1MM/10	10 mm	10 mm	£3.11
H 1MM/10-12	10 mm	12 mm	£3.38
H 1MM/10-14	10 mm	14 mm	£3.38
H 1MM/12	12 mm	12 mm	£3.11
H 1MM/12-14	12 mm	14 mm	£3.16
H 1MM/12-16	12 mm	16 mm	£3.91
H 1MM/14	14 mm	14 mm	£3.16
H 1MM/14-16	14 mm	16 mm	£3.29
H 1MM/14-18	14 mm	18 mm	£3.73
H 1MM/16	16 mm	16 mm	£3.29
H 1MM/16-18	16 mm	18 mm	£3.73
H 1MM/16-20	16 mm	20 mm	£3.91
H 1MM/16-22	16 mm	22 mm	£4.09
H 1MM/18	18 mm	18 mm	£3.73
H 1MM/18-20	18 mm	20 mm	£3.91
H 1MM/18-22	18 mm	22 mm	£4.09
H 1MM/18-24	18 mm	24 mm	£5.47
H 1MM/20	20 mm	20 mm	£3.91
H 1MM/20-22	20 mm	22 mm	£3.91
H 1MM/20-24	20 mm	24 mm	£5.47
H 1MM/20-26	20 mm	26 mm	£5.47
H 1MM/22	22 mm	22 mm	£4.09
H 1MM/22-24	22 mm	24 mm	£4.58
H 1MM/22-26	22 mm	26 mm	£4.58
H 1MM/22-30	22 mm	30 mm	£9.20
H 1MM/24	24 mm	24 mm	£4.58
H 1MM/24-26	24 mm	26 mm	£5.47
H 1MM/26	26 mm	26 mm	£4.58
H 1MM/30	30 mm	30 mm	£9.20
H 1MM/30-38	30 mm	38 mm	£18.54
H 1MM/38	38 mm	38 mm	£18.54

**STRAIGHT ADAPTOR  
BSPP MALE 60° CONE /  
ORFS MALE**



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PART NUMBER	THREAD	THREAD	PRICE
H 1BS/04-09	1/4" BSPP	9/16" ORFS	£2.98
H 1BS/06-11	3/8" BSPP	11/16" ORFS	£3.29
H 1BS/08-13	1/2" BSPP	13/16" ORFS	£3.91
H 1BS/08-16	1/2" BSPP	1" ORFS	£5.29
H 1BS/10-19	5/8" BSPP	1 3/16" ORFS	£13.56
H 1BS/12-19	3/4" BSPP	1 3/16" ORFS	£5.16
H 1BS/12-23	3/4" BSPP	1 7/16" ORFS	£19.92
H 1BS/16-23	1" BSPP	1 7/16" ORFS	£17.78



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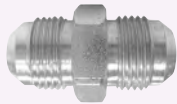
**STRAIGHT ADAPTOR  
BSPP MALE /  
SAE O-RING BOSS MALE**

PART NUMBER	BSP THREAD	SAE THREAD	PRICE
H 1BO/02-04	1/8" BSPP	7/16" SORB	£3.02
H 1BO/04	1/4" BSPP	7/16" SORB	£2.31
H 1BO/04-05	1/4" BSPP	1/2" SORB	£2.67
H 1BO/04-06	1/4" BSPP	9/16" SORB	£2.67
H 1BO/04-08	1/4" BSPP	3/4" SORB	£3.42
H 1BO/06-04	3/8" BSPP	7/16" SORB	£2.67
H 1BO/06-05	3/8" BSPP	1/2" SORB	£2.67
H 1BO/06	3/8" BSPP	9/16" SORB	£2.80
H 1BO/06-07	3/8" BSPP	5/8" SORB	£3.91
H 1BO/06-08	3/8" BSPP	3/4" SORB	£3.42
H 1BO/06-10	3/8" BSPP	7/8" SORB	£4.09
H 1BO/08-04	1/2" BSPP	7/16" SORB	£3.42
H 1BO/08-05	1/2" BSPP	1/2" SORB	£3.60
H 1BO/08-06	1/2" BSPP	9/16" SORB	£3.42
H 1BO/08-07	1/2" BSPP	5/8" SORB	£4.05
H 1BO/08	1/2" BSPP	3/4" SORB	£3.42
H 1BO/08-10	1/2" BSPP	7/8" SORB	£4.09
H 1BO/08-12	1/2" BSPP	1 1/16" SORB	£5.47
H 1BO/10	5/8" BSPP	7/8" SORB	£4.09
H 1BO/12-08	3/4" BSPP	3/4" SORB	£5.16
H 1BO/12-10	3/4" BSPP	7/8" SORB	£5.16
H 1BO/12	3/4" BSPP	1 1/16" SORB	£5.34
H 1BO/12-16	3/4" BSPP	1 5/16" SORB	£8.05
H 1BO/16-12	1" BSPP	1 1/16" SORB	£7.96
H 1BO/16	1" BSPP	1 5/16" SORB	£8.05
H 1BO/16-20	1" BSPP	1 5/8" SORB	£18.76
H 1BO/20	1 1/4" BSPP	1 5/8" SORB	£18.76
H 1BO/20-24	1 1/4" BSPP	1 7/8" SORB	£28.10
H 1BO/24	1 1/2" BSPP	1 7/8" SORB	£28.10

**STRAIGHT ADAPTOR  
NPTF MALE**

PART NUMBER	THREAD	THREAD	PRICE
H 1N/02	1/8" NPTF	1/8" NPTF	£3.16
H 1N/02-04	1/8" NPTF	1/4" NPTF	£3.16
H 1N/04	1/4" NPTF	1/4" NPTF	£3.16
H 1N/04-06	1/4" NPTF	3/8" NPTF	£3.51
H 1N/04-08	1/4" NPTF	1/2" NPTF	£3.91
H 1N/06	3/8" NPTF	3/8" NPTF	£3.51
H 1N/06-08	3/8" NPTF	1/2" NPTF	£3.91
H 1N/08	1/2" NPTF	1/2" NPTF	£3.91
H 1N/08-12	1/2" NPTF	3/4" NPTF	£6.80
H 1N/12	3/4" NPTF	3/4" NPTF	£6.14
H 1N/12-16	3/4" NPTF	1" NPTF	£7.82
H 1N/16	1" NPTF	1" NPTF	£7.82
H 1N/16-20	1" NPTF	1 1/4" NPTF	£18.85
H 1N/20	1 1/4" NPTF	1 1/4" NPTF	£18.85
H 1N/20-24	1 1/4" NPTF	1 1/2" NPTF	£25.03
H 1N/24	1 1/2" NPTF	1 1/2" NPTF	£25.03
H 1N/24-32	1 1/2" NPTF	2" NPTF	£35.12
H 1N/32	2" NPTF	2" NPTF	£35.12

**STRAIGHT ADAPTOR  
JIC MALE 74° CONE**



8010

PART NUMBER	THREAD	THREAD	PRICE
H 1J/04	7/16" JIC	7/16" JIC	£2.13
H 1J/04-05	7/16" JIC	1/2" JIC	£3.16
H 1J/04-06	7/16" JIC	9/16" JIC	£3.16
H 1J/04-08	7/16" JIC	3/4" JIC	£4.45
H 1J/04-10	7/16" JIC	7/8" JIC	£4.62
H 1J/05	1/2" JIC	1/2" JIC	£2.40
H 1J/05-06	1/2" JIC	9/16" JIC	£3.16
H 1J/05-10	1/2" JIC	7/8" JIC	£5.74
H 1J/06	9/16" JIC	9/16" JIC	£2.40
H 1J/06-08	9/16" JIC	3/4" JIC	£3.73
H 1J/06-10	9/16" JIC	7/8" JIC	£4.27
H 1J/06-12	9/16" JIC	1 1/16" JIC	£6.09
H 1J/08	3/4" JIC	3/4" JIC	£3.07
H 1J/08-10	3/4" JIC	7/8" JIC	£3.91
H 1J/08-12	3/4" JIC	1 1/16" JIC	£5.02
H 1J/10	7/8" JIC	7/8" JIC	£3.51
H 1J/10-12	7/8" JIC	1 1/16" JIC	£5.29
H 1J/12	1 1/16" JIC	1 1/16" JIC	£5.02
H 1J/12-14	1 1/16" JIC	1 3/16" JIC	£7.38
H 1J/12-16	1 1/16" JIC	1 5/16" JIC	£7.20
H 1J/12-20	1 1/16" JIC	1 5/8" JIC	£18.05
H 1J/16	1 5/16" JIC	1 5/16" JIC	£7.07
H 1J/20	1 5/8" JIC	1 5/8" JIC	£15.47

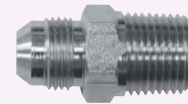
**BSPT MALE / NPTF MALE  
FIXED ADAPTOR**



8010

PART NUMBER	THREAD	THREAD	PRICE
H 1BNT0202	1/8" BSPT	1/8" NPTF	£3.29
H 1BNT0204	1/8" BSPT	1/4" NPTF	£5.29
H 1BNT0402	1/4" BSPT	1/8" NPTF	£5.29
H 1BNT0404	1/4" BSPT	1/4" NPTF	£4.22
H 1BNT0406	1/4" BSPT	3/8" NPTF	£5.25
H 1BNT0604	3/8" BSPT	1/4" NPTF	£5.25
H 1BNT0606	3/8" BSPT	3/8" NPTF	£5.25
H 1BNT0608	3/8" BSPT	1/2" NPTF	£5.74
H 1BNT0808	1/2" BSPT	1/2" NPTF	£6.14
H 1BNT0812	1/2" BSPT	3/4" NPTF	£18.54
H 1BNT1212	3/4" BSPT	3/4" NPTF	£9.16
H 1BNT1216	3/4" BSPT	1" NPTF	£19.78
H 1BNT1608	1" BSPT	1/2" NPTF	£19.78
H 1BNT1612	1" BSPT	3/4" NPTF	£19.78
H 1BNT1616	1" BSPT	1" NPTF	£15.47

**60° CONED NPTF MALE  
/ 74° FLARE JIC MALE  
FIXED ADAPTOR**



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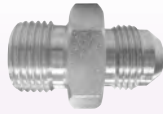
PART NUMBER	THREAD	THREAD	PRICE
H BH00721	1/8" NPTF	1/2" JIC	£2.00
H BH00722	1/8" NPTF	9/16" JIC	£3.29
H BH00724	1/4" NPTF	7/16" JIC	£2.09
H BH00726	1/4" NPTF	9/16" JIC	£2.09
H BH00727	1/4" NPTF	3/4" JIC	£3.07
H BH00729	3/8" NPTF	7/16" JIC	£2.80
H BH00730	3/8" NPTF	1/2" JIC	£2.80
H BH00731	3/8" NPTF	9/16" JIC	£2.22
H BH00732	3/8" NPTF	3/4" JIC	£2.80
H BH00733	3/8" NPTF	7/8" JIC	£3.29
H BH00737	1/2" NPTF	9/16" JIC	£3.29
H BH00738	1/2" NPTF	3/4" JIC	£3.20
H BH00739	1/2" NPTF	7/8" JIC	£3.20
H BH00740	1/2" NPTF	1 1/16" JIC	£5.29



# HYDRAULIC ADAPTORS – MALE / MALE



## STRAIGHT ADAPTOR BSPP MALE 60° CONE / JIC MALE 74° CONE



8010

PART NUMBER	THREAD	THREAD	PRICE
H 1BJ/02-04	1/8" BSPP	7/16" JIC	£2.67
H 1BJ/02-05	1/8" BSPP	1/2" JIC	£2.53
H 1BJ/02-06	1/8" BSPP	9/16" JIC	£3.11
H 1BJ/04	1/4" BSPP	7/16" JIC	£1.91
H 1BJ/04-05	1/4" BSPP	1/2" JIC	£2.22
H 1BJ/04-06	1/4" BSPP	9/16" JIC	£2.13
H 1BJ/04-08	1/4" BSPP	3/4" JIC	£3.16
H 1BJ/04-10	1/4" BSPP	7/8" JIC	£5.02
H 1BJ/06-04	3/8" BSPP	7/16" JIC	£2.22
H 1BJ/06-05	3/8" BSPP	1/2" JIC	£2.22
H 1BJ/06	3/8" BSPP	9/16" JIC	£2.13
H 1BJ/06-08	3/8" BSPP	3/4" JIC	£2.67
H 1BJ/06-10	3/8" BSPP	7/8" JIC	£3.16
H 1BJ/06-12	3/8" BSPP	1 1/16" JIC	£4.98
H 1BJ/08-04	1/2" BSPP	7/16" JIC	£3.29
H 1BJ/08-05	1/2" BSPP	1/2" JIC	£3.29
H 1BJ/08-06	1/2" BSPP	9/16" JIC	£2.80
H 1BJ/08	1/2" BSPP	3/4" JIC	£2.67
H 1BJ/08-10	1/2" BSPP	7/8" JIC	£3.16
H 1BJ/08-12	1/2" BSPP	1 1/16" JIC	£4.09
H 1BJ/08-16	1/2" BSPP	1 5/16" JIC	£7.87
H 1BJ/10-08	5/8" BSPP	3/4" JIC	£5.02
H 1BJ/10	5/8" BSPP	7/8" JIC	£5.02
H 1BJ/10-12	5/8" BSPP	1 1/16" JIC	£5.02
H 1BJ/12-05	3/4" BSPP	1/2" JIC	£5.29
H 1BJ/12-06	3/4" BSPP	9/16" JIC	£5.29
H 1BJ/12-08	3/4" BSPP	3/4" JIC	£4.53
H 1BJ/12-10	3/4" BSPP	7/8" JIC	£4.53
H 1BJ/12	3/4" BSPP	1 1/16" JIC	£4.13
H 1BJ/12-14	3/4" BSPP	1 3/16" JIC	£6.40
H 1BJ/12-16	3/4" BSPP	1 5/16" JIC	£7.16
H 1BJ/16-08	1" BSPP	3/4" JIC	£8.14
H 1BJ/16-10	1" BSPP	7/8" JIC	£8.14
H 1BJ/16-12	1" BSPP	1 1/16" JIC	£7.16
H 1BJ/16-14	1" BSPP	1 3/16" JIC	£7.16
H 1BJ/16	1" BSPP	1 5/16" JIC	£7.16
H 1BJ/16-20	1" BSPP	1 5/8" JIC	£18.45
H 1BJ/20-12	1 1/4" BSPP	1 1/16" JIC	£18.45
H 1BJ/20-16	1 1/4" BSPP	1 5/16" JIC	£18.45
H 1BJ/20	1 1/4" BSPP	1 5/8" JIC	£18.45
H 1BJ/20-24	1 1/4" BSPP	1 7/8" JIC	£27.08
H 1BJ/24-16	1 1/2" BSPP	1 5/16" JIC	£27.08
H 1BJ/24-20	1 1/2" BSPP	1 5/8" JIC	£27.08
H 1BJ/24	1 1/2" BSPP	1 7/8" JIC	£27.08
H 1BJ/32	2" BSPP	2 1/2" JIC	£40.99

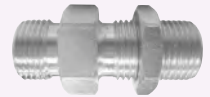
## STRAIGHT ADAPTOR JIC MALE 74° CONE / SAE O-RING BOSS MALE



8010

PART NUMBER	JIC THREAD	SAE THREAD	PRICE
H 1JO/04	7/16" JIC	7/16" SORB	£2.53
H 1JO/04-05	7/16" JIC	1/2" SORB	£2.80
H 1JO/05-04	1/2" JIC	7/16" SORB	£2.80
H 1JO/05	1/2" JIC	1/2" SORB	£2.80
H 1JO/06-04	9/16" JIC	7/16" SORB	£2.80
H 1JO/06-05	9/16" JIC	1/2" SORB	£2.80
H 1JO/06-08	9/16" JIC	3/4" SORB	£4.05
H 1JO/08-06	3/4" JIC	9/16" SORB	£3.29
H 1JO/08	3/4" JIC	3/4" SORB	£3.25
H 1JO/08-10	3/4" JIC	7/8" SORB	£3.91
H 1JO/10-08	7/8" JIC	3/4" SORB	£3.65
H 1JO/10	7/8" JIC	7/8" SORB	£3.78
H 1JO/10-12	7/8" JIC	1 1/16" SORB	£6.76
H 1JO/12-10	1 1/16" JIC	7/8" SORB	£6.27
H 1JO/12	1 1/16" JIC	1 1/16" SORB	£5.47
H 1JO/12-14	1 1/16" JIC	1 3/16" SORB	£8.67
H 1JO/12-16	1 1/16" JIC	1 5/16" SORB	£8.67
H 1JO/16-12	1 5/16" JIC	1 1/16" SORB	£8.58
H 1JO/16	1 5/16" JIC	1 5/16" SORB	£8.67
H 1JO/16-20	1 5/16" JIC	1 5/8" SORB	£15.87
H 1JO/20-16	1 5/8" JIC	1 5/16" SORB	£15.83
H 1JO/20-24	1 5/8" JIC	1 7/8" SORB	£26.14
H 1JO/24-20	1 7/8" JIC	1 5/8" SORB	£25.70
H 1JO/24	1 7/8" JIC	1 7/8" SORB	£24.10
H 1JO/32-24	2 1/2" JIC	1 7/8" SORB	£52.24
H 1JO/32	2 1/2" JIC	2 1/2" SORB	£52.51

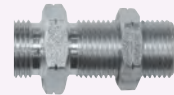
## STRAIGHT ADAPTOR WITH LOCKNUT BSPP MALE 60° CONE / BSPP MALE BULKHEAD



8010

PART NUMBER	THREAD	THREAD	PRICE
H 6B/02	1/8" BSPP	1/8" BSPP	£6.85
H 6B/04	1/4" BSPP	1/4" BSPP	£5.91
H 6B/06	3/8" BSPP	3/8" BSPP	£6.62
H 6B/06-08	3/8" BSPP	1/2" BSPP	£14.05
H 6B/08	1/2" BSPP	1/2" BSPP	£7.20
H 6B/10	5/8" BSPP	5/8" BSPP	£8.40
H 6B/12	3/4" BSPP	3/4" BSPP	£12.23
H 6B/16	1" BSPP	1" BSPP	£16.98
H 6B/20	1 1/4" BSPP	1 1/4" BSPP	£33.43
H 6B/24	1 1/2" BSPP	1 1/2" BSPP	£63.27
H 6B/32	2" BSPP	2" BSPP	£86.74

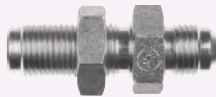
## 60° CONE BULKHEAD ADAPTOR WITH LOCKNUT, 1.5 MM PITCH COMPLETE WITH LOCKNUT



8010

PART NUMBER	THREAD	PRICE
H 8MP1212	12 mm	£7.51
H 8MP1414	14 mm	£7.74
H 8MP1616	16 mm	£8.09
H 8MP1818	18 mm	£8.98
H 8MP2020	20 mm	£9.91
H 8MP2222	22 mm	£10.49

## STRAIGHT ADAPTOR JIC MALE / JIC MALE 74° CONE BULKHEAD WITH LOCKNUT



8010

PART NUMBER	THREAD	THREAD	PRICE
H 6J/02	3/8" JIC	3/8" JIC	£13.78
H 6J/04	7/16" JIC	7/16" JIC	£11.07
H 6J/05	1/2" JIC	1/2" JIC	£11.25
H 6J/06	9/16" JIC	9/16" JIC	£11.38
H 6J/08	3/4" JIC	3/4" JIC	£14.00
H 6J/10	7/8" JIC	7/8" JIC	£21.07
H 6J/12	1 1/16" JIC	1 1/16" JIC	£28.63
H 6J/14	1 3/16" JIC	1 3/16" JIC	£32.23
H 6J/16	1 5/16" JIC	1 5/16" JIC	£39.66
H 6J/20	1 5/8" JIC	1 5/8" JIC	£54.42
H 6J/24	1 7/8" JIC	1 7/8" JIC	£93.50

## STRAIGHT ADAPTOR ORFS MALE x ORFS MALE O-RING FACE SEALS



8010

PART NUMBER	THREAD	THREAD	PRICE
H BH9305-04-04	9/16" ORFS	9/16" ORFS	£2.89
H BH9305-06-06	11/16" ORFS	11/16" ORFS	£3.29
H BH9305-08-08	13/16" ORFS	13/16" ORFS	£4.71
H BH9305-10-10	1" ORFS	1" ORFS	£7.29
H BH9305-12-12	1 3/16" ORFS	1 3/16" ORFS	£10.45
H BH9305-16-16	1 7/16" ORFS	1 7/16" ORFS	£15.87
H BH9305-20-20	1 11/16" ORFS	1 11/16" ORFS	£20.45
H BH9305-24-24	2" ORFS	2" ORFS	£31.66



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**STRAIGHT ADAPTOR**  
BSPP MALE / SWIVEL FEMALE  
60° CONE BOTH ENDS

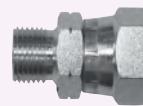


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**STRAIGHT ADAPTOR**  
BSPP MALE /  
JIC SWIVEL FEMALE

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
H 2B/02	1/8" BSPP	1/8" BSPP	£3.51
H 2B/02-04	1/8" BSPP	1/4" BSPP	£3.51
H 2B/04-02	1/4" BSPP	1/8" BSPP	£3.51
H 2B/04	1/4" BSPP	1/4" BSPP	£2.80
H 2B/04-06	1/4" BSPP	3/8" BSPP	£3.20
H 2B/04-08	1/4" BSPP	1/2" BSPP	£4.53
H 2B/04-12	1/4" BSPP	3/4" BSPP	£8.94
H 2B/06-02	3/8" BSPP	1/8" BSPP	£3.73
H 2B/06-04	3/8" BSPP	1/4" BSPP	£3.20
H 2B/06	3/8" BSPP	3/8" BSPP	£3.16
H 2B/06-08	3/8" BSPP	1/2" BSPP	£4.45
H 2B/06-12	3/8" BSPP	3/4" BSPP	£8.36
H 2B/08-04	1/2" BSPP	1/4" BSPP	£4.53
H 2B/08-06	1/2" BSPP	3/8" BSPP	£4.45
H 2B/08	1/2" BSPP	1/2" BSPP	£4.45
H 2B/08-10	1/2" BSPP	5/8" BSPP	£5.29
H 2B/08-12	1/2" BSPP	3/4" BSPP	£6.49
H 2B/08-16	1/2" BSPP	1" BSPP	£9.65
H 2B/10-08	5/8" BSPP	1/2" BSPP	£5.29
H 2B/10	5/8" BSPP	5/8" BSPP	£5.02
H 2B/10-12	5/8" BSPP	3/4" BSPP	£8.36
H 2B/12-06	3/4" BSPP	3/8" BSPP	£8.36
H 2B/12-08	3/4" BSPP	1/2" BSPP	£6.49
H 2B/12-10	3/4" BSPP	5/8" BSPP	£8.36
H 2B/12	3/4" BSPP	3/4" BSPP	£6.49
H 2B/12-16	3/4" BSPP	1" BSPP	£9.96
H 2B/12-20	3/4" BSPP	1 1/4" BSPP	£21.56
H 2B/16-08	1" BSPP	1/2" BSPP	£9.96
H 2B/16-12	1" BSPP	3/4" BSPP	£9.96
H 2B/16	1" BSPP	1" BSPP	£9.56
H 2B/16-20	1" BSPP	1 1/4" BSPP	£19.83
H 2B/20-16	1 1/4" BSPP	1" BSPP	£19.83
H 2B/20	1 1/4" BSPP	1 1/4" BSPP	£19.83
H 2B/20-24	1 1/4" BSPP	1 1/2" BSPP	£30.10
H 2B/24	1 1/2" BSPP	1 1/2" BSPP	£31.21
H 2B/24-32	1 1/2" BSPP	2" BSPP	£53.09
H 2B/32-24	2" BSPP	1 1/2" BSPP	£53.09
H 2B/32	2" BSPP	2" BSPP	£53.09

PART NUMBER	BSPP MALE	JIC SW FEMALE	PRICE
H 2BJ/04	1/4" BSPP	7/16" JIC	£4.62
H 2BJ/04-05	1/4" BSPP	1/2" JIC	£4.62
H 2BJ/04-06	1/4" BSPP	9/16" JIC	£4.62
H 2BJ/04-08	1/4" BSPP	3/4" JIC	£5.02
H 2BJ/06-04	3/8" BSPP	7/16" JIC	£5.02
H 2BJ/06-05	3/8" BSPP	1/2" JIC	£5.02
H 2BJ/06	3/8" BSPP	9/16" JIC	£5.02
H 2BJ/06-08	3/8" BSPP	3/4" JIC	£5.02
H 2BJ/06-10	3/8" BSPP	7/8" JIC	£5.74
H 2BJ/08-05	1/2" BSPP	1/2" JIC	£5.74
H 2BJ/08-06	1/2" BSPP	9/16" JIC	£5.74
H 2BJ/08	1/2" BSPP	3/4" JIC	£5.02
H 2BJ/08-10	1/2" BSPP	7/8" JIC	£5.56
H 2BJ/10-08	5/8" BSPP	3/4" JIC	£6.58
H 2BJ/10	5/8" BSPP	7/8" JIC	£6.58
H 2BJ/12-08	3/4" BSPP	3/4" JIC	£8.40
H 2BJ/12-10	3/4" BSPP	7/8" JIC	£8.80
H 2BJ/12	3/4" BSPP	1 1/16" JIC	£9.96
H 2BJ/12-14	3/4" BSPP	1 3/16" JIC	£13.56
H 2BJ/12-16	3/4" BSPP	1 5/16" JIC	£17.83
H 2BJ/16-12	1" BSPP	1 1/16" JIC	£13.87
H 2BJ/16	1" BSPP	1 5/16" JIC	£17.83
H 2BJ/20	1 1/4" BSPP	1 5/8" JIC	£28.68
H 2BJ/24-20	1 1/2" BSPP	1 5/8" JIC	£42.41
H 2BJ/24	1 1/2" BSPP	1 7/8" JIC	£42.41



8010

**STRAIGHT ADAPTOR**  
METRIC MALE 1.5 MM PITCH  
/ BSPP SWIVEL FEMALE

PART NUMBER	THREAD	THREAD	PRICE
H 2MB1204	12 mm	1/4" BSPP	£9.83
H 2MB1206	12 mm	3/8" BSPP	£12.76
H 2MB1404	14 mm	1/4" BSPP	£8.09
H 2MB1406	14 mm	3/8" BSPP	£8.09
H 2MB1604	16 mm	1/4" BSPP	£8.71
H 2MB1606	16 mm	3/8" BSPP	£6.09
H 2MB1608	16 mm	1/2" BSPP	£9.16
H 2MB1806	18 mm	3/8" BSPP	£8.09
H 2MB2006	20 mm	3/8" BSPP	£9.03
H 2MB2008	20 mm	1/2" BSPP	£9.03
H 2MB2208	22 mm	1/2" BSPP	£8.23



8010

**STRAIGHT ADAPTOR**  
BSPP MALE /  
METRIC SWIVEL FEMALE

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
H 2BM/04-12	1/4" BSPP	12 mm	£4.62
H 2BM/04-14	1/4" BSPP	14 mm	£5.02
H 2BM/04-16	1/4" BSPP	16 mm	£6.09
H 2BM/06-12	3/8" BSPP	12 mm	£6.09
H 2BM/06-14	3/8" BSPP	14 mm	£6.09
H 2BM/06-16	3/8" BSPP	16 mm	£6.09
H 2BM/06-18	3/8" BSPP	18 mm	£6.22
H 2BM/06-20	3/8" BSPP	20 mm	£6.49
H 2BM/08-14	1/2" BSPP	14 mm	£6.22
H 2BM/08-16	1/2" BSPP	16 mm	£6.22
H 2BM/08-18	1/2" BSPP	18 mm	£6.22
H 2BM/08-20	1/2" BSPP	20 mm	£6.49
H 2BM/08-22	1/2" BSPP	22 mm	£6.58
H 2BM/08-24	1/2" BSPP	24 mm	£9.34



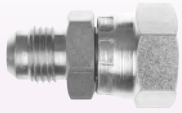
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**STRAIGHT ADAPTOR**  
JIC MALE 74° CONE /  
JIC SWIVEL FEMALE

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
H 2J/04-04	7/16" JIC	7/16" JIC	£5.51
H 2J/05-05	1/2" JIC	1/2" JIC	£5.47
H 2J/06-06	9/16" JIC	9/16" JIC	£5.51
H 2J/08-08	3/4" JIC	3/4" JIC	£5.69
H 2J/08-10	3/4" JIC	7/8" JIC	£6.58
H 2J/10-10	7/8" JIC	7/8" JIC	£6.58
H 2J/12-12	1 1/16" JIC	1 1/16" JIC	£9.56
H 2J/14-14	1 3/16" JIC	1 3/16" JIC	£11.29
H 2J/16-16	1 5/16" JIC	1 5/16" JIC	£16.18
H 2J/20-20	1 5/8" JIC	1 5/8" JIC	£33.30
H 2J/24-24	1 7/8" JIC	1 7/8" JIC	£42.41



**STRAIGHT ADAPTOR  
JIC MALE /  
BSPP SWIVEL FEMALE**



8010

PART NUMBER	JIC MALE THREAD	BSPP SW FEMALE	PRICE
H 2JB/04-02	7/16" JIC	1/8" BSPP	£4.62
H 2JB/04	7/16" JIC	1/4" BSPP	£4.62
H 2JB/05-04	1/2" JIC	1/4" BSPP	£4.62
H 2JB/05-06	1/2" JIC	3/8" BSPP	£5.74
H 2JB/05-08	1/2" JIC	1/2" BSPP	£5.74
H 2JB/06-04	9/16" JIC	1/4" BSPP	£4.62
H 2JB/06	9/16" JIC	3/8" BSPP	£5.02
H 2JB/06-08	9/16" JIC	1/2" BSPP	£5.16
H 2JB/08-06	3/4" JIC	3/8" BSPP	£5.02
H 2JB/08	3/4" JIC	1/2" BSPP	£5.56
H 2JB/10-06	7/8" JIC	3/8" BSPP	£5.74
H 2JB/10-08	7/8" JIC	1/2" BSPP	£5.74
H 2JB/10	7/8" JIC	5/8" BSPP	£8.71
H 2JB/10-12	7/8" JIC	3/4" BSPP	£8.71
H 2JB/12	1 1/16" JIC	3/4" BSPP	£8.71
H 2JB/12-16	1 1/16" JIC	1" BSPP	£12.72
H 2JB/14-12	1 3/16" JIC	3/4" BSPP	£12.72
H 2JB/16-12	1 5/16" JIC	3/4" BSPP	£12.80
H 2JB/16	1 5/16" JIC	1" BSPP	£12.80
H 2JB/20	1 5/8" JIC	1 1/4" BSPP	£28.68
H 2JB/20-24	1 5/8" JIC	1 1/2" BSPP	£31.52
H 2JB/24	1 7/8" JIC	1 1/2" BSPP	£42.41

**STRAIGHT ADAPTOR  
BSPP MALE 60° CONE / BSPP  
FIXED FEMALE EXTENDED**



8010

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
H 5B/02	1/8" BSPP	1/8" BSPP	£3.96
H 5B/02-04	1/8" BSPP	1/4" BSPP	£3.91
H 5B/04-02	1/4" BSPP	1/8" BSPP	£3.91
H 5B/04	1/4" BSPP	1/4" BSPP	£3.20
H 5B/04-06	1/4" BSPP	3/8" BSPP	£3.60
H 5B/04-08	1/4" BSPP	1/2" BSPP	£4.49
H 5B/06-04	3/8" BSPP	1/4" BSPP	£3.60
H 5B/06	3/8" BSPP	3/8" BSPP	£3.60
H 5B/06-08	3/8" BSPP	1/2" BSPP	£3.91
H 5B/06-12	3/8" BSPP	3/4" BSPP	£14.72
H 5B/08-06	1/2" BSPP	3/8" BSPP	£3.91
H 5B/08	1/2" BSPP	1/2" BSPP	£3.91
H 5B/08-12	1/2" BSPP	3/4" BSPP	£8.14
H 5B/08-16	1/2" BSPP	1" BSPP	£14.09
H 5B/10-08	5/8" BSPP	1/2" BSPP	£4.49
H 5B/10-12	5/8" BSPP	3/4" BSPP	£21.87
H 5B/12-08	3/4" BSPP	1/2" BSPP	£5.74
H 5B/12-10	3/4" BSPP	5/8" BSPP	£5.74
H 5B/12	3/4" BSPP	3/4" BSPP	£5.47
H 5B/12-16	3/4" BSPP	1" BSPP	£12.80
H 5B/12-20	3/4" BSPP	1 1/4" BSPP	£35.43
H 5B/16-12	1" BSPP	3/4" BSPP	£10.85
H 5B/16	1" BSPP	1" BSPP	£10.85
H 5B/16-20	1" BSPP	1 1/4" BSPP	£33.97
H 5B/16-24	1" BSPP	1 1/2" BSPP	£36.06

**NPTF MALE / 60° CONED  
BSPP FEMALE  
SWIVEL ADAPTOR**



8010

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
H BH11876	1/4" NPTF	1/4" BSPP	£4.49
H BH11873	1/4" NPTF	3/8" BSPP	£4.53
H BH11885	3/8" NPTF	1/4" BSPP	£4.53
H BH11877	3/8" NPTF	3/8" BSPP	£4.53
H BH11884	3/8" NPTF	1/2" BSPP	£6.22
H BH11874	1/2" NPTF	3/8" BSPP	£6.22
H BH11878	1/2" NPTF	1/2" BSPP	£6.22
H BH11879	1/2" NPTF	3/4" BSPP	£11.20
H BH11880	3/4" NPTF	1/2" BSPP	£9.16
H BH11881	3/4" NPTF	3/4" BSPP	£9.16
H BH11882	1" NPTF	3/4" BSPP	£13.47
H BH11883	1" NPTF	1" BSPP	£12.67

**STRAIGHT ADAPTOR  
BSPP MALE 60° CONE / BSPP  
FIXED FEMALE BUSH**



8010

PART NUMBER	THREAD	THREAD	PRICE
H BH16167	3/8" BSPP	1/8" BSPP	£4.49
H BH16166	1/2" BSPP	1/8" BSPP	£4.49
H BH16150	1/2" BSPP	1/4" BSPP	£3.51
H BH16151	5/8" BSPP	1/4" BSPP	£4.62
H BH16152	3/4" BSPP	1/4" BSPP	£4.94
H BH16153	3/4" BSPP	3/8" BSPP	£4.94
H BH16156	1" BSPP	1/4" BSPP	£8.54
H BH16168	1" BSPP	3/8" BSPP	£8.05
H BH16157	1" BSPP	1/2" BSPP	£8.05
H BH16147	1 1/4" BSPP	1/2" BSPP	£18.81
H BH16158	1 1/4" BSPP	3/4" BSPP	£18.81
H BH16162	1 1/4" BSPP	1" BSPP	£18.81
H BH16529	1 1/2" BSPP	1/4" BSPP	£53.53
H BH16149	1 1/2" BSPP	1/2" BSPP	£32.77
H BH16159	1 1/2" BSPP	3/4" BSPP	£32.77
H BH16160	1 1/2" BSPP	1" BSPP	£32.77
H BH16527	2" BSPP	1/4" BSPP	£41.30
H BH16528	2" BSPP	3/8" BSPP	£41.30
H BH16146	2" BSPP	1/2" BSPP	£41.30
H BH16526	2" BSPP	3/4" BSPP	£41.30
H BH16161	2" BSPP	1" BSPP	£41.30
H BH16164	2" BSPP	1 1/4" BSPP	£41.30
H BH16163	2" BSPP	1 1/2" BSPP	£41.30

**METRIC MALE / BSPP FEMALE  
REDUCING BUSH**



8010

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
H BH17450	16 mm	1/8" BSPP	£9.96
H BH17454	18 mm	1/4" BSPP	£10.40
H BH17462	20 mm	1/4" BSPP	£10.85
H BH17463	22 mm	1/8" BSPP	£10.85
H BH17451	22 mm	1/4" BSPP	£10.85
H BH17452	22 mm	3/8" BSPP	£10.85

## HYDRAULIC ADAPTORS – MALE / FEMALE

Five

**STRAIGHT ADAPTOR**  
BSPP MALE /  
ORFS SWIVEL FEMALE



8010

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
H BH96400	1/4" BSPP	9/16" ORFS	£5.74
H BH96410	1/4" BSPP	11/16" ORFS	£5.74
H BH96420	3/8" BSPP	9/16" ORFS	£6.22
H BH96430	3/8" BSPP	11/16" ORFS	£6.58
H BH96440	3/8" BSPP	13/16" ORFS	£6.80
H BH96450	1/2" BSPP	13/16" ORFS	£8.36
H BH96460	1/2" BSPP	1" ORFS	£8.36
H BH96470	3/4" BSPP	1 3/16" ORFS	£11.38
H BH96480	3/4" BSPP	1 7/16" ORFS	£12.40
H BH96490	1" BSPP	1 7/16" ORFS	£18.67
H BH96510	1" BSPP	1 11/16" ORFS	£29.08
H BH96500	1 1/4" BSPP	1 11/16" ORFS	£29.08

New

**STRAIGHT ADAPTOR**  
BSPT MALE /  
BSPP SWIVEL FEMALE



8010

PART NUMBER	THREAD	THREAD	PRICE
H 2TB/02	1/8" BSPT	1/8" BSPP	£4.49
H 2TB/04	1/4" BSPT	1/4" BSPP	£4.49
H 2TB/06	3/8" BSPT	3/8" BSPP	£4.54
H 2TB/06-08	3/8" BSPT	1/2" BSPP	£6.22
H 2TB/08-06	1/2" BSPT	3/8" BSPP	£6.22
H 2TB/08	1/2" BSPT	1/2" BSPP	£6.22
H 2TB/10	5/8" BSPT	5/8" BSPP	£8.05
H 2TB/12-08	3/4" BSPT	1/2" BSPP	£9.16
H 2TB/12	3/4" BSPT	3/4" BSPP	£9.16
H 2TB/12-16	3/4" BSPT	1" BSPP	£13.47
H 2TB/16-12	1" BSPT	3/4" BSPP	£13.47
H 2TB/16	1" BSPT	1" BSPP	£12.67
H 2TB/20	1 1/4" BSPT	1 1/4" BSPP	£33.61
H 2TB/24	1 1/2" BSPT	1 1/2" BSPP	£55.13
H 2TB/32	2" BSPT	2" BSPP	£72.07

## HYDRAULIC ADAPTORS – FEMALE / FEMALE

New

**STRAIGHT ADAPTOR**  
BSPP SWIVEL FEMALE /  
JIC SWIVEL FEMALE



8010

PART NUMBER	THREAD	THREAD	PRICE
H 3BJ/04	1/4" BSP	7/16" JIC	£5.47
H 3BJ/04-05	1/4" BSP	1/2" JIC	£5.47
H 3BJ/04-06	1/4" BSP	9/16" JIC	£5.47
H 3BJ/06	3/8" BSP	7/16" JIC	£5.74
H 3BJ/06-05	3/8" BSP	1/2" JIC	£5.74
H 3BJ/06-08	3/8" BSP	3/4" JIC	£5.69
H 3BJ/06-10	3/8" BSP	7/8" JIC	£6.58
H 3BJ/08-06	1/2" BSP	9/16" JIC	£6.09
H 3BJ/08	1/2" BSP	3/4" JIC	£6.09
H 3BJ/08-10	1/2" BSP	7/8" JIC	£6.58
H 3BJ/08-12	1/2" BSP	1 1/16" JIC	£13.69
H 3BJ/10	5/8" BSP	7/8" JIC	£6.58
H 3BJ/12-08	3/4" BSP	3/4" JIC	£8.09
H 3BJ/12	3/4" BSP	1 1/16" JIC	£13.69
H 3BJ/12-14	3/4" BSP	1 3/16" JIC	£15.25
H 3BJ/12-16	3/4" BSP	1 5/16" JIC	£17.83
H 3BJ/16-12	1" BSP	1 1/16" JIC	£17.83
H 3BJ/16	1" BSP	1 5/16" JIC	£16.81
H 3BJ/20-16	1 1/4" BSP	1 5/16" JIC	£27.39
H 3BJ/20-24	1 1/4" BSP	1 5/8" JIC	£27.39
H 3BJ/24	1 1/2" BSP	1 7/8" JIC	£45.44

New

**STRAIGHT ADAPTOR**  
JIC SWIVEL FEMALE



8010

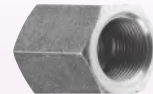
PART NUMBER	THREAD	THREAD	PRICE
H 3J/04	7/16" JIC	7/16" JIC	£5.47
H 3J/04-06	7/16" JIC	9/16" JIC	£5.51
H 3J/04-08	7/16" JIC	3/4" JIC	£6.89
H 3J/05	1/2" JIC	1/2" JIC	£5.47
H 3J/05-06	1/2" JIC	9/16" JIC	£5.51
H 3J/06	9/16" JIC	9/16" JIC	£5.51
H 3J/06-08	9/16" JIC	3/4" JIC	£5.74
H 3J/08	3/4" JIC	3/4" JIC	£5.74
H 3J/10	7/8" JIC	7/8" JIC	£6.89
H 3J/10-12	7/8" JIC	1 1/16" JIC	£13.69
H 3J/12	1 1/16" JIC	1 1/16" JIC	£13.69
H 3J/12-16	1 1/16" JIC	1 5/16" JIC	£16.81
H 3J/14	1 3/16" JIC	1 3/16" JIC	£14.89
H 3J/16	1 5/16" JIC	1 5/16" JIC	£16.81
H 3J/20	1 5/8" JIC	1 5/8" JIC	£34.90



## STRAIGHT ADAPTOR BSPP SWIVEL FEMALE

8010

PART NUMBER	THREAD	THREAD	PRICE
H 3B/04	1/4" BSPP	1/4" BSPP	£3.07
H 3B/04-06	1/4" BSPP	3/8" BSPP	£3.20
H 3B/04-08	1/4" BSPP	1/2" BSPP	£4.58
H 3B/06	3/8" BSPP	3/8" BSPP	£3.20
H 3B/06-08	3/8" BSPP	1/2" BSPP	£4.49
H 3B/08	1/2" BSPP	1/2" BSPP	£4.49
H 3B/08-12	1/2" BSPP	3/4" BSPP	£7.78
H 3B/10	5/8" BSPP	5/8" BSPP	£5.51
H 3B/12	3/4" BSPP	3/4" BSPP	£7.07
H 3B/12-16	3/4" BSPP	1" BSPP	£10.14
H 3B/16	1" BSPP	1" BSPP	£10.14
H 3B/20	1 1/4" BSPP	1 1/4" BSPP	£20.58
H 3B/24	1 1/2" BSPP	1 1/2" BSPP	£36.06
H 3B/32	2" BSPP	2" BSPP	£67.89



## STRAIGHT ADAPTOR BSPP FIXED FEMALE

8010

PART NUMBER	THREAD	THREAD	PRICE
H 7B/02	1/8" BSPP	1/8" BSPP	£3.51
H 7B/04	1/4" BSPP	1/4" BSPP	£2.67
H 7B/06	3/8" BSPP	3/8" BSPP	£3.07
H 7B/08	1/2" BSPP	1/2" BSPP	£3.16
H 7B/10	5/8" BSPP	5/8" BSPP	£4.49
H 7B/12	3/4" BSPP	3/4" BSPP	£6.49
H 7B/16	1" BSPP	1" BSPP	£10.85
H 7B/20	1 1/4" BSPP	1 1/4" BSPP	£20.58
H 7B/24	1 1/2" BSPP	1 1/2" BSPP	£32.99
H 7B/32	2" BSPP	2" BSPP	£54.11

## EQUAL SWIVEL FEMALE METRIC X METRIC



8010

PART NUMBER	THREAD	THREAD	PRICE
H BH01775	12 mm	12 mm	£10.76
H BH01785	12 mm	14 mm	£12.27
H BH01776	14 mm	14 mm	£9.96
H BH01777	16 mm	16 mm	£10.40
H BH01782	16 mm	18 mm	£11.60
H BH01778	18 mm	18 mm	£11.60
H BH01783	18 mm	20 mm	£12.09
H BH01784	20 mm	22 mm	£12.76
H BH01781	22 mm	22 mm	£12.76

## FIXED METRIC FEMALE ADAPTOR



8010

PART NUMBER	THREAD	PRICE
H 7M1010	10 mm	£9.34
H 7M1212	12 mm	£9.34
H 7M1414	14 mm	£5.29
H 7M1616	16 mm	£5.56
H 7M1818	18 mm	£6.49
H 7M2020	20 mm	£7.16
H 7M2222	22 mm	£8.89

## EQUAL BLOCK TEE BSPP FEMALE

New



8010

PART NUMBER	THREAD	PRICE
H Z19B/04	1/4" BSPP	£13.29
H Z19B/06	3/8" BSPP	£16.81
H Z19B/08	1/2" BSPP	£17.47
H Z19B/10	5/8" BSPP	£23.61
H Z19B/12	3/4" BSPP	£25.16
H Z19B/16	1" BSPP	£37.08
H Z19B/20	1 1/4" BSPP	£80.25
H Z19B/24	1 1/2" BSPP	£253.11
H Z19B/32	2" BSPP	£291.52

## NPT FIXED FEMALE ADAPTOR



8010

PART NUMBER	THREAD	PRICE
H 7N02	1/8"	£8.40
H 7N04	1/4"	£9.43
H 7N06	3/8"	£10.31
H 7N08	1/2"	£19.56
H 7N12	3/4"	£26.54
H 7N16	1"	£32.37

## STRAIGHT REDUCING ADAPTOR BSPP FIXED FEMALE / BSPP FIXED FEMALE REDUCING



8010

PART NUMBER	THREAD	THREAD	PRICE
H 7B/02-04	1/8" BSPP	1/4" BSPP	£5.02
H 7B/04-06	1/4" BSPP	3/8" BSPP	£5.29
H 7B/04-08	1/4" BSPP	1/2" BSPP	£5.74
H 7B/06-08	3/8" BSPP	1/2" BSPP	£5.74
H 7B/06-12	3/8" BSPP	3/4" BSPP	£9.20
H 7B/08-12	1/2" BSPP	3/4" BSPP	£9.20
H 7B/08-16	1/2" BSPP	1" BSPP	£14.09
H 7B/12-16	3/4" BSPP	1" BSPP	£14.09
H 7B/16-20	1" BSPP	1 1/4" BSPP	£24.32
H 7B/16-24	1" BSPP	1 1/2" BSPP	£34.55
H 7B/20-24	1 1/4" BSPP	1 1/2" BSPP	£34.55
H 7B/24-32	1 1/2" BSPP	2" BSPP	£56.02





8010

**90° COMPACT ELBOW  
BSPP MALE 60° CONE**

PART NUMBER	THREAD	THREAD	PRICE
H X10B/04	1/4" BSPP	1/4" BSPP	£6.40
H X10B/0406	1/4" BSPP	3/8" BSPP	£8.94
H X10B/06	3/8" BSPP	3/8" BSPP	£8.94
H X10B/0608	3/8" BSPP	1/2" BSPP	£9.96
H X10B/08	1/2" BSPP	1/2" BSPP	£10.14
H X10B/0812	1/2" BSPP	3/4" BSPP	£15.03
H X10B/10	5/8" BSPP	5/8" BSPP	£11.60
H X10B/12	3/4" BSPP	3/4" BSPP	£15.03
H X10B/16	1" BSPP	1" BSPP	£23.74



8010

**FORGED  
90° COMPACT ELBOW  
JIC MALE 74° CONE /  
JIC SWIVEL FEMALE 74° FLARE**

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
H X11J/04	7/16" JIC	7/16" JIC	£10.14
H X11J/05	1/2" JIC	1/2" JIC	£10.67
H X11J/06	9/16" JIC	9/16" JIC	£11.12
H X11J/08	3/4" JIC	3/4" JIC	£13.96
H X11J/10	7/8" JIC	7/8" JIC	£18.23
H X11J/12	1 1/16" JIC	1 1/16" JIC	£23.74
H X11J/14	1 3/16" JIC	1 3/16" JIC	£36.15
H X11J/16	1 5/16" JIC	1 5/16" JIC	£42.99
H X11J/20	1 5/8" JIC	1 5/8" JIC	£56.15
H X11J/24	1 7/8" JIC	1 7/8" JIC	£123.33
H X11J/32	2 1/2" JIC	2 1/2" JIC	£157.12



8010

**90° COMPACT ELBOW  
BSPP MALE X BSPT MALE**

PART NUMBER	THREAD	THREAD	PRICE
H BH03069	1/8" BSPP	1/8" BSPT	£10.14
H BH03073	1/4" BSPP	1/8" BSPT	£10.14
H BH03070	1/4" BSPP	1/4" BSPT	£10.14
H BH03079	1/4" BSPP	3/8" BSPT	£11.60
H BH03071	3/8" BSPP	3/8" BSPT	£11.60
H BH03077	1/2" BSPP	3/8" BSPT	£13.69
H BH03072	1/2" BSPP	1/2" BSPT	£13.69
H BH03074	3/4" BSPP	3/4" BSPT	£20.45
H BH03078	3/4" BSPP	1" BSPT	£28.41
H BH03067	1" BSPP	3/4" BSPT	£28.41
H BH03075	1" BSPP	1" BSPT	£28.41
H BH03082	1 1/4" BSPP	1 1/4" BSPT	£63.67
H BH03068	1 1/2" BSPP	1 1/2" BSPT	£105.50
H BH03076	2" BSPP	2" BSPT	£180.42



8010

**90° COMPACT ELBOW  
BSPP SWIVEL FEMALE**

PART NUMBER	THREAD	PRICE
H X20B/04	1/4" BSPP	£9.96
H X20B/06	3/8" BSPP	£10.14
H X20B/08	1/2" BSPP	£13.69
H X20B/12	3/4" BSPP	£19.38
H X20B/16	1" BSPP	£23.74
H X20B/20	1 1/4" BSPP	£55.04
H X20B/24	1 1/2" BSPP	£122.40
H X20B/32	2" BSPP	£172.10

**New**  
Additions



8010

**90° COMPACT ELBOW  
BSPP MALE / BSPP  
FEMALE 60° CONE**

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
H X11B/04	1/4" BSPP	1/4" BSPP	£7.60
H X11B/06	3/8" BSPP	3/8" BSPP	£10.85
H X11B/08	1/2" BSPP	1/2" BSPP	£11.60
H X11B/10	5/8" BSPP	5/8" BSPP	£15.25
H X11B/12	3/4" BSPP	3/4" BSPP	£18.85
H X11B/16	1" BSPP	1" BSPP	£27.73
H X11B/20	1 1/4" BSPP	1 1/4" BSPP	£53.44
H X11B/24	1 1/2" BSPP	1 1/2" BSPP	£105.52
H X11B/32	2" BSPP	2" BSPP	£139.74

**New**



8010

**90° COMPACT ELBOW  
JIC MALE**

PART NUMBER	THREAD	PRICE
H X10J/04	7/16" JIC	£7.38
H X10J/05	1/2" JIC	£7.38
H X10J/06	9/16" JIC	£8.09
H X10J/08	3/4" JIC	£11.29
H X10J/10	7/8" JIC	£11.92
H X10J/12	1 1/16" JIC	£14.00
H X10J/14	1 3/16" JIC	£20.45
H X10J/16	1 5/16" JIC	£27.65
H X10J/20	1 5/8" JIC	£54.91
H X10J/24	1 7/8" JIC	£87.54

**FORGED  
45° COMPACT ELBOW  
BSPP MALE CONE SEAT  
/ BSPP SWIVEL FEMALE**



8010

PART NUMBER	THREAD	THREAD	PRICE
H BH 05000/45	1/4" BSPP	1/4" BSPP	£8.09
H BH 05001/45	3/8" BSPP	3/8" BSPP	£9.65
H BH 05002/45	1/2" BSPP	1/2" BSPP	£12.09
H BH 05004/45	3/4" BSPP	3/4" BSPP	£18.41
H BH 05005/45	1" BSPP	1" BSPP	£25.44

New

**90° SWEPT ELBOW  
BSPP FEMALE /  
BSPP SWIVEL FEMALE**



8010

PART NUMBER	THREAD	PRICE
H 3B90/04	1/4" BSPP	£7.82
H 3B90/06	3/8" BSPP	£7.14
H 3B90/08	1/2" BSPP	£12.09
H 3B90/10	5/8" BSPP	£15.74
H 3B90/12	3/4" BSPP	£18.75
H 3B90/16	1" BSPP	£30.57
H 3B90/20	1 1/4" BSPP	£45.75
H 3B90/24	1 1/2" BSPP	£110.08
H 3B90/32	2" BSPP	£159.57

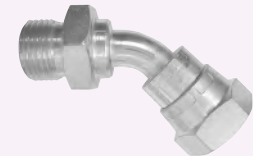
**FORGED  
45° COMPACT ELBOW  
JIC MALE 74° CONE /  
JIC SWIVEL FEMALE 74° FLARE**



8010

PART NUMBER	THREAD	THREAD	PRICE
H BH 05050/45	7/16" JIC	7/16" JIC	£10.45
H BH 05052/45	9/16" JIC	9/16" JIC	£11.60
H BH 05053/45	3/4" JIC	3/4" JIC	£14.36
H BH 05054/45	7/8" JIC	7/8" JIC	£18.90
H BH 05055/45	1 1/16" JIC	1 1/16" JIC	£24.28
H BH 05056/45	1 5/16" JIC	1 5/16" JIC	£43.57
H BH 05058/45	1 5/8" JIC	1 5/8" JIC	£72.07
H BH 05059/45	1 7/8" JIC	1 7/8" JIC	£122.98

**135° SWEPT ELBOW  
BSPP MALE /  
BSPP SWIVEL FEMALE**



8010

PART NUMBER	THREAD	PRICE
H 2B45/04	1/4" BSPP	£7.82
H 2B45/06	3/8" BSPP	£9.47
H 2B45/08	1/2" BSPP	£11.60
H 2B45/10	5/8" BSPP	£15.74
H 2B45/12	3/4" BSPP	£17.96
H 2B45/16	1" BSPP	£29.25
H 2B45/20	1 1/4" BSPP	£45.75
H 2B45/24	1 1/2" BSPP	£110.08
H 2B45/32	2" BSPP	£159.57

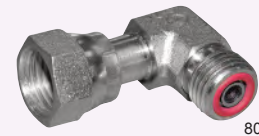
**90° SWEPT ELBOW  
BSPP MALE /  
BSPP SWIVEL FEMALE**



8010

PART NUMBER	THREAD	PRICE
H 2B90/04	1/4" BSPP	£7.82
H 2B90/06	3/8" BSPP	£9.47
H 2B90/08	1/2" BSPP	£11.60
H 2B90/10	5/8" BSPP	£15.74
H 2B90/12	3/4" BSPP	£17.96
H 2B90/16	1" BSPP	£29.25
H 2B90/20	1 1/4" BSPP	£45.75
H 2B90/24	1 1/2" BSPP	£110.08
H 2B90/32	2" BSPP	£159.57

**90° COMPACT ELBOW  
ORFS MALE /  
ORFS SWIVEL FEMALE**



8010

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
H BH9506-04-04	9/16" ORFS	9/16" ORFS	£11.12
H BH9506-06-06	11/16" ORFS	11/16" ORFS	£13.96



**TEE**  
BSPP MALE 60° CONE

8010

PART NUMBER	THREAD	PRICE
H Z10B/04	1/4" BSPP	£8.05
H Z10B/06	3/8" BSPP	£10.40
H Z10B/08	1/2" BSPP	£13.03
H Z10B/12	3/4" BSPP	£17.92
H Z10B/16	1" BSPP	£31.21

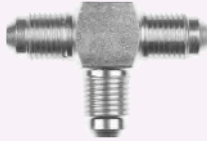


New

**FORGED TEE**  
JIC MALE / JIC MALE / SWIVEL FEMALE

8010

PART NUMBER	THREAD	PRICE
H Z11J/04	7/16" JIC	£12.00
H Z11J/06	9/16" JIC	£12.27
H Z11J/08	3/4" JIC	£15.16
H Z11J/12	1 1/16" JIC	£36.10



**FORGED TEE**  
JIC MALE 74° CONE

8010

PART NUMBER	THREAD	PRICE
H Z20J/04	7/16" JIC	£10.40
H Z20J/05	1/2" JIC	£10.40
H Z20J/06	9/16" JIC	£11.12
H Z20J/08	3/4" JIC	£13.87
H Z20J/10	7/8" JIC	£18.45
H Z20J/12	1 1/16" JIC	£21.61
H Z20J/14	1 3/16" JIC	£25.03
H Z20J/16	1 5/16" JIC	£29.25
H Z20J/20	1 5/8" JIC	£70.60
H Z20J/24	1 7/8" JIC	£89.23
H Z20J/32	2 1/2" JIC	£149.12



New Additions

**TEE**  
BSPP SWIVEL FEMALE 60° CONE

8010

PART NUMBER	THREAD	PRICE
H Z12B/02	1/8" BSPP	£9.69
H Z12B/04	1/4" BSPP	£10.18
H Z12B/06	3/8" BSPP	£11.34
H Z12B/08	1/2" BSPP	£13.56
H Z12B/12	3/4" BSPP	£21.43
H Z12B/16	1" BSPP	£29.21
H Z12B/20	1 1/4" BSPP	£80.25
H Z12B/24	1 1/2" BSPP	£140.14
H Z12B/32	2" BSPP	£181.75



New

**TEE**  
JIC SWIVEL FEMALE

8010

PART NUMBER	THREAD	PRICE
H Z19J/04	7/16" JIC	£12.40
H Z19J/05	1/2" JIC	£13.03
H Z19J/06	9/16" JIC	£13.56
H Z19J/08	3/4" JIC	£15.56
H Z19J/10	7/8" JIC	£20.72
H Z19J/12	1 1/16" JIC	£34.28
H Z19J/14	1 3/16" JIC	£40.55
H Z19J/16	1 5/16" JIC	£50.02
H Z19J/20	1 5/8" JIC	£87.54
H Z19J/24	1 7/8" JIC	£158.28



New Additions

**FEMALE BRANCH TEE**  
BSPP MALE / BSPP  
SWIVEL FEMALE 60° CONE

8010

PART NUMBER	THREAD	PRICE
H Z11B/04	1/4" BSPP	£10.18
H Z11B/06	3/8" BSPP	£11.34
H Z11B/08	1/2" BSPP	£13.38
H Z11B/12	3/4" BSPP	£21.16
H Z11B/16	1" BSPP	£28.94
H Z11B/20	1 1/4" BSPP	£71.45
H Z11B/24	1 1/2" BSPP	£97.15
H Z11B/32	2" BSPP	£241.51



New

**TEE**  
JIC MALE / SWIVEL FEMALE

8010

PART NUMBER	THREAD	PRICE
H Z21J/04	7/16" JIC	£12.89
H Z21J/05	1/2" JIC	£12.89
H Z21J/06	9/16" JIC	£12.89
H Z21J/08	3/4" JIC	£15.92
H Z21J/10	7/8" JIC	£20.50
H Z21J/12	1 1/16" JIC	£35.62
H Z21J/16	1 5/16" JIC	£55.04
H Z21J/20	1 5/8" JIC	£114.71



New Additions

**MALE BRANCH TEE**  
BSPP MALE / BSPP  
SWIVEL FEMALE

8010

PART NUMBER	THREAD	PRICE
H Z21B/04	1/4" BSPP	£12.76
H Z21B/06	3/8" BSPP	£14.14
H Z21B/08	1/2" BSPP	£17.29
H Z21B/12	3/4" BSPP	£28.14
H Z21B/16	1" BSPP	£34.32
H Z21B/20	1 1/4" BSPP	£71.45
H Z21B/24	1 1/2" BSPP	£122.00
H Z21B/32	2" BSPP	£241.51

## HYDRAULIC ADAPTORS – TEES

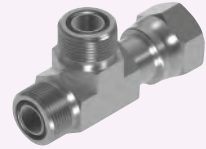
### TEE ORFS MALE O-RING FACE SEALS



8010

PART NUMBER	THREAD	PRICE
H BH9705-04-04-04	9/16" ORFS	£11.16
H BH9705-06-06-06	11/16" ORFS	£12.54
H BH9705-08-08-08	13/16" ORFS	£15.47
H BH9705-10-10-10	1" ORFS	£15.92
H BH9705-12-12-12	1 3/16" ORFS	£27.70
H BH9705-16-16-16	1 7/16" ORFS	£36.32

### MALE BRANCH TEE ORFS MALE / ORFS SWIVEL FEMALE



8010

PART NUMBER	THREAD	PRICE
H BH9706-04-04-04	9/16" ORFS	£12.89
H BH9706-06-06-06	11/16" ORFS	£15.92
H BH9706-08-08-08	13/16" ORFS	£19.43
H BH9706-10-10-10	1" ORFS	£28.59
H BH9706-12-12-12	1 3/16" ORFS	£37.92
H BH9706-16-16-16	1 7/16" ORFS	£55.04
H BH9706-20-20-20	1 11/16" ORFS	£77.18
H BH9706-24-24-24	2" ORFS	£148.85

### FEMALE BRANCH TEE ORFS MALE / ORFS SWIVEL FEMALE



8010

PART NUMBER	THREAD	PRICE
H BH9707-04-04-04	9/16" ORFS	£12.89
H BH9707-06-06-06	11/16" ORFS	£15.92
H BH9707-08-08-08	13/16" ORFS	£19.43
H BH9707-10-10-10	1" ORFS	£28.59
H BH9707-12-12-12	1 3/16" ORFS	£37.92
H BH9707-16-16-16	1 7/16" ORFS	£55.04
H BH9707-20-20-20	1 11/16" ORFS	£66.78
H BH9707-24-24-24	2" ORFS	£148.85

Supplied without caps.

## HYDRAULIC ADAPTORS – CAPS

### BLANKING CAP BSPP SWIVEL FEMALE 60° CONE



8010

PART NUMBER	THREAD	PRICE
H CB/02	1/8" BSPP	£3.07
H CB/04	1/4" BSPP	£2.80
H CB/06	3/8" BSPP	£3.07
H CB/08	1/2" BSPP	£3.29
H CB/12	3/4" BSPP	£5.34
H CB/16	1" BSPP	£8.05
H CB/20	1 1/4" BSPP	£13.34
H CB/24	1 1/2" BSPP	£21.65
H CB/32	2" BSPP	£43.70

### SWIVEL BLANKING CAP JIC MALE 74° FLARE



8010

PART NUMBER	THREAD	PRICE
H CJ/04	7/16" JIC	£3.16
H CJ/05	1/2" JIC	£3.29
H CJ/06	9/16" JIC	£3.51
H CJ/08	3/4" JIC	£4.13
H CJ/10	7/8" JIC	£5.47
H CJ/12	1 1/16" JIC	£7.82
H CJ/14	1 3/16" JIC	£9.20
H CJ/16	1 5/16" JIC	£10.14
H CJ/20	1 5/8" JIC	£14.00
H CJ/24	1 7/8" JIC	£21.96
H CJ/32	2 1/2" JIC	£50.20

### BLANKING CAP ORFS MALE



8010

PART NUMBER	THREAD	PRICE
H BH9129-04	9/16" ORFS	£3.29
H BH9129-06	11/16" ORFS	£3.78
H BH9129-08	13/16" ORFS	£4.98
H BH9129-10	1" ORFS	£6.40
H BH9129-12	1 3/16" ORFS	£9.34
H BH9129-16	1 7/16" ORFS	£12.00
H BH9129-20	1 11/16" ORFS	£15.47
H BH9129-24	2" ORFS	£21.03



**SOLID PLUG  
BSPT MALE**

8010

PART NUMBER	THREAD	PRICE
H 4T/02	1/8" BSPT	£1.51
H 4T/04	1/4" BSPT	£1.69
H 4T/06	3/8" BSPT	£2.13
H 4T/08	1/2" BSPT	£2.18
H 4T/12	3/4" BSPT	£3.60
H 4T/16	1" BSPT	£5.47
H 4T/20	1 1/4" BSPT	£12.32
H 4T/24	1 1/2" BSPT	£17.16
H 4T/32	2" BSPT	£28.59

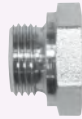


**SOLID PLUG  
JIC MALE 74° CONE**

8010

PART NUMBER	THREAD	PRICE
H 4J/04	7/16" JIC	£2.18
H 4J/05	1/2" JIC	£2.22
H 4J/06	9/16" JIC	£2.67
H 4J/08	3/4" JIC	£2.80
H 4J/10	7/8" JIC	£3.11
H 4J/12	1 1/16" JIC	£4.58
H 4J/14	1 3/16" JIC	£6.22
H 4J/16	1 5/16" JIC	£9.16
H 4J/20	1 5/8" JIC	£14.98
H 4J/24	1 7/8" JIC	£19.47
H 4J/32	2 1/2" JIC	£32.01

Five



**SOLID PLUG  
METRIC X 1.5 MM PITCH**

8010

PART NUMBER	THREAD	THREAD	PRICE
H 6M10	10 mm	1.5 mm	£1.69
H 6M12	12 mm	1.5 mm	£1.78
H 6M14	14 mm	1.5 mm	£2.00
H 6M16	16 mm	1.5 mm	£2.18
H 6M18	18 mm	1.5 mm	£2.53
H 6M20	20 mm	1.5 mm	£3.11
H 6M22	22 mm	1.5 mm	£3.11



**PLUG  
BSPP MALE 60° CONE**

8010

PART NUMBER	THREAD	PRICE
H 4B/02	1/8" BSPP	£1.42
H 4B/04	1/4" BSPP	£1.51
H 4B/06	3/8" BSPP	£2.00
H 4B/08	1/2" BSPP	£2.18
H 4B/12	3/4" BSPP	£3.51
H 4B/16	1" BSPP	£5.29
H 4B/20	1 1/4" BSPP	£11.78
H 4B/24	1 1/2" BSPP	£16.49
H 4B/32	2" BSPP	£25.39



**SOLID PLUG  
NPTF MALE**

8010

PART NUMBER	THREAD	PRICE
H 4N/02	1/8" NPTF	£1.51
H 4N/04	1/4" NPTF	£1.51
H 4N/06	3/8" NPTF	£1.87
H 4N/08	1/2" NPTF	£2.40
H 4N/12	3/4" NPTF	£4.45
H 4N/16	1" NPTF	£7.16
H 4N/20	1 1/4" NPTF	£14.89
H 4N/24	1 1/2" NPTF	£20.58
H 4N/32	2" NPTF	£31.48



**PLUG  
ORFS MALE O-RING FACE SEAL**

8010

PART NUMBER	THREAD	PRICE
H BH96000	9/16" ORFS	£3.91
H BH96001	11/16" ORFS	£4.94
H BH96002	13/16" ORFS	£5.60
H BH96003	1" ORFS	£6.76
H BH96004	1 3/16" ORFS	£8.23
H BH96005	1 7/16" ORFS	£10.14
H BH96006	1 11/16" ORFS	£11.16

## STAINLESS STEEL CONVOLUTED HOSE

The Powerforce range consisting of the 1000 series and 2000 series is a range of high performance engineered flexible stainless steel hoses, with an optional stainless steel protective braid.

The advantage of metallic hoses over other materials are their capability to withstand higher temperatures, impacts and corrosive substances and atmospheres. Corrugated Stainless Steel hoses are seamless, making them ideal for the conveyance of liquids and gases under pressure.

This range is available either 'core only' or with single or double braiding for greater endurance against pressure, vibration and abrasive attack.

The Powerforce range is most commonly used for different oils and gases of different pressures and temperatures.

## POWERFORCE 1000

The Powerforce 1000 series is a very flexible medium pressure hose. It comes with 321 stainless steel core with 304 stainless steel braid as standard. The high quality makes it perfect for use in almost all low to medium pressure assemblies.

1000 series is currently only available in single braid at the specified pressures. Please see series 2000 for higher pressure hose requirements.

### Benefits:-

- High Quality
- Competitively Priced

Temperature range:-

Up to 700°C for stainless steel ends  
Up to 400°C for mild steel ends

## POWERFORCE 2000

Stainless Steel Annular Convoluted Hose. Powerforce 2000 series is a closer pitch hose with a higher degree of flexibility than our Powerforce 1000 series. It's higher flexibility and working pressure make it perfect for almost all applications. As our most popular hose, Powerforce 2000 is most commonly supplied.

Single or double layers of stainless steel braid prevent elongation of the convoluted hose. They also increase the working pressures that the hose can accommodate.

### Benefits:-

- High Quality
- Rigorously Tested
- High Working Pressures
- Extremely Popular

Temperature range:-

Up to 700°C for stainless steel ends  
Up to 400°C for mild steel ends

## POWERFORCE 1000 – METALLIC FLEXIBLE HOSE ASSEMBLIES

### DESCRIPTION

The Powerforce 1000 series is a very flexible medium pressure hose. It comes with 321 stainless steel core with 304 stainless steel braid as standard. The high quality makes it perfect for use in almost all low to medium pressure assemblies.

1000 series is currently only available in single braid at the specified pressures. Please see series 2000 and 3000 for higher pressure hose requirements.

### BENEFITS

- High Quality
- Competitively Priced

### TEMPERATURE RANGE





Stainless steel end fittings	up to 700°C
Mild steel end fittings	up to 400°C

Five







### New STAINLESS STEEL CONVOLUTED HOSE STAINLESS STEEL ENDS, BSPP FEMALE

7505

PART NUMBER					PRICE
CVPF1-14-300-SS	1/4	0.3	100	124	£48.20
CVPF1-14-500-SS	1/4	0.5	100	124	£49.94
CVPF1-14-700-SS	1/4	0.7	100	124	£51.69
CVPF1-14-1000-SS	1/4	1.0	100	124	£54.35
CVPF1-14-1500-SS	1/4	1.5	100	124	£58.74
CVPF1-14-2000-SS	1/4	2.0	100	124	£63.15
CVPF1-38-300-SS	3/8	0.3	68	125	£58.22
CVPF1-38-500-SS	3/8	0.5	68	125	£60.12
CVPF1-38-700-SS	3/8	0.7	68	125	£62.01
CVPF1-38-1000-SS	3/8	1.0	68	125	£64.82
CVPF1-38-1500-SS	3/8	1.5	68	125	£69.53
CVPF1-38-2000-SS	3/8	2.0	68	125	£74.24
CVPF1-12-300-SS	1/2	0.3	60	125	£48.65
CVPF1-12-500-SS	1/2	0.5	60	125	£50.70
CVPF1-12-700-SS	1/2	0.7	60	125	£52.76
CVPF1-12-1000-SS	1/2	1.0	60	125	£55.79
CVPF1-12-1500-SS	1/2	1.5	60	125	£60.87
CVPF1-12-2000-SS	1/2	2.0	60	125	£66.03
CVPF1-34-300-SS	3/4	0.3	38	150	£70.29
CVPF1-34-500-SS	3/4	0.5	38	150	£74.69
CVPF1-34-700-SS	3/4	0.7	38	150	£79.10
CVPF1-34-1000-SS	3/4	1.0	38	150	£85.77
CVPF1-34-1500-SS	3/4	1.5	38	150	£96.86
CVPF1-34-2000-SS	3/4	2.0	38	150	£107.93
CVPF1-1-300-SS	1	0.3	32	175	£94.19
CVPF1-1-500-SS	1	0.5	32	175	£99.74
CVPF1-1-700-SS	1	0.7	32	175	£102.62
CVPF1-1-1000-SS	1	1.0	32	175	£113.55
CVPF1-1-1500-SS	1	1.5	32	175	£127.37
CVPF1-1-2000-SS	1	2.0	32	175	£141.18
CVPF1-114-300-SS	1 1/4	0.3	38	200	£241.20
CVPF1-114-500-SS	1 1/4	0.5	38	200	£250.10
CVPF1-114-700-SS	1 1/4	0.7	38	200	£258.90
CVPF1-114-1000-SS	1 1/4	1.0	38	200	£272.10
CVPF1-114-1500-SS	1 1/4	1.5	38	200	£294.20
CVPF1-114-2000-SS	1 1/4	2.0	38	200	£316.20
CVPF1-112-300-SS	1 1/2	0.3	25	250	£230.13
CVPF1-112-500-SS	1 1/2	0.5	25	250	£241.67
CVPF1-112-700-SS	1 1/2	0.7	25	250	£253.20
CVPF1-112-1000-SS	1 1/2	1.0	25	250	£270.51
CVPF1-112-1500-SS	1 1/2	1.5	25	250	£299.36
CVPF1-112-2000-SS	1 1/2	2.0	25	250	£328.19
CVPF1-2-300-SS	2	0.3	20	350	£283.11
CVPF1-2-500-SS	2	0.5	20	350	£296.85
CVPF1-2-700-SS	2	0.7	20	350	£310.59
CVPF1-2-1000-SS	2	1.0	20	350	£331.16
CVPF1-2-1500-SS	2	1.5	20	350	£365.54
CVPF1-2-2000-SS	2	2.0	20	350	£399.84

### New STAINLESS STEEL CONVOLUTED HOSE MILD STEEL ENDS, BSPP FEMALE

7505

PART NUMBER					PRICE
CVPF1-14-300-MS	1/4	0.3	100	124	£30.44
CVPF1-14-500-MS	1/4	0.5	100	124	£32.18
CVPF1-14-700-MS	1/4	0.7	100	124	£33.93
CVPF1-14-1000-MS	1/4	1.0	100	124	£36.59
CVPF1-14-1500-MS	1/4	1.5	100	124	£40.98
CVPF1-14-2000-MS	1/4	2.0	100	124	£45.39
CVPF1-38-300-MS	3/8	0.3	68	125	£30.89
CVPF1-38-500-MS	3/8	0.5	68	125	£32.79
CVPF1-38-700-MS	3/8	0.7	68	125	£34.68
CVPF1-38-1000-MS	3/8	1.0	68	125	£37.50
CVPF1-38-1500-MS	3/8	1.5	68	125	£42.20
CVPF1-38-2000-MS	3/8	2.0	68	125	£46.91
CVPF1-12-300-MS	1/2	0.3	60	125	£27.09
CVPF1-12-500-MS	1/2	0.5	60	125	£29.15
CVPF1-12-700-MS	1/2	0.7	60	125	£32.72
CVPF1-12-1000-MS	1/2	1.0	60	125	£34.23
CVPF1-12-1500-MS	1/2	1.5	60	125	£39.39
CVPF1-12-2000-MS	1/2	2.0	60	125	£44.48
CVPF1-34-300-MS	3/4	0.3	38	150	£38.87
CVPF1-34-500-MS	3/4	0.5	38	150	£43.26
CVPF1-34-700-MS	3/4	0.7	38	150	£47.67
CVPF1-34-1000-MS	3/4	1.0	38	150	£54.35
CVPF1-34-1500-MS	3/4	1.5	38	150	£65.43
CVPF1-34-2000-MS	3/4	2.0	38	150	£76.50
CVPF1-1-300-MS	1	0.3	32	175	£47.90
CVPF1-1-500-MS	1	0.5	32	175	£53.43
CVPF1-1-700-MS	1	0.7	32	175	£58.98
CVPF1-1-1000-MS	1	1.0	32	175	£67.25
CVPF1-1-1500-MS	1	1.5	32	175	£81.06
CVPF1-1-2000-MS	1	2.0	32	175	£94.88
CVPF1-114-300-MS	1 1/4	0.3	38	200	£73.92
CVPF1-114-500-MS	1 1/4	0.5	38	200	£82.80
CVPF1-114-700-MS	1 1/4	0.7	38	200	£91.61
CVPF1-114-1000-MS	1 1/4	1.0	38	200	£104.82
CVPF1-114-1500-MS	1 1/4	1.5	38	200	£126.90
CVPF1-114-2000-MS	1 1/4	2.0	38	200	£148.92
CVPF1-112-300-MS	1 1/2	0.3	25	250	£110.36
CVPF1-112-500-MS	1 1/2	0.5	25	250	£121.89
CVPF1-112-700-MS	1 1/2	0.7	25	250	£132.53
CVPF1-112-1000-MS	1 1/2	1.0	25	250	£150.74
CVPF1-112-1500-MS	1 1/2	1.5	25	250	£179.60
CVPF1-112-2000-MS	1 1/2	2.0	25	250	£208.43
CVPF1-2-300-MS	2	0.3	20	350	£132.23
CVPF1-2-500-MS	2	0.5	20	350	£145.95
CVPF1-2-700-MS	2	0.7	20	350	£159.69
CVPF1-2-1000-MS	2	1.0	20	350	£180.27
CVPF1-2-1500-MS	2	1.5	20	350	£214.65
CVPF1-2-2000-MS	2	2.0	20	350	£248.96

## POWERFORCE 2000 – METALLIC FLEXIBLE HOSE ASSEMBLIES

### DESCRIPTION

Stainless Steel Annular Convoluted Hose. The Powerforce 2000 series is a closer pitch hose with a higher degree of flexibility than the Powerforce 1000 series. It's higher flexibility and working pressure make it perfect for almost all applications. As the most popular hose, Powerforce 2000 is most commonly supplied.

Single or double layers of stainless steel braid prevent elongation of the convoluted hose. They also increase the working pressures that the hose can accommodate.

### BENEFITS

- High Quality
- Rigorously Tested
- High Working Pressures
- Extremely Popular

### TEMPERATURE RANGE

Stainless steel end fittings	up to 700°C
Mild steel end fittings	up to 400°C

### MATERIALS

Core	321 Stainless steel
Braid	304 Stainless steel







**New** STAINLESS STEEL CONVOLUTED HOSE  
STAINLESS STEEL ENDS, BSPP FEMALE





7505



**New** STAINLESS STEEL CONVOLUTED HOSE  
MILD STEEL ENDS, BSPP FEMALE

7505

PART NUMBER					PRICE
CVSS-14-300-SS	1/4	0.3	140	100	£57.00
CVSS-14-500-SS	1/4	0.5	140	100	£63.53
CVSS-14-700-SS	1/4	0.7	140	100	£70.13
CVSS-14-1000-SS	1/4	1.0	140	100	£80.07
CVSS-14-1500-SS	1/4	1.5	140	100	£96.62
CVSS-14-2000-SS	1/4	2.0	140	100	£113.09
CVSS-38-300-SS	3/8	0.3	100	125	£67.94
CVSS-38-500-SS	3/8	0.5	100	125	£74.84
CVSS-38-700-SS	3/8	0.7	100	125	£81.68
CVSS-38-1000-SS	3/8	1.0	100	125	£92.07
CVSS-38-1500-SS	3/8	1.5	100	125	£109.29
CVSS-38-2000-SS	3/8	2.0	100	125	£126.60
CVSS-12-300-SS	1/2	0.3	90	125	£58.22
CVSS-12-500-SS	1/2	0.5	90	125	£65.58
CVSS-12-700-SS	1/2	0.7	90	125	£73.02
CVSS-12-1000-SS	1/2	1.0	90	125	£84.18
CVSS-12-1500-SS	1/2	1.5	90	125	£102.69
CVSS-12-2000-SS	1/2	2.0	90	125	£121.29
CVSS-34-300-SS	3/4	0.3	55	150	£79.10
CVSS-34-500-SS	3/4	0.5	55	150	£88.73
CVSS-34-700-SS	3/4	0.7	55	150	£98.30
CVSS-34-1000-SS	3/4	1.0	55	150	£112.71
CVSS-34-1500-SS	3/4	1.5	55	150	£136.77
CVSS-34-2000-SS	3/4	2.0	55	150	£160.76
CVSS-1-300-SS	1	0.3	48	175	£104.52
CVSS-1-500-SS	1	0.5	48	175	£116.81
CVSS-1-700-SS	1	0.7	48	175	£129.03
CVSS-1-1000-SS	1	1.0	48	175	£147.48
CVSS-1-1500-SS	1	1.5	48	175	£178.22
CVSS-1-2000-SS	1	2.0	48	175	£208.88
CVSS-114-300-SS	1 1/4	0.3	38	200	£250.47
CVSS-114-500-SS	1 1/4	0.5	38	200	£265.43
CVSS-114-700-SS	1 1/4	0.7	38	200	£300.72
CVSS-114-1000-SS	1 1/4	1.0	38	200	£302.84
CVSS-114-1500-SS	1 1/4	1.5	38	200	£340.26
CVSS-114-2000-SS	1 1/4	2.0	38	200	£377.69
CVSS-112-300-SS	1 1/2	2.0	34	250	£243.11
CVSS-112-500-SS	1 1/2	0.5	34	250	£263.91
CVSS-112-700-SS	1 1/2	0.7	34	250	£284.63
CVSS-112-1000-SS	1 1/2	1.0	34	250	£315.83
CVSS-112-1500-SS	1 1/2	1.5	34	250	£367.82
CVSS-112-2000-SS	1 1/2	2.0	34	250	£419.73
CVSS-2-300-SS	2	0.3	31	350	£312.93
CVSS-2-500-SS	2	0.5	31	350	£339.89
CVSS-2-700-SS	2	0.7	31	350	£366.83
CVSS-2-1000-SS	2	1.0	31	350	£407.21
CVSS-2-1500-SS	2	1.5	31	350	£474.60
CVSS-2-2000-SS	2	2.0	31	350	£541.92

PART NUMBER					PRICE
CVSS-14-300-MS	1/4	0.3	140	100	£39.24
CVSS-14-500-MS	1/4	0.5	140	100	£45.77
CVSS-14-700-MS	1/4	0.7	140	100	£52.37
CVSS-14-1000-MS	1/4	1.0	140	100	£62.31
CVSS-14-1500-MS	1/4	1.5	140	100	£78.86
CVSS-14-2000-MS	1/4	2.0	140	100	£95.33
CVSS-38-300-MS	3/8	0.3	100	125	£40.61
CVSS-38-500-MS	3/8	0.5	100	125	£47.52
CVSS-38-700-MS	3/8	0.7	100	125	£54.35
CVSS-38-1000-MS	3/8	1.0	100	125	£64.74
CVSS-38-1500-MS	3/8	1.5	100	125	£81.98
CVSS-38-2000-MS	3/8	2.0	100	125	£97.91
CVSS-12-300-MS	1/2	0.3	90	125	£36.66
CVSS-12-500-MS	1/2	0.5	90	125	£44.03
CVSS-12-700-MS	1/2	0.7	90	125	£51.47
CVSS-12-1000-MS	1/2	1.0	90	125	£62.63
CVSS-12-1500-MS	1/2	1.5	90	125	£81.14
CVSS-12-2000-MS	1/2	2.0	90	125	£99.74
CVSS-34-300-MS	3/4	0.3	55	150	£47.67
CVSS-34-500-MS	3/4	0.5	55	150	£57.30
CVSS-34-700-MS	3/4	0.7	55	150	£66.87
CVSS-34-1000-MS	3/4	1.0	55	150	£81.29
CVSS-34-1500-MS	3/4	1.5	55	150	£105.35
CVSS-34-2000-MS	3/4	2.0	55	150	£129.33
CVSS-1-300-MS	1	0.3	48	175	£58.22
CVSS-1-500-MS	1	0.5	48	175	£70.52
CVSS-1-700-MS	1	0.7	48	175	£82.73
CVSS-1-1000-MS	1	1.0	48	175	£101.18
CVSS-1-1500-MS	1	1.5	48	175	£131.91
CVSS-1-2000-MS	1	2.0	48	175	£162.59
CVSS-114-300-MS	1 1/4	0.3	38	200	£83.19
CVSS-114-500-MS	1 1/4	0.5	38	200	£98.15
CVSS-114-700-MS	1 1/4	0.7	38	200	£113.09
CVSS-114-1000-MS	1 1/4	1.0	38	200	£135.56
CVSS-114-1500-MS	1 1/4	1.5	38	200	£172.98
CVSS-114-2000-MS	1 1/4	2.0	38	200	£210.39
CVSS-112-300-MS	1 1/2	0.3	34	250	£123.35
CVSS-112-500-MS	1 1/2	0.5	34	250	£144.14
CVSS-112-700-MS	1 1/2	0.7	34	250	£164.85
CVSS-112-1000-MS	1 1/2	1.0	34	250	£196.05
CVSS-112-1500-MS	1 1/2	1.5	34	250	£248.04
CVSS-112-2000-MS	1 1/2	2.0	34	250	£299.96
CVSS-2-300-MS	2	0.3	31	350	£162.05
CVSS-2-500-MS	2	0.5	31	350	£188.99
CVSS-2-700-MS	2	0.7	31	350	£215.94
CVSS-2-1000-MS	2	1.0	31	350	£256.32
CVSS-2-1500-MS	2	1.5	31	350	£323.72
CVSS-2-2000-MS	2	2.0	31	350	£391.04





## 304 STAINLESS STEEL OVERBRAID PTFE HOSE ASSEMBLIES

### FEATURES

- A single layer of stainless steel braid prevents elongation of the convoluted hose and increases the working pressure that the inner hose can accommodate
- All technical information quoted is based on the hose being used at 20°C

### MATERIALS

304 stainless steel braid  
PTFE liner

### TEMPERATURE RANGE

Stainless steel end fittings	up to 700°C
Mild steel end fittings	up to 400°C

Five



**New** PTFE CONVOLUTED HOSE  
STAINLESS STEEL ENDS, BSPP FEMALE

7505



**New** PTFE CONVOLUTED HOSE  
MILD STEEL ENDS, BSPP FEMALE

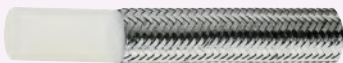
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PART NUMBER	BSPP	mtrs	bar	mm	PRICE
CVPTFE-14-300-SS	1/4	0.3	88	19	£65.67
CVPTFE-14-500-SS	1/4	0.5	88	19	£72.66
CVPTFE-14-700-SS	1/4	0.7	88	19	£79.67
CVPTFE-14-1000-SS	1/4	1.0	88	19	£90.17
CVPTFE-14-1500-SS	1/4	1.5	88	19	£107.67
CVPTFE-14-2000-SS	1/4	2.0	88	19	£125.18
CVPTFE-38-300-SS	3/8	0.3	80	25	£67.85
CVPTFE-38-500-SS	3/8	0.5	80	25	£73.14
CVPTFE-38-700-SS	3/8	0.7	80	25	£78.39
CVPTFE-38-1000-SS	3/8	1.0	80	25	£86.30
CVPTFE-38-1500-SS	3/8	1.5	80	25	£99.51
CVPTFE-38-2000-SS	3/8	2.0	80	25	£112.65
CVPTFE-12-300-SS	1/2	0.3	60	32	£80.19
CVPTFE-12-500-SS	1/2	0.5	60	32	£87.62
CVPTFE-12-700-SS	1/2	0.7	60	32	£95.06
CVPTFE-12-1000-SS	1/2	1.0	60	32	£106.19
CVPTFE-12-1500-SS	1/2	1.5	60	32	£124.76
CVPTFE-12-2000-SS	1/2	2.0	60	32	£143.31
CVPTFE-34-300-SS	3/4	0.3	42	60	£114.03
CVPTFE-34-500-SS	3/4	0.5	42	60	£122.04
CVPTFE-34-700-SS	3/4	0.7	42	60	£130.01
CVPTFE-34-1000-SS	3/4	1.0	42	60	£141.99
CVPTFE-34-1500-SS	3/4	1.5	42	60	£161.99
CVPTFE-34-2000-SS	3/4	2.0	42	60	£181.92
CVPTFE-1-300-SS	1	0.3	40	73	£170.31
CVPTFE-1-500-SS	1	0.5	40	73	£177.59
CVPTFE-1-700-SS	1	0.7	40	73	£192.11
CVPTFE-1-1000-SS	1	1.0	40	73	£213.96
CVPTFE-1-1500-SS	1	1.5	40	73	£250.35
CVPTFE-1-2000-SS	1	2.0	40	73	£286.74

PART NUMBER	BSPP	mtrs	bar	mm	PRICE
CVPTFE-14-300-MS	1/4	0.3	88	19	£33.84
CVPTFE-14-500-MS	1/4	0.5	88	19	£40.85
CVPTFE-14-700-MS	1/4	0.7	88	19	£47.84
CVPTFE-14-1000-MS	1/4	1.0	88	19	£58.35
CVPTFE-14-1500-MS	1/4	1.5	88	19	£75.84
CVPTFE-14-2000-MS	1/4	2.0	88	19	£93.35
CVPTFE-38-300-MS	3/8	0.3	80	25	£31.98
CVPTFE-38-500-MS	3/8	0.5	80	25	£37.29
CVPTFE-38-700-MS	3/8	0.7	80	25	£42.54
CVPTFE-38-1000-MS	3/8	1.0	80	25	£50.45
CVPTFE-38-1500-MS	3/8	1.5	80	25	£63.65
CVPTFE-38-2000-MS	3/8	2.0	80	25	£76.80
CVPTFE-12-300-MS	1/2	0.3	60	32	£37.77
CVPTFE-12-500-MS	1/2	0.5	60	32	£45.20
CVPTFE-12-700-MS	1/2	0.7	60	32	£52.62
CVPTFE-12-1000-MS	1/2	1.0	60	32	£63.75
CVPTFE-12-1500-MS	1/2	1.5	60	32	£82.32
CVPTFE-12-2000-MS	1/2	2.0	60	32	£100.88
CVPTFE-34-300-MS	3/4	0.3	42	60	£45.83
CVPTFE-34-500-MS	3/4	0.5	42	60	£53.84
CVPTFE-34-700-MS	3/4	0.7	42	60	£61.79
CVPTFE-34-1000-MS	3/4	1.0	42	60	£73.79
CVPTFE-34-1500-MS	3/4	1.5	42	60	£93.78
CVPTFE-34-2000-MS	3/4	2.0	42	60	£113.72
CVPTFE-1-300-MS	1	0.3	40	73	£62.91
CVPTFE-1-500-MS	1	0.5	40	73	£77.45
CVPTFE-1-700-MS	1	0.7	40	73	£91.97
CVPTFE-1-1000-MS	1	1.0	40	73	£113.82
CVPTFE-1-1500-MS	1	1.5	40	73	£150.21
CVPTFE-1-2000-MS	1	2.0	40	73	£186.60

## 304 STAINLESS STEEL OVERBRAID PTFE HOSE

### SMOOTH HOSE PTFE LINED



1230

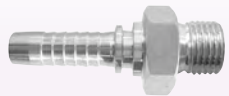
PART NUMBER	ins	bar	mm	PRICE per mtr
PT04	1/4	240	40	£9.42
PT06	3/8	190	60	£13.32
PT08	1/2	150	90	£20.38
PT12	3/4	80	170	£36.77
PT16	1	55	270	£58.02

### CONVOLUTED HOSE PTFE LINED



1230

PART NUMBER	ins	bar	mm	PRICE per mtr
PTV06	3/8	83	16	£46.52
PTV08	1/2	69	19	£60.49
PTV12	3/4	41	32	£108.92
PTV16	1	34	50	£147.81



**STRAIGHT 60° CONE  
BSPP MALE**

1230

PART NUMBER	HOSE ID	THREAD	PRICE
S-MCS250-04	1/4"	1/4" BSPP	£19.84
S-MCS250-06	3/8"	3/8" BSPP	£20.67
S-MCS250-08	1/2"	1/2" BSPP	£24.80
S-MCS250-10	5/8"	5/8" BSPP	£39.40
S-MCS250-12	3/4"	3/4" BSPP	£41.67
S-MCS250-16	1"	1" BSPP	£63.88

BSPP cone seat to BS5200.



**STRAIGHT  
BSPT MALE**

1230

PART NUMBER	HOSE ID	THREAD	PRICE
S-MTS25BT04	1/4"	1/4" BSPT	£14.19
S-MTS25BT06	3/8"	3/8" BSPT	£16.30
S-MTS25BT08	1/2"	1/2" BSPT	£18.92
S-MTS25BT12	3/4"	3/4" BSPT	£31.80
S-MTS25BT16	1"	1" BSPT	£49.66

BSPT male to BS21.



**STRAIGHT SWIVEL 60° CONE  
BSPP FEMALE**

1230

PART NUMBER	HOSE ID	THREAD	PRICE
S-FS-250-4	1/4"	1/4" BSPP	£19.84
S-FS-250-6	3/8"	3/8" BSPP	£21.67
S-FS-250-8	1/2"	1/2" BSPP	£22.94
S-FS-250-10	5/8"	5/8" BSPP	£41.86
S-FS-250-12	3/4"	3/4" BSPP	£37.55
S-FS-250-16	1"	1" BSPP	£51.45



**90° SWEPT SWIVEL  
ELBOW 60° CONE  
BSPP FEMALE**

1230

PART NUMBER	HOSE ID	THREAD	PRICE
S-E250-04	1/4"	1/4" BSPP	£40.20
S-E250-06	3/8"	3/8" BSPP	£42.92
S-E250-08	1/2"	1/2" BSPP	£53.33
S-E250-10	5/8"	5/8" BSPP	£85.93
S-E250-12	3/4"	3/4" BSPP	£82.25
S-E250-16	1"	1" BSPP	£104.49



**45° SWEPT SWIVEL  
ELBOW 60° CONE  
BSPP FEMALE**

1230

PART NUMBER	HOSE ID	THREAD	PRICE
S-EF250-04	1/4"	1/4" BSPP	£40.20
S-EF250-06	3/8"	3/8" BSPP	£33.79
S-EF250-08	1/2"	1/2" BSPP	£53.33
S-EF250-10	5/8"	5/8" BSPP	£85.99
S-EF250-12	3/4"	3/4" BSPP	£82.25
S-EF250-16	1"	1" BSPP	£104.49



**FERRULES  
FOR PTFE HOSE**

1230

PART NUMBER	HOSE ID	PRICE
PT04FSSH	1/4"	£7.10
PT06FSSH	3/8"	£9.46
PT08FSSH	1/2"	£11.95
PT12FSSH	3/4"	£13.11
PT16FSSH	1"	£29.59



**SWAGE NON-SKIVE FERRULES  
FOR TRACTOR® 1K HOSE**

1230

PART NUMBER	HOSE ID	PRICE
SFR1AT2504	1/4"	£14.25
SFR1AT2506	3/8"	£15.11
SFR1AT2508	1/2"	£16.14
SFR1AT25010	5/8"	£24.03
SFR1AT25012	3/4"	£23.45
SFR1AT25016	1"	£36.20



**SWAGE NON-SKIVE FERRULES  
FOR TRACTOR® 2K HOSE**

1230

PART NUMBER	HOSE ID	PRICE
SFR2AT2504	1/4"	£14.60
SFR2AT2506	3/8"	£15.27
SFR2AT2508	1/2"	£16.52
SFR2AT25010	5/8"	£26.62
SFR2AT25012	3/4"	£28.02
SFR2AT25016	1"	£41.22

### SPECIFICATIONS

Temperature range	-20°C to +220°C
Materials	316 stainless steel

### ADAPTORS TO BS5200

ADAPTORS TO BS5200	WORKING PRESSURE
1/8"	350 bar
1/4"	350 bar
3/8"	250 bar
1/2"	225 bar
3/4"	200 bar
1"	160 bar
1 1/4"	160 bar



1780



1780

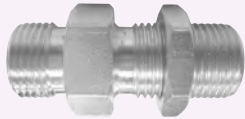
### STRAIGHT ADAPTOR BSPP MALE 60° CONE

PART NUMBER	THREAD	THREAD	PRICE
PKR-1B/02SS	1/8" BSPP	1/8" BSPP	£11.90
PKR-1B/02-04SS	1/8" BSPP	1/4" BSPP	£12.60
PKR-1B/02-06SS	1/8" BSPP	3/8" BSPP	£17.35
PKR-1B/04SS	1/4" BSPP	1/4" BSPP	£12.15
PKR-1B/04-06SS	1/4" BSPP	3/8" BSPP	£15.70
PKR-1B/04-08SS	1/4" BSPP	1/2" BSPP	£21.40
PKR-1B/06SS	3/8" BSPP	3/8" BSPP	£13.45
PKR-1B/06-08SS	3/8" BSPP	1/2" BSPP	£21.15
PKR-1B/08SS	1/2" BSPP	1/2" BSPP	£18.55
PKR-1B/08-12SS	1/2" BSPP	3/4" BSPP	£33.55
PKR-1B/12SS	3/4" BSPP	3/4" BSPP	£29.25
PKR-1B/16SS	1" BSPP	1" BSPP	£45.90
PKR-1B/16-20SS	1" BSPP	1 1/4" BSPP	£74.90
PKR-1B/20SS	1 1/4" BSPP	1 1/4" BSPP	£65.40

### STRAIGHT ADAPTOR BSPP MALE 60° CONE / BSPT MALE

PART NUMBER	THREAD	THREAD	PRICE
PKR-1BT/02SS	1/8" BSPP	1/8" BSPT	£14.25
PKR-1BT/04SS	1/4" BSPP	1/4" BSPT	£12.75
PKR-1BT/04-06SS	1/4" BSPP	3/8" BSPT	£20.10
PKR-1BT/06SS	3/8" BSPP	3/8" BSPT	£16.05
PKR-1BT/06-08SS	3/8" BSPP	1/2" BSPT	£24.50
PKR-1BT/08-06SS	1/2" BSPP	3/8" BSPT	£24.50
PKR-1BT/08SS	1/2" BSPP	1/2" BSPT	£21.85
PKR-1BT/12-08SS	3/4" BSPP	1/2" BSPT	£37.95
PKR-1BT/12SS	3/4" BSPP	3/4" BSPT	£29.60
PKR-1BT/16SS	1" BSPP	1" BSPT	£46.15
PKR-1BT/20SS	1 1/4" BSPP	1 1/4" BSPT	£85.60

### STRAIGHT ADAPTOR WITH LOCKNUT BSPP MALE 60° CONE / BSPP MALE BULKHEAD



1780

PART NUMBER	THREAD	PRICE
PKR-6B/04SS	1/4" BSPP	£30.55
PKR-6B/06SS	3/8" BSPP	£34.60
PKR-6B/08SS	1/2" BSPP	£40.90
PKR-6B/12SS	3/4" BSPP	£66.00
PKR-6B/16SS	1" BSPP	£94.85

### STRAIGHT ADAPTOR NPTF MALE



1780

PART NUMBER	THREAD	PRICE
PKR-1N/02SS	1/8" NPTF	£17.85
PKR-1N/04SS	1/4" NPTF	£15.20
PKR-1N/06SS	3/8" NPTF	£16.90
PKR-1N/08SS	1/2" NPTF	£20.55
PKR-1N/12SS	3/4" NPTF	£31.50
PKR-1N/16SS	1" NPTF	£43.05

### STRAIGHT ADAPTOR BSPP MALE 60° CONE / JIC MALE



1780

PART NUMBER	THREAD	THREAD	PRICE
PKR-1BJ/04SS	1/4" BSPP	7/16" JIC	£15.15
PKR-1BJ/04-06SS	1/4" BSPP	9/16" JIC	£15.45
PKR-1BJ/06SS	3/8" BSPP	9/16" JIC	£17.10
PKR-1BJ/08SS	1/2" BSPP	3/4" JIC	£21.30
PKR-1BJ/08-10SS	1/2" BSPP	7/8" JIC	£23.05
PKR-1BJ/12SS	3/4" BSPP	1 1/16" JIC	£30.30
PKR-1BJ/16SS	1" BSPP	1 5/16" JIC	£53.25

### STRAIGHT ADAPTOR BSPP MALE 60° CONE / NPTF MALE



1780

PART NUMBER	THREAD	THREAD	PRICE
PKR-1BN/02SS	1/8" BSPP	1/8" NPTF	£14.50
PKR-1BN/04SS	1/4" BSPP	1/4" NPTF	£12.75
PKR-1BN/06SS	3/8" BSPP	3/8" NPTF	£16.05
PKR-1BN/08SS	1/2" BSPP	1/2" NPTF	£21.90
PKR-1BN/12SS	3/4" BSPP	3/4" NPTF	£29.70
PKR-1BN/16SS	1" BSPP	1" NPTF	£47.55



**STRAIGHT ADAPTOR  
BSPP FIXED FEMALE**

1780

PART NUMBER	THREAD	THREAD	PRICE
PKR-7B/04SS	1/4" BSPP	1/4" BSPP	£13.45
PKR-7B/06SS	3/8" BSPP	3/8" BSPP	£19.25
PKR-7B/08SS	1/2" BSPP	1/2" BSPP	£24.85
PKR-7B/12SS	3/4" BSPP	3/4" BSPP	£33.30
PKR-7B/16SS	1" BSPP	1" BSPP	£53.50



**STRAIGHT ADAPTOR  
JIC MALE**

1780

PART NUMBER	THREAD	PRICE
PKR-1J/04SS	7/16" JIC	£15.15
PKR-1J/06SS	9/16" JIC	£15.45
PKR-1J/08SS	3/4" JIC	£21.30
PKR-1J/12SS	1 1/16" JIC	£30.30
PKR-1J/16SS	1 5/16" JIC	£53.25



**TEE  
BSPP SWIVEL FEMALE 60° CONE**

1780

PART NUMBER	THREAD	PRICE
PKR-Z12B/04SS	1/4" BSPP	£92.15
PKR-Z12B/06SS	3/8" BSPP	£98.60
PKR-Z12B/08SS	1/2" BSPP	£125.80
PKR-Z12B/12SS	3/4" BSPP	£187.25
PKR-Z12B/16SS	1" BSPP	£240.75



**TEE  
BSPP MALE 60° CONE**

1780

PART NUMBER	THREAD	PRICE
PKR-Z10B/02SS	1/8" BSPP	£43.50
PKR-Z10B/04SS	1/4" BSPP	£44.00
PKR-Z10B/06SS	3/8" BSPP	£51.10
PKR-Z10B/08SS	1/2" BSPP	£52.30
PKR-Z10B/12SS	3/4" BSPP	£91.80
PKR-Z10B/16SS	1" BSPP	£127.45



**90° COMPACT ELBOW  
BSPP MALE /  
BSP FEMALE 60° CONE**

1780

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
PKR-X11B/04SS	1/4" BSPP	1/4" BSPP	£49.00
PKR-X11B/06SS	3/8" BSPP	3/8" BSPP	£55.40
PKR-X11B/08SS	1/2" BSPP	1/2" BSPP	£65.65
PKR-X11B/12SS	3/4" BSPP	3/4" BSPP	£115.45
PKR-X11B/16SS	1" BSPP	1" BSPP	£140.75



**SOLID PLUG  
JIC MALE 37° CONE**

1780

PART NUMBER	THREAD	PRICE
PKR-4J/04SS	7/16" JIC	£10.70
PKR-4J/06SS	9/16" JIC	£13.10
PKR-4J/08SS	3/4" JIC	£14.85
PKR-4J/12SS	1 1/16" JIC	£28.55
PKR-4J/16SS	1 5/16" JIC	£39.45



**PLUG  
BSPP MALE 60° CONE**

1780

PART NUMBER	THREAD	PRICE
PKR-4B/02SS	1/8" BSPP	£9.65
PKR-4B/04SS	1/4" BSPP	£9.65
PKR-4B/06SS	3/8" BSPP	£12.25
PKR-4B/08SS	1/2" BSPP	£15.45
PKR-4B/12SS	3/4" BSPP	£20.20
PKR-4B/16SS	1" BSPP	£30.20



**BLANKING CAP  
BSPP SWIVEL FEMALE 60° CONE**

1780

PART NUMBER	THREAD	PRICE
PKR-CB/02SS	1/8" BSPP	£16.65
PKR-CB/04SS	1/4" BSPP	£14.60
PKR-CB/06SS	3/8" BSPP	£16.65
PKR-CB/08SS	1/2" BSPP	£19.85
PKR-CB/12SS	3/4" BSPP	£30.90
PKR-CB/16SS	1" BSPP	£48.05

### SPECIFICATIONS

Working pressure	10,000 psi
Temperature range	-20°C to +220°C
Materials	316 stainless steel



**STRAIGHT ADAPTOR  
BSPF MALE**

1770

PART NUMBER	THREAD	THREAD	PRICE
PK2G2GMM10K	1/8" BSPP	1/8" BSPP	£66.60
PK2G4GMM10K	1/8" BSPP	1/4" BSPP	£68.08
PK4G4GMM10K	1/4" BSPP	1/4" BSPP	£20.56
PK4G6GMM10K	1/4" BSPP	3/8" BSPP	£36.96
PK4G8GMM10K	1/4" BSPP	1/2" BSPP	£43.57
PK6G6GMM10K	3/8" BSPP	3/8" BSPP	£25.94
PK6G8GMM10K	3/8" BSPP	1/2" BSPP	£43.57
PK8G8GMM10K	1/2" BSPP	1/2" BSPP	£32.43



**STRAIGHT ADAPTOR  
NPT MALE**

1770

PART NUMBER	THREAD	THREAD	PRICE
PK2N2NMM10K	1/8" NPT	1/8" NPT	£15.02
PK2N4NMM10K	1/8" NPT	1/4" NPT	£18.54
PK4N4NMM10K	1/4" NPT	1/4" NPT	£13.62
PK4N6NMM10K	1/4" NPT	3/8" NPT	£20.75
PK4N8NMM10K	1/4" NPT	1/2" NPT	£24.98
PK6N6NMM10K	3/8" NPT	3/8" NPT	£21.05
PK6N8NMM10K	3/8" NPT	1/2" NPT	£24.98
PK8N8NMM10K	1/2" NPT	1/2" NPT	£23.01



**STRAIGHT ADAPTOR  
BSPF MALE / NPT MALE**

1770

PART NUMBER	THREAD	THREAD	PRICE
PK2G2NMM10K	1/8" BSPP	1/8" NPT	£66.60
PK2G4NMM10K	1/8" BSPP	1/4" NPT	£64.65
PK4G2NMM10K	1/4" BSPP	1/8" NPT	£30.44
PK4G4NMM10K	1/4" BSPP	1/4" NPT	£21.79
PK4G6NMM10K	1/4" BSPP	3/8" NPT	£24.54
PK4G8NMM10K	1/4" BSPP	1/2" NPT	£27.57
PK6G4NMM10K	3/8" BSPP	1/4" NPT	£27.76
PK6G6NMM10K	3/8" BSPP	3/8" NPT	£27.76
PK6G8NMM10K	3/8" BSPP	1/2" NPT	£33.91
PK8G4NMM10K	1/2" BSPP	1/4" NPT	£38.00
PK8G6NMM10K	1/2" BSPP	3/8" NPT	£38.00
PK8G8NMM10K	1/2" BSPP	1/2" NPT	£33.93



**STRAIGHT ADAPTOR  
NPT MALE / JIC MALE**

1770

PART NUMBER	THREAD	THREAD	PRICE
PK2N4JMM10K	1/8" NPT	7/16" JIC	£20.58
PK4N4JMM10K	1/4" NPT	7/16" JIC	£18.56
PK4N6JMM10K	1/4" NPT	9/16" JIC	£21.68
PK4N8JMM10K	1/4" NPT	3/4" JIC	£34.97
PK6N4JMM10K	3/8" NPT	7/16" JIC	£21.68
PK6N6JMM10K	3/8" NPT	9/16" JIC	£23.23
PK6N8JMM10K	3/8" NPT	3/4" JIC	£34.97
PK8N4JMM10K	1/2" NPT	7/16" JIC	£25.17
PK8N6JMM10K	1/2" NPT	9/16" JIC	£25.09
PK8N8JMM10K	1/2" NPT	3/4" JIC	£28.09



**STRAIGHT ADAPTOR  
BSPF MALE / JIC MALE**

1770

PART NUMBER	THREAD	THREAD	PRICE
PK2G4JMM10K	1/8" BSPP	7/16" JIC	£66.60
PK4G4JMM10K	1/4" BSPP	7/16" JIC	£23.31
PK4G6JMM10K	1/4" BSPP	9/16" JIC	£32.05
PK4G8JMM10K	1/4" BSPP	3/4" JIC	£70.86
PK6G4JMM10K	3/8" BSPP	7/16" JIC	£28.94
PK6G6JMM10K	3/8" BSPP	9/16" JIC	£46.00
PK6G8JMM10K	3/8" BSPP	3/4" JIC	£72.41
PK8G4JMM10K	1/2" BSPP	7/16" JIC	£72.21
PK8G6JMM10K	1/2" BSPP	9/16" JIC	£50.23
PK8G8JMM10K	1/2" BSPP	3/4" JIC	£50.20



**STRAIGHT ADAPTOR  
JIC MALE / JIC MALE**

1770

PART NUMBER	THREAD	THREAD	PRICE
PK4J4JMM10K	7/16" JIC	7/16" JIC	£22.44
PK4J6JMM10K	7/16" JIC	9/16" JIC	£30.60
PK4J8JMM10K	7/16" JIC	3/4" JIC	£33.74
PK6J6JMM10K	9/16" JIC	9/16" JIC	£27.25
PK6J8JMM10K	9/16" JIC	3/4" JIC	£49.96
PK8J8JMM10K	3/4" JIC	3/4" JIC	£33.28



**STRAIGHT ADAPTOR  
NPT MALE / JIC SWIVEL FEMALE**

1770

PART NUMBER	THREAD	THREAD	PRICE
PK4N4JFM10K	1/4" NPT	7/16" JIC	£37.43
PK4N6JFM10K	1/4" NPT	9/16" JIC	£47.67
PK6N6JFM10K	3/8" NPT	9/16" JIC	£52.61



**STRAIGHT ADAPTOR  
NPT FEMALE / JIC MALE**

1770

PART NUMBER	THREAD	THREAD	PRICE
PK4N4JFM10K	1/4" NPT	7/16" JIC	£40.60
PK6N4JFM10K	3/8" NPT	7/16" JIC	£52.61
PK6N6JFM10K	3/8" NPT	9/16" JIC	£98.99



STRAIGHT ADAPTOR  
NPT FEMALE

1770

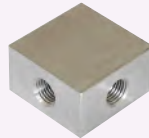
PART NUMBER	THREAD	THREAD	PRICE
PK4N4NFF10K	1/4" NPT	1/4" NPT	£23.56
PK4N6NFF10K	1/4" NPT	3/8" NPT	£32.43
PK4N8NFF10K	1/4" NPT	1/2" NPT	£41.14
PK6N6NFF10K	3/8" NPT	3/8" NPT	£30.49
PK6N8NFF10K	3/8" NPT	1/2" NPT	£41.14
PK8N8NFF10K	1/2" NPT	1/2" NPT	£38.93



STRAIGHT ADAPTOR  
BSPP FEMALE

1770

PART NUMBER	THREAD	THREAD	PRICE
PK4G4GFF10K	1/4" BSPP	1/4" BSPP	£40.00
PK4G6GFF10K	1/4" BSPP	3/8" BSPP	£94.91
PK4G8GFF10K	1/4" BSPP	1/2" BSPP	£110.37
PK6G6GFF10K	3/8" BSPP	3/8" BSPP	£103.19
PK6G8GFF10K	3/8" BSPP	1/2" BSPP	£128.69
PK8G8GFF10K	1/2" BSPP	1/2" BSPP	£80.40



CROSS  
NPT FEMALE

1770

PART NUMBER	THREAD	PRICE
PK4NX10K	1/4" NPT	£80.48
PK6NX10K	3/8" NPT	£211.90
PK8NX10K	1/2" NPT	£108.35



TEE  
NPT FEMALE

1770

PART NUMBER	THREAD	PRICE
PK4NT10K	1/4" NPT	£74.91
PK6NT10K	3/8" NPT	£156.59
PK8NT10K	1/2" NPT	£98.77



ELBOW  
NPT FEMALE

1770

PART NUMBER	THREAD	PRICE
PK4NE10K	1/4" NPT	£65.00
PK6NE10K	3/8" NPT	£134.26
PK8NE10K	1/2" NPT	£86.68



ELBOW  
NPT FEMALE

1770

PART NUMBER	THREAD	PRICE
PK4NEMM10K	1/4" NPT	£90.28
PK6NEMM10K	3/8" NPT	£117.20
PK8NEMM10K	1/2" NPT	£143.68



FIXED ELBOW  
NPT MALE / NPT FEMALE

1770

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
PK4NEMF10K	1/4" NPT	1/4" NPT	£33.47
PK6NEMF10K	3/8" NPT	3/8" NPT	£41.52
PK8NEMF10K	1/2" NPT	1/2" NPT	£48.43



ELBOW  
BSPP MALE / BSPP FEMALE

1770

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
PK4GEMF10K	1/4" BSPP	1/4" BSPP	£62.68
PK6GEMF10K	3/8" BSPP	3/8" BSPP	£85.62
PK8GEMF10K	1/2" BSPP	1/2" BSPP	£103.90



ELBOW  
JIC MALE / NPT FEMALE

1770

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
PK4JMF10K	7/16" JIC	1/4" NPT	£98.96
PK6JMF10K	9/16" JIC	3/8" NPT	£148.87
PK8JMF10K	3/4" JIC	1/2" NPT	£200.74



### TECHNICAL DATA

Parkair Pipe screw joints and accessories have been improved by constant developments to achieve DIN 2353/ISO 8434-1.

### RANGE OF TUBE SIZES

6 mm to 42 mm (L) light and 6 mm to 38 mm (S) heavy series.

### WORKING PRESSURES

**Extra Light Series**  
4 mm to 8 mm OD 100 bar (1450 psi).

**Light Series**  
6 mm to 18 mm OD 315 bar (4569 psi).  
22 mm to 42 mm OD 160 bar (2320 psi).

**Heavy Series**  
6 mm to 14 mm OD 630 bar (9137 psi).  
16 mm to 30 mm OD 400 bar (5801 psi).  
38 mm OD 315 bar (4569 psi).

Please note higher pressure ratings are available upon request.  
Contact your sales office for details.

### MATERIAL

Parkair Pipe screw joints steel -40°C up to +120°C (DIN 3859).  
Reductions of pressure, these temperatures are only recommendations,  
which can be influenced by the operating medium.  
Parkair Brass -60°C up to +175°C.

Please note brass available upon request – box quantity may apply.  
Contact your sales office for details.

### THREADS

BSP 1/8" to 1 1/2" to DIN-ISO 228.  
Whitworth DIN-ISO 228, Whitworth (keg) DIN 3858.  
Metric M10X1 – M48X2 to DIN 158.  
NPT (ANSI/ASME B2-20.1.1983)

### STUD THREAD AND PORTS

Stud Form B to DIN EN ISO 9974-3 and DIN 3852-1 (metrical), DIN EN ISO 1179-4 (BSP).

Stud Form E DIN EN ISO 9974-2 (metrical), DIN EN ISO 1179-2 (BSP).

Form C to DIN 158-1 (metrical), DIN 3858 (BSP), ANSI/ASME B1.20.1-1983 (NPT/NPTF).

### SEALS

Soft sealing and O-rings sealing.  
NBR (Perbunan) -35°C up to +100°C.  
FPM (Viton™) -25°C up to +200°C upon request if required.  
PTFE (Teflon) -60°C up to +200°C.

### SURFACE PROTECTION

Steel, mass phosphated and mass oiled.

### WORKING PRESSURE

100 bar to 630 bar refer to steel fittings a static load at temperatures up to 120°C.  
The related pressure (PN) to DIN 2401 the related pressure has a safety factor of 4.  
A full copy of the technical data is available upon request.

### PIPES

Recommend the use of seamless precision steel tubes with dimensions to DIN 10305 Part 4.  
Material conforming DIN EN 10216-1.

## EXTRA LIGHT SERIES

New

### STUD COUPLING BSPT MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC4-2TLL	4 mm	1/8" BSPT	£3.26
pMMC6-2TLL	6 mm	1/8" BSPT	£3.17
pMMC8-2TLL	8 mm	1/8" BSPT	£3.59

New

### STUD COUPLING NPT MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC4-2NLL	4 mm	1/8" NPT	£3.13
pMMC6-2NLL	6 mm	1/8" NPT	£3.07
pMMC8-2NLL	8 mm	1/8" NPT	£3.45

New

### STUD COUPLING – FORM B METRIC MALE METAL TO METAL SEAL



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC4-2MLL	4 mm	8 mm	£2.14
pMMC6-2MLL	6 mm	10 mm	£2.28
pMMC8-2MLL	8 mm	10 mm	£2.47

New

### STUD ELBOW BSPT MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMME4-2TLL	4 mm	1/8" BSPT	£6.98
pMME6-2TLL	6 mm	1/8" BSPT	£7.11
pMME8-2TLL	8 mm	1/8" BSPT	£8.04

New

### STUD ELBOW NPT MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMME4-2NLL	4 mm	1/8" NPT	£8.45
pMME6-2NLL	6 mm	1/8" NPT	£8.49
pMME8-2NLL	8 mm	1/8" NPT	£9.54

New

### STUD ELBOW METRIC MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMME4-2MLL	4 mm	8 mm	£7.04
pMME6-2MLL	6 mm	10 mm	£7.29
pMME8-2MLL	10 mm	10 mm	£8.13

New

### STRAIGHT COUPLING



8610

PART NUMBER	TUBE OD	PRICE
pMSC4LL	4 mm	£3.39
pMSC6LL	6 mm	£3.77
pMSC8LL	8 mm	£3.83

New

### REDUCING COUPLING



8610

PART NUMBER	TUBE OD	TUBE OD	PRICE
pMRC6-4LL	6 mm	4 mm	£7.96
pMRC8-6LL	8 mm	6 mm	£26.30

New

### EQUAL ELBOW



8610

PART NUMBER	TUBE OD	PRICE
pME4LL	4 mm	£8.56
pME6LL	6 mm	£7.75
pME8LL	8 mm	£8.47

New

### EQUAL TEE



8610

PART NUMBER	TUBE OD	PRICE
pMT4LL	4 mm	£9.51
pMT6LL	6 mm	£9.61
pMT8LL	8 mm	£11.15

New

### EQUAL CROSS



8610

PART NUMBER	TUBE OD	PRICE
pMX4LL	4 mm	£42.54
pMX6LL	6 mm	£42.03
pMX8LL	8 mm	£38.18

New

### BULKHEAD COUPLING



8610

PART NUMBER	TUBE OD	FOR USE WITH	PRICE
pMBHN6L	M12 x 1.5	6 mm L	£0.53
pMBHN8L-6S	M14 x 1.5	8 mm L 6 mm S	£0.69
pMBHN10L-8S	M16 x 1.5	10 mm L 8 mm S	£0.88
pMBHN12L-10S	M18 x 1.5	12 mm L 10 mm S	£1.21
pMBHN12S	M20 x 1.5	12 mm S	£1.39
pMBHN15L-14S	M22 x 1.5	15 mm L 14 mm S	£1.86
pMBHN16S	M24 x 1.5	16 mm S	£2.71
pMBHN18L	M26 x 1.5	18 mm L	£3.46
pMBHN22L-20S	M30 x 2	22 mm L 20 mm S	£4.37
pMBHN28L-25S	M36 x 2	28 mm L 25 mm S	£8.88
pMBHN30S	M42 x 2	30 mm S	£10.02
pMBHN35L	M46 x 2	38 mm L	£10.53
pMBHN42L-38S	M52 x 2	42 mm L 38 mm S	£16.61



## LIGHT SERIES

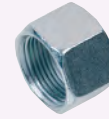


**NUT**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMN6L	6 mm	M12 x 1.5	£0.46
pMN8L	8 mm	M14 x 1.5	£0.52
pMN10L	10 mm	M16 x 1.5	£0.59
pMN12L	12 mm	M18 x 1.5	£0.76
pMN15L	15 mm	M22 x 1.5	£1.07
pMN18L	18 mm	M26 x 1.5	£1.97
pMN22L	22 mm	M30 x 2.0	£2.79
pMN28L	28 mm	M36 x 2.0	£5.31
pMN35L	35 mm	M45 x 2.0	£6.71
pMN42L	42 mm	M52 x 2.0	£6.94

## HEAVY SERIES



**NUT**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMN6	6 mm	M14 x 1.5	£0.52
pMN8	8 mm	M16 x 1.5	£0.61
pMN10	10 mm	M18 x 1.5	£0.84
pMN12	12 mm	M20 x 1.5	£1.01
pMN14	14 mm	M22 x 1.5	£1.51
pMN16	16 mm	M24 x 1.5	£2.08
pMN20	20 mm	M30 x 2.0	£3.10
pMN25	25 mm	M36 x 2.0	£5.97
pMN30	30 mm	M42 x 2.0	£7.40
pMN38	38 mm	M52 x 2.0	£10.87



**CUTTING RING**

8610

PART NUMBER	TUBE OD	PRICE
pMF15L	15 mm	£0.72
pMF18L	18 mm	£1.04
pMF22L	22 mm	£1.85
pMF28L	28 mm	£2.18
pMF35L	35 mm	£3.49
pMF42L	42 mm	£3.97



**CUTTING RING**

8610

PART NUMBER	TUBE OD	PRICE
pMF6	6 mm	£0.45
pMF8	8 mm	£0.46
pMF10	10 mm	£0.53
pMF12	12 mm	£0.59
pMF14	14 mm	£1.08
pMF16	16 mm	£1.07
pMF20	20 mm	£2.14
pMF25	25 mm	£2.67
pMF30	30 mm	£4.01
pMF38	38 mm	£4.90



**STRAIGHT COUPLING**

8610

PART NUMBER	TUBE OD	PRICE
pMSC6L	6 mm	£3.32
pMSC8L	8 mm	£3.59
pMSC10L	10 mm	£4.21
pMSC12L	12 mm	£5.03
pMSC15L	15 mm	£7.00
pMSC18L	18 mm	£10.73
pMSC22L	22 mm	£14.72
pMSC28L	28 mm	£26.47
pMSC35L	35 mm	£36.35
pMSC42L	42 mm	£46.74



**STRAIGHT COUPLING**

8610

PART NUMBER	TUBE OD	PRICE
pMSC6	6 mm	£4.00
pMSC8	8 mm	£4.45
pMSC10	10 mm	£5.45
pMSC12	12 mm	£6.19
pMSC14	14 mm	£11.50
pMSC16	16 mm	£11.65
pMSC20	20 mm	£17.19
pMSC25	25 mm	£29.02
pMSC30	30 mm	£40.36
pMSC38	38 mm	£54.76

## LIGHT SERIES



8610

### EQUAL ELBOW

PART NUMBER	TUBE OD	PRICE
pME6L	6 mm	£7.68
pME8L	8 mm	£8.11
pME10L	10 mm	£8.64
pME12L	12 mm	£10.21
pME15L	15 mm	£13.83
pME18L	18 mm	£18.84
pME22L	22 mm	£26.42
pME28L	28 mm	£42.04
pME35L	35 mm	£60.76
pME42L	42 mm	£79.83

## HEAVY SERIES



8610

### EQUAL ELBOW

PART NUMBER	TUBE OD	PRICE
pME6	6 mm	£8.82
pME8	8 mm	£9.39
pME10	10 mm	£10.95
pME12	12 mm	£12.32
pME14	14 mm	£20.97
pME16	16 mm	£19.52
pME20	20 mm	£26.85
pME25	25 mm	£44.46
pME30	30 mm	£63.14
pME38	38 mm	£88.64



8610

### EQUAL TEE

PART NUMBER	TUBE OD	PRICE
pMT6L	6 mm	£9.89
pMT8L	8 mm	£10.67
pMT10L	10 mm	£11.80
pMT12L	12 mm	£14.23
pMT15L	15 mm	£18.68
pMT18L	18 mm	£25.89
pMT22L	22 mm	£36.62
pMT28L	28 mm	£59.49
pMT35L	35 mm	£80.29
pMT42L	42 mm	£113.38



8610

### EQUAL TEE

PART NUMBER	TUBE OD	PRICE
pMT6	6 mm	£11.53
pMT8	8 mm	£12.63
pMT10	10 mm	£14.57
pMT12	12 mm	£15.98
pMT14	14 mm	£28.76
pMT16	16 mm	£26.70
pMT20	20 mm	£41.91
pMT25	25 mm	£63.28
pMT30	30 mm	£82.13
pMT38	38 mm	£122.45



8610

### BULKHEAD COUPLING

PART NUMBER	TUBE OD	PRICE
pMBH6L	6 mm	£6.31
pMBH8L	8 mm	£6.53
pMBH10L	10 mm	£7.90
pMBH12L	12 mm	£9.12
pMBH15L	15 mm	£13.83
pMBH18L	18 mm	£22.21
pMBH22L	22 mm	£28.45
pMBH28L	28 mm	£43.56
pMBH35L	35 mm	£67.88
pMBH42L	42 mm	£90.95



8610

### BULKHEAD COUPLING

PART NUMBER	TUBE OD	PRICE
pMBH6	6 mm	£8.37
pMBH8	8 mm	£9.03
pMBH10	10 mm	£10.47
pMBH12	12 mm	£13.92
pMBH14	14 mm	£23.04
pMBH16	16 mm	£22.43
pMBH20	20 mm	£35.19
pMBH25	25 mm	£56.52
pMBH30	30 mm	£69.33
pMBH38	38 mm	£111.69



8610

### BULKHEAD ELBOW

PART NUMBER	TUBE OD	PRICE
pMBHE6L	6 mm	£12.60
pMBHE8L	8 mm	£13.07
pMBHE10L	10 mm	£14.48
pMBHE12L	12 mm	£17.45
pMBHE15L	15 mm	£21.15
pMBHE18L	18 mm	£30.16
pMBHE22L	22 mm	£47.24
pMBHE28L	28 mm	£72.93
pMBHE35L	35 mm	£107.07
pMBHE42L	42 mm	£151.82



8610

### BULKHEAD ELBOW

PART NUMBER	TUBE OD	PRICE
pMBHE6	6 mm	£14.48
pMBHE8	8 mm	£15.95
pMBHE10	10 mm	£20.04
pMBHE12	12 mm	£20.68
pMBHE14	14 mm	£124.67
pMBHE16	16 mm	£30.00
pMBHE20	20 mm	£47.09
pMBHE25	25 mm	£76.66
pMBHE30	30 mm	£106.22
pMBHE38	38 mm	£157.78

## LIGHT SERIES



**STUD COUPLING  
60° CONED**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6-2L	6 mm	1/8" BSPP	£4.86
pMMC6-4L	6 mm	1/4" BSPP	£6.05
pMMC8-2L	8 mm	1/8" BSPP	£7.72
pMMC8-4L	8 mm	1/4" BSPP	£5.54
pMMC10-4L	10 mm	1/4" BSPP	£5.80
pMMC10-6L	10 mm	3/8" BSPP	£6.94
pMMC10-8L	10 mm	1/2" BSPP	£10.44
pMMC12-4L	12 mm	1/4" BSPP	£7.39
pMMC12-6L	12 mm	3/8" BSPP	£6.97
pMMC12-8L	12 mm	1/2" BSPP	£9.76
pMMC15-6L	15 mm	3/8" BSPP	£10.48
pMMC15-8L	15 mm	1/2" BSPP	£9.42
pMMC15-12L	15 mm	3/4" BSPP	£27.32
pMMC18-6L	18 mm	3/8" BSPP	£18.33
pMMC18-8L	18 mm	1/2" BSPP	£11.32
pMMC18-12L	18 mm	3/4" BSPP	£18.89
pMMC22-8L	22 mm	1/2" BSPP	£25.00
pMMC22-12L	22 mm	3/4" BSPP	£15.42
pMMC22-16L	22 mm	1" BSPP	£57.43
pMMC28-8L	28 mm	1/2" BSPP	POA
pMMC28-12L	28 mm	3/4" BSPP	£55.52
pMMC28-16L	28 mm	1" BSPP	£26.71
pMMC28-20L	28 mm	1 1/4" BSPP	POA
pMMC35-16L	35 mm	1" BSPP	£70.98
pMMC35-20L	35 mm	1 1/4" BSPP	£36.95
pMMC42-24L	42 mm	1 1/2" BSPP	£44.05

## HEAVY SERIES



**STUD COUPLING  
60° CONED**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6-4	6 mm	1/4" BSPP	£5.81
pMMC8-4	8 mm	1/4" BSPP	£6.17
pMMC8-6	8 mm	3/8" BSPP	£12.11
pMMC10-4	10 mm	1/4" BSPP	£12.19
pMMC10-6	10 mm	3/8" BSPP	£7.45
pMMC10-8	10 mm	1/2" BSPP	£10.87
pMMC12-4	12 mm	1/4" BSPP	£9.73
pMMC12-6	12 mm	3/8" BSPP	£12.26
pMMC12-8	12 mm	1/2" BSPP	£9.60
pMMC14-6	14 mm	3/8" BSPP	£33.78
pMMC14-8	14 mm	1/2" BSPP	£12.78
pMMC16-6	16 mm	3/8" BSPP	£20.19
pMMC16-8	16 mm	1/2" BSPP	£12.27
pMMC16-12	16 mm	3/4" BSPP	£18.80
pMMC20-8	20 mm	1/2" BSPP	£28.06
pMMC20-12	20 mm	3/4" BSPP	£17.48
pMMC20-16	20 mm	1" BSPP	£46.27
pMMC25-12	25 mm	3/4" BSPP	£41.67
pMMC25-16	25 mm	1" BSPP	£29.08
pMMC25-20	25 mm	1 1/4" BSPP	POA
pMMC30-12	30 mm	3/4" BSPP	POA
pMMC30-16	30 mm	1" BSPP	£51.97
pMMC30-20	30 mm	1 1/4" BSPP	£42.88
pMMC38-16	38 mm	1" BSPP	POA
pMMC38-20	38 mm	1 1/4" BSPP	£59.77
pMMC38-24	38 mm	1 1/2" BSPP	£52.69

**STUD COUPLING – FORM B  
BSPP MALE  
METAL TO METAL SEAL**



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6-2ML	6 mm	1/8" BSPP	£2.21
pMMC6-4ML	6 mm	1/4" BSPP	£3.16
pMMC6-6ML	6 mm	3/8" BSPP	£4.34
pMMC6-8ML	6 mm	1/2" BSPP	£15.83
pMMC8-2ML	8 mm	1/8" BSPP	£4.49
pMMC8-4ML	8 mm	1/4" BSPP	£2.75
pMMC8-6ML	8 mm	3/8" BSPP	£3.98
pMMC8-8ML	8 mm	1/2" BSPP	£8.44
pMMC10-4ML	10 mm	1/4" BSPP	£2.96
pMMC10-6ML	10 mm	3/8" BSPP	£3.87
pMMC10-8ML	10 mm	1/2" BSPP	£6.26
pMMC12-4ML	12 mm	1/4" BSPP	£4.23
pMMC12-6ML	12 mm	3/8" BSPP	£3.90
pMMC12-8ML	12 mm	1/2" BSPP	£5.71
pMMC12-12ML	12 mm	3/4" BSPP	£11.80
pMMC15-6ML	15 mm	3/8" BSPP	£6.70
pMMC15-8ML	15 mm	1/2" BSPP	£5.44
pMMC15-12ML	15 mm	3/4" BSPP	£19.76
pMMC18-6ML	18 mm	3/8" BSPP	£14.49
pMMC18-8ML	18 mm	1/2" BSPP	£6.95
pMMC18-12ML	18 mm	3/4" BSPP	£6.95
pMMC22-8ML	22 mm	1/2" BSPP	£10.24
pMMC22-12ML	22 mm	3/4" BSPP	£10.24
pMMC22-16ML	22 mm	1" BSPP	£43.42
pMMC28-12ML	28 mm	3/4" BSPP	£42.31
pMMC28-16ML	28 mm	1" BSPP	£18.84
pMMC35-16ML	35 mm	1" BSPP	£54.26
pMMC35-20ML	35 mm	1 1/4" BSPP	£27.04
pMMC42-24ML	42 mm	1 1/2" BSPP	£32.24

**STUD COUPLING – FORM B  
BSPP MALE  
METAL TO METAL SEAL**



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6-4M	6 mm	1/4" BSPP	£2.97
pMMC6-8M	6 mm	1/2" BSPP	£19.13
pMMC8-4M	8 mm	1/4" BSPP	£3.25
pMMC8-6M	8 mm	3/8" BSPP	£8.01
pMMC10-4M	10 mm	1/4" BSPP	£6.10
pMMC10-6M	10 mm	3/8" BSPP	£4.28
pMMC10-8M	10 mm	1/2" BSPP	£6.59
pMMC12-4M	12 mm	1/4" BSPP	£8.07
pMMC12-6M	12 mm	3/8" BSPP	£4.66
pMMC12-8M	12 mm	1/2" BSPP	£5.58
pMMC14-6M	14 mm	3/8" BSPP	£25.34
pMMC14-8M	14 mm	1/2" BSPP	£8.13
pMMC16-6M	16 mm	3/8" BSPP	£15.98
pMMC16-8M	16 mm	1/2" BSPP	£7.71
pMMC16-12M	16 mm	3/4" BSPP	£12.94
pMMC20-8M	20 mm	1/2" BSPP	£20.35
pMMC20-12M	20 mm	3/4" BSPP	£11.88
pMMC25-12M	25 mm	3/4" BSPP	£31.24
pMMC25-16M	25 mm	1" BSPP	£20.74
pMMC30-16M	30 mm	1" BSPP	£39.05
pMMC30-20M	30 mm	1 1/4" BSPP	£31.78
pMMC38-20M	38 mm	1 1/4" BSPP	£45.29
pMMC38-24M	38 mm	1 1/2" BSPP	£39.15

## LIGHT SERIES



**STUD COUPLING – FORM E**  
**BSPP MALE – WD CAPTIVE SEAL**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6-2WL	6 mm	1/8" BSPP	£2.76
pMMC6-4WL	6 mm	1/4" BSPP	£3.83
pMMC8-2WL	8 mm	1/8" BSPP	£4.97
pMMC8-4WL	8 mm	1/4" BSPP	£3.50
pMMC8-6WL	8 mm	3/8" BSPP	£4.66
pMMC10-4WL	10 mm	1/4" BSPP	£3.66
pMMC10-6WL	10 mm	3/8" BSPP	£4.58
pMMC10-8WL	10 mm	1/2" BSPP	£7.05
pMMC12-4WL	12 mm	1/4" BSPP	£4.91
pMMC12-6WL	12 mm	3/8" BSPP	£4.58
pMMC12-8WL	12 mm	1/2" BSPP	£6.55
pMMC15-6WL	15 mm	3/8" BSPP	£7.33
pMMC15-8WL	15 mm	1/2" BSPP	£6.28
pMMC15-12WL	15 mm	3/4" BSPP	£20.54
pMMC18-6WL	18 mm	3/8" BSPP	£21.55
pMMC18-8WL	18 mm	1/2" BSPP	£7.75
pMMC18-12WL	18 mm	3/4" BSPP	£13.71
pMMC22-8WL	22 mm	1/2" BSPP	£18.46
pMMC22-12WL	22 mm	3/4" BSPP	£11.03
pMMC22-16WL	22 mm	1" BSPP	£44.01
pMMC28-12WL	28 mm	3/4" BSPP	£42.13
pMMC28-16WL	28 mm	1" BSPP	£20.22
pMMC35-16WL	35 mm	1" BSPP	£54.58
pMMC35-20WL	35 mm	1 1/4" BSPP	£28.79
pMMC42-24WL	42 mm	1 1/2" BSPP	£34.30

## HEAVY SERIES



**STUD COUPLING – FORM E**  
**BSPP MALE – WD CAPTIVE SEAL**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC8-4W	8 mm	1/4" BSPP	£3.97
pMMC8-6W	8 mm	3/8" BSPP	£8.55
pMMC10-4W	10 mm	1/4" BSPP	£6.71
pMMC10-6W	10 mm	3/8" BSPP	£4.94
pMMC10-8W	10 mm	1/2" BSPP	£7.38
pMMC12-4W	12 mm	1/4" BSPP	£8.63
pMMC12-6W	12 mm	3/8" BSPP	£5.31
pMMC12-8W	12 mm	1/2" BSPP	£6.41
pMMC14-6W	14 mm	3/8" BSPP	£25.37
pMMC14-8W	14 mm	1/2" BSPP	£8.91
pMMC16-6W	16 mm	3/8" BSPP	£16.35
pMMC16-8W	16 mm	1/2" BSPP	£8.51
pMMC16-12W	16 mm	3/4" BSPP	£13.60
pMMC20-8W	20 mm	1/2" BSPP	£20.78
pMMC20-12W	20 mm	3/4" BSPP	£12.63
pMMC25-12W	25 mm	3/4" BSPP	£31.44
pMMC25-16W	25 mm	1" BSPP	£22.11
pMMC30-16W	30 mm	1" BSPP	£39.91
pMMC30-20W	30 mm	1 1/4" BSPP	£33.40
pMMC38-20W	38 mm	1 1/4" BSPP	£46.75
pMMC38-24W	38 mm	1 1/2" BSPP	£41.75

Five



**STUD COUPLING**  
**BSPT MALE**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6-2TL	6 mm	1/8" BSPT	£2.37
pMMC6-4TL	6 mm	1/4" BSPT	£14.87
pMMC8-4TL	8 mm	1/4" BSPT	£3.45
pMMC10-4TL	10 mm	1/4" BSPT	£3.84
pMMC12-4TL	12 mm	1/4" BSPT	£7.37
pMMC12-6TL	12 mm	3/8" BSPT	£4.16
pMMC12-8TL	12 mm	1/2" BSPT	£7.77
pMMC15-6TL	15 mm	3/8" BSPT	£13.85
pMMC15-8TL	15 mm	1/2" BSPT	£5.97
pMMC18-8TL	18 mm	1/2" BSPT	£7.70
pMMC22-12TL	22 mm	3/4" BSPT	£10.97



**STUD COUPLING**  
**BSPT MALE**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC8-4T	8 mm	1/4" BSPT	£8.55
pMMC10-6T	10 mm	3/8" BSPT	£5.30



**STUD COUPLING – FORM E**  
**METRIC – WD CAPTIVE SEAL**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6M10WL	6 mm	M10 x 1	£2.79
pMMC8M12WL	8 mm	M12 x 1.5	£3.34
pMMC10M14WL	10 mm	M14 x 1.5	£3.73
pMMC10M16WL	10 mm	M16 x 1.5	£6.42
pMMC12M16WL	12 mm	M16 x 1.5	£4.68
pMMC12M18WL	12 mm	M18 x 1.5	£7.81
pMMC15M22WL	15 mm	M22 x 1.5	£9.47
pMMC18M22WL	18 mm	M22 x 1.5	£7.94
pMMC22M26WL	22 mm	M26 x 1.5	£11.36
pMMC28M33WL	28 mm	M33 x 2	£19.95
pMMC35M42WL	35 mm	M42 x 2	£28.55
pMMC42M48WL	42 mm	M48 x 2	£35.70



**STUD COUPLING – FORM E**  
**METRIC – WD CAPTIVE SEAL**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6-M12W	6 mm	M12 x 1.5	£3.61
pMMC8-M14W	8 mm	M14 x 1.5	£3.99
pMMC10-M16W	10 mm	M16 x 1.5	£4.92
pMMC12-M18W	12 mm	M18 x 1.5	£5.41
pMMC14-M20W	14 mm	M20 x 1.5	£9.19
pMMC16-M22W	16 mm	M22 x 1.5	£8.67
pMMC20-M27W	20 mm	M27 x 2	£12.71
pMMC25-M33W	25 mm	M33 x 2	£21.94
pMMC30-M42W	30 mm	M42 x 2	£33.06
pMMC38-M48W	38 mm	M48 x 2	£41.75

## LIGHT SERIES

### STUD COUPLING NPT MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6-2NL	6 mm	1/8" NPT	£2.34
pMMC6-4NL	6 mm	1/4" NPT	£3.05
pMMC8-4NL	8 mm	1/4" NPT	£3.32
pMMC10-4NL	10 mm	1/4" NPT	£3.71
pMMC10-6NL	10 mm	3/8" NPT	£4.23
pMMC12-4NL	12 mm	1/4" NPT	£4.24
pMMC12-6NL	12 mm	3/8" NPT	£4.04
pMMC12-8NL	12 mm	1/2" NPT	£5.06
pMMC15-8NL	15 mm	1/2" NPT	£5.84
pMMC18-8NL	18 mm	1/2" NPT	£7.54
pMMC22-12NL	22 mm	3/4" NPT	£10.85
pMMC28-16NL	28 mm	1" NPT	£24.45
pMMC35-20NL	35 mm	1 1/4" NPT	£42.38
pMMC42-24NL	42 mm	1 1/2" NPT	£40.32

## HEAVY SERIES

### STUD COUPLING NPT MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6-4N	6 mm	1/4" NPT	£3.75
pMMC10-4N	10 mm	1/4" NPT	£4.70
pMMC10-6N	10 mm	3/8" NPT	£5.03
pMMC12-4N	12 mm	1/4" NPT	£5.69
pMMC12-6N	12 mm	3/8" NPT	£5.90
pMMC12-8N	12 mm	1/2" NPT	£6.10
pMMC14-8N	14 mm	1/2" NPT	£8.56
pMMC16-8N	16 mm	1/2" NPT	£9.06
pMMC20-12N	20 mm	3/4" NPT	£13.71
pMMC25-16N	25 mm	1" NPT	£23.21
pMMC30-20N	30 mm	1 1/4" NPT	£35.23
pMMC38-24N	38 mm	1 1/2" NPT	£46.19

Five

### STUD COUPLING – FORM B METRIC METAL TO METAL SEAL



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6M10ML	6 mm	M10 x 1.0	£2.21
pMMC10M14ML	10 mm	M14 x 1.5	£3.02
pMMC10M16ML	10 mm	M16 x 1.5	£5.29
pMMC10M18ML	10 mm	M18 x 1.5	£7.82
pMMC10M22ML	10 mm	M22 x 1.5	£15.05
pMMC12M14ML	12 mm	M14 x 1.5	£11.12
pMMC12M16ML	12 mm	M16 x 1.5	£3.98
pMMC12M18ML	12 mm	M18 x 1.5	£7.15
pMMC12M22ML	12 mm	M22 x 1.5	£8.08
pMMC15M16ML	15 mm	M16 x 1.5	£11.98
pMMC15M18ML	15 mm	M18 x 1.5	£4.79
pMMC15M22ML	15 mm	M22 x 1.5	£8.73
pMMC18M18ML	18 mm	M18 x 1.5	£7.87
pMMC18M22ML	18 mm	M22 x 1.5	£7.12
pMMC22M22ML	22 mm	M22 x 1.5	£33.46
pMMC22M26ML	22 mm	M26 x 1.5	£10.56
pMMC28M33ML	28 mm	M33 x 2.0	£18.55
pMMC35M42ML	35 mm	M42 x 2.0	£26.68
pMMC42M48ML	42 mm	M48 x 2.0	£32.98

### STUD COUPLING – FORM B METRIC METAL TO METAL SEAL



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMMC6-M12M	6 mm	M12 x 1.5	£3.01
pMMC8-M14M	8 mm	M14 x 1.5	£3.30
pMMC10-M16M	10 mm	M16 x 1.5	£4.23
pMMC12-M18M	12 mm	M18 x 1.5	£4.61
pMMC12-M22M	12 mm	M22 x 1.5	£29.66
pMMC14-M20M	14 mm	M20 x 1.5	£8.49
pMMC16-M18M	16 mm	M18 x 1.5	£15.28
pMMC20-M27M	20 mm	M27 x 2.0	£11.95
pMMC25-M33M	25 mm	M33 x 2.0	£20.54
pMMC30-M42M	30 mm	M42 x 2.0	£31.27
pMMC38-M48M	38 mm	M48 x 2.0	£38.93

### STUD COUPLING BSPP FEMALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMFC6-2L	6 mm	1/8" BSPP	£3.73
pMFC8-4L	8 mm	1/4" BSPP	£3.99
pMFC8-6L	8 mm	3/8" BSPP	£13.99
pMFC8-8L	8 mm	1/2" BSPP	£21.89
pMFC10-4L	10 mm	1/4" BSPP	£4.35
pMFC10-6L	10 mm	3/8" BSPP	£22.18
pMFC10-8L	10 mm	1/2" BSPP	£30.46
pMFC12-6L	12 mm	3/8" BSPP	£5.31
pMFC12-8L	12 mm	1/2" BSPP	£18.65
pMFC15-8L	15 mm	1/2" BSPP	£7.37
pMFC18-8L	18 mm	1/2" BSPP	£9.76
pMFC22-12L	22 mm	3/4" BSPP	£14.47
pMFC28-16L	28 mm	1" BSPP	£37.06
pMFC35-20L	35 mm	1 1/4" BSPP	£57.94
pMFC42-24L	42 mm	1 1/2" BSPP	£63.63

### STUD COUPLING BSPP FEMALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMFC6-4	6 mm	1/4" BSPP	£7.30
pMFC8-4	8 mm	1/4" BSPP	£7.47
pMFC10-6	10 mm	3/8" BSPP	£18.67
pMFC12-6	12 mm	3/8" BSPP	£9.96
pMFC14-8	14 mm	1/2" BSPP	£19.70
pMFC16-8	16 mm	1/2" BSPP	£13.43
pMFC20-12	20 mm	3/4" BSPP	£22.13
pMFC25-16	25 mm	1" BSPP	£43.31
pMFC30-20	30 mm	1 1/4" BSPP	£58.84
pMFC38-24	38 mm	1 1/2" BSPP	£69.87

## LIGHT SERIES



**PRESSURE GAUGE ADAPTOR  
BSPP FEMALE**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMFGC6-4L	6 mm	1/4" BSPP	£5.23
pMFGC8-4L	8 mm	1/4" BSPP	£5.30
pMFGC10-4L	10 mm	1/4" BSPP	£5.86
pMFGC12-4L	12 mm	1/4" BSPP	£6.42

## HEAVY SERIES



**PRESSURE GAUGE ADAPTOR  
BSPP FEMALE**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMFGC6-8	6 mm	1/2" BSPP	£9.26
pMPGA8-8	8 mm	1/2" BSPP	£9.41
pMPGA10-8	10 mm	1/2" BSPP	£9.87
pMPGA12-8	12 mm	1/2" BSPP	£10.10



**REDUCING CONNECTOR  
METRIC**

8610

PART NUMBER	THREAD	TUBE OD	PRICE
pMRA8-6L	M14 x 1.5	6 mm	£6.77
pMRA10-6L	M16 x 1.5	6 mm	£7.06
pMRA10-8L	M16 x 1.5	8 mm	£7.16
pMRA12-6L	M18 x 1.5	6 mm	£7.49
pMRA12-8L	M18 x 1.5	8 mm	£7.57
pMRA12-10L	M18 x 1.5	10 mm	£7.72
pMRA15-6L	M22 x 1.5	6 mm	£8.69
pMRA15-8L	M22 x 1.5	8 mm	£8.42
pMRA15-10L	M22 x 1.5	10 mm	£8.58
pMRA15-12L	M22 x 1.5	12 mm	£8.86
pMRA18-6L	M26 x 1.5	6 mm	£17.38
pMRA18-8L	M26 x 1.5	8 mm	£10.88
pMRA18-10L	M26 x 1.5	10 mm	£10.90
pMRA18-12L	M26 x 1.5	12 mm	£11.18
pMRA18-15L	M26 x 1.5	15 mm	£11.74
pMRA22-6L	M30 x 2	6 mm	£22.27
pMRA22-8L	M30 x 2	8 mm	£20.11
pMRA22-10L	M30 x 2	10 mm	£18.82
pMRA22-12L	M30 x 2	12 mm	£14.05
pMRA22-15L	M30 x 2	15 mm	£14.59
pMRA22-18L	M30 x 2	18 mm	£16.10
pMRA28-6L	M36 x 2	6 mm	£34.44
pMRA28-8L	M36 x 2	8 mm	£32.66
pMRA28-10L	M36 x 2	10 mm	£27.18
pMRA28-12L	M36 x 2	12 mm	£25.33
pMRA28-15L	M36 x 2	15 mm	£25.45
pMRA28-18L	M36 x 2	18 mm	£26.94
pMRA28-22L	M36 x 2	22 mm	£28.23
pMRA35-15L	M45 x 2	15 mm	£46.90
pMRA35-18L	M45 x 2	18 mm	£40.35
pMRA35-22L	M45 x 2	22 mm	£37.43
pMRA35-28L	M45 x 2	28 mm	£39.84
pMRA42-18L	M52 x 2	18 mm	£72.54
pMRA42-22L	M52 x 2	22 mm	£48.47
pMRA42-28L	M52 x 2	28 mm	£49.45
pMRA42-35L	M52 x 2	35 mm	£55.97



**REDUCING CONNECTOR  
METRIC**

8610

PART NUMBER	THREAD	TUBE OD	PRICE
pMRA8-6	M16 x 1.5	6 mm	£14.80
pMRA10-6	M18 x 1.5	6 mm	£9.84
pMRA10-8	M18 x 1.5	8 mm	£9.93
pMRA12-6	M20 x 1.5	6 mm	£8.58
pMRA12-8	M20 x 1.5	8 mm	£8.65
pMRA12-10	M20 x 1.5	10 mm	£9.03
pMRA14-6	M22 x 1.5	6 mm	£23.24
pMRA14-8	M22 x 1.5	8 mm	£22.74
pMRA14-10	M22 x 1.5	10 mm	£23.13
pMRA14-12	M22 x 1.5	12 mm	£23.39
pMRA16-6	M24 x 1.5	6 mm	£16.04
pMRA16-8	M24 x 1.5	8 mm	£11.61
pMRA16-10	M24 x 1.5	10 mm	£11.97
pMRA16-12	M24 x 1.5	12 mm	£12.24
pMRA16-14	M24 x 1.5	14 mm	£27.30
pMRA20-6	M30 x 2	6 mm	£25.85
pMRA20-8	M30 x 2	8 mm	£19.98
pMRA20-10	M30 x 2	10 mm	£17.53
pMRA20-12	M30 x 2	12 mm	£15.24
pMRA20-14	M30 x 2	14 mm	£37.01
pMRA20-16	M30 x 2	16 mm	£17.23
pMRA25-6	M36 x 2	6 mm	£35.46
pMRA25-8	M36 x 2	8 mm	£34.87
pMRA25-10	M36 x 2	10 mm	£32.38
pMRA25-12	M36 x 2	12 mm	£26.13
pMRA25-14	M36 x 2	14 mm	£55.15
pMRA25-16	M36 x 2	16 mm	£26.68
pMRA25-20	M36 x 2	20 mm	£29.35
pMRA30-8	M42 x 2	8 mm	£42.48
pMRA30-10	M42 x 2	10 mm	£39.92
pMRA30-12	M42 x 2	12 mm	£34.15
pMRA30-16	M42 x 2	16 mm	£34.61
pMRA30-20	M42 x 2	20 mm	£35.59
pMRA30-25	M42 x 2	25 mm	£41.16
pMRA38-12	M52 x 2	12 mm	£65.88
pMRA38-16	M52 x 2	16 mm	£56.83
pMRA38-20	M52 x 2	20 mm	£54.70
pMRA38-25	M52 x 2	25 mm	£58.70
pMRA38-30	M52 x 2	30 mm	£61.18

For Hydraulic  
Steel Tube,  
see page 291.

## LIGHT SERIES



### REDUCING COUPLING

8610

PART NUMBER	TUBE OD	TUBE OD	PRICE
pMRC8-6L	8 mm	6 mm	£6.82
pMRC10-6L	10 mm	6 mm	£7.50
pMRC10-8L	10 mm	8 mm	£7.74
pMRC12-6L	12 mm	6 mm	£8.49
pMRC12-8L	12 mm	8 mm	£8.67
pMRC12-10L	12 mm	10 mm	£8.93
pMRC15-10L	15 mm	10 mm	£11.11
pMRC15-12L	15 mm	12 mm	£11.40
pMRC18-10L	18 mm	10 mm	£20.97
pMRC18-12L	18 mm	12 mm	£15.55
pMRC18-15L	18 mm	15 mm	£16.27
pMRC22-12L	22 mm	12 mm	£24.86
pMRC22-15L	22 mm	15 mm	£21.92
pMRC22-18L	22 mm	18 mm	£21.92
pMRC28-18L	28 mm	18 mm	£41.34
pMRC28-22L	28 mm	22 mm	£41.72
pMRC35-22L	35 mm	22 mm	£54.88
pMRC35-28L	35 mm	28 mm	£59.18

## HEAVY SERIES



### REDUCING COUPLING

8610

PART NUMBER	TUBE OD	TUBE OD	PRICE
pMRC8-6	8 mm	6 mm	£9.55
pMRC10-6	10 mm	6 mm	£14.17
pMRC10-8	10 mm	8 mm	£12.02
pMRC12-6	12 mm	6 mm	£12.27
pMRC12-8	12 mm	8 mm	£12.32
pMRC12-10	12 mm	10 mm	£12.79
pMRC14-10	14 mm	10 mm	£23.44
pMRC14-12	14 mm	12 mm	£23.03
pMRC16-12	16 mm	12 mm	£16.89
pMRC16-14	16 mm	14 mm	£24.23
pMRC20-10	20 mm	10 mm	£22.98
pMRC20-12	20 mm	12 mm	£23.71
pMRC20-16	20 mm	16 mm	£24.60
pMRC25-16	25 mm	16 mm	£44.17
pMRC25-20	25 mm	20 mm	£43.68
pMRC30-20	30 mm	20 mm	£58.70
pMRC30-25	30 mm	25 mm	£62.56
pMRC38-30	38 mm	30 mm	£87.74



### ADJUSTABLE RUN TEE METRIC

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMSRT6-12L	6 mm	M12 x 1.5	£15.70
pMSRT8-14L	8 mm	M14 x 1.5	£15.80
pMSRT10-16L	10 mm	M16 x 1.5	£17.32
pMSRT12-18L	12 mm	M18 x 1.5	£19.42
pMSRT15-22L	15 mm	M22 x 1.5	£25.26
pMSRT18-26L	18 mm	M26 x 1.5	£35.09
pMSRT22-30L	22 mm	M30 x 2	£50.25
pMSRT28-36L	28 mm	M36 x 2	£75.92
pMSRT35-45L	35 mm	M45 x 2	£103.43
pMSRT42-52L	42 mm	M52 x 2	£155.85



### ADJUSTABLE RUN TEE METRIC

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMSRT6-14	6 mm	M14 x 1.5	£17.76
pMSRT8-16	8 mm	M16 x 1.5	£17.67
pMSRT10-18	10 mm	M18 x 1.5	£21.96
pMSRT12-20	12 mm	M20 x 1.5	£24.21
pMSRT14-22	14 mm	M22 x 1.5	£37.22
pMSRT16-24	16 mm	M24 x 1.5	£37.45
pMSRT20-30	20 mm	M30 x 2	£53.64
pMSRT25-36	25 mm	M36 x 2	£82.67
pMSRT30-42	30 mm	M42 x 2	£106.23
pMSRT38-52	38 mm	M52 x 2	£169.54



### ADJUSTABLE BRANCH TEE METRIC

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMSBT6-12L	6 mm	M12 x 1.5	£15.29
pMSBT8-14L	8 mm	M14 x 1.5	£15.94
pMSBT10-16L	10 mm	M16 x 1.5	£18.06
pMSBT12-18L	12 mm	M18 x 1.5	£18.45
pMSBT15-22L	15 mm	M22 x 1.5	£24.71
pMSBT18-26L	18 mm	M26 x 1.5	£33.45
pMSBT22-30L	22 mm	M30 x 2	£51.65
pMSBT28-36L	28 mm	M36 x 2	£76.70
pMSBT35-45L	35 mm	M45 x 2	£101.65
pMSBT42-52L	42 mm	M52 x 2	£153.73



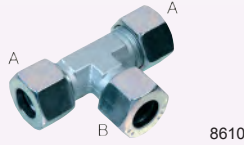
### ADJUSTABLE BRANCH TEE METRIC

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMSBT6-14	6 mm	M14 x 1.5	£17.45
pMSBT8-16	8 mm	M16 x 1.5	£19.19
pMSBT10-18	10 mm	M18 x 1.5	£21.26
pMSBT12-20	12 mm	M20 x 1.5	£23.97
pMSBT14-22	14 mm	M22 x 1.5	£70.25
pMSBT16-24	16 mm	M24 x 1.5	£34.96
pMSBT20-30	20 mm	M30 x 2	£54.98
pMSBT25-36	25 mm	M36 x 2	£82.05
pMSBT30-42	30 mm	M42 x 2	£104.17
pMSBT38-52	38 mm	M52 x 2	£165.55

## LIGHT SERIES

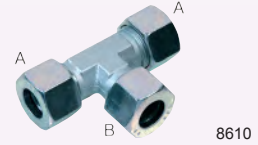
### REDUCING BRANCH TEE METRIC



PART NUMBER	TUBE OD (A)	TUBE OD (B)	PRICE
pMT8-6L	8 mm	6 mm	£19.58
pMT10-8L	10 mm	8 mm	£29.52
pMT12-10L	12 mm	10 mm	£26.08
pMT15-12L	15 mm	12 mm	£38.28
pMT18-15L	18 mm	15 mm	£55.21
pMT22-18L	22 mm	18 mm	£80.40
pMT28-22L	28 mm	22 mm	£113.42

## HEAVY SERIES

### REDUCING BRANCH TEE METRIC



PART NUMBER	TUBE OD (A)	TUBE OD (B)	PRICE
pMT10-6	10 mm	6 mm	£44.70
pMT12-8	12 mm	8 mm	£59.03
pMT12-10	12 mm	10 mm	£93.55
pMT16-12	16 mm	12 mm	£55.26
pMT20-16	20 mm	16 mm	£95.17
pMT25-20	25 mm	20 mm	£120.42

### BANJO COUPLING BSPP MALE



PART NUMBER	TUBE OD	THREAD	PRICE
pMBJ6-2L	6 mm	1/8" BSPP	£14.12
pMBJ8-4L	8 mm	1/4" BSPP	£16.91
pMBJ10-4L	10 mm	1/4" BSPP	£17.52
pMBJ12-6L	12 mm	3/8" BSPP	£20.49
pMBJ15-8L	15 mm	1/2" BSPP	£25.84
pMBJ18-8L	18 mm	1/2" BSPP	£30.91
pMBJ22-12L	22 mm	3/4" BSPP	£44.27

### BANJO COUPLING BSPP MALE



PART NUMBER	TUBE OD	THREAD	PRICE
pMBJ6-4	6 mm	1/4" BSPP	£17.22
pMBJ8-4	8 mm	1/4" BSPP	£18.55
pMBJ10-6	10 mm	3/8" BSPP	£21.18
pMBJ12-6	12 mm	3/8" BSPP	£22.48
pMBJ14-8	14 mm	1/2" BSPP	£34.59
pMBJ16-8	16 mm	1/2" BSPP	£31.78
pMBJ20-12	20 mm	3/4" BSPP	£44.77

### BANJO TEE COUPLING BSPP MALE



PART NUMBER	TUBE OD	THREAD	PRICE
pMBJT6-2L	6 mm	1/8" BSPP	£28.08
pMBJT8-4L	8 mm	1/4" BSPP	£30.84
pMBJT10-4L	10 mm	1/4" BSPP	£35.59
pMBJT12-6L	12 mm	3/8" BSPP	£38.43
pMBJT15-8L	15 mm	1/2" BSPP	£56.33
pMBJT18-8L	18 mm	1/2" BSPP	£68.96
pMBJT22-12L	22 mm	3/4" BSPP	£124.67
pMBJT28-16L	28 mm	1" BSPP	£256.93
pMBJT35-20L	35 mm	1 1/4" BSPP	£417.90
pMBJT42-24L	42 mm	1 1/2" BSPP	£462.94

### BANJO TEE COUPLING BSPP MALE



PART NUMBER	TUBE OD	THREAD	PRICE
pMBJT6-4	6 mm	1/4" BSPP	£32.51
pMBJT8-4	8 mm	1/4" BSPP	£37.22
pMBJT10-6	10 mm	3/8" BSPP	£41.03
pMBJT12-6	12 mm	3/8" BSPP	£53.45
pMBJT14-8	14 mm	1/2" BSPP	£66.23
pMBJT16-8	16 mm	1/2" BSPP	£74.10
pMBJT20-12	20 mm	3/4" BSPP	£136.42
pMBJT25-16	25 mm	1" BSPP	£257.49
pMBJT30-20	30 mm	1 1/4" BSPP	£353.35
pMBJT38-24	38 mm	1 1/2" BSPP	£422.74

### SWIVEL COUPLING METRIC FEMALE



PART NUMBER	THREAD	PRICE
pMSFC6L	M12 x 1.5	£13.57
pMSFC8L	M14 x 1.5	£14.59
pMSFC10L	M16 x 1.5	£15.14
pMSFC12L	M18 x 1.5	£16.22
pMSFC15L	M22 x 1.5	£18.17
pMSFC18L	M26 x 1.5	£19.98
pMSFC22L	M30 x 2	£22.79
pMSFC28L	M36 x 2	£34.23
pMSFC35L	M45 x 2	£40.51
pMSFC42L	M52 x 2	£49.19

### SWIVEL COUPLING METRIC FEMALE



PART NUMBER	THREAD	PRICE
pMSFC6	M14 x 1.5	£16.35
pMSFC8	M16 x 1.5	£17.52
pMSFC10	M18 x 1.5	£17.98
pMSFC12	M20 x 1.5	£19.32
pMSFC14	M22 x 1.5	£24.36
pMSFC16	M24 x 1.5	£22.85
pMSFC20	M30 x 2	£26.70
pMSFC25	M36 x 2	£34.21
pMSFC30	M42 x 2	£50.03
pMSFC38	M52 x 2	£56.16



## LIGHT SERIES



**CHOKE FREE BANJO COUPLING  
BSPP MALE**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMBJ62CFL	6 mm	1/8" BSPP	£14.98
pMBJ84CFL	8 mm	1/4" BSPP	£16.07
pMBJ104CFL	10 mm	1/4" BSPP	£16.47
pMBJ126CFL	12 mm	3/8" BSPP	£21.03
pMBJ158CFL	15 mm	1/2" BSPP	£26.24
pMBJ188CFL	18 mm	1/2" BSPP	£36.00
pMBJ2212CFL	22 mm	3/4" BSPP	£57.30
pMBJ2816CFL	28 mm	1" BSPP	£91.05
pMBJ3520CFL	35 mm	1 1/4" BSPP	£135.89
pMBJ4224CFL	42 mm	1 1/2" BSPP	£182.81

## HEAVY SERIES



**CHOKE FREE BANJO COUPLING  
BSPP MALE**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMBJ6-4CF	6 mm	1/4" BSPP	£16.40
pMBJ8-4CF	8 mm	1/4" BSPP	£17.13
pMBJ10-6CF	10 mm	3/8" BSPP	£21.99
pMBJ12-6CF	12 mm	3/8" BSPP	£22.27
pMBJ14-8CF	14 mm	1/2" BSPP	£31.37
pMBJ16-8CF	16 mm	1/2" BSPP	£36.12
pMBJ20-12CF	20 mm	3/4" BSPP	£59.68
pMBJ25-16CF	25 mm	1" BSPP	£92.85
pMBJ30-20CF	30 mm	1 1/4" BSPP	£141.07
pMBJ38-24CF	38 mm	1 1/2" BSPP	£193.82



**BLANKING PLUG**

8610

PART NUMBER	TUBE OD	PRICE
pMBP6	6 mm	£1.12
pMBP8	8 mm	£1.38
pMBP10	10 mm	£1.48
pMBP15L	15 mm	£2.37
pMBP18L	18 mm	£2.59
pMBP22L	22 mm	£4.09
pMBP28L	28 mm	£6.83
pMBP35L	35 mm	£13.46
pMBP42L	42 mm	£20.82



**BLANKING PLUG**

8610

PART NUMBER	TUBE OD	PRICE
pMBP6	6 mm	£1.12
pMBP8	8 mm	£1.38
pMBP10	10 mm	£1.48
pMBP12	12 mm	£1.78
pMBP14	14 mm	£4.49
pMBP16	16 mm	£2.54
pMBP20	20 mm	£3.85
pMBP25	25 mm	£5.44
pMBP30	30 mm	£9.48
pMBP38	38 mm	£17.45



**STANDPIPE ADAPTOR – FORM E  
BSPP MALE – WD CAPTIVE SEAL**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMSA6-2L	6 mm	1/8" BSPP	£7.17
pMSA8-4L	8 mm	1/4" BSPP	£7.55
pMSA10-4L	10 mm	1/4" BSPP	£7.81
pMSA12-4L	12 mm	1/4" BSPP	£13.94
pMSA12-6L	12 mm	3/8" BSPP	£8.09
pMSA15-8L	15 mm	1/2" BSPP	£10.78
pMSA18-8L	18 mm	1/2" BSPP	£12.20
pMSA22-12L	22 mm	3/4" BSPP	£18.17
pMSA28-16L	28 mm	1" BSPP	£26.74
pMSA35-20L	35 mm	1 1/4" BSPP	£46.57
pMSA42-24L	42 mm	1 1/2" BSPP	£51.31



**STANDPIPE ADAPTOR – FORM E  
BSPP MALE – WD CAPTIVE SEAL**

8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMSA6-4	6 mm	1/4" BSPP	£8.24
pMSA8-4	8 mm	1/4" BSPP	£8.36
pMSA10-6	10 mm	3/8" BSPP	£8.52
pMSA12-6	12 mm	3/8" BSPP	£8.75
pMSA12-8	12 mm	1/2" BSPP	£22.94
pMSA14-8	14 mm	1/2" BSPP	£17.17
pMSA16-8	16 mm	1/2" BSPP	£13.44
pMSA20-12	20 mm	3/4" BSPP	£19.79
pMSA25-16	25 mm	1" BSPP	£28.60
pMSA30-20	30 mm	1 1/4" BSPP	£43.50
pMSA38-24	38 mm	1 1/2" BSPP	£67.38



**EQUAL CROSS**

8610

PART NUMBER	TUBE OD	PRICE
pMX6L	6 mm	£30.47
pMX8L	8 mm	£33.53
pMX10L	10 mm	£36.28
pMX12L	12 mm	£40.19
pMX15L	15 mm	£47.69
pMX18L	18 mm	£61.67
pMX22L	22 mm	£101.28
pMX28L	28 mm	£118.32
pMX35L	35 mm	£162.10
pMX42L	42 mm	£249.36



**EQUAL CROSS**

8610

PART NUMBER	TUBE OD	PRICE
pMX6	6 mm	£36.49
pMX8	8 mm	£39.64
pMX10	10 mm	£42.74
pMX12	12 mm	£45.34
pMX14	14 mm	£67.53
pMX16	16 mm	£66.16
pMX20	20 mm	£95.06
pMX25	25 mm	£118.43
pMX30	30 mm	£159.97
pMX38	38 mm	£252.98

## LIGHT SERIES

### BLANKING CAP 24° CONE



8610

PART NUMBER	TUBE OD	PRICE
pMBC6L	6 mm	£4.28
pMBC8L	8 mm	£4.90
pMBC10L	10 mm	£5.66
pMBC12L	12 mm	£6.75
pMBC15L	15 mm	£9.36
pMBC18L	18 mm	£14.22
pMBC22L	22 mm	£19.89
pMBC28L	28 mm	£36.30
pMBC35L	35 mm	£54.05
pMBC42L	42 mm	£75.22

## HEAVY SERIES

### BLANKING CAP 24° CONE



8610

PART NUMBER	TUBE OD	PRICE
pMBC6	6 mm	£4.98
pMBC8	8 mm	£5.81
pMBC10	10 mm	£6.88
pMBC12	12 mm	£8.05
pMBC14	14 mm	£14.30
pMBC16	16 mm	£15.05
pMBC20	20 mm	£22.41
pMBC25	25 mm	£37.69
pMBC30	30 mm	£55.11
pMBC38	38 mm	£79.70

### STUD ELBOW BSPT MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMME6-2TL	6 mm	1/8" BSPT	£7.29
pMME8-4TL	8 mm	1/4" BSPT	£7.87
pMME8-6TL	8 mm	3/8" BSPT	£24.89
pMME10-4TL	10 mm	1/4" BSPT	£8.58
pMME12-4TL	12 mm	1/4" BSPT	£14.85
pMME12-6TL	12 mm	3/8" BSPT	£10.37
pMME15-8TL	15 mm	1/2" BSPT	£12.65
pMME18-8TL	18 mm	1/2" BSPT	£16.93
pMME22-12TL	22 mm	3/4" BSPT	£45.99
pMME28-16TL	28 mm	1" BSPT	£71.04

### STUD ELBOW BSPT MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMME6-4T	6 mm	1/4" BSPT	£8.50
pMME8-4T	8 mm	1/4" BSPT	£9.78
pMME10-6T	10 mm	3/8" BSPT	£11.23
pMME12-6T	12 mm	3/8" BSPT	£12.57
pMME14-8T	14 mm	1/2" BSPT	£27.40
pMME16-8T	16 mm	1/2" BSPT	£18.37
pMME20-12T	20 mm	3/4" BSPT	£58.63
pMME25-16T	25 mm	1" BSPT	£64.45
pMME30-20T	30 mm	1 1/4" BSPT	£115.52
pMME38-24T	38 mm	1 1/2" BSPT	£135.61

### STUD ELBOW NPT MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMME6-2NL	6 mm	1/8" NPT	£8.29
pMME6-4NL	6 mm	1/4" NPT	£11.87
pMME8-4NL	8 mm	1/4" NPT	£8.95
pMME10-4NL	10 mm	1/4" NPT	£9.91
pMME12-4NL	12 mm	1/4" NPT	£13.84
pMME12-6NL	12 mm	3/8" NPT	£12.08
pMME12-8NL	12 mm	1/2" NPT	£20.74
pMME15-8NL	15 mm	1/2" NPT	£15.84
pMME18-8NL	18 mm	1/2" NPT	£23.59
pMME22-12NL	22 mm	3/4" NPT	£30.06
pMME28-16NL	28 mm	1" NPT	£49.35
pMME35-20NL	35 mm	1 1/4" NPT	£75.65
pMME42-24NL	42 mm	1 1/2" NPT	£111.84

### STUD ELBOW NPT MALE



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMME6-4N	6 mm	1/4" NPT	£9.63
pMME8-4N	8 mm	1/4" NPT	£11.05
pMME10-6N	10 mm	3/8" NPT	£12.40
pMME12-6N	12 mm	3/8" NPT	£13.80
pMME14-8N	14 mm	1/2" NPT	£30.04
pMME16-8N	16 mm	1/2" NPT	£20.82
pMME20-12N	20 mm	3/4" NPT	£32.99
pMME25-16N	25 mm	1" NPT	£63.25
pMME30-20N	30 mm	1 1/4" NPT	£81.19
pMME38-24N	38 mm	1 1/2" NPT	£124.08

### ADJUSTABLE ELBOW METRIC



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMSE6-12L	6 mm	M12 x 1.5	£9.54
pMSE8-14L	8 mm	M14 x 1.5	£9.59
pMSE10-16L	10 mm	M16 x 1.5	£10.49
pMSE12-18L	12 mm	M18 x 1.5	£14.32
pMSE15-22L	15 mm	M22 x 1.5	£14.85
pMSE18-26L	18 mm	M26 x 2	£21.27
pMSE22-30L	22 mm	M30 x 2	£29.11
pMSE28-36L	28 mm	M36 x 2	£44.85
pMSE35-45L	35 mm	M45 x 2	£67.19
pMSE42-52L	42 mm	M52 x 2	£94.54

### ADJUSTABLE ELBOW METRIC



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMSE6-14	6 mm	M14 x 1.5	£10.89
pMSE8-16	8 mm	M16 x 1.5	£12.19
pMSE10-18	10 mm	M18 x 1.5	£13.76
pMSE12-20	12 mm	M20 x 1.5	£14.23
pMSE14-22	14 mm	M22 x 1.5	£20.76
pMSE16-24	16 mm	M24 x 1.5	£21.98
pMSE20-30	20 mm	M30 x 2	£31.33
pMSE25-36	25 mm	M36 x 2	£47.76
pMSE30-42	30 mm	M42 x 2	£66.99
pMSE38-52	38 mm	M52 x 2	£100.12

## LIGHT SERIES

### NON RETURN VALVE 1 BAR OPENING PRESSURE



8610

PART NUMBER	TUBE OD	PRICE
pMNRV6L	6 mm	£22.25
pMNRV8L	8 mm	£23.24
pMNRV10L	10 mm	£28.18
pMNRV12L	12 mm	£35.46
pMNRV15L	15 mm	£46.12
pMNRV18L	18 mm	£61.25
pMNRV22L	22 mm	£98.14
pMNRV28L	28 mm	£139.10
pMNRV35L	35 mm	£178.88
pMNRV42L	42 mm	£203.66

## HEAVY SERIES

### NON RETURN VALVE 1 BAR OPENING PRESSURE



8610

PART NUMBER	TUBE OD	PRICE
pMNRV6	6 mm	£29.70
pMNRV8	8 mm	£30.61
pMNRV10	10 mm	£36.70
pMNRV12	12 mm	£38.79
pMNRV14	14 mm	£65.75
pMNRV16	16 mm	£62.22
pMNRV20	20 mm	£100.85
pMNRV25	25 mm	£124.66
pMNRV30	30 mm	£156.28
pMNRV38	38 mm	£199.42

### NON RETURN VALVE – FORM E BSPP MALE – WD CAPTIVE SEAL FLOW FROM MALE STUD



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMNRV6-2L	6 mm	1/8" BSPP	£21.49
pMNRV8-4L	8 mm	1/4" BSPP	£23.63
pMNRV10-4L	10 mm	1/4" BSPP	£28.58
pMNRV12-6L	12 mm	3/8" BSPP	£35.23
pMNRV15-8L	15 mm	1/2" BSPP	£44.12
pMNRV18-8L	18 mm	1/2" BSPP	£60.72
pMNRV22-12L	22 mm	3/4" BSPP	£97.52
pMNRV28-16L	28 mm	1" BSPP	£140.77
pMNRV35-20L	35 mm	1 1/4" BSPP	£181.32
pMNRV42-24L	42 mm	1 1/2" BSPP	£198.33

### NON RETURN VALVE – FORM E BSPP MALE – WD CAPTIVE SEAL FLOW FROM MALE STUD



8610

PART NUMBER	TUBE OD	THREAD	PRICE
pMNRV6-4	6 mm	1/4" BSPP	£29.82
pMNRV8-4	8 mm	1/4" BSPP	£30.37
pMNRV10-6	10 mm	3/8" BSPP	£36.71
pMNRV12-6	12 mm	3/8" BSPP	£38.83
pMNRV14-8	14 mm	1/2" BSPP	£65.78
pMNRV16-8	16 mm	1/2" BSPP	£61.57
pMNRV20-12	20 mm	3/4" BSPP	£98.40
pMNRV25-16	25 mm	1" BSPP	£118.57
pMNRV30-20	30 mm	1 1/4" BSPP	£156.23
pMNRV38-24	38 mm	1 1/2" BSPP	£196.18

### NON RETURN VALVE – FORM E BSPP MALE – WD CAPTIVE SEAL FLOW TOWARDS MALE STUD



8610

PART NUMBER	THREAD	TUBE OD	PRICE
pMNRV2-6L	1/8" BSPP	6 mm	£21.25
pMNRV4-8L	1/4" BSPP	8 mm	£23.47
pMNRV4-10L	1/4" BSPP	10 mm	£28.46
pMNRV6-12L	3/8" BSPP	12 mm	£35.10
pMNRV8-15L	1/2" BSPP	15 mm	£43.91
pMNRV8-18L	1/2" BSPP	18 mm	£60.45
pMNRV12-22L	3/4" BSPP	22 mm	£97.20
pMNRV16-28L	1" BSPP	28 mm	£140.32
pMNRV20-35L	1 1/4" BSPP	35 mm	£180.87
pMNRV24-42L	1 1/2" BSPP	42 mm	£197.80

### NON RETURN VALVE – FORM E BSPP MALE – WD CAPTIVE SEAL FLOW TOWARDS MALE STUD



8610

PART NUMBER	THREAD	TUBE OD	PRICE
pMNRV4-6	1/4" BSPP	6 mm	£29.91
pMNRV4-8	1/4" BSPP	8 mm	£30.24
pMNRV6-10	3/8" BSPP	10 mm	£36.54
pMNRV6-12	3/8" BSPP	12 mm	£38.58
pMNRV8-14	1/2" BSPP	14 mm	£68.05
pMNRV8-16	1/2" BSPP	16 mm	£61.32
pMNRV12-20	3/4" BSPP	20 mm	£98.14
pMNRV16-25	1" BSPP	25 mm	£118.24
pMNRV20-30	1 1/4" BSPP	30 mm	£155.80
pMNRV24-38	1 1/2" BSPP	38 mm	£195.66

## METRIC

### ALLEN KEY HEAD PLUG METRIC MALE



8610

PART NUMBER	TUBE OD	PRICE
pMAKPM10	M10 x 1	£2.71
pMAKPM12	M12 x 1.5	£3.61
pMAKPM14	M14 x 1.5	£3.87
pMAKPM16	M16 x 1.5	£4.66
pMAKPM18	M18 x 1.5	£4.52
pMAKPM20	M20 x 1.5	£6.29
pMAKPM22	M22 x 1.5	£5.81
pMAKPM26	M26 x 1.5	£8.69
pMAKPM27	M27 x 2	£7.71
pMAKPM33	M33 x 2	£10.19
pMAKPM42	M42 x 2	£14.74
pMAKPM48	M48 x 2	£20.27

## IMPERIAL

### ALLEN KEY HEAD PLUG BSPP MALE



8610

PART NUMBER	THREAD	PRICE
pMAKP2	1/8" BSPP	£2.22
pMAKP4	1/4" BSPP	£2.45
pMAKP6	3/8" BSPP	£2.84
pMAKP8	1/2" BSPP	£3.93
pMAKP12	3/4" BSPP	£5.18
pMAKP16	1" BSPP	£9.98
pMAKP20	1 1/4" BSPP	£16.89
pMAKP24	1 1/2" BSPP	£19.74



# STAINLESS STEEL HYDRAULIC COMPRESSION FITTINGS

# PARKAIR®

## SPECIFICATIONS

Temperature range	-20°C to +220°C
Materials	316 stainless steel

## LIGHT SERIES



### STRAIGHT COUPLING

1790

PART NUMBER	TUBE OD	PRICE
pGV-L-06SS	6 mm	£9.76
pGV-L-08SS	8 mm	£12.16
pGV-L-10SS	10 mm	£15.08
pGV-L-12SS	12 mm	£17.32
pGV-L-15SS	15 mm	£22.88
pGV-L-18SS	18 mm	£34.16
pGV-L-22SS	22 mm	£43.68

## HEAVY SERIES



### STRAIGHT COUPLING

1790

PART NUMBER	TUBE OD	PRICE
pGV-S-06SS	6 mm	£12.04
pGV-S-08SS	8 mm	£14.52
pGV-S-10SS	10 mm	£17.92
pGV-S-12SS	12 mm	£20.00
pGV-S-14SS	14 mm	£25.32
pGV-S-16SS	16 mm	£33.40
pGV-S-20SS	20 mm	£47.56
pGV-S-25SS	25 mm	£79.16



### EQUAL ELBOW

1790

PART NUMBER	TUBE OD	PRICE
pWV-L-06SS	6 mm	£18.68
pWV-L-08SS	8 mm	£19.96
pWV-L-10SS	10 mm	£23.28
pWV-L-12SS	12 mm	£26.24
pWV-L-15SS	15 mm	£34.52
pWV-L-18SS	18 mm	£49.44
pWV-L-22SS	22 mm	£62.64



### EQUAL ELBOW

1790

PART NUMBER	TUBE OD	PRICE
pWV-S-06SS	6 mm	£20.80
pWV-S-08SS	8 mm	£23.48
pWV-S-10SS	10 mm	£27.80
pWV-S-12SS	12 mm	£31.60
pWV-S-14SS	14 mm	£38.04
pWV-S-16SS	16 mm	£49.96
pWV-S-20SS	20 mm	£66.76
pWV-S-25SS	25 mm	£128.04



### EQUAL TEE

1790

PART NUMBER	TUBE OD	PRICE
pTV-L-06SS	6 mm	£25.80
pTV-L-08SS	8 mm	£27.60
pTV-L-10SS	10 mm	£32.44
pTV-L-12SS	12 mm	£37.80
pTV-L-15SS	15 mm	£54.76
pTV-L-18SS	18 mm	£73.16
pTV-L-22SS	22 mm	£103.56



### EQUAL TEE

1790

PART NUMBER	TUBE OD	PRICE
pTV-S-06SS	6 mm	£28.24
pTV-S-08SS	8 mm	£31.08
pTV-S-10SS	10 mm	£38.40
pTV-S-12SS	12 mm	£47.28
pTV-S-14SS	14 mm	£52.16
pTV-S-16SS	16 mm	£73.68
pTV-S-20SS	20 mm	£104.88
pTV-S-25SS	25 mm	£174.08

Stainless Steel Tube,  
see pages 291 & 729.



## LIGHT SERIES

### STUD COUPLING – FORM E BSPP MALE – WD CAPTIVE SEAL



1790

PART NUMBER	TUBE OD	THREAD	PRICE
pGE-L-06-G1/8-WDSS	6 mm	1/8" BSPP	£9.44
pGE-L-06-G1/4-WDSS	6 mm	1/4" BSPP	£14.80
pGE-L-08-G1/8-WDSS	8 mm	1/8" BSPP	£11.40
pGE-L-08-G1/4-WDSS	8 mm	1/4" BSPP	£11.36
pGE-L-10-G1/4-WDSS	10 mm	1/4" BSPP	£12.44
pGE-L-10-G3/8-WDSS	10 mm	3/8" BSPP	£18.00
pGE-L-12-G1/4-WDSS	12 mm	1/4" BSPP	£18.28
pGE-L-12-G3/8-WDSS	12 mm	3/8" BSPP	£14.60
pGE-L-15-G1/2-WDSS	15 mm	1/2" BSPP	£20.56
pGE-L-18-G1/2-WDSS	18 mm	1/2" BSPP	£25.48
pGE-L-18-G3/4-WDSS	18 mm	3/4" BSPP	£36.00
pGE-L-22-G3/4-WDSS	22 mm	3/4" BSPP	£34.08
pGE-L-22-G1-WDSS	22 mm	1" BSPP	£49.40

## HEAVY SERIES

### STUD COUPLING – FORM E BSPP MALE – WD CAPTIVE SEAL



1790

PART NUMBER	TUBE OD	THREAD	PRICE
pGE-S-06-G1/8-WDSS	6 mm	1/8" BSPP	£12.92
pGE-S-08-G1/4-WDSS	8 mm	1/4" BSPP	£12.56
pGE-S-10-G1/4-WDSS	10 mm	1/4" BSPP	£15.84
pGE-S-10-G3/8-WDSS	10 mm	3/8" BSPP	£15.48
pGE-S-12-G1/4-WDSS	12 mm	1/4" BSPP	£17.76
pGE-S-12-G3/8-WDSS	12 mm	3/8" BSPP	£16.60
pGE-S-14-G1/2-WDSS	14 mm	1/2" BSPP	£22.32
pGE-S-16-G1/2-WDSS	16 mm	1/2" BSPP	£29.28
pGE-S-16-G3/4-WDSS	16 mm	3/4" BSPP	£36.88
pGE-S-20-G3/4-WDSS	20 mm	3/4" BSPP	£38.40
pGE-S-25-G3/4-WDSS	25 mm	3/4" BSPP	£62.72
pGE-S-25-G1-WDSS	25 mm	1" BSPP	£62.20

### STUD COUPLING BSPP FEMALE



1790

PART NUMBER	TUBE OD	THREAD	PRICE
pGAI-L-06-G1/8SS	6 mm	1/8" BSPP	£14.32
pGAI-L-08-G1/4SS	8 mm	1/4" BSPP	£18.92
pGAI-L-10-G1/4SS	10 mm	1/4" BSPP	£18.84
pGAI-L-10-G3/8SS	10 mm	3/8" BSPP	£23.28
pGAI-L-12-G3/8SS	12 mm	3/8" BSPP	£22.24
pGAI-L-12-G1/2SS	12 mm	1/2" BSPP	£25.88
pGAI-L-15-G1/2SS	15 mm	1/2" BSPP	£30.28
pGAI-L-18-G1/2SS	18 mm	1/2" BSPP	£35.56
pGAI-L-22-G3/4SS	22 mm	3/4" BSPP	£45.80

### STUD COUPLING BSPP FEMALE



1790

PART NUMBER	TUBE OD	THREAD	PRICE
pGAI-S-06-G1/4SS	6 mm	1/4" BSPP	£19.00
pGAI-S-08-G1/4SS	8 mm	1/4" BSPP	£19.44
pGAI-S-10-G3/8SS	10 mm	3/8" BSPP	£25.60
pGAI-S-12-G3/8SS	12 mm	3/8" BSPP	£26.68
pGAI-S-14-G1/2SS	14 mm	1/2" BSPP	£34.16
pGAI-S-16-G1/2SS	16 mm	1/2" BSPP	£35.56
pGAI-S-20-G3/4SS	20 mm	3/4" BSPP	£51.44
pGAI-S-25-G1SS	25 mm	1" BSPP	£71.60

### STUD COUPLING NPT MALE



1790

PART NUMBER	TUBE OD	THREAD	PRICE
pGE-L-06-1/8NSS	6 mm	1/8" NPT	£12.08
pGE-L-06-1/4NSS	6 mm	1/4" NPT	£12.40
pGE-L-08-1/4NSS	8 mm	1/4" NPT	£13.40
pGE-L-10-1/4NSS	10 mm	1/4" NPT	£15.92
pGE-L-10-3/8NSS	10 mm	3/8" NPT	£18.40
pGE-L-12-1/4NSS	12 mm	1/4" NPT	£18.76
pGE-L-12-3/8NSS	12 mm	3/8" NPT	£19.68
pGE-L-12-1/2NSS	12 mm	1/2" NPT	£21.00
pGE-L-15-1/2NSS	15 mm	1/2" NPT	£25.64
pGE-L-18-1/2NSS	18 mm	1/2" NPT	£33.52
pGE-L-22-3/4NSS	22 mm	3/4" NPT	£42.88

### STUD COUPLING NPT MALE



1790

PART NUMBER	TUBE OD	THREAD	PRICE
pGE-S-06-1/4NSS	6 mm	1/4" NPT	£13.80
pGE-S-10-1/4NSS	10 mm	1/4" NPT	£18.64
pGE-S-10-3/8NSS	10 mm	3/8" NPT	£19.20
pGE-S-12-1/4NSS	12 mm	1/4" NPT	£20.80
pGE-S-12-3/8NSS	12 mm	3/8" NPT	£21.92
pGE-S-14-1/2NSS	14 mm	1/2" NPT	£25.68
pGE-S-16-1/2NSS	16 mm	1/2" NPT	£35.08
pGE-S-20-3/4NSS	20 mm	3/4" NPT	£44.20
pGE-S-25-1NSS	25 mm	1" NPT	£69.52

### ADJUSTABLE ELBOW METRIC



1790

PART NUMBER	TUBE OD	THREAD	PRICE
pEVW-L-06SS	6 mm	M12 x 1.5	£22.36
pEVW-L-08SS	8 mm	M14 x 1.5	£23.12
pEVW-L-10SS	10 mm	M16 x 1.5	£31.08
pEVW-L-12SS	12 mm	M18 x 1.5	£35.56
pEVW-L-15SS	15 mm	M22 x 1.5	£45.80
pEVW-L-18SS	18 mm	M26 x 2	£65.96
pEVW-L-22SS	22 mm	M30 x 2	£79.28

### ADJUSTABLE ELBOW METRIC



1790

PART NUMBER	TUBE OD	THREAD	PRICE
pEVW-S-06SS	6 mm	M14 x 1.5	£25.92
pEVW-S-08SS	8 mm	M16 x 1.5	£30.20
pEVW-S-10SS	10 mm	M18 x 1.5	£35.24
pEVW-S-12SS	12 mm	M20 x 1.5	£41.40
pEVW-S-14SS	14 mm	M22 x 1.5	£49.44
pEVW-S-16SS	16 mm	M24 x 1.5	£65.24
pEVW-S-20SS	20 mm	M30 x 2	£81.20
pEVW-S-25SS	25 mm	M36 x 2	£118.92

## STEEL TUBE

### SPECIFICATIONS

Technical details	Metric O/D to DIN 2391/c ST37.4NBK
Materials	Cold drawn seamless steel tube
Applications	Pneumatic and hydraulic lines



CDS METRE LENGTHS  
3 METRE LENGTHS

8100

PART NUMBER	mm	mm	mm	bar	PRICE
HST 06X03	6.0	3.0	1.5	600	£19.77
HST 06X04	6.0	4.0	1.0	400	£22.02
HST 08X05	8.0	5.0	1.5	450	£27.54
HST 08X06	8.0	6.0	1.0	300	£22.80
HST 10X06	10.0	6.0	2.0	480	£30.75
HST 10X07	10.0	7.0	1.5	360	£24.30
HST 12X08	12.0	8.0	2.0	400	£35.64
HST 12X09	12.0	9.0	1.5	300	£24.30
HST 14X10	14.0	10.0	2.0	342	£38.37
HST 15X12	15.0	12.0	1.5	240	£33.30
HST 16X10	16.0	10.0	3.0	450	£54.93
HST 16X12	16.0	12.0	2.0	300	£38.88
HST 16X13	16.0	13.0	1.5	225	£35.76
HST 18X15	18.0	15.0	1.5	200	£51.54
HST 20X14	20.0	14.0	3.0	360	£61.86
HST 20X16	20.0	16.0	2.0	191	£50.28
HST 22X18	22.0	18.0	2.0	218	£48.18
HST 25X19	25.0	19.0	3.0	288	£71.49
HST 25X21	25.0	21.0	2.0	192	£68.61
HST 28X24	28.0	24.0	2.0	171	£60.60
HST 30X22	30.0	22.0	4.0	320	£195.06
HST 30X24	30.0	24.0	3.0	240	£159.06
HST 35X31	35.0	31.0	2.0	137	£227.04
HST 38X28	38.0	28.0	5.0	315	£207.03
HST 38X30	38.0	30.0	4.0	252	£252.12
HST 42X36	42.0	36.0	3.0	171	£129.45

## ZINC PLATED STEEL

### SPECIFICATIONS

Technical details	Metric O/D to DIN 2391/c ST37.4NBK
Materials	Zinc plated steel tube



ZINC PLATED STEEL  
3 METRE LENGTHS

8100

PART NUMBER	mm	mm	bar	PRICE
HZT 06X04	6	1.0	400	£21.81
HZT 06X03	6	1.5	600	£23.31
HZT 08X06	8	1.0	300	£28.53
HZT 08X05	8	1.5	450	£24.24
HZT 10X07	10	1.5	360	£27.75
HZT 10X06	10	2.0	480	£38.94
HZT 12X09	12	1.5	300	£31.44
HZT 12X08	12	2.0	400	£38.31
HZT 15X12	15	1.5	240	£37.56
HZT 16X13	16	1.5	225	£40.08
HZT 16X12	16	2.0	300	£48.63
HZT 16X10	16	3.0	450	£62.46
HZT 18X15	18	1.5	200	£47.55
HZT 20X16	20	2.0	191	£53.43
HZT 20X14	20	3.0	360	£72.87
HZT 22X18	22	2.0	218	£60.87
HZT 25X21	25	2.0	192	£102.03
HZT 25X19	25	3.0	288	£93.06
HZT 28X24	28	2.0	171	£71.19
HZT 30X24	30	3.0	240	£112.44
HZT 35X31	35	2.0	137	£96.60
HZT 38X32	38	3.0	189	£174.03
HZT 42X36	42	3.0	171	£232.83

## STAINLESS STEEL TUBE

Please allow  
72 hours  
for delivery  
of tube



316L STAINLESS STEEL  
TUBE - 3 METRES  
IMPERIAL

1765

PART NUMBER	ins	mm	bar	PRICE
S-ST02-22	1/8	2.2	586	£41.25
S-ST04-20	1/4	2.0	352	£33.00
S-ST04-18	1/4	1.8	517	£45.00
S-ST04-16	1/4	1.6	703	£54.75
S-ST06-20	3/8	2.0	228	£52.50
S-ST06-18	3/8	1.8	331	£63.00
S-ST06-16	3/8	1.6	448	£72.75
S-ST08-18	1/2	1.8	255	£71.25
S-ST08-16	1/2	1.6	352	£83.25
S-ST12-16	3/4	1.6	227	£91.50
S-ST16-16	1	1.6	165	£137.25

### SPECIFICATIONS

Technical details	ASTM A269 dual certified ASTM A213 / ASME SA213
Suitable tubing materials	Stainless steel – seamless, fully annealed and welded redrawn; suitable for bending. Maximum hardness – Rockwell B90. ASTM A 269, ASTM A 213
Types	316 (304 available upon request)

316L STAINLESS STEEL  
TUBE - 3 METRES  
METRIC

1765

PART NUMBER	mm	mm	bar	PRICE
S-ST06MMX1	6	1.0	426	£39.00
S-ST06MM1.5	6	1.5	627	£42.00
S-ST08MMX1	8	1.0	368	£51.75
S-ST10MMX1	10	1.0	294	£58.50
S-ST10MM1.5	10	1.5	389	£69.75
S-ST12MMX1	12	1.0	245	£64.50
S-ST12MM1.5	12	1.5	368	£80.25
S-ST15MM1.5	15	1.5	294	£91.50
S-ST18MMX2	18	2.0	327	£134.25
S-ST20MMX2	20	2.0	294	£139.50
S-ST22MM1.5	22	1.5	171	£122.25
S-ST25MMX2	25	2.0	200	£172.50

### SPECIFICATIONS

- Manufactured to DIN 3015
- Temperature range: -30°C to +90°C
- Polypropylene jaws
- Carbon steel or stainless steel – see tables for details

### SINGLE CLAMPS – LIGHT DUTY



8630

**COMPLETE  
METRIC  
CARBON STEEL**

PART NUMBER	TUBE OD	GROUP	PRICE
D-A40AZ06	6 DIN	1	£2.21
D-A40AZ08	8 DIN	1	£2.21
D-A40AZ10	10 DIN	1	£2.21
D-A40AZ12	12 DIN	1	£2.21
D-A40AZ14	14 DIN	2	£2.37
D-A40AZ15	15 DIN	2	£2.37
D-A40AZ16	16 DIN	2	£2.37
D-A40AZ18	18 DIN	2	£2.37
D-A40AZ19	19 DIN	3	£2.80
D-A40AZ20	20 DIN	3	£2.81
D-A40AZ22	22 DIN	3	£2.81
D-A40AZ25	25 DIN	3	£2.81
D-A40AZ28	28 DIN	4	£3.25
D-A40AZ30	30 DIN	4	£3.25
D-A40AZ32	32 DIN	5	£4.18
D-A40AZ35	35 DIN	5	£4.18
D-A40AZ38	38 DIN	5	£4.18
D-A40AZ40	40 DIN	5	£4.18
D-A40AZ42	42 DIN	5	£4.18
D-A40AZ50.8	50.8 DIN	6	£5.71

### REINFORCED CLAMPS – LIGHT DUTY



8630

**COMPLETE  
METRIC  
CARBON STEEL**

PART NUMBER	TUBE OD	GROUP	PRICE
D-A41AZ06	6 DIN	1	£2.68
D-A41AZ08	8 DIN	1	£2.68
D-A41AZ10	10 DIN	1	£2.68
D-A41AZ12	12 DIN	1	£2.68
D-A41AZ14	14 DIN	2	£2.99
D-A41AZ15	15 DIN	2	£2.99
D-A41AZ16	16 DIN	2	£2.99
D-A41AZ18	18 DIN	2	£2.99
D-A41AZ20	20 DIN	3	£3.49
D-A41AZ22	22 DIN	3	£3.49
D-A41AZ25	25 DIN	3	£3.49
D-A41AZ28	28 DIN	4	£4.03
D-A41AZ30	30 DIN	4	£4.03
D-A41AZ35	35 DIN	5	£5.12
D-A41AZ38	38 DIN	5	£5.12
D-A41AZ40	40 DIN	5	£5.12
D-A41AZ42	42 DIN	5	£5.12
D-A41AZ44.5	44.5 DIN	6	£6.82
D-A41AZ50.8	50.8 DIN	6	£6.83

### IMPERIAL

PART NUMBER	NOMINAL BORE	GROUP	PRICE
D-A40AZ13.2	1/4"	2	£2.37
D-A40AZ16.7	3/8"	2	£2.37
D-A40AZ21.3	1/2"	3	£2.81
D-A40AZ26.7	3/4"	4	£3.25
D-A40AZ33.3	1"	5	£4.18
D-A40AZ48.3	1 1/2"	6	£5.71

### IMPERIAL

PART NUMBER	NOMINAL BORE	GROUP	PRICE
D-A41AZ13.2	1/4"	2	£2.99
D-A41AZ16.7	3/8"	2	£2.99
D-A41AZ21.3	1/2"	3	£3.49
D-A41AZ26.7	3/4"	4	£4.03
D-A41AZ48.3	1 1/2"	6	£6.83

### SINGLE AND REINFORCED CLAMP PARTS

**ALLEN BOLT  
FOR SINGLE CLAMPS  
CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-AVTC1	1	£0.18
D-AVTC2	2	£0.22
D-AVTC3	3	£0.24
D-AVTC4	4	£0.27
D-AVTC5	5	£0.36
D-AVTC6	6	£0.38

**HEXAGONAL BOLT  
FOR REINFORCED CLAMPS  
CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-AVTE1	1	£0.18
D-AVTE2	2	£0.19
D-AVTE3	3	£0.22
D-AVTE4	4	£0.25
D-AVTE5	5	£0.33
D-AVTE6	6	£0.38

**LOWER PLATE  
FOR SINGLE &  
REINFORCED CLAMPS  
CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-APIN1	1	£1.05
D-APIN2	2	£1.08
D-APIN3	3	£1.21
D-APIN4	4	£1.34
D-APIN5	5	£1.44
D-APIN6	6	£1.70

**UPPER PLATE  
FOR REINFORCED CLAMPS  
CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-APS1	1	£0.49
D-APS2	2	£0.63
D-APS3	3	£0.69
D-APS4	4	£0.79
D-APS5	5	£0.92
D-APS6	6	£1.11

## SINGLE CLAMPS – LIGHT DUTY



8630

**COMPLETE  
METRIC  
STAINLESS STEEL**

PART NUMBER	TUBE OD	GROUP	PRICE
D-ZA40AZ06	6 DIN	1	£15.34
D-ZA40AZ08	8 DIN	1	£15.34
D-ZA40AZ10	10 DIN	1	£15.34
D-ZA40AZ12	12 DIN	1	£15.34
D-ZA40AZ14	14 DIN	2	£16.19
D-ZA40AZ15	15 DIN	2	£16.19
D-ZA40AZ16	16 DIN	2	£16.19
D-ZA40AZ18	18 DIN	2	£16.19
D-ZA40AZ20	20 DIN	3	£17.31
D-ZA40AZ22	22 DIN	3	£17.31
D-ZA40AZ23	23 DIN	3	£17.31
D-ZA40AZ25	25 DIN	3	£17.31
D-ZA40AZ28	28 DIN	4	£19.10
D-ZA40AZ30	30 DIN	4	£19.10
D-ZA40AZ38	38 DIN	5	£22.05
D-ZA40AZ40	40 DIN	5	£22.05
D-ZA40AZ42	42 DIN	5	£22.05

## REINFORCED CLAMPS – LIGHT DUTY



8630

**COMPLETE  
METRIC  
STAINLESS STEEL**

PART NUMBER	TUBE OD	GROUP	PRICE
D-ZA41AZ06	6 DIN	1	£19.49
D-ZA41AZ08	8 DIN	1	£19.49
D-ZA41AZ10	10 DIN	1	£19.49
D-ZA41AZ12	12 DIN	1	£19.49
D-ZA41AZ14	14 DIN	2	£20.82
D-ZA41AZ15	15 DIN	2	£20.82
D-ZA41AZ16	16 DIN	2	£20.82
D-ZA41AZ18	18 DIN	2	£20.82
D-ZA41AZ20	20 DIN	3	£23.32
D-ZA41AZ22	22 DIN	3	£23.32
D-ZA41AZ23	23 DIN	3	£23.32
D-ZA41AZ25	25 DIN	3	£23.32
D-ZA41AZ28	28 DIN	4	£24.29
D-ZA41AZ30	30 DIN	4	£24.29
D-ZA41AZ38	38 DIN	5	£28.72
D-ZA41AZ40	40 DIN	5	£28.72
D-ZA41AZ42	42 DIN	5	£28.72

## SINGLE AND REINFORCED CLAMP ACCESSORIES

**ALLEN SCREW  
FOR SINGLE CLAMPS  
STAINLESS STEEL**



8630

PART NUMBER	GROUP	PRICE
D-ZAVTC1	1	£1.40
D-ZAVTC2	2	£1.59
D-ZAVTC3	3	£1.76
D-ZAVTC4	4	£2.22
D-ZAVTC5	5	£2.86
D-ZAVTC6	6	£3.66

**HEXAGONAL SCREW  
FOR REINFORCED CLAMPS  
STAINLESS STEEL**



8630

PART NUMBER	GROUP	PRICE
D-ZAVTE1	1	£1.40
D-ZAVTE2	2	£1.59
D-ZAVTE3	3	£1.95
D-ZAVTE4	4	£2.00
D-ZAVTE5	5	£3.04
D-ZAVTE6	6	£4.25

**LOWER PLATE  
FOR SINGLE &  
REINFORCED CLAMPS  
STAINLESS STEEL**



8630

PART NUMBER	GROUP	PRICE
D-ZAPIN1	1	£12.50
D-ZAPIN2	2	£12.99
D-ZAPIN3	3	£13.55
D-ZAPIN4	4	£13.65
D-ZAPIN5	5	£15.08
D-ZAPIN6	6	£18.79

**UPPER PLATE  
FOR REINFORCED CLAMPS  
STAINLESS STEEL**



8630

PART NUMBER	GROUP	PRICE
D-ZAPS1	1	£3.90
D-ZAPS2	2	£4.18
D-ZAPS3	3	£4.88
D-ZAPS4	4	£5.40
D-ZAPS5	5	£6.48
D-ZAPS6	6	£7.46



SINGLE AND REINFORCED CLAMP PARTS AND ACCESSORIES

Five



**LIGHT DUTY  
POLYPROPYLENE JAWS  
METRIC**

8630

PART NUMBER	TUBE OD	GROUP	PRICE
D-A106C	6 DIN	1	£0.91
D-A108C	8 DIN	1	£0.91
D-A110C	10 DIN	1	£0.91
D-A112C	12 DIN	1	£0.91
D-A214C	14 DIN	2	£0.94
D-A215C	15 DIN	2	£0.94
D-A216C	16 DIN	2	£0.94
D-A218C	18 DIN	2	£0.94
D-A319C	19 DIN	3	£1.22
D-A320C	20 DIN	3	£1.22
D-A322C	22 DIN	3	£1.22
D-A323C	23 DIN	3	£1.22
D-A325C	25 DIN	3	£1.22
D-A428C	28 DIN	4	£1.47
D-A430C	30 DIN	4	£1.47
D-A535C	35 DIN	5	£2.21
D-A538C	38 DIN	5	£2.21
D-A540C	40 DIN	5	£2.21
D-A542C	42 DIN	5	£2.21
D-A644.5C	44.5 DIN	6	£3.40
D-A650.8C	50.8 DIN	6	£3.40

**IMPERIAL**

PART NUMBER	NOMINAL BORE	GROUP	PRICE
D-A213.2C	1/4"	2	£0.94
D-A216.7C	3/8"	2	£0.94
D-A321.3C	1/2"	3	£1.22
D-A426.7C	3/4"	4	£1.47
D-A533.3C	1"	5	£2.21
D-A648.3C	1 1/2"	6	£3.40

**CLAMPING ROD  
CARBON STEEL**



8630

PART NUMBER	SIZE	PRICE
D-TS14A	1 metre length	£15.74

**RAIL NUT  
CARBON STEEL**



8630

PART NUMBER	THREAD	PRICE
D-TC6A	M6	£2.50
D-TC8A	M8	£7.80

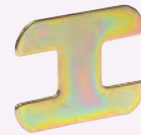
**EXTENDED WELDING PLATE  
CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-APT1	1	£1.34
D-APT2	2	£1.37
D-APT3	3	£1.47
D-APT4	4	£1.57
D-APT5	5	£1.70

**STACKING LOCKING PLATE  
CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-APA1	1	£0.41
D-APA2	2	£0.50
D-APA3	3	£0.63
D-APA4	4	£0.72
D-APA5	5	£0.75

**STACKING BOLT  
CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-AVTA1	1	£3.10
D-AVTA2	2	£3.32
D-AVTA3	3	£3.64
D-AVTA4	4	£3.96
D-AVTA5	5	£4.49

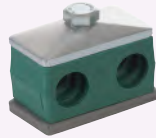
**JOINING PLATE  
CARBON STEEL**



8630

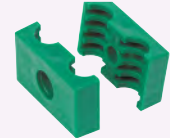
PART NUMBER	GROUP	PRICE
D-APAG1	1	£16.96
D-APAG2	2	£18.07
D-APAG3	3	£18.70

DOUBLE CLAMPS, PARTS AND ACCESSORIES – STANDARD DUTY



**COMPLETE METRIC CARBON STEEL**

8630



**DOUBLE POLYPROPYLENE JAWS METRIC**

8630

PART NUMBER	TUBE OD	GROUP	PRICE
D-AZCFS06	6 DIN	1	£2.65
D-AZCFS08	8 DIN	1	£2.65
D-AZCFS10	10 DIN	1	£2.65
D-AZCFS12	12 DIN	1	£2.65
D-AZCFS14	14 DIN	2	£3.65
D-AZCFS15	15 DIN	2	£3.65
D-AZCFS16	16 DIN	2	£3.65
D-AZCFS18	18 DIN	2	£3.64
D-AZCFS19	19 DIN	3	£4.37
D-AZCFS20	20 DIN	3	£4.37
D-AZCFS22	22 DIN	3	£4.37
D-AZCFS25	25 DIN	3	£4.37
D-AZCFS26	26 DIN	4	£5.24
D-AZCFS28	28 DIN	4	£5.24
D-AZCFS30	30 DIN	4	£5.23
D-AZCFS35	35 DIN	5	£6.68
D-AZCFS38	38 DIN	5	£6.68
D-AZCFS40	40 DIN	5	£6.68
D-AZCFS42	42 DIN	5	£6.68

PART NUMBER	TUBE OD	GROUP	PRICE
D-AD106C	6 DIN	1	£1.00
D-AD108C	8 DIN	1	£1.00
D-AD110C	10 DIN	1	£1.00
D-AD112C	12 DIN	1	£1.00
D-AD214C	14 DIN	2	£1.16
D-AD215C	15 DIN	2	£1.16
D-AD216C	16 DIN	2	£1.16
D-AD218C	18 DIN	2	£1.16
D-AD319C	19 DIN	3	£1.41
D-AD320C	20 DIN	3	£1.41
D-AD322C	22 DIN	3	£1.41
D-AD325C	25 DIN	3	£1.41
D-AD426C	26 DIN	4	£1.78
D-AD428C	28 DIN	4	£1.78
D-AD430C	30 DIN	4	£1.78
D-AD535C	35 DIN	5	£2.75
D-AD538C	38 DIN	5	£2.75
D-AD540C	40 DIN	5	£2.75
D-AD542C	42 DIN	5	£2.75

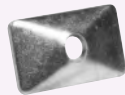
**IMPERIAL**

PART NUMBER	NOMINAL BORE	GROUP	PRICE
D-AZCFS13.2	1/4"	2	£3.65
D-AZCFS16.7	3/8"	2	£3.64
D-AZCFS21.3	1/2"	3	£4.37
D-AZCFS26.7	3/4"	4	£5.24
D-AZCFS33.3	1"	5	£6.68

**IMPERIAL**

PART NUMBER	NOMINAL BORE	GROUP	PRICE
D-AD213.2C	1/4"	2	£1.16
D-AD216.7C	3/8"	2	£1.16
D-AD321.3C	1/2"	3	£1.41
D-AD426.7C	3/4"	4	£1.78
D-AD533.3C	1"	5	£2.75

**UPPER PLATE FOR DOUBLE CLAMPS CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-ADPS1	1	£0.49
D-ADPS2	2	£0.63
D-ADPS3	3	£0.76
D-ADPS4	4	£0.95
D-ADPS5	5	£1.21

**STACKING BOLT FOR DOUBLE CLAMPS CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-ADVTA2	2	£3.87
D-ADVTA3	3	£4.37
D-ADVTA4	4	£4.74

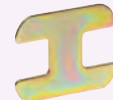
**LOWER PLATE FOR DOUBLE CLAMPS CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-ADPIN1	1	£1.24
D-ADPIN2	2	£1.61
D-ADPIN3	3	£1.87
D-ADPIN4	4	£2.13
D-ADPIN5	5	£2.55

**STACKING LOCKING PLATE FOR DOUBLE CLAMPS CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-ADPA1	1	£0.66
D-ADPA2	2	£0.66

**HEXAGONAL BOLT FOR DOUBLE CLAMPS CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-ADVTE1	1	£0.20
D-ADVTE2	2	£0.37
D-ADVTE3	3	£0.43
D-ADVTE4	4	£0.51
D-ADVTE5	5	£0.56

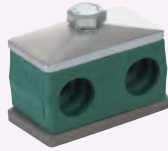
**JOINING PLATE FOR DOUBLE CLAMPS CARBON STEEL**



8630

PART NUMBER	GROUP	PRICE
D-ADPAG1	1	£7.11
D-ADPAG2	2	£9.73
D-ADPAG3	3	£10.85

DOUBLE CLAMPS AND PARTS AND ACCESSORIES



**COMPLETE  
METRIC  
STAINLESS STEEL**

8630



**LOWER PLATE  
FOR DOUBLE CLAMPS  
STAINLESS STEEL**

8630

PART NUMBER	TUBE OD	GROUP	PRICE
D-ZAZCFS06	6 DIN	1	£14.25
D-ZAZCFS08	8 DIN	1	£14.25
D-ZAZCFS10	10 DIN	1	£14.25
D-ZAZCFS12	12 DIN	1	£14.25
D-ZAZCFS14	14 DIN	2	£28.15
D-ZAZCFS15	15 DIN	2	£28.15
D-ZAZCFS16	16 DIN	2	£28.15
D-ZAZCFS18	18 DIN	2	£28.15
D-ZAZCFS20	20 DIN	3	£30.33
D-ZAZCFS22	22 DIN	3	£30.33
D-ZAZCFS25	25 DIN	3	£30.33
D-ZAZCFS28	28 DIN	4	£36.93
D-ZAZCFS30	30 DIN	4	£36.93
D-ZAZCFS35	35 DIN	5	£43.84
D-ZAZCFS38	40 DIN	5	£43.84
D-ZAZCFS42	42 DIN	5	£43.84

PART NUMBER	GROUP	PRICE
D-ZADPIN1	1	£8.15
D-ZADPIN2	2	£18.04
D-ZADPIN3	3	£19.19
D-ZADPIN4	4	£20.53
D-ZADPIN5	5	£22.69



**UPPER PLATE  
FOR DOUBLE CLAMPS  
STAINLESS STEEL**

8630

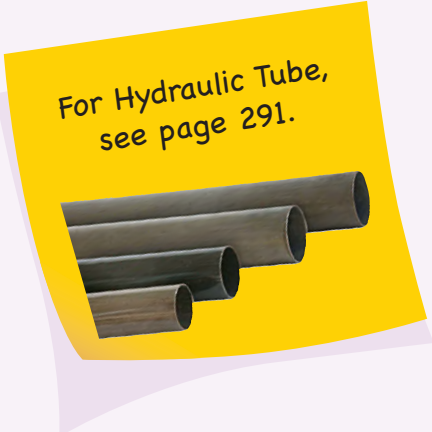
PART NUMBER	GROUP	PRICE
D-ZADPS1	1	£4.21
D-ZADPS2	2	£6.27
D-ZADPS3	3	£7.19
D-ZADPS4	4	£11.85
D-ZADPS5	5	£15.00



**HEXAGONAL BOLT  
FOR DOUBLE CLAMPS  
STAINLESS STEEL**

8630

PART NUMBER	GROUP	PRICE
D-ZADVTE1	1	£1.76
D-ZADVTE2	2	£3.39
D-ZADVTE3	3	£3.51
D-ZADVTE4	4	£3.62
D-ZADVTE5	5	£4.82



## HEAVY DUTY CLAMP PARTS AND ACCESSORIES



8630

### POLYPROPYLENE JAWS METRIC

PART NUMBER	TUBE OD	GROUP	PRICE
D-AMPP106C	6 DIN	1	£2.41
D-AMPP108C	8 DIN	1	£2.41
D-AMPP110C	10 DIN	1	£2.41
D-AMPP112C	12 DIN	1	£2.41
D-AMPP114C	14 DIN	1	£2.41
D-AMPP115C	15 DIN	1	£2.41
D-AMPP116C	16 DIN	1	£2.41
D-AMPP118C	18 DIN	1	£2.41
D-AMPP220C	20 DIN	2	£2.62
D-AMPP222C	22 DIN	2	£2.62
D-AMPP225C	25 DIN	2	£2.62
D-AMPP228C	28 DIN	2	£2.62
D-AMPP230C	30 DIN	2	£2.62
D-AMPP330C	30 DIN	3	£3.71
D-AMPP332C	32 DIN	3	£3.71
D-AMPP335C	35 DIN	3	£3.71
D-AMPP338C	38 DIN	3	£3.71
D-AMPP340C	40 DIN	3	£3.71
D-AMPP342C	42 DIN	3	£3.71
D-AMPP438C	38 DIN	4	£10.53
D-AMPP440C	40 DIN	4	£10.53
D-AMPP442C	42 DIN	4	£10.53
D-AMPP445C	45 DIN	4	£10.53
D-AMPP448C	48 DIN	4	£10.53
D-AMPP450C	50 DIN	4	£10.53
D-AMPP455C	55 DIN	4	£10.53
D-AMPP465C	65 DIN	4	£10.53
D-AMPP470C	70 DIN	4	£10.53

### IMPERIAL

PART NUMBER	NOMINAL BORE	GROUP	PRICE
D-AMPP113.2C	1/4"	1	£2.41
D-AMPP221.3C	1/2"	2	£2.62
D-AMPP226.7C	3/4"	2	£2.62
D-AMPP333.3C	1"	3	£3.71
D-AMPP342.4C	1 1/4"	3	£3.71
D-AMPP442.4C	1 1/4"	4	£10.53
D-AMPP448.4C	1 1/2"	4	£10.53
D-AMPP460.3C	2"	4	£10.53



8630

### LOWER PLATE CARBON STEEL

PART NUMBER	GROUP	PRICE
D-APINP1	1	£3.93
D-APINP2	2	£4.24
D-APINP3	3	£4.62
D-APINP4	4	£9.23



8630

### UPPER PLATE CARBON STEEL

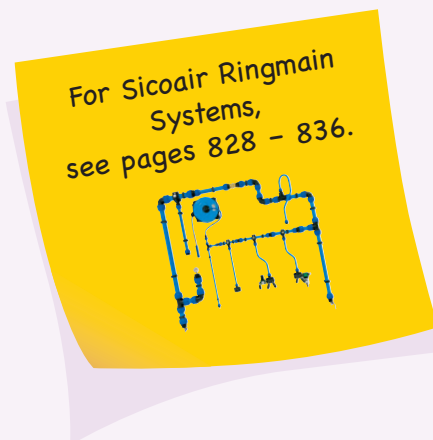
PART NUMBER	GROUP	PRICE
D-APSP1	1	£1.69
D-APSP2	2	£1.90
D-APSP3	3	£2.19
D-APSP4	4	£5.36



8630

### HEXAGONAL BOLT CARBON STEEL

PART NUMBER	GROUP	PRICE
D-AVTEP1	1	£0.78
D-AVTEP2	2	£0.97
D-AVTEP3	3	£1.06
D-AVTEP4	4	£2.03



**DIGITAL PRESSURE GAUGE KITS**
**FEATURES**

- Test under pressure using leak-free Minimess® connections up to 630 bar
- Connect & disconnect under full system pressure
- Finger tight connection
- Ranges from -1 to 1000 bar
- Min & Max data capture
- Back lit display
- 2 x 1.5Vdc AA battery supply
- Compact and Rugged IP67
- 320° Rotatable Display

**KIT CONTENTS**

- 1 or 2 x HTE2 series digital pressure gauges with 1620 male connection, user selectable up to 1000 bar
- 2 x SNA series Minimess® Male/Swivel Female 1620 inline test point adaptors - 3/8" & 1/2" BSP
- 2 x Minimess® 1620 test points - G1/4" BSP and M10x1 male thread
- 1 x G1/4" BSP gauge female to Minimess® 1620 female gauge adaptor
- 1 x 630 bar rated Minimess® microbore pressure test hose - 1.5 m
- Additional 3/8" & 1/2" BSP male threaded adaptors & seals

Other gauge combinations available, please ask your distributor for details.



8400

**New**
**MINIMESS® DIGITAL GAUGE KITS  
C/W 1.5 M HOSE AND TEST POINTS**

PART NUMBER	THREAD	PRESSURE SCALE	RESOLUTION	PRICE
HTP3101-81-01.50	1/4" BSPP	-1 – 16 bar	1 mbar	£471.74
HTP3101-81-04.50	1/4" BSPP	-1 – 60 bar	10 mbar	£471.74
HTP3101-81-07.50	1/4" BSPP	0 – 250 bar	100 mbar	£471.74
HTP3101-81-08.50	1/4" BSPP	0 – 400 bar	100 mbar	£471.74
HTP3101-81-09.50	1/4" BSPP	0 – 600 bar	100 mbar	£471.74
HTP3101-81-0A.50	1/4" BSPP	0 – 1000 bar	100 mbar	£471.74

**UNIVERSAL PRESSURE TEST KITS**
**FEATURES**

- All major test point variants covered with one kit. The ultimate service tool
- Connect & disconnect under full system pressure. Lifetime leak free guarantee
- In-line test point tees offer excellent system access versatility
- Amazing value for range of testing capabilities included
- Printed logo & contact details on kit box (minimum order of 5 kits)

**KIT CONTENTS**

- 2 x 63mm glycerine filled pressure gauges user selectable up to 700 bar
- 3 x Minimess® Male/Swivel Female 1620 inline test point adaptors. 1/4", 3/8" & 1/2" BSP
- 4 x Minimess® 1620 changeover adaptors from 1215, 1615, HSP (5/8"BSF) & F/F Quick Release
- 1 x Minimess® 1620 test point - 1/4" BSP male threaded
- 1 x G1/4" BSP to 1620 gauge adaptor
- 2 x 630 bar rated Minimess® pressure test hoses (1620 & Steck) - 1.5 m
- Additional 3/8" & 1/2" BSP male threaded adaptors & seals

Other gauge combinations available, please ask your distributor for details.



8430

**New**
**MINIMESS® UNIVERSAL  
PRESSURE TEST KITS**

PART NUMBER	PRESSURE SCALE GAUGE 1	PRESSURE SCALE GAUGE 2	PRICE
HTP3101-16-38.UTK	0 – 40 bar	0 – 400 bar	£297.11

**ECONOMY PRESSURE TEST KITS**
**FEATURES**

- Test under pressure using Hydrotechnik leak free Minimess® connections up to 630 bar
- Everything you need to get two pressure readings
- Ultra low cost - ideal for OEM's
- Lifetime leak free guarantee
- Printed logo & contact details on kit box (minimum order of 5 kits)

**KIT CONTENTS**

- 2 x 63mm glycerine filled pressure gauges user selectable up to 700 bar
- 2 x Minimess® 1620 test points - 1/4" BSP & M10x1 threaded
- 1 x G1/4" BSP to 1620 gauge adaptor
- 1 x 630 bar rated Minimess® pressure test hose - 1.5 meters long
- Additional 3/8" & 1/2" BSP male threaded adaptors & seals

Other gauge combinations available, please ask your distributor for details.



8430

**New**
**MINIMESS® ECONOMY  
PRESSURE TEST KITS**

PART NUMBER	PRESSURE SCALE GAUGE 1	PRESSURE SCALE GAUGE 2	PRICE
HTP3101-16-38.LC	0 – 40 bar	0 – 400 bar	£113.59

**BSP PRESSURE TEST KITS**
**FEATURES**

- Test under pressure using Hydrotechnik leak free Minimess® connections up to 630 bar
- Connect & disconnect under full system pressure. Lifetime leak free guarantee
- In-line test point tees offer excellent system access versatility
- Still our most popular & best value kit
- Printed logo & contact details on kit box (minimum order of 5 kits)

**KIT CONTENTS**

- 2 x 63mm glycerine filled pressure gauges user selectable up to 700 bar
- 3 x Minimess® Male/Swivel Female 1620 inline test point adaptors. 1/4", 3/8" & 1/2" BSP
- 1 x Minimess® 1620 test point - 1/4" BSP
- 1 x G1/4" BSP to 1620 gauge adaptor
- 1 x 630 bar rated Minimess® pressure test hose - 1.5 meters long
- Additional 3/8" & 1/2" BSP male threaded adaptors & seals

Other gauge combinations available, please ask your distributor for details.



8430

**New**
**MINIMESS® BSP  
PRESSURE TEST KITS**

PART NUMBER	PRESSURE SCALE GAUGE 1	PRESSURE SCALE GAUGE 2	PRICE
HTP3101-16-38.50	0 – 40 bar	0 – 400 bar	£149.94



# GLYCERINE FILLED STAINLESS STEEL PRESSURE GAUGES – DUAL SCALE



## DESCRIPTION

For the measurement of fluid liquids that are not: highly viscous, high temperature (over 60°C), likely to solidify/crystallize or corrosive to copper or tin alloys.  
Also suitable for gases (except oxidising gases such as oxygen or acetylene) up to 25 bar maximum. Glycerine filled gauges are particularly suited to applications where oscillating/surging pressures or vibration are present. The damping effect of the glycerine will steady the pointer making it easier to take a reading against the scale.

## SPECIFICATIONS

Operating temperature range	Ambient: -20 to +60°C Medium: +60°C maximum
Scales	Pressure: psi outer black & bar inner red Vacuum: HG outer black & bar inner red Compound: HG + psi outer black & bar inner red
Ingress protection	IP 65 as per EN 60529

## MATERIALS

Case & crimped bezel	304 stainless steel
Window	Polycarbonate - crystal clear
Pointer	Black aluminium
Dial	White aluminium
Filling	FDA approved food grade glycerine

## BOTTOM CONNECTION



New

GLYCERINE FILLED PRESSURE GAUGE  
63 MM GAUGE DIAMETER

8410

PART NUMBER	THREAD	PRESSURE SCALE	PRICE
HTP9801-60C	1/4" BSPP	Vacuum - 1 bar / -15 - 60 psi	£11.61
HTP9801-15	1/4" BSPP	0 - 1 bar / 0 - 15 psi	£11.61
HTP9801-30	1/4" BSPP	0 - 2 bar / 0 - 30 psi	£11.61
HTP9801-60	1/4" BSPP	0 - 4 bar / 0 - 60 psi	£11.61
HTP9801-100	1/4" BSPP	0 - 7 bar / 0 - 100 psi	£11.61
HTP9801-160	1/4" BSPP	0 - 11 bar / 0 - 160 psi	£11.61
HTP9801-200	1/4" BSPP	0 - 14 bar / 0 - 200 psi	£11.61
HTP9801-300	1/4" BSPP	0 - 20 bar / 0 - 300 psi	£11.61
HTP9801-400	1/4" BSPP	0 - 28 bar / 0 - 400 psi	£11.61
HTP9801-500	1/4" BSPP	0 - 35 bar / 0 - 500 psi	£11.61
HTP9801-600	1/4" BSPP	0 - 40 bar / 0 - 600 psi	£11.61
HTP9801-1000	1/4" BSPP	0 - 70 bar / 0 - 1000 psi	£11.61
HTP9801-1500	1/4" BSPP	0 - 100 bar / 0 - 1500 psi	£11.61
HTP9801-2000	1/4" BSPP	0 - 140 bar / 0 - 2000 psi	£11.61
HTP9801-2500	1/4" BSPP	0 - 170 bar / 0 - 2500 psi	£11.61
HTP9801-3000	1/4" BSPP	0 - 200 bar / 0 - 3000 psi	£11.61
HTP9801-4000	1/4" BSPP	0 - 280 bar / 0 - 4000 psi	£11.61
HTP9801-5000	1/4" BSPP	0 - 350 bar / 0 - 5000 psi	£11.61
HTP9801-6000	1/4" BSPP	0 - 400 bar / 0 - 6000 psi	£11.61
HTP9801-10000	1/4" BSPP	0 - 700 bar / 0 - 10000 psi	£16.31

## 100 MM GAUGE DIAMETER

PART NUMBER	THREAD	PRESSURE SCALE	PRICE
HTP9803-60C	1/2" BSPP	Vacuum - 1 bar / -50 - 60 psi	£29.36
HTP9803-15	1/2" BSPP	0 - 1 bar / 0 - 15 psi	£29.36
HTP9803-30	1/2" BSPP	0 - 2 bar / 0 - 30 psi	£29.36
HTP9803-60	1/2" BSPP	0 - 4 bar / 0 - 60 psi	£29.36
HTP9803-100	1/2" BSPP	0 - 7 bar / 0 - 100 psi	£29.36
HTP9803-160	1/2" BSPP	0 - 11 bar / 0 - 160 psi	£29.36
HTP9803-200	1/2" BSPP	0 - 14 bar / 0 - 200 psi	£29.36
HTP9803-300	1/2" BSPP	0 - 20 bar / 0 - 300 psi	£29.36
HTP9803-400	1/2" BSPP	0 - 28 bar / 0 - 400 psi	£29.36
HTP9803-500	1/2" BSPP	0 - 35 bar / 0 - 500 psi	£29.36
HTP9803-600	1/2" BSPP	0 - 40 bar / 0 - 600 psi	£29.36
HTP9803-1000	1/2" BSPP	0 - 70 bar / 0 - 1000 psi	£29.36
HTP9803-1500	1/2" BSPP	0 - 100 bar / 0 - 1500 psi	£29.36
HTP9803-2000	1/2" BSPP	0 - 140 bar / 0 - 2000 psi	£29.36
HTP9803-2500	1/2" BSPP	0 - 170 bar / 0 - 2500 psi	£29.36
HTP9803-3000	1/2" BSPP	0 - 200 bar / 0 - 3000 psi	£29.36
HTP9803-4000	1/2" BSPP	0 - 280 bar / 0 - 4000 psi	£29.36
HTP9803-5000	1/2" BSPP	0 - 350 bar / 0 - 5000 psi	£29.36
HTP9803-6000	1/2" BSPP	0 - 400 bar / 0 - 6000 psi	£29.36
HTP9803-10000	1/2" BSPP	0 - 700 bar / 0 - 10000 psi	£29.36

## BACK CONNECTION



New

GLYCERINE FILLED PRESSURE GAUGE  
63 MM GAUGE DIAMETER

8410

PART NUMBER	THREAD	PRESSURE SCALE	PRICE
HTP9807-60C	1/4" BSPP	Vacuum - 1 bar / -15 - 60 psi	£15.18
HTP9807-15	1/4" BSPP	0 - 1 bar / 0 - 15 psi	£13.28
HTP9807-30	1/4" BSPP	0 - 2 bar / 0 - 30 psi	£13.28
HTP9807-60	1/4" BSPP	0 - 4 bar / 0 - 60 psi	£13.28
HTP9807-100	1/4" BSPP	0 - 7 bar / 0 - 100 psi	£13.28
HTP9807-160	1/4" BSPP	0 - 11 bar / 0 - 160 psi	£13.28
HTP9807-200	1/4" BSPP	0 - 14 bar / 0 - 200 psi	£13.28
HTP9807-300	1/4" BSPP	0 - 20 bar / 0 - 300 psi	£13.28
HTP9807-400	1/4" BSPP	0 - 28 bar / 0 - 400 psi	£13.28
HTP9807-500	1/4" BSPP	0 - 35 bar / 0 - 500 psi	£13.28
HTP9807-600	1/4" BSPP	0 - 40 bar / 0 - 600 psi	£13.28
HTP9807-1000	1/4" BSPP	0 - 70 bar / 0 - 1000 psi	£13.28
HTP9807-1500	1/4" BSPP	0 - 100 bar / 0 - 1500 psi	£13.28
HTP9807-2000	1/4" BSPP	0 - 140 bar / 0 - 2000 psi	£13.28
HTP9807-2500	1/4" BSPP	0 - 170 bar / 0 - 2500 psi	£13.28
HTP9807-3000	1/4" BSPP	0 - 200 bar / 0 - 3000 psi	£13.28
HTP9807-4000	1/4" BSPP	0 - 280 bar / 0 - 4000 psi	£13.28
HTP9807-5000	1/4" BSPP	0 - 350 bar / 0 - 5000 psi	£13.28
HTP9807-6000	1/4" BSPP	0 - 400 bar / 0 - 6000 psi	£13.28
HTP9807-10000	1/4" BSPP	0 - 700 bar / 0 - 10000 psi	£17.98

## 100 MM GAUGE DIAMETER

PART NUMBER	THREAD	PRESSURE SCALE	PRICE
HTP9808-60C	1/2" BSPP	Vacuum - 1 bar / -50 - 60 psi	£39.68
HTP9808-15	1/2" BSPP	0 - 1 bar / 0 - 15 psi	£39.68
HTP9808-30	1/2" BSPP	0 - 2 bar / 0 - 30 psi	£39.68
HTP9808-60	1/2" BSPP	0 - 4 bar / 0 - 60 psi	£39.68
HTP9808-100	1/2" BSPP	0 - 7 bar / 0 - 100 psi	£39.68
HTP9808-160	1/2" BSPP	0 - 11 bar / 0 - 160 psi	£39.68
HTP9808-200	1/2" BSPP	0 - 14 bar / 0 - 200 psi	£39.68
HTP9808-300	1/2" BSPP	0 - 20 bar / 0 - 300 psi	£39.68
HTP9808-400	1/2" BSPP	0 - 28 bar / 0 - 400 psi	£39.68
HTP9808-500	1/2" BSPP	0 - 35 bar / 0 - 500 psi	£39.68
HTP9808-600	1/2" BSPP	0 - 40 bar / 0 - 600 psi	£39.68
HTP9808-1000	1/2" BSPP	0 - 70 bar / 0 - 1000 psi	£39.68
HTP9808-1500	1/2" BSPP	0 - 100 bar / 0 - 1500 psi	£39.68
HTP9808-2000	1/2" BSPP	0 - 140 bar / 0 - 2000 psi	£39.68
HTP9808-2500	1/2" BSPP	0 - 170 bar / 0 - 2500 psi	£39.68
HTP9808-3000	1/2" BSPP	0 - 200 bar / 0 - 3000 psi	£39.68
HTP9808-4000	1/2" BSPP	0 - 280 bar / 0 - 4000 psi	£39.68
HTP9808-5000	1/2" BSPP	0 - 350 bar / 0 - 5000 psi	£39.68
HTP9808-6000	1/2" BSPP	0 - 400 bar / 0 - 6000 psi	£39.68
HTP9808-10000	1/2" BSPP	0 - 700 bar / 0 - 10000 psi	£39.68

## DIGITAL PRESSURE GAUGES

### DESCRIPTION

HTE2 series digital pressure gauges are designed for both stationary and mobile measurement and display of pressure. They can be used as reference pressure gauges to simplify the checking, adjustment and calibration of other pressure measurement devices directly on site. Excellent protection against dust and moisture is provided by a membrane keypad with rubber buttons & rubber protective shroud.

### FEATURES

- Accuracy  $\pm 0.5$  FS for exact and reliable measurement
- Ranges from -1 to 1000 bar
- 2 x 1.5Vdc standard AA battery supply
- Compact and Rugged
- 320° Rotatable Display
- High operational readiness
- Easy and clear readout with backlight display
- IP67 protection for harsh environments
- Supplemental min / max peak capture

### SPECIFICATIONS

Operating temperature range	0 to +50°C (32°F to 122°F)
Fluid temperature range	-20°C to +80°C
Storage temperature range	-20°C to +60°C

### MATERIALS

Gauge	Stainless steel
Housing	Cast zinc with rubber protection cap
Integral flat gasket seal	Nitrile

## BOTTOM CONNECTION



8410

New

### DIGITAL PRESSURE GAUGE 80 MM GAUGE DIAMETER

PART NUMBER	THREAD	PRESSURE SCALE	RESOLUTION	PRICE
HTPHTE2-0016	1/4" BSPP	Vacuum – 16 bar	1 mbar	£334.80
HTPHTE2-0060	1/4" BSPP	Vacuum – 60 bar	10 mbar	£334.80
HTPHTE2-0250	1/4" BSPP	0 – 250 bar	100 mbar	£334.80
HTPHTE2-0400	1/4" BSPP	0 – 400 bar	100 mbar	£334.80
HTPHTE2-0600	1/4" BSPP	0 – 600 bar	100 mbar	£334.80
HTPHTE2-1000	1/4" BSPP	0 – 1000 bar	100 mbar	£356.40

## PRESSURE GAUGE ACCESSORIES

New



8410

### GAUGE SNUBBER M3 RESTRICTOR SCREW

PART NUMBER	FOR USE WITH GAUGE TYPE	PRICE
HTPACC16000	63 mm bottom & back connection	£1.45

### M4 RESTRICTOR SCREW

HTPACC16050	100 mm bottom & back connection	£2.05
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New



8410

### GAUGE SHROUD PROTECTIVE RUBBER COVER

PART NUMBER	FOR USE WITH GAUGE TYPE	PRICE
HTP9800-00-00.01	63 mm bottom connection	£4.93
HTP9803-CUFF	100 mm bottom connection	£23.13

New

### GAUGE CALIBRATION UKAS TRACEABLE CERTIFICATE

8410

PART NUMBER	FOR USE WITH GAUGE TYPE	PRICE
HTP9801-CAL	63 mm bottom connection	£50.63
HTP9807-CAL	63 mm back connection	£50.63
HTP9803-CAL	100 mm bottom connection	£50.63
HTP9808-CAL	100 mm back connection	£50.63

New



8410

### REAR FIXING CLAMP

PART NUMBER	FOR USE WITH GAUGE TYPE	PRICE
HTP9807-CLAMP	63 mm back connection	£3.34
HTP9808-CLAMP	100 mm back connection	£6.74

New



8410

### FRONT FIXING FLANGE 3 HOLE

PART NUMBER	FOR USE WITH GAUGE TYPE	PRICE
HTP9807-FLANGE	63 mm back connection	£3.42
HTP9808-FLANGE	100 mm back connection	£8.35

New



8410

### BRASS GAUGE THREAD ADAPTOR FEMALE X MALE

PART NUMBER	FEMALE THREAD	MALE THREAD	PRICE
HTP16GF-12GM	1/2" BSPP	3/8" BSPP	£17.86
HTP16GF-08GM	1/2" BSPP	1/4" BSPP	£10.53
HTP12GF-08GM	3/8" BSPP	1/4" BSPP	£17.77
HTP12GF-16GM	3/8" BSPP	1/2" BSPP	£15.04
HTP08GF-12GM	1/4" BSPP	3/8" BSPP	£15.72
HTP08GF-16GM	1/4" BSPP	1/2" BSPP	£18.06

New



8410

### BRASS GAUGE THREAD ADAPTOR FEMALE X MALE WITH 60° CONE

PART NUMBER	FEMALE THREAD	MALE THREAD	PRICE
HTP2103-08-01.62	1/4" BSPP	1/4" BSPP	£8.71
HTP2103-08-02.62	1/2" BSPP	1/2" BSPP	£8.41

## HYSENSE PR 130 PRESSURE SENSORS

### SPECIFICATIONS

Measuring principle	Piezo-resistive (poly-crystalline silicon thin film structure on high-grade steel membrane)
Pressure type	Relative pressure
Output signal	4 – 20 mA / 0 – 10 VDC
Electrical measuring connector	4 pole device connector, M12 x 1
Mechanical connection thread	ISO 228 – G 1/4" A
Sealing material	Profile seal ring acc. to DIN 3869, FKM
Protection type (EN 60529 / IEC 529)	IP 67 (when connector is screwed)
Casing & membrane material	Non-corrosive high-grade steel
Tightening torque	40 Nm (± 5 Nm)
Weight	~ 85 g
Overload range	1.5 x nominal pressure
Burst pressure	3 x nominal pressure
Signal type	Two wire analog (4 – 20 mA), three wire analog (0 – 10 VDC)
Supply voltage U <sub>b</sub>	10 – 30 VDC at 4 – 20 mA 12 – 32 VDC at 0 – 10 VDC
Current consumption	6.5 mA
Overvoltage protection	32 VDC
Environmental temperature	-40 to +105 °C (short term +125 °C)

New



### HYSENSE PR 130 PRESSURE SENSORS

#### 4 – 20 mA OUTPUT, M12x1 CONNECTOR

8410

PART NUMBER	THREAD	PRESSURE RATING	PRICE
HTP3403-32-15.37S	1/4" BSPP	Vacuum – 6 bar	£130.91
HTP3403-26-15.37S	1/4" BSPP	0 – 10 bar	£130.91
HTP3403-40-15.37S	1/4" BSPP	0 – 25 bar	£130.91
HTP3403-21-15.37S	1/4" BSPP	0 – 60 bar	£130.91
HTP3403-16-15.37S	1/4" BSPP	0 – 100 bar	£130.91
HTP3403-17-15.37S	1/4" BSPP	0 – 250 bar	£130.91
HTP3403-15-15.37S	1/4" BSPP	0 – 400 bar	£130.91
HTP3403-18-15.37S	1/4" BSPP	0 – 600 bar	£130.91
HTP3403-29-15.37S	1/4" BSPP	0 – 1000 bar	£130.91

#### 0 – 10 VDC OUTPUT, M12x1 CONNECTOR

HTP3403-32-15.39S	1/4" BSPP	Vacuum – 6 bar	£130.91
HTP3403-26-15.39S	1/4" BSPP	0 – 10 bar	£130.91
HTP3403-40-15.39S	1/4" BSPP	0 – 25 bar	£130.91
HTP3403-21-15.39S	1/4" BSPP	0 – 60 bar	£130.91
HTP3403-16-15.39S	1/4" BSPP	0 – 100 bar	£130.91
HTP3403-17-15.39S	1/4" BSPP	0 – 250 bar	£130.91
HTP3403-15-15.39S	1/4" BSPP	0 – 400 bar	£130.91
HTP3403-18-15.39S	1/4" BSPP	0 – 600 bar	£130.91
HTP3403-29-15.39S	1/4" BSPP	0 – 1000 bar	£130.91

## HYSENSE PR 140 PRESSURE SENSORS

### SPECIFICATIONS

Measuring principle	Piezo-resistive (poly-crystalline silicon thin film structure on high-grade steel membrane)
Pressure type	Relative pressure
Output signal	4 – 20 mA / 0 – 10 VDC
Electrical measuring connector	4 pole device connector, DIN EN 175301-803, type A
Mechanical connection thread	ISO 228 – G 1/4" A
Sealing material	Profile seal ring acc. to DIN 3869, FKM
Protection type (EN 60529 / IEC 529)	IP 65 (with connecting cable Ø 6 – 8 mm)
Casing & membrane material	Non-corrosive high-grade steel
Tightening torque	40 Nm (± 5 Nm)
Weight	~ 117 g
Overload range	1.5 x nominal pressure
Burst pressure	3 x nominal pressure
Signal type	Two wire analog (4 – 20 mA), three wire analog (0 – 10 VDC)
Supply voltage U <sub>b</sub>	10 – 30 VDC at 4 – 20 mA 12 – 32 VDC at 0 – 10 VDC
Current consumption	6.5 mA
Overvoltage protection	32 VDC
Environmental temperature	-40 to +105 °C (short term +125 °C)

New



### HYSENSE PR 140 PRESSURE SENSORS

#### 4 – 20 mA OUTPUT, HIRSCHMANN CONNECTOR

8410

PART NUMBER	THREAD	PRESSURE RATING	PRICE
HTP3403-32-D1.37S	1/4" BSPP	Vacuum – 6 bar	£130.91
HTP3403-26-D1.37S	1/4" BSPP	0 – 10 bar	£130.91
HTP3403-40-D1.37S	1/4" BSPP	0 – 25 bar	£130.91
HTP3403-21-D1.37S	1/4" BSPP	0 – 60 bar	£130.91
HTP3403-16-D1.37S	1/4" BSPP	0 – 100 bar	£130.91
HTP3403-17-D1.37S	1/4" BSPP	0 – 250 bar	£130.91
HTP3403-15-D1.37S	1/4" BSPP	0 – 400 bar	£130.91
HTP3403-18-D1.37S	1/4" BSPP	0 – 600 bar	£130.91
HTP3403-29-D1.37S	1/4" BSPP	0 – 1000 bar	£130.91

#### 0 – 10 VDC OUTPUT, HIRSCHMANN CONNECTOR

HTP3403-32-D1.39S	1/4" BSPP	Vacuum – 6 bar	£130.91
HTP3403-26-D1.39S	1/4" BSPP	0 – 10 bar	£130.91
HTP3403-40-D1.39S	1/4" BSPP	0 – 25 bar	£130.91
HTP3403-21-D1.39S	1/4" BSPP	0 – 60 bar	£130.91
HTP3403-16-D1.39S	1/4" BSPP	0 – 100 bar	£130.91
HTP3403-17-D1.39S	1/4" BSPP	0 – 250 bar	£130.91
HTP3403-15-D1.39S	1/4" BSPP	0 – 400 bar	£130.91
HTP3403-18-D1.39S	1/4" BSPP	0 – 600 bar	£130.91
HTP3403-29-D1.39S	1/4" BSPP	0 – 1000 bar	£130.91



## MINIMESS® 1620 TEST POINTS AND ADAPTORS

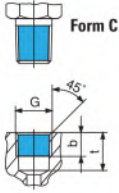
### DESCRIPTION

MINIMESS® 1620 or 'Test 20' is the most commonly used test point across all industries. The wide range of choice in materials and threads make this the most versatile range available

### SPECIFICATIONS

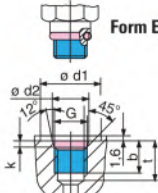
Working temperature range	NBR: -25°C to +100°C FKM (Viton™): -20°C to +200°C
Max. working pressure	630 bar

### Thread form data



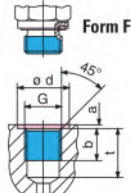
Form C

Thread port according to DIN 3852 part 1 and part 2, form Z (sealed with suitable sealant)



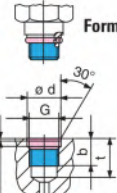
Form E

Thread port according to SAE J 514 (UNF) or according to ISO 6149-1 (sealed with O-ring)



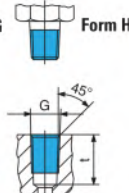
Form F

Thread Port up to Ø d according to DIN 3852 part 1 and part 2, from X (sealed with flat seal)



Form G

Thread Port according to HYDROTECHNIK standard N901-01-14 (sealed with O-ring)



Form H

Thread Port according to ANSI/ASME B 1.20.1-1983 (self sealing thread)

### SAE J 514 (UNF)

G	b	t
ISO 7/16 - R1/8	5.5	9.5
ISO 7/16 - R1/4	8.5	13.5

G	d <sub>1</sub>	d <sub>2</sub>	b	k	t	a	z°
7/16-20 UNF	21.0	12.4	11.5	2.4	14.0	1.6	12.0
1/2-20 UNF	23.0	14.0	11.5	2.4	14.0	1.6	12.0
9/16-18 UNF	25.0	15.6	12.7	2.5	15.5	1.6	12.0
3/4-16 UNF	30.0	20.6	14.3	2.5	17.5	2.4	12.0

### ISO 6149-1

G	d <sub>1</sub>	d <sub>2</sub>	b	k	t	a	z°
M 10 x 1	19.0	11.1	10.0	1.6	11.5	1.0	12.0
M 12 x 1.5	19.0	13.8	11.5	2.4	14.0	1.5	15.0
M 14 x 1.5	21.0	15.8	11.5	2.4	14.0	1.5	15.0
M 16 x 1.5	24.0	17.8	13.0	2.4	15.5	1.5	15.0

G	d	a	b	t
ISO 228-G 1/8	15.0	1.0	8.0	13.0
ISO 228-G 1/4	20.0	1.5	12.0	18.5
ISO 228-G 3/8	25.0	2.0	12.0	18.5
ISO 228-G 1/2	27.0	2.5	14.0	22.0
M 12 x 1.5	18.0	1.5	12.0	18.5
M 14 x 1.5	20.0	1.5	12.0	18.5
M 16 x 1.5	22.0	1.5	12.0	18.5

G	d	b	t
M 8 x 1	9.5	9.0	13.0
M 10 x 1	11.5	9.0	13.0

G	t
1/8" NPTF	12.0
1/4" NPTF	17.5
1/2" NPTF	22.9

New

### MINIMESS® 1620 TEST POINT STEEL WITH NBR SEALS



8430

PART NUMBER	THREAD	SEAL TYPE	PRICE
HTP2103-01-33.00	M10 x 1.0	Form G	£18.12
HTP2103-01-13.00	M12 x 1.5	Form F	£16.89
HTP2103-01-14.00	M14 x 1.5	Form F	£16.89
HTP2103-01-15.00	M16 x 1.6	Form F	£23.01
HTP2103-01-17.00	1/8" BSPP	Form F	£9.19
HTP2103-01-18.00	1/4" BSPP	Form F	£9.19
HTP2103-01-51.CN	1/4" BSP	Cone	£20.89
HTP2103-01-16.00	3/8" BSPP	Form F	£16.89
HTP2103-01-46.00	1/8" NPTF	Form H	£16.89
HTP2103-01-47.00	1/4" NPTF	Form H	£16.89
HTP2103-01-21.00	7/16-20 UNF	Form E	£16.89
HTP2103-01-53.00	9/16-18 UNF	Form E	£16.89
HTP2103-01-40.00	1/8" BSPT	Form C	£22.09
HTP2103-01-41.00	1/4" BSPT	Form C	£19.70

New

### MINIMESS® 1620 TEST POINT STAINLESS STEEL WITH VITON™ SEALS



8430

PART NUMBER	THREAD	SEAL TYPE	PRICE
HTP2703-01-17.10	1/8" BSPP	Form F	£62.97
HTP2703-01-18.10	1/4" BSPP	Form F	£62.97
HTP2703-01-47.10	1/4" NPTF	Form H	£76.06

## MINIMESS® 1620 TEST POINT ADAPTORS C/W FITTED TEST POINT

New

**INLINE TEE – LIGHT SERIES**  
**METRIC DKO MALE X**  
**SWIVEL FEMALE**



8430

PART NUMBER	TUBE OD	THREAD	PRICE
HTP2103-KL-06.00	6 mm	M12 x 1.5	£43.22
HTP2103-KL-08.00	8 mm	M14 x 1.5	£54.19
HTP2103-KL-10.00	10 mm	M16 x 1.5	£50.04
HTP2103-KL-12.00	12 mm	M18 x 1.5	£58.24
HTP2103-KL-15.00	15 mm	M22 x 1.5	£54.56
HTP2103-KL-18.00	18 mm	M26 x 1.5	£52.71
HTP2103-KL-22.00	22 mm	M30 x 2.0	£76.88

New

**INLINE TEE**  
**BSPP MALE X**  
**60° CONE SWIVEL FEMALE**



8430

PART NUMBER	THREAD	PRICE
HTPSNA01	1/4" BSPP	£21.14
HTPSNA02	3/8" BSPP	£21.56
HTPSNA03	1/2" BSPP	£22.46
HTPSNA04	3/4" BSPP	£25.75
HTPSNA05	5/8" BSPP	£24.69
HTPSNA06	1" BSPP	£33.93
HTPSNA07	1 1/4" BSPP	£54.34
HTPSNA08	1 1/2" BSPP	£58.30

New

**INLINE TEE – HEAVY SERIES**  
**METRIC DKO MALE X**  
**SWIVEL FEMALE**



8430

PART NUMBER	TUBE OD	THREAD	PRICE
HTP2103-KS-06.00	6 mm	M14 x 1.5	£50.04
HTP2103-KS-08.00	8 mm	M16 x 1.5	£48.56
HTP2103-KS-10.00	10 mm	M18 x 1.5	£51.73
HTP2103-KS-12.00	12 mm	M20 x 1.5	£52.47
HTP2103-KS-16.00	16 mm	M24 x 1.5	£58.08
HTP2103-KS-20.00	20 mm	M30 x 2.0	£76.70

New

**INLINE TEE**  
**JIC MALE X**  
**37° CONE SWIVEL FEMALE**



8430

PART NUMBER	THREAD	PRICE
HTPSNA55	7/16"-20 JIC	£22.56
HTPSNA56	1/2"-20 JIC	£23.37
HTPSNA57	9/16"-18 JIC	£24.12
HTPSNA58	3/4"-16 JIC	£24.86
HTPSNA59	7/8"-14 JIC	£25.60
HTPSNA60	1.1/16"-12 JIC	£32.65
HTPSNA61	1.5/16"-12 JIC	£39.22
HTPSNA62	1.5/8"-12 JIC	£51.35
HTPSNA63	1.7/8"-12 JIC	£75.29

New

**INLINE STANDPIPE – LIGHT SERIES**  
**METRIC DKO FEMALE**  
**24° SEALING CONE**



8430

PART NUMBER	TUBE OD	THREAD	PRICE
HTP2103-93-06.00	6 mm	M12 x 1.5	£20.72
HTP2103-93-08.00	8 mm	M14 x 1.5	£24.89
HTP2103-93-10.00	10 mm	M16 x 1.5	£26.28
HTP2103-93-12.00	12 mm	M18 x 1.5	£27.55
HTP2103-93-15.00	15 mm	M22 x 1.5	£25.53
HTP2103-40-18.00	18 mm	M26 x 1.5	£29.16
HTP2103-40-22.00	22 mm	M30 x 2.0	£39.07
HTP2103-40-28.00	28 mm	M36 x 2.0	£52.82
HTP2103-40-35.00	35 mm	M45 x 2.0	£50.96

New

**INLINE TEE**  
**ORFS MALE X**  
**SWIVEL FEMALE**



8430

PART NUMBER	THREAD	PRICE
HTPSNA70	9/16"-18 ORFS	£26.16
HTPSNA71	11/16"-16 ORFS	£27.20
HTPSNA72	13/16"-16 ORFS	£29.35
HTPSNA73	1"-14 ORFS	£30.31
HTPSNA74	1.3/16"-12 ORFS	£33.25
HTPSNA75	1.7/16"-12 ORFS	£35.33

New

**INLINE STANDPIPE – HEAVY SERIES**  
**METRIC DKO FEMALE**  
**24° SEALING CONE**



8430

PART NUMBER	THREAD	TUBE OD	PRICE
HTP2103-94-06.00	6 mm	M14 x 1.5	£26.47
HTP2103-94-08.00	8 mm	M16 x 1.5	£26.16
HTP2103-94-10.00	10 mm	M18 x 1.5	£28.81
HTP2103-94-12.00	12 mm	M20 x 1.5	£34.76
HTP2103-94-14.00	14 mm	M22 x 1.5	£32.59
HTP2103-94-16.00	16 mm	M24 x 1.5	£33.97
HTP2103-41-20.00	20 mm	M30 x 2.0	£36.51
HTP2103-41-25.00	25 mm	M36 x 2.0	£40.35
HTP2103-41-30.00	30 mm	M42 x 2.0	£64.04

## MINIMESS® 1620 TEST POINT ADAPTORS

New

### GAUGE ADAPTOR FEMALE



8430

PART NUMBER	THREAD	THREAD	PRICE
HTP2103-07-11.62	M16 x 2	1/4" BSPP	£19.81
HTP2103-07-12.62	M16 x 2	1/2" BSPP	£26.04
HTP2103-07-23.62	M16 x 2	1/4" NPT	£28.57

New

### BULKHEAD ADAPTOR WITH VALVE METRIC MALE X MALE



8430

PART NUMBER	THREAD	PRICE
HTP2103-04-16.00	M16 x 2	£38.99

New

### BULKHEAD ADAPTOR WITHOUT VALVE MALE X FEMALE GAUGE



8430

PART NUMBER	THREAD	PRICE
HTP2103-05-11.00	1/4" BSPP	£18.94
HTP2103-05-12.00	1/2" BSPP	£23.64
HTP2103-05-23.00	1/4" NPT	£29.61

New

### HOSE ADAPTOR WITHOUT VALVE MALE X MALE



8430

PART NUMBER	THREAD	PRICE
HTP2146-01-00.00	M16 x 2	£21.12

New

### TEST POINT CONVERSION ADAPTOR WITHOUT VALVE MALE X FEMALE GAUGE



8430

PART NUMBER	MALE THREAD	FEMALE THREAD	PRICE
HTP2101-07-44.62	M16 x 2.0	M12 x 1.5	£38.86
HTP2102-07-44.62	M16 x 2.0	M16 x 1.5	£47.72
HTPHSPF/1620M	5/8" BSF (HSP)	M16 x 2.0	£27.92

New

### PRESSURE & TEMPERATURE TEST POINT WITH VALVE MALE - NBR SEALS



8430

PART NUMBER	THREAD	SEALING FORM	PRICE
HTP2149-04-15.13	1/4" BSPP	Form F	£61.17
HTP2149-04-19.13	M10 x 1.0	Form G	£57.64

## MICROBORE HOSE ASSEMBLIES

### DESCRIPTION

The microbore hose is available in 2 mm internal diameter up to 400 bar working pressure. The hose material is extremely flexible, light weight and can be specified for a large range of uses.

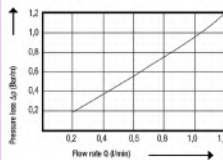
### APPLICATIONS

- Oils
- Water
- Bleeding
- Gases
- Sampling
- Aggressive media
- Grease
- Permanent installations
- Pressure testing up to 630 bar

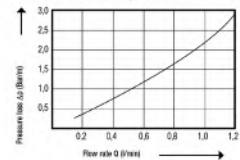
### SPECIFICATIONS

Min. bend radius	20 (below -20°C 30mm)
Working temperature range	-20°C up to +100°C (-4°F to +212°F) short time up to +120°C (+248°F)

Pressure loss curve of DN 2 hose only  
Pressure loss in Bar per metre of hose length without fittings, mineral oil: viscosity 30mm<sup>2</sup> s<sup>-1</sup>



Pressure loss curve of DN 2 hose assemblies  
Pressure loss in Bar through a hose assembly with a length of 1 m, with fittings and Test Points of series 1620 on both sides, mineral oil: viscosity 30mm<sup>2</sup> s<sup>-1</sup>



Safety note: The hose assemblies have to be protected from flames and sharp-edged, hot objects.

New

### DN2 HOSE ASSEMBLY 1620 FEMALE X 1620 FEMALE



8430

PART NUMBER	mm	mtrs	metric	bar	PRICE per assy.
HTPS110-AC-AC-00.20	2	0.2	M16 x 2	630	£28.94
HTPS110-AC-AC-00.40	2	0.4	M16 x 2	630	£29.84
HTPS110-AC-AC-00.80	2	0.8	M16 x 2	630	£30.29
HTPS110-AC-AC-01.00	2	1.0	M16 x 2	630	£32.58
HTPS110-AC-AC-01.50	2	1.5	M16 x 2	630	£34.70
HTPS110-AC-AC-02.00	2	2.0	M16 x 2	630	£37.14
HTPS110-AC-AC-03.00	2	3.0	M16 x 2	630	£41.05
HTPS110-AC-AC-04.00	2	4.0	M16 x 2	630	£44.68
HTPS110-AC-AC-05.00	2	5.0	M16 x 2	630	£54.02

New

### DN2 HOSE ASSEMBLY 1620 FEMALE X BSP SWIVEL GAUGE FEMALE



8430

PART NUMBER	mm	mtrs	BSPP	bar	PRICE per assy.
HTPS110-AC-FA-00.20	2	0.2	1/4	630	£28.94
HTPS110-AC-FA-00.40	2	0.4	1/4	630	£29.84
HTPS110-AC-FA-00.80	2	0.8	1/4	630	£30.29
HTPS110-AC-FA-01.00	2	1.0	1/4	630	£32.58
HTPS110-AC-FA-01.50	2	1.5	1/4	630	£34.70
HTPS110-AC-FA-02.00	2	2.0	1/4	630	£37.14
HTPS110-AC-FA-03.00	2	3.0	1/4	630	£41.05
HTPS110-AC-FA-04.00	2	4.0	1/4	630	£44.68
HTPS110-AC-FA-05.00	2	5.0	1/4	630	£54.02

## MINIMESS® GAS CHARGING VALVES

### FEATURES

- Compatible with inert gases, nitrogen and compressed air
- Resistant against antifreeze, oil, anti-corrosion oil, grease and fuel
- Internal primary and secondary sealing as well as integral seat seal and anti vibration o-ring (to prevent loosening of the metal cap) made of Viton™
- Gas charging valve must be rinsed and cleaned before using oxygen

### SPECIFICATIONS

Working temperature range	-20°C to +135°C (-4°F to +275°F)
Max. working pressure	630 bar

New



### GAS CHARGING VALVE MALE

8400

PART NUMBER	THREAD	SEALING FORM	PRICE
HTP2402-01-18.00	1/4" BSPP	Form F	£56.78
HTP2402-01-79.00	1/2"-20 UNF	Form F	£54.55

Five

## ACCUMULATOR GAS CHARGING & TESTING KITS

### DESCRIPTION

Accumulator charging and testing kit used for charging bladder accumulators with Nitrogen as well as pressure checking and pressure adjustment.

### FEATURES

- Safe & easy to use Minimess® charging & testing connections
- Connects to most types of bladder accumulator valve
- Minimess® test points offer excellent system access versatility
- Simple hand tightening hose connection on to charging valves
- Low cost solution for charging of different accumulator valves
- Safely test, charge or bleed
- Test or charge using Hydrotechnik Minimess® connections up to 630 bar
- Simple hand tightening hose connection on to accumulator charging device
- Compact accumulator charging device
- Connection options for most popular bladder accumulator charging valves
- Economically priced

### FEATURES

- Safe & easy to use Minimess® charging & testing connections
- Safely test, charge or bleed
- Connects to most types of bladder, diaphragm & piston accumulator valves
- Minimess® test points offer excellent system access versatility
- Simple hand tightening hose connection on to charging valves
- Low cost solution for testing & charging of a wide range of accumulators
- Test or charge using Hydrotechnik Minimess® connections up to 630 bar
- Simple hand tightening hose connection on to accumulator charging device
- Connection options for most popular accumulator charging valves
- Economically priced

### KIT CONTENTS

- Valve body complete with 5/8"-18 UNF female ring nut connection to accumulator gas valve, with bleed and Minimess® charging hose connection
- Accumulator charging valve adaptors to 7/8"-14 UNF female, (short thread), 5/16"-32 UNEF (VG8) female (short thread) and 1/4" BSP female (with pin)
- 2.5m long high pressure microbore flexible hose complete with Minimess® connections
- Two pressure gauges (60 bar and 250 bar)
- 5/8" BSP male bullnose adaptor to connect to nitrogen bottle with Minimess® charging hose connection
- Set of spare gaskets
- Carrying case

### KIT CONTENTS

- Valve body complete with M28x1.5 female ring nut connection to accumulator gas valve, with bleed and Minimess® charging hose connection
- Accumulator charging valve adaptors to 7/8"-14 UNF female, (short & long thread), 5/16"-32 UNEF (VG8) female (short & long thread) and 1/4" BSP female (with pin)
- 2.5m long high pressure Minimess® microbore flexible charging hose
- Two pressure gauges (60 bar and 250 bar)
- 5/8" BSP male bullnose adaptor to connect to nitrogen bottle with Minimess® charging hose connection
- Set of spare gaskets
- Carrying case

New

### ACCUMULATOR GAS CHARGING & TESTING KIT COMPACT KIT



8400

PART NUMBER	DESCRIPTION	PRICE
HTPPC280/70-D	Accumulator charging and testing kit typically used for charging bladder accumulators with Nitrogen as well as pressure checking and pressure adjustment.	£429.07

New

### ACCUMULATOR GAS CHARGING & TESTING KIT STANDARD KIT



8400

PART NUMBER	DESCRIPTION	PRICE
HTPPCFPU280/70-U	Gas charging kit for bladder, diaphragm or piston accumulators with Nitrogen or to check or reduce existing precharge pressure in accumulators.	£717.50

## HYDRAPRO HYDRAULIC TEST KITS

### DESCRIPTION

HYDRAPRO hydraulic test kits are used to diagnose faults in hydraulic circuits, determine hydraulic horsepower and test for component wear such as hydraulic valve and cylinder leakage.

### FEATURES

- Complete troubleshooting system
- Plan component repairs
- Economical, compact and rugged design
- Non-electrical
- Easy to use loading valve with safety blow out disc
- Supplied with carry case

### SPECIFICATIONS

Temperature range	-20°C to +116°C (-4°F to 241°F)
Pressure range	414 bar max (3:1 safety factor)
Accuracy	±2% of full scale
Repeatability	±1%
Test kit pressure gauge	0 – 400 bar (0 – 6000 psi)
Test kit overload valve	Pressure compensated balance, 345 bar max.

### MATERIALS

Body	303 stainless steel
Piston and cone	2024–351 aluminium, anodised
Pressure seals	Viton™

New



### HYDRAPRO HYDRAULIC TEST KITS

#### 0–400 BAR PRESSURE RANGE

8400

PART NUMBER	THREAD	FLOW RANGE	TEMP. RANGE	PRICE
HTPHP.702.S.030.TKV	3/4" BSP	10–110 l/min	0–120°C	£1761.42
HTPHP.762.S.050.TKV	1" BSP	19–190 l/min	0–120°C	£1761.42

#### 0–240 BAR PRESSURE RANGE

HTPHP.702.A.030.TKV	3/4" BSP	10–110 l/min	0–120°C	£1174.60
HTPHP.762.A.050.TKV	1" BSP	19–190 l/min	0–120°C	£1174.60

## DIGITAL TEST & DATALOGGING INSTRUMENT

### FEATURES

- MultiHandy 2025 instrument & 2 x AA rechargeable batteries
- Universal mains USB charger & USB cable
- Removable shoulder strap
- Printed Quick Start Manual
- CD ROM with HYDROlink 6 & HYDROcom 6 software and full user manual

New



### MULTIHANDY 2025 INSTRUMENT INSTRUMENT ONLY

8400

PART NUMBER	DESCRIPTION	PRICE
HTP3160-00-78.00	2 Channel datalogger with charger	£822.64

## DIGITAL TEST & DATALOGGING INSTRUMENT KITS

### FEATURES

- MultiHandy 2025 instrument & 2 x AA rechargeable batteries
- Universal mains USB charger & USB cable
- Removable shoulder strap
- Printed Quick Start Manual
- CD ROM with HYDROlink 6 & HYDROcom 6 software and full user manual
- 2 x PR130 standard or PR509 ISDS pressure sensors with 2.5m measuring cable
- Two off Minimes® 1620 female test point to sensor adaptors
- Supplied with carry case

New



### MULTIHANDY 2025 INSTRUMENT KIT

8400

PART NUMBER	DESCRIPTION	PRICE
HTP2025p/p-18-18	2 x 600 bar measuring kit	£1351.98
HTP2025p/p-15-15	2 x 400 bar measuring kit	£1351.98
HTP2025p/p-21-18	1 x 60 bar & 1 x 600 bar measuring kit	£1351.98
HTP2025p/p-21-21	2 x 60 bar measuring kit	£1351.98

## VARIABLE AREA IN-LINE FLOWMETERS

### DESCRIPTION

Universal flowmeter for water and oil applications, with a choice of threads from 1/4" up to 2" in BSP, NPT or SAE and flow ranges up to 570 l/min. Available in aluminium or brass.

### FEATURES

- Unrestricted mounting allows the meter to be installed in any orientation – horizontal, vertical or inverted
- Superior weather-tight exterior design for use outdoors and/or on systems where wash downs are required
- Rugged and reliable design

### SPECIFICATIONS

Measuring accuracy	±2.5% of full-scale in the centre third of the measuring range; ±4% in upper and lower thirds
Repeatability	±1% of full-scale
Flow measuring range	0.2-560 LPM
Max. operating pressure	240 bar
Max. operating temperature	116°C
Filtration requirements	74 micron filter or 200 mesh screen min.

MATERIALS	ALUMINIUM	BRASS
High-pressure casing, end ports and tapered shaft	Aluminium	Brass
Seals	Buna-N (STD), EPR, Viton® or Kalrez®	Buna-N (STD), EPR
Transfer Magnet	Teflon® coated Alnico	Teflon® coated Alnico
Floating Orifice Disk	Stainless steel	Stainless steel
All other internal parts	Stainless steel	Stainless steel

New

### FLOWMETERS ALUMINIUM



8440

PART NUMBER	THREAD	FLOW RANGE	MEDIUM	PRICE
HFP-B4A-6HV-15.A053	1" BSP	4-60 l/min	Oil	£415.20
HFP-B4A-6HV-25.A053	1" BSP	8-100 l/min	Oil	£415.20
HFP-B4A-6HV-40.A053	1" BSP	15-150 l/min	Oil	£415.20
HFP-B4A-6HV-50.A053	1" BSP	19-190 l/min	Oil	£415.20

### BRASS

HFP-B4B-6WV-15.A053	1" BSP	4-60 l/min	Water	£555.00
HFP-B4B-6WV-25.A053	1" BSP	8-100 l/min	Water	£555.00
HFP-B4B-6WV-40.A053	1" BSP	15-150 l/min	Water	£555.00
HFP-B4B-6WV-50.A053	1" BSP	19-190 l/min	Water	£555.00

For level indicators, see page 311.

## WELDLESS OIL TANKS

### FEATURES

- Deep drawing process guarantees 100% tightness
- High stability and weldless structure meet the needs of various hydraulic applications
- Low weights are minimising costs for freight and storage
- An epoxy powder coating provides a high level surface protection and an esthetic appearance
- NBR lid gasket, oil resistant primed steel lid, drain plug, borings for level indicator and welded steel feet included as standard
- On request, tank lids can be individually machined for extra charge
- Lid gaskets are specially designed to prevent leakage oil dropping down, whilst also reducing vibration

### MATERIALS

Body	Weldless steel
Lid and feet	Steel
Coating	Epoxy powder coating in RAL 7011 (Iron grey)
Gasket	NBR

New

### WELDLESS OIL TANKS C/W FEET, LID & GASKET



8445

PART NUMBER	CAPACITY	DIMENSIONS*	PRICE
HFP-HBE-1370	6 ltr	290 x 220 x 183 mm	£88.43
HFP-HBE-1371	12 ltr	350 x 260 x 219 mm	£110.83
HFP-HBE-1372	25 ltr	440 x 330 x 280 mm	£160.10
HFP-HBE-1373	40 ltr	510 x 380 x 328 mm	£207.73
HFP-HBE-1374	70 ltr	610 x 450 x 401 mm	£292.40
HFP-HBE-1375	100 ltr	680 x 500 x 449 mm	£378.58
HFP-HBE-1376	160 ltr	780 x 570 x 522 mm	£455.53
HFP-HBE-1377	250 ltr	900 x 660 x 607 mm	£615.60

\* Length x width x height including feet.

## FLOAT LEVEL SWITCHES

### FEATURES

- Electrical level supervision
- Appropriate for mineral oil, diesel and benzine
- 1 switch contact
- Electrical circuit for level, min / max
- Standard version level max = contact open

### SPECIFICATIONS

Maximum temperature	80°C
Protection	IP 65
Hysteresis	2 – 3 mm
Maximum voltage	250 V AC
Maximum switch current	Level 1.3 A
Power AC/DC	80 W / VA

### MATERIALS

Stem	Brass
Float	Nylon

New



### FLOAT LEVEL SWITCHES 1 SWITCH CONTACT

8445

PART NUMBER	CONNECTION	LENGTH	PRICE
HFP-HBE-1424	1"	200 mm	£98.20
HFP-HBE-1428	1"	300 mm	£103.50
HFP-HBE-1432	1"	400 mm	£112.00
HFP-HBE-1434	1"	500 mm	£112.00

## PLATE HEAT EXCHANGERS FOR HYDRAULICS

### FEATURES

- High pressure operation
- High temperature operation
- Sturdy connection blocks, brazed on the plate-heat-exchanger
- Cooling capacity from 5 to 360 kW
- DOC® Series coolers are suitable for most industrial hydraulic applications
- Due to the brazed contact points between the plates the cooler has a very sturdy design – this allows best possible resistance against high operating pressures
- The sturdy connection blocks allow high fastening torques for assembling

### SPECIFICATIONS

Working temperature range	-196°C to +225°C
Working pressure	See table

### MATERIALS

Cover plates & connections	304 Stainless steel
Plates	316 Stainless steel
Brazing material	Copper

New



### HEAT EXCHANGERS OIL / WATER

8445

PART NUMBER	CONNECTION BSPP		COOLING CAPACITY	PRESSURE	PRICE
	OIL	WATER			
HFP-HBE-000378	3/4"	3/4"	0–10 kW	32 bar	£417.63
HFP-HBE-000379	3/4"	3/4"	5–16 kW	32 bar	£469.73
HFP-HBE-050747	1"	3/4"	10–25 kW	16 bar	£863.75
HFP-HBE-050748	1"	3/4"	20–40 kW	16 bar	£1174.38
HFP-HBE-083347	1 1/4"	3/4"	35–60 kW	32 bar	£929.75
HFP-HBE-083348	1 1/4"	3/4"	50–85 kW	32 bar	£1136.50
HFP-HBE-000396	1 1/2"	1"	80–150 kW	16 bar	£2075.75

## VR IMMERSION HEATERS WITH MAGNETIC CLAMP

### FEATURES

- Pre-heating of the medium by direct heating
- Stable welded version
- Easy installation
- No lateral tank machining
- Low minimum oil level in horizontal position
- Pick up of iron particles with integrated magnetic clamps
- Protection class IP 68
- Integrated thermostat with switch-off temperature (+40°C)
- Integrated temperature limiter, wired for direct switching
- 3 pole, 4 mtr long cable with screwed cable gland M16
- Resistant against HLP and HFA fluids, diesel, heating and vegetable oil

### SPECIFICATIONS

Temperature resistance	Up to -20°C
------------------------	-------------

### MATERIALS

Heating element protection tubes	Stainless steel
Cable connection	Brass

New



### IMMERSION HEATERS 240 V

8445

PART NUMBER	POWER	LENGTH	PRICE
HFP-HBE-1960	250 W	200 mm	£729.63
HFP-HBE-1961	500 W	300 mm	£776.88
HFP-HBE-1962	1000 W	500 mm	£819.88

## OIL CIRCULATION SIGHTS

### FEATURES

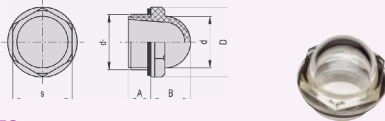
Resistant to solvents, oils with additives, greases, acids and alkalis. Avoid contact with alcohol or detergents containing alcohol.

An adequate tightening torque is recommended when screwing the oil circulation sight, so as to guarantee optimal tightness without any deformation of the packing ring. Suggested tightening torque is the result of laboratory tests at ambient temperature (23°C) with sight, packing ring and reservoir walls perfectly cleaned.

### SPECIFICATIONS

Working temperature range	-30°C to +100°C				
Materials	Transparent polyamide based (PA-T) technopolymer. NBR rubber flat packing ring				
Oil level check	Delimited by a small red externally tamper printed circle				

MAIN DIMENSIONS	A	B	D	d	s
HYA-10851	7.5	13.0	22.5	15	19.0
HYA-10901	10.5	16.0	26.0	19	22.0
HYA-11001	10.5	19.5	31.5	25	27.0
HYA-11101	11.0	24.0	42.0	31	36.0
HYA-11111	11.5	26.5	46.5	38	40.5



### HCFE SERIES

8072

PART NUMBER	THREAD SIZE	TIGHTENING TORQUE (NM)	PRICE
HYA-10851	3/8" BSPP	3 ÷ 5	£3.43
HYA-10901	1/2" BSPP	4 ÷ 6	£3.80
HYA-11001	3/4" BSPP	6 ÷ 8	£4.59
HYA-11101	1" BSPP	8 ÷ 10	£6.85
HYA-11111	1 1/4" BSPP	12 ÷ 15	£9.09

## OIL SIGHT GLASS

### FEATURES

Oil level indicators with prismatic transparent window for high temperatures. The window consists of a continuous series of prisms, which provide an instant, clear reading of the level of the oil contained in the reservoir.

The tightening torque indicated in the table, guarantees an optimal tightness, keeping the packing ring in the correct position.

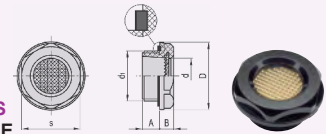
An adequate tightening torque is recommended when screwing the oil level indicator, so as to guarantee optimal tightness without any deformation of the packing ring.

Suggested tightening torque is the result of laboratory tests at ambient temperature (23°C) with indicator, packing ring and reservoir walls perfectly cleaned.

### SPECIFICATIONS

Working temperature range	-30°C to +140°C (at 7 bar pressure)				
Indicator	Polyamide based (PA) technopolymer. Resistant to alcohol (methanol), solvents, oils with additives, greases, hydrocarbons and other chemical agents.				
Prismatic window	Transparent sulphonic based technopolymer. Resistant to alcohol (methanol), solvents, oils with additives, greases, hydrocarbons, acids and alkalis.				
Flat packing ring	FKM (type VITON®, registered trade mark of DuPont Dow Elastomers)				
Colour	Black, glossy finish				

MAIN DIMENSIONS	A	B	D	d	s
HYA-14463	10.0	8.5	28.0	14.5	24
HYA-14483	9.5	8.5	35.0	18.0	32
HYA-14523	11.0	9.5	42.5	23.0	38



### HGFT-HT-PR SERIES HIGH TEMPERATURE

8072

PART NUMBER	THREAD SIZE	TIGHTENING TORQUE (NM)	PRICE
HYA-14463	1/2" BSPP	6 ÷ 8	£8.30
HYA-14483	3/4" BSPP	8 ÷ 10	£9.13
HYA-14523	1" BSPP	10 ÷ 12	£12.61

## COLUMN LEVEL INDICATORS

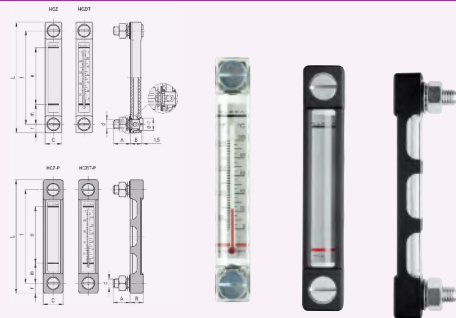
### FEATURES

- Resistant to shocks, solvents, oils with additives, aliphatic and aromatic hydrocarbons, petrol, naphtha and phosphoric esters
- Avoid contact with alcohol and detergents containing alcohol
- Magnifying lens effect
- Maximum fluid level visibility even from side positions
- Ultrasound welding to guarantee a perfect seal
- Step-shaped packing rings for reliable seal against reservoir walls

### SPECIFICATIONS

Working temperature range	-30°C to +90°C (with oil)										
Main body	Transparent polyamide based (PA-T) technopolymer										
Screws and nuts	Zinc plated steel										
Contrast screen	White laquered aluminium										
O-ring screw	NBR synthetic rubber										
Protection frame	Glass fibre reinforced polyamide (PA) SUPER-technopolymer, black colour, matte finish										

MAIN DIMENSIONS	f	d	A	B	C	L	e	m	r	d	f
										(-0.2)	(+0.2)
HYA-11382	76	M10	22	15.0	22	99	40	18	11.5	10.5	76
HYA-11385	127	M12	22	15.0	22	150	80	23	11.5	12.5	127
HYA-11388	254	M12	22	15.0	24	278	203	25	12.5	12.5	254
HYA-11392	76	M10	22	17.5	27	105	40	18	14.5	10.5	76
HYA-11395	127	M12	22	17.5	27	156	80	23	14.5	12.5	127
HYA-11398	254	M12	22	17.5	29	284	203	25	15.5	12.5	254



### HCZ SERIES

8072

PART NUMBER	MAXIMUM TIGHTENING TORQUE (NM)	ASSEMBLY CENTRE DISTANCE	PRICE
HYA-11382	12	76	£18.91
HYA-11385	12	127	£21.46
HYA-11388	12	254	£35.05
HYA-11392	12	76	£22.67
HYA-11395	12	127	£25.78
HYA-11398	12	254	£48.54



## OIL SIGHT GLASS

### FEATURES

Resistant to solvents, oils with additives, greases, acids and alkalis.

The particular shape of this magnifying lens increases and improves visibility even from side positions.

The tightening torque indicated in the table guarantees an optimal tightness, keeping the packing ring in the correct position.

An adequate tightening torque is recommended when screwing the oil level indicator, so as to guarantee optimal tightness without any deformation of the packing ring. Suggested tightening torque is the result of laboratory tests at ambient temperature (23°C) with indicator, packing ring and reservoir walls perfectly cleaned.

### SPECIFICATIONS

Working temperature range -30°C to +100°C

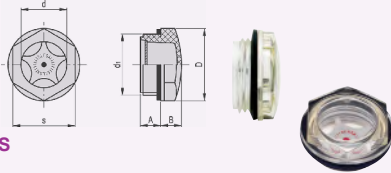
### MATERIALS

Transparent polyamide based (PA-T) technopolymer

Matte anodised aluminium with red central level point

NBR synthetic rubber

MAIN DIMENSIONS	A	B	D	d	s
HYA-13661	8.0	7	22.0	11	19.0
HYA-13681	9.5	8	26.0	14	22.0
HYA-13701	8.0	9	31.5	18	27.0
HYA-13726	13.0	9	31.5	18	27.0
HYA-13711	9.0	9	31.5	20	27.0
HYA-13731	9.0	10	35.0	22	30.0
HYA-13751	11.0	10	40.0	25	34.0
HYA-13771	11.5	13	47.5	30	40.5
HYA-13651	10.0	6	18.0	9	15.0
HYA-13671	7.5	7	22.0	11	19.0
HYA-13691	10.5	8	26.0	14	22.0
HYA-13721	10.5	9	31.5	20	27.0
HYA-13741	11.0	10	40.0	25	34.0
HYA-13761	11.5	13	47.5	30	40.5



### HFTX SERIES METRIC

8072

PART NUMBER	THREAD SIZE	TIGHTENING TORQUE (NM)	PRICE
HYA-13661	M16 x 1.5	2 ÷ 3	£2.91
HYA-13681	M20 x 1.5	8 ÷ 10	£3.15
HYA-13701	M25 x 1.5	8 ÷ 10	£4.59
HYA-13726	M26 x 1.5	8 ÷ 10	£4.53
HYA-13711	M27 x 1.5	8 ÷ 10	£4.77
HYA-13731	M30 x 1.5	8 ÷ 10	£5.70
HYA-13751	M35 x 1.5	8 ÷ 10	£6.30
HYA-13771	M40 x 1.5	8 ÷ 10	£8.67

### IMPERIAL

HYA-13651	1/4" BSPP	2 ÷ 3	£2.91
HYA-13671	3/8" BSPP	3 ÷ 5	£2.91
HYA-13691	1/2" BSPP	4 ÷ 6	£3.20
HYA-13721	3/4" BSPP	6 ÷ 8	£4.08
HYA-13741	1" BSPP	8 ÷ 10	£6.11
HYA-13761	1 3/4" BSPP	8 ÷ 10	£8.67

### FEATURES

Oil level indicators with prismatic window. The window consists of a continuous series of prisms, which provide an instant, clear reading of the level of the oil contained in the reservoir.

Resistant to solvents, oils with additives, greases, acids and alkalis. Avoid contact with alcohol or detergents containing alcohol.

The particular shape of this magnifying lens increases and improves visibility even from side positions.

The tightening torque indicated in the table guarantees an optimal tightness, keeping the packing ring in the correct position.

An adequate tightening torque is recommended when screwing the oil level indicator, so as to guarantee optimal tightness without any deformation of the packing ring. Suggested tightening torque is the result of laboratory tests at ambient temperature (23°C) with indicator, packing ring and reservoir walls perfectly cleaned.

### SPECIFICATIONS

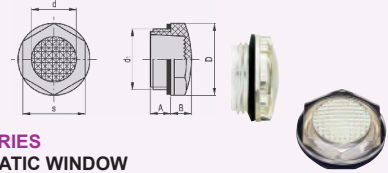
Working temperature range -30°C to +100°C

### MATERIALS

Transparent polyamide based (PA-T) technopolymer

NBR synthetic rubber flat packing ring

MAIN DIMENSIONS	A	B	D	d	s
HYA-13652	10.0	6	18.0	9	15
HYA-13672	7.5	7	22.0	11	19
HYA-13692	10.5	8	26.0	14	22
HYA-13722	10.5	9	31.5	20	27
HYA-13742	11.0	10	40.0	25	34



### HFTX-PR SERIES WITH PRISMATIC WINDOW

8072

PART NUMBER	THREAD SIZE	TIGHTENING TORQUE (NM)	PRICE
HYA-13652	1/4" BSPP	2 ÷ 3	£2.55
HYA-13672	3/8" BSPP	3 ÷ 5	£2.63
HYA-13692	1/2" BSPP	4 ÷ 6	£2.77
HYA-13722	3/4" BSPP	6 ÷ 8	£3.70
HYA-13742	1" BSPP	8 ÷ 10	£5.29

## COLUMN LEVEL INDICATORS

### FEATURES

Maximum fluid level visibility, even from side positions.

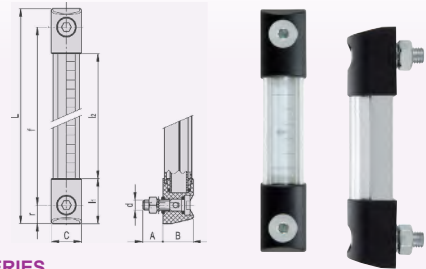
### SPECIFICATIONS

Working temperature range -30°C to +100°C (with oil)

### MATERIALS

Assembly ends	Glass fibre reinforced polyamide based (PA) technopolymer, black colour
Support	Aluminium, natural colour
Column level window	Polycarbonate transparent tube
Screws, nuts and washers	Zinc plated steel
Packing rings	NBR rubber O-ring
Graduated contrast screen	Self-adhesive plastic material, resistant to oils and greases (fitted to the aluminium support)

MAIN DIMENSIONS	A	B	C	L	I1	I2	r	d (-0.2)	f (+0.2)
HYA-111001	20	33	33	113	35.5	42	18.5	10.5	76 + 0.2
HYA-111011	20	33	33	164	46.5	71	18.5	12.5	127 + 0.5



### HCK SERIES

8072

PART NUMBER	THREAD SIZE	ASSEMBLY CENTRE DISTANCE	MAXIMUM TIGHTENING TORQUE	PRICE
HYA-111001	M10	76 mm	12 Nm	£50.15
HYA-111011	M12	127 mm	12 Nm	£55.90

## BREATHER CAPS

### FEATURES

Resistant to solvents, oils, greases and other chemical agents.

Due to high air flow rate, are particularly suitable for use on hydraulic power packs or tanks subject to rapid changes in liquid volume.

### SPECIFICATIONS

Working temperature range -30°C to +100°C

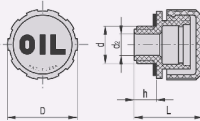
### MATERIALS

Cover and threaded connector	Polyamide based (PA) technopolymer
Flat packing ring	NBR synthetic rubber

### COLOUR

Cover	RAL 2004 orange, semi-matte finish, marked "OIL"
Threaded connector	Black, semi-matte finish

MAIN DIMENSIONS	h	D	L	d2
HYA-56151	9.5	31	29.5	8
HYA-53901	9.5	31	29.5	10
HYA-53911	9.5	31	29.5	12
HYA-56181	11.5	42	36.5	10
HYA-56201	11.5	42	36.5	12
HYA-53921	11.5	42	36.5	17
HYA-53931	11.5	42	36.5	18
HYA-56241	14.0	57	42.0	18
HYA-56261	14.0	57	42.0	23
HYA-53932	16.0	57	44.0	32
HYA-53933	16.0	57	44.0	32
HYA-56381	17.0	70	59.0	23



### SFN SERIES

8072

PART NUMBER	THREAD SIZE	DIAMETER	PRICE
HYA-56151	1/4" BSPP	31 mm	£3.76
HYA-53901	3/8" BSPP	31 mm	£3.62
HYA-53911	1/2" BSPP	31 mm	£4.19
HYA-56181	3/8" BSPP	42 mm	£5.15
HYA-56201	1/2" BSPP	42 mm	£4.91
HYA-53921	3/4" BSPP	42 mm	£4.91
HYA-53931	1" BSPP	42 mm	£5.29
HYA-56241	3/4" BSPP	57 mm	£8.26
HYA-56261	1" BSPP	57 mm	£8.26
HYA-53932	1 1/4" BSPP	57 mm	£8.26
HYA-53933	1 1/2" BSPP	57 mm	£8.85
HYA-56381	2" BSPP	70 mm	£13.48

## BREATHER CAP WITH SPLASH GUARD

### FEATURES

Resistant to solvents, oils, greases and other chemical agents.

### SPECIFICATIONS

Working temperature range -30°C to +100°C

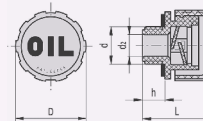
### MATERIALS

Cover and thread connector	Polyamide based (PA) technopolymer
Flat packing ring	NBR synthetic rubber
Splash guard	Technopolymer

### COLOUR

Cover	RAL 2004 orange, semi-matte finish, marked "OIL"
Threaded connector	Black, semi-matte finish

MAIN DIMENSIONS	h	D	L	d2
HYA-53938	9.5	31	29.5	8
HYA-54022	9.5	31	29.5	10
HYA-54122	9.5	31	29.5	12
HYA-56662	11.5	42	36.5	10
HYA-56682	11.5	42	36.5	12
HYA-54222	11.5	42	36.5	18
HYA-54322	11.5	42	36.5	18
HYA-56712	14.0	57	42.0	18
HYA-56742	14.0	57	42.0	23
HYA-54422	16.0	57	44.0	32
HYA-54522	16.0	57	44.0	32



### SFP SERIES

8072

PART NUMBER	THREAD SIZE	DIAMETER	PRICE
HYA-53938	1/4" BSPP	31 mm	£5.43
HYA-54022	3/8" BSPP	31 mm	£5.43
HYA-54122	1/2" BSPP	31 mm	£5.68
HYA-56662	3/8" BSPP	42 mm	£7.09
HYA-56682	1/2" BSPP	42 mm	£6.99
HYA-54222	3/4" BSPP	42 mm	£7.19
HYA-54322	1" BSPP	42 mm	£7.23
HYA-56712	3/4" BSPP	57 mm	£10.61
HYA-56742	1" BSPP	57 mm	£10.75
HYA-54422	1 1/4" BSPP	57 mm	£11.23
HYA-54522	1 1/2" BSPP	57 mm	£11.82

## VALVE BREATHER CAPS

### FEATURES

Valve opens when pressure exceeds 0.010 bar or 0.100 bar.

SFV valve breather caps are particularly suitable for those applications (speed reducers, variators or compressors) when the internal air pressure must not exceed a certain value (10 or 100 mb).

The safety valve of the cap allows the expulsion of the exceeding air in the reservoir, thus re-establishing the pressure values for which the valve is set.

A sealing disc prevents both dust from getting in and oil-losses.

### SPECIFICATIONS

Working temperature range -30°C to +100°C

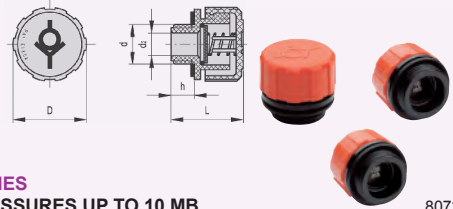
### MATERIALS

Cover and thread connector	Polyamide based (PA) technopolymer
Flat packing ring	NBR synthetic rubber
Safety valve	Technopolymer sealing disk with NBR synthetic rubber O-ring and stainless steel spring

### COLOUR

Cover	RAL 2004 orange, semi-matte finish with graphic symbol "valve"
Threaded connector	Black, semi-matte finish

MAIN DIMENSIONS	h	D	L	d2
HYA-54656 / HYA-54651	9.5	31	29.5	8
HYA-54666 / HYA-54661	9.5	31	29.5	10
HYA-54676 / HYA-54671	9.5	31	29.5	10
HYA-54686 / HYA-54681	11.5	42	36.5	17
HYA-54696 / HYA-54691	11.5	42	36.5	17



### SFV SERIES FOR PRESSURES UP TO 10 MB

8072

PART NUMBER	THREAD SIZE	PRICE
HYA-54651	1/4" BSPP	£6.44
HYA-54661	3/8" BSPP	£6.44
HYA-54671	1/2" BSPP	£6.71
HYA-54681	3/4" BSPP	£9.13
HYA-54691	1" BSPP	£9.78

### FOR PRESSURES UP TO 100 MB

HYA-54656	1/4" BSPP	£6.22
HYA-54666	3/8" BSPP	£6.08
HYA-54676	1/2" BSPP	£6.53
HYA-54686	3/4" BSPP	£9.50
HYA-54696	1" BSPP	£10.06

## MAGNETIC PLUGS

### FEATURES

Permanent magnetic element in special alloy with a high attractive power, to keep metal particles in oil.

Adequate tightening torque is recommended when screwing the plug, so as to guarantee optimal tightness without any deformation of the packing ring. Suggested tightening torque is the result of laboratory tests carried out at ambient temperature (23°C) with plug, packing ring and reservoir walls perfectly cleaned.

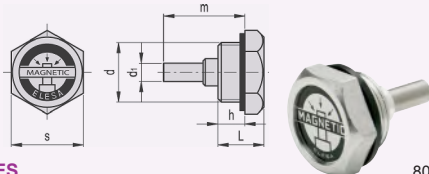
### SPECIFICATIONS

Working temperature range -30°C to +100°C

### MATERIALS

Plug	Aluminium
Plate	Matte anodised aluminium marked "MAGNETIC" and graphic symbol
Flat packing ring	NBR synthetic rubber

MAIN DIMENSIONS	h	s	L	d1	m
HYA-59791	9	19	15.5	6	30.0
HYA-59801	9	22	15.5	8	30.5
HYA-59811	11	26	18.0	8	34.0
HYA-59821	12	32	20.0	8	36.0



### TMA SERIES

8072

PART NUMBER	THREAD SIZE	TIGHTENING TORQUE (NM)	PRICE
HYA-59791	1/4" BSPP	8 ÷ 10	£13.27
HYA-59801	3/8" BSPP	8 ÷ 10	£15.62
HYA-59811	1/2" BSPP	10 ÷ 15	£17.94
HYA-59821	3/4" BSPP	10 ÷ 15	£21.46

## OIL DRAIN PLUGS

### FEATURES

Resistant to solvents, oils, greases and other chemical agents.

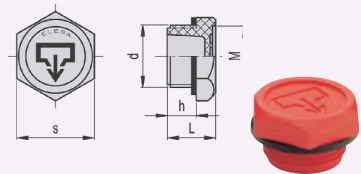
### SPECIFICATIONS

Working temperature range -30°C to +100°C

### MATERIALS

Plug	Glass fibre reinforced polyamide based (PA) technopolymer
Flat packing ring	NBR synthetic rubber
Colour	Red, similar to RAL 3000, matte finish with graphic symbol "drain"

MAIN DIMENSIONS	h	s	L	M
HYA-59972	9	19	16	15.0
HYA-59974	9	19	16	15.0
HYA-59976	9	22	16	17.0
HYA-59978	11	26	18	20.5
HYA-59980	12	32	20	25.0
HYA-59982	13	38	22	31.0
HYA-59986	14	46	24	38.0
HYA-59988	15	55	26	46.0



### TSD SERIES

8072

PART NUMBER	THREAD SIZE	TIGHTENING TORQUE (NM)	PRICE
HYA-59972	1/8" BSPP	4 ÷ 6	£1.72
HYA-59974	1/4" BSPP	4 ÷ 6	£1.72
HYA-59976	3/8" BSPP	8 ÷ 10	£1.72
HYA-59978	1/2" BSPP	8 ÷ 10	£1.90
HYA-59980	3/4" BSPP	10 ÷ 12	£2.49
HYA-59982	1" BSPP	15 ÷ 18	£3.21
HYA-59986	1 1/4" BSPP	15 ÷ 18	£5.56
HYA-59988	1 1/2" BSPP	15 ÷ 18	£7.05

## PLUGS

### FEATURES

Resistant to solvents, oils, greases and other chemical agents.  
Suitable for mounting.

An adequate tightening torque is recommended when screwing the plug, so as to guarantee optimal tightness without any deformation of the packing ring. Suggested tightening torque is the result of laboratory tests carried out at ambient temperature (23°C) with plug, packing ring and reservoir walls perfectly cleaned.

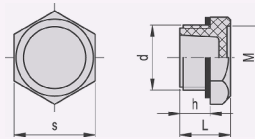
### SPECIFICATIONS

Working temperature range -30°C to +100°C

### MATERIALS

Plug	Glass fibre reinforced, polyamide based (PA) technopolymer
Flat packing ring	NBR synthetic rubber
Colour	Black, matte finish

MAIN DIMENSIONS	h	s	L	M
HYA-58294	9	19	16	15.0
HYA-58295	9	19	16	15.0
HYA-58296	9	22	16	17.0
HYA-58297	11	26	18	20.5
HYA-58298	12	32	20	25.0
HYA-58299	13	38	22	31.0
HYA-58411	14	46	24	38.0
HYA-58413	15	55	26	46.0



8072

### TN SERIES

PART NUMBER	THREAD SIZE	TIGHTENING TORQUE (NM)	PRICE
HYA-58294	1/8" BSPP	4 ÷ 6	£1.66
HYA-58295	1/4" BSPP	4 ÷ 6	£1.66
HYA-58296	3/8" BSPP	8 ÷ 10	£1.66
HYA-58297	1/2" BSPP	8 ÷ 10	£1.76
HYA-58298	3/4" BSPP	10 ÷ 12	£2.46
HYA-58299	1" BSPP	12 ÷ 15	£3.11
HYA-58411	1 1/4" BSPP	15 ÷ 18	£5.52
HYA-58413	1 1/2" BSPP	15 ÷ 18	£6.99

## OIL FILL PLUGS

### FEATURES

Resistant to solvents, oils, greases and other chemical agents.  
TCD plugs are suitable for mounting.

An adequate tightening torque is recommended when screwing the plug, so as to guarantee optimal tightness without any deformation of the packing ring. Suggested tightening torque is the result of laboratory tests carried out at ambient temperature (23°C) with plug, packing ring and reservoir walls perfectly cleaned.

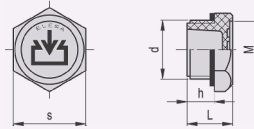
### SPECIFICATIONS

Working temperature range -30°C to +100°C

### MATERIALS

Plug	Glass fibre reinforced, polyamide based (PA) technopolymer
Flat packing ring	NBR synthetic rubber
Colour	Black, matte finish

MAIN DIMENSIONS	h	s	L	M
HYA-58591	9	19	16	15.0
HYA-58601	9	19	16	15.0
HYA-58611	9	22	16	17.0
HYA-58621	11	26	18	20.5
HYA-58631	12	32	20	25.0
HYA-58641	13	38	22	31.0
HYA-58643	14	46	24	38.0
HYA-58645	15	55	26	46.0



8072

### TCD SERIES

PART NUMBER	THREAD SIZE	TIGHTENING TORQUE (NM)	PRICE
HYA-58591	1/8" BSPP	4 ÷ 6	£1.66
HYA-58601	1/4" BSPP	4 ÷ 6	£1.66
HYA-58611	3/8" BSPP	8 ÷ 10	£1.66
HYA-58621	1/2" BSPP	8 ÷ 10	£1.76
HYA-58631	3/4" BSPP	10 ÷ 12	£2.49
HYA-58641	1" BSPP	12 ÷ 15	£3.15
HYA-58643	1 1/4" BSPP	15 ÷ 18	£5.60
HYA-58645	1 1/2" BSPP	15 ÷ 18	£7.26



## PRESSURE FILTERS

### SPECIFICATIONS

Working pressure	420 bar
Test pressure	420 bar
Burst pressure	840 bar
Temperature range	-25°C to +110°C
Bypass valve	Opening pressure 6 bar
Filter element differential pressure	20 bar

### MATERIALS

Head	Cast Iron (chemical heat treatment)
Housing	Steel (chemical heat treatment)
Bypass valve	Steel
Seals	NBR



7710

### FMM 050 SERIES

#### 3 MICRON ELEMENT

PART NUMBER	CONNECTION (BSP)	FILTER LENGTH (MM)	PRICE
MP-FMM0501BACA03NP01	1/2"	158	£167.06
MP-FMM0502BADA03NP01	3/4"	195	£169.32
MP-FMM0503BADA03NP01	3/4"	237	£175.12
MP-FMM0504BADA03NP01	3/4"	285	£207.28

#### 10 MICRON ELEMENT

MP-FMM0501BACA10NP01	1/2"	158	£155.74
MP-FMM0502BADA10NP01	3/4"	195	£157.98
MP-FMM0503BADA10NP01	3/4"	237	£163.06
MP-FMM0504BADA10NP01	3/4"	285	£190.90

#### 25 MICRON ELEMENT

MP-FMM0501BACA25NP01	1/2"	158	£146.72
MP-FMM0502BADA25NP01	3/4"	195	£150.46
MP-FMM0503BADA25NP01	3/4"	237	£154.76
MP-FMM0504BADA25NP01	3/4"	285	£177.74

## RETURN FILTERS

### SPECIFICATIONS

Working pressure	8 bar
Temperature range	-25°C to +110°C
Bypass valve	Opening pressure 1.75 bar
Filter element differential pressure	10 bar

### MATERIALS

Head	Aluminium
Cover	Zytel (MPF 030/100) Aluminium (MPF 184/400/750)

Indicators available – please contact your distributor.



7710

### MPF SERIES

#### 6 MICRON ELEMENT

PART NUMBER	CONNECTION (BSP)	FILTER LENGTH (MM)	PRICE
MP-MPF0301AG1A06HBT	1/2"	89	£60.30
MP-MPF1002AG2A06HBT	3/4"	150	£95.50
MP-MPF1841AG1A06HBT	1 1/4"	232	£194.12
MP-MPF4002AG2A06HBT	1 1/2"	240	£298.84
MP-MPF7501AG1A06HBT	2"	428	£546.06

#### 10 MICRON ELEMENT

MP-MPF0301AG1A10HBT	1/2"	89	£55.12
MP-MPF1002AG2A10HBT	3/4"	150	£84.04
MP-MPF1841AG1A10HBT	1 1/4"	232	£194.12
MP-MPF4002AG2A10HBT	1 1/2"	240	£294.86
MP-MPF7501AG1A10HBT	2"	428	£499.68

#### 25 MICRON ELEMENT

MP-MPF0301AG1A25HBT	1/2"	89	£54.94
MP-MPF1002AG2A25HBT	3/4"	150	£75.76
MP-MPF1841AG1A25HBT	1 1/4"	232	£180.76
MP-MPF4002AG2A25HBT	1 1/2"	240	£252.16
MP-MPF7501AG1A25HBT	2"	428	£457.70

## REPLACEMENT FILTER ELEMENTS

### FMM 050 SERIES

#### 3 MICRON ELEMENT



7710

PART NUMBER	TO SUIT	PRICE
MP-HP0501A03AN	MP-FMM0501BACA03NP01	£57.24
MP-HP0502A03AN	MP-FMM0502BADA03NP01	£58.32
MP-HP0503A03AN	MP-FMM0503BADA03NP01	£62.30
MP-HP0504A03AN	MP-FMM0504BADA03NP01	£90.62

#### 10 MICRON ELEMENT

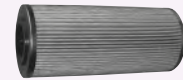
MP-HP0501A10AN	MP-FMM0501BACA10NP01	£45.92
MP-HP0502A10AN	MP-FMM0502BADA10NP01	£46.72
MP-HP0503A10AN	MP-FMM0503BADA10NP01	£50.36
MP-HP0504A10AN	MP-FMM0504BADA10NP01	£74.08

#### 25 MICRON ELEMENT

MP-HP0501A25AN	MP-FMM0501BACA25NP01	£36.88
MP-HP0502A25AN	MP-FMM0502BADA25NP01	£39.32
MP-HP0503A25AN	MP-FMM0503BADA25NP01	£41.94
MP-HP0504A25AN	MP-FMM0504BADA25NP01	£61.08

### MPF SERIES

#### 6 MICRON ELEMENT



7710

PART NUMBER	TO SUIT	PRICE
MP-MF0301A06HB	MP-MPF0301AG1A06HBT	£29.08
MP-MF1002A06HB	MP-MPF1002AG2A06HBT	£54.80
MP-MF1801A06HB	MP-MPF1841AG1A06HBT	£130.44
MP-MF4002A06HB	MP-MPF4002AG2A06HBT	£168.40
MP-MF7501A06HB	MP-MPF7501AG1A06HBT	£351.50

#### 10 MICRON ELEMENT

MP-MF0301A10HB	MP-MPF0301AG1A10HBT	£24.48
MP-MF1002A10HB	MP-MPF1002AG2A10HBT	£43.46
MP-MF1801A10HB	MP-MPF1841AG1A10HBT	£106.25
MP-MF4002A10HB	MP-MPF4002AG2A10HBT	£164.42
MP-MF7501A10HB	MP-MPF7501AG1A10HBT	£305.12

#### 25 MICRON ELEMENT

MP-MF0301A25HB	MP-MPF0301AG1A25HBT	£23.72
MP-MF1002A25HB	MP-MPF1002AG2A25HBT	£35.34
MP-MF1801A25HB	MP-MPF1841AG1A25HBT	£92.74
MP-MF4002A25HB	MP-MPF4002AG2A25HBT	£121.72
MP-MF7501A25HB	MP-MPF7501AG1A25HBT	£263.14

## VISUAL LEVEL INDICATORS

### COMPATIBILITY

NBR seals compatible with mineral oils to ISO 2943 – aqueous emulsions, synthetic fluids, glycol water.

### SPECIFICATIONS

Temperature Range	-25°C to +100°C
Cover	Polyamide
Seals	NBR
Lens	Polyamide



### LVA SERIES

#### WITHOUT THERMOMETER

7710

PART NUMBER	LENGTH (HOLE CENTRES, MM)	BOLT THREAD	PRICE
MP-LVA10SAPM10S01	76	M10	£12.08
MP-LVA20SAPM12S01	127	M12	£16.22
MP-LVA30SAPM12S01	254	M12	£32.44

#### WITH THERMOMETER

MP-LVA10TAMP10S01	76	M10	£13.61
MP-LVA20TAMP12S01	127	M12	£17.90
MP-LVA30TAMP12S01	254	M12	£34.44

## SPIN-ON FILTER

### FEATURES

MPS filters are specifically designed for contamination control in hydraulic and lubrication circuits for mobile applications, agricultural and machine tool systems.

### SPECIFICATIONS

End cap and support tube	Galvanised steel
Support frames	Galvanised steel with an epoxy coating



### MPS SERIES

#### HEAD ONLY

7710

PART NUMBER	THREAD (BSP)	SUCTION / RETURN	PRICE
MP-MPS050RG1T	3/4"	Return	£32.86
MP-MPS050SG1T	3/4"	Suction	£32.86
MP-MPS100RG1T	1 1/4"	Return	£50.18
MP-MPS100SG1T	1 1/4"	Suction	£50.18
MP-MPS300RG1T	1 1/2"	Return	£215.98
MP-MPS300SG1T	1 1/2"	Suction	£215.98

## CANISTERS

### CS SERIES

#### ELEMENTS FOR MPS HEAD

7710

PART NUMBER	DESCRIPTION	PAPER (MICRON)	PRICE
MP-CS050P10A	3/4" BSPP canister	10	£16.90
MP-CS100P10A	1 1/4" BSPP canister	10	£25.56
MP-CS150P10A	1 1/4" BSPP canister	10	£43.73

For further micron options and indicators, please contact your distributor.



## FLOAT LEVEL SWITCHES

### FEATURES

#### RL-SERIES:

- G1 – Single float type, G2 – Double float type
- DIN 43650 connector (except S2-S2 types)
- G2 series has a head which accepts 2 control rods

#### WIRING LOWER & UPPER FLOAT:

S2 – OPEN or CLOSED contacts in the absence or presence of fluid.

### SPECIFICATIONS

Float length	500 mm
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### RL SERIES

#### 1 FLOAT TYPE

7710

PART NUMBER	CONNECTION	WIRING (LOWER FLOAT)	WIRING (UPPER FLOAT)	PRICE
MP-RL-G1-1-S2	1" BSPP	S2	N/A	£141.44
MP-RL-G1-F3-S2	Flange	S2	N/A	£128.90

#### 2 FLOAT TYPE

MP-RL-G2-11/4-S2-S2	1 1/4" BSPP	S2	S2	£268.06
MP-RL-G2-F3-S2-S2	Flange	S2	S2	£256.88

## OIL FILLER & BREATHER FILLER CAPS

### SPECIFICATIONS

Flow rate at 0.02 bar	TA46 : 200 l/min, TA80: 500 l/min, TAP90: 550 l/min
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### TA SERIES

#### NBR SEALS

7710

PART NUMBER	DESCRIPTION	FILTRATION (MICRON)	PRICE
MP-TA46G10000P01	1/4" BSPP chrome air breather	10	£12.08
MP-TA80G10000P01	3/4" BSPP chrome air breather	10	£16.82
MP-TAP90G10A000P01	M52 x 2 nylon air breather	10	£7.66

Other versions available, please contact your distributor.

## THREADED SIGHT PLUG

### SPECIFICATIONS

Body & contrast screen	Nylon
Lens	Thermoplastic
Seals	NBR



### LCPN SERIES

7710

PART NUMBER	SIZE (BSP)	O/D (MM)	PRICE
MP-LCPG20NCAS	1/2"	28	£3.06
MP-LCPG26NCAS	3/4"	35	£3.38
MP-LCPG33NCAS	1"	42	£4.26
MP-LCPG42NCAS	1 1/4"	52	£5.34
MP-LCPG60NCAS	2"	74	£11.14

## CUSHIONS AND SOCKS

### OIL ONLY SPECIFICATIONS

- Polypropylene spun-bonded

### MAINTENANCE SPECIFICATIONS

The absorbents within this kit may be safely used with all aqueous solutions and liquids immiscible with water, such as hydrocarbons, solvents and mineral oils, with the exception of strong oxidising agents.

**New**



### DRIZIT® OIL ONLY CUSHIONS BLUE

9130

PART NUMBER	SIZE CM	SORBENCY LTRS	QTY	PRICE
SKD-0110	55 x 35 x 10	135 – 150	10	£119.64
SKD-0111/20	33 x 21 x 6	85 – 94	20	£87.08

**New**



### DRIZIT® MAINTENANCE CUSHIONS GREY

9130

PART NUMBER	SIZE CM	SORBENCY LTRS	QTY	PRICE
SKD-0310	55 x 35 x 10	70 – 100	10	£84.44
SKD-0311/20	33 x 21 x 6	50 – 90	20	£68.48

**New**



### DRIZIT® OIL ONLY SOCKS BLUE

9130

PART NUMBER	SIZE DIA x LENGTH	SORBENCY LTRS	QTY	PRICE
SKD-0130/600/4	7.5cm x 6m	68 – 76	4	£106.08
SKD-0130/300/5	7.5cm x 3m	42 – 48	5	£73.08
SKD-0130/125/10	7.5cm x 1.25m	35 – 40	10	£58.64
SKD-0130/125/20	7.5cm x 1.25m	70 – 80	20	£114.84
SKD-0130/125/40	7.5cm x 1.25m	140 – 160	40	£224.52

**New**



### DRIZIT® MAINTENANCE SOCKS YELLOW

9130

PART NUMBER	SIZE DIA x LENGTH	SORBENCY LTRS	QTY	PRICE
SKD-0230/600/4	7.5cm x 6m	48 – 60	4	£107.20

**New**



### DRIZIT® MAINTENANCE SOCKS GREY

9130

PART NUMBER	SIZE DIA x LENGTH	SORBENCY LTRS	QTY	PRICE
SKD-0330/300/5	7.5cm x 3m	30 – 42	5	£63.60
SKD-0330/125/10	7.5cm x 1.25m	25 – 36	10	£54.28
SKD-0330/125/20	7.5cm x 1.25m	50 – 72	20	£104.20
SKD-0330/125/40	7.5cm x 1.25m	100 – 144	40	£205.20

## SPILL KITS

### OIL SPILL KIT FEATURES

The absorbents within these kits may be safely used with all liquids immiscible with water, such as hydrocarbons, solvents and mineral oils.

**New**



### DRIZIT® OIL MSK 15 15-17 LITRE SORBENCY

9130

PART NUMBER	CONTENTS	PRICE
SKD-0170/MSK15	10 x Oil pads 2 x Oil socks 125 x 7.5 cm 1 x Disposal bag and tie	£38.52

**New**



### DRIZIT® MAINTENANCE MSK 15 10-15 LITRE SORBENCY

9130

PART NUMBER	CONTENTS	PRICE
SKD-0370/MSK15	10 x Maintenance pads 2 x Maintenance socks 125 x 7.5 cm 1 x Disposal bag and tie	£38.20

**New**

### DRIZIT® MAINTENANCE MSK 30 15-27 LITRE SORBENCY

9130

PART NUMBER	CONTENTS	PRICE
SKD-0370/MSK30	25 x Maintenance pads 3 x Maintenance socks 125 x 7.5 cm 1 x Disposal bag and tie 1 x Pair of gloves	£72.00

## PADS

### OIL ONLY SPECIFICATIONS

- Polypropylene
- May be safely used with all liquids immiscible with water, such as hydrocarbons, solvents, mineral oils, etc.

New

### DRIZIT® ACTIVE 240GSM OIL ONLY PADS WHITE



9130

PART NUMBER	SIZE CM	SORBENCY LTRS	QTY	PRICE
SKD-PDW24MD100BG	40 x 50	78 – 100	100	£74.68

New

### DRIZIT® EXTREME 240GSM OIL ONLY PADS WHITE



9130

PART NUMBER	SIZE CM	SORBENCY LTRS	QTY	PRICE
SKD-PDW24SL100BG	40 x 50	88 – 117	100	£79.84

### MAINTENANCE SPECIFICATIONS

- Polypropylene
- May be safely used with all aqueous solutions and liquids immiscible with water, such as hydrocarbons, solvents and mineral oils, with the exception of strong oxidising agents.

New

### DRIZIT® ACTIVE 175GSM MAINTENANCE PADS GREY



9130

PART NUMBER	SIZE CM	SORBENCY LTRS	QTY	PRICE
SKD-PDG17MD050BG	40 x 52	16 – 33	50	£32.56
SKD-PDG17MD200BG	40 x 52	66 – 131	200	£125.40

New

### DRIZIT® ACTIVE 240GSM MAINTENANCE PADS GREY



9130

PART NUMBER	SIZE CM	SORBENCY LTRS	QTY	PRICE
SKD-PDG24MD100BG	40 x 52	55 – 110	100	£91.60

## ROLLS

### OIL ONLY SPECIFICATIONS

- Polypropylene
- May be safely used with all liquids immiscible with water, such as hydrocarbons, solvents, mineral oils, etc.

New

### DRIZIT® EXTREME 240GSM OIL ONLY ROLLS WHITE



9130

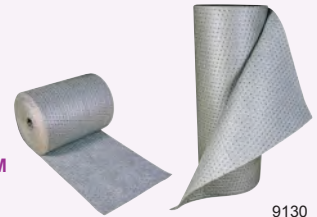
PART NUMBER	SIZE CM x M	SORBENCY LTRS	PRICE
SKD-MRW24SL001BG	50 x 40	88 – 117	£80.24
SKD-LRW24SL001BG	100 x 40	178 – 233	£149.08

### MAINTENANCE SPECIFICATIONS

- Polypropylene
- May be safely used with all aqueous solutions and liquids immiscible with water, such as hydrocarbons, solvents and mineral oils, with the exception of strong oxidising agents.

New

### DRIZIT® EXTREME 240GSM MAINTENANCE ROLLS GREY



9130

PART NUMBER	SIZE CM x M	SORBENCY LTRS	PRICE
SKD-MRG24SL001BG	50 x 40	43 – 86	£97.48
SKD-LRG24SL001BG	100 x 40	86 – 173	£183.12





**QUICK-FIT THREADED PLUGS  
METRIC MALE**

8070

PART NUMBER	THREAD SIZE	DIA	HEIGHT	PRICE
AL12605	M14 x 1.5	21.5 mm	12.5 mm	£0.34
AL12606	M16 x 1.5	23.6 mm	12.5 mm	£0.34
AL18408	M20 x 1.5	26.0 mm	13.0 mm	£0.35
AL12597	M30 x 2.0	39.9 mm	14.6 mm	£0.56
AL12611	M36 x 2.0	45.6 mm	21.5 mm	£0.97
AL12578	M42 x 2.0	63.7 mm	21.2 mm	£1.16
AL12602	M45 x 2.0	57.8 mm	18.5 mm	£1.27
AL12612	M52 x 2.0	65.9 mm	21.3 mm	£1.66

**QUICK-FIT CAPS  
METRIC FEMALE**

8070

PART NUMBER	THREAD SIZE	DIA	HEIGHT	PRICE
AL464150	M16 x 1.5	18.0 mm	12.0 mm	£0.24
AL464151	M16 x 1.5	18.0 mm	21.0 mm	£0.51
AL464152	M18 x 1.5	20.0 mm	14.0 mm	£0.26
AL464153	M20 x 1.5	22.0 mm	14.0 mm	£0.27
AL464154	M22 x 1.5	24.5 mm	14.0 mm	£0.29
AL464155	M24 x 1.5	26.5 mm	14.0 mm	£0.31
AL464156	M26 x 1.5	28.5 mm	14.0 mm	£0.33
AL464157	M28 x 1.5	32.0 mm	14.0 mm	£0.36
AL464158	M30 x 2.0	34.0 mm	14.0 mm	£0.40

New Additions

**BSP/GAS MALE**

AL10101	1/4" x 19	20.5 mm	9.2 mm	£0.18
AL10102	3/8" x 19	24.1 mm	9.6 mm	£0.20
AL10103	1/2" x 14	30.4 mm	9.2 mm	£0.18
AL10105	5/8" x 14	30.2 mm	9.2 mm	£0.50
AL10106	3/4" x 14	34.0 mm	9.1 mm	£0.35
AL12613	3/4" x 14	33.2 mm	12.5 mm	£0.35
AL10107	1" x 11	40.2 mm	9.0 mm	£0.52
AL12614	1 1/4" x 11	49.5 mm	18.7 mm	£1.04
AL10496A	2"	73.7 mm	17.5 mm	£1.32

**UNF/JIC MALE**

AL10108	7/16" x 20	18.5 mm	9.0 mm	£0.19
AL10109	1/2" x 20	20.6 mm	9.1 mm	£0.35
AL10110	9/16" x 18	21.4 mm	9.0 mm	£0.24
AL10119	3/4" x 16	26.7 mm	9.3 mm	£0.30
AL10120	7/8" x 14	29.8 mm	9.2 mm	£0.35
AL11000	1 1/6" x 12	33.9 mm	9.0 mm	£0.42
AL11001	1 5/16" x 12	40.3 mm	9.4 mm	£0.58

New Additions

**THREADED PROTECTION CAPS  
BSP/GAS FEMALE**

8070

PART NUMBER	THREAD SIZE	DIA	HEIGHT	PRICE
AL10559	1/4" x 19	14.8 mm	11.0 mm	£0.14
AL10104	3/8" x 19	18.7 mm	11.3 mm	£0.20
AL10198	1/2" x 14	23.2 mm	13.5 mm	£0.17
AL11157	5/8" x 14	25.4 mm	15.7 mm	£0.20
AL10205	3/4" x 14	29.4 mm	17.7 mm	£0.30
AL10204	1" x 11	36.0 mm	19.0 mm	£0.34
AL10167	1 1/4" x 11	44.4 mm	19.8 mm	£0.43
AL10432A	1 1/2"	50.3 mm	20.5 mm	£0.49
AL10968A	2"	61.9 mm	21.0 mm	£0.76

**UNF/JIC FEMALE**

AL10332	7/16" x 20	13.3 mm	12.9 mm	£0.14
AL10528	1/2" x 20	14.5 mm	13.5 mm	£0.15
AL11041	9/16" x 18	16.5 mm	13.5 mm	£0.16
AL12847	3/4" x 16	21.7 mm	13.8 mm	£0.19
AL11089	7/8" x 14	24.9 mm	20.2 mm	£0.27
AL10685	1 1/6" x 12	29.4 mm	19.0 mm	£0.33
AL10151	1 5/16" x 12	29.4 mm	22.2 mm	£0.39

**TUBING AND HOSE SYMBOL GUIDE**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	Outside diameter millimetres		Wall thickness millimetres		Hose length metres		Maximum pressure bar
	Inside diameter millimetres		Wall thickness inches		Bend radius millimetres		Burst pressure bar
	Outside diameter inches		Coil outside diameter inches		Thread size BSPP		Vacuum pressure mm WG
	Inside diameter inches		Working length metres		Thread size BSPT		Water pressure mH <sub>2</sub> O
	Outside diameter of inner tube millimetres		Working length feet		Thread size metric		Colour

### FEATURES

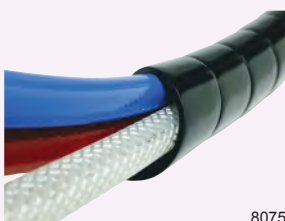
- Ideal for use with single hoses, bundles, multi-lines and cables
- Smooth surface with chamfered edges to aid an easy tool-free installation
- Capable of withstanding temperatures of -40°C to +138°C
- Resistant to many substances, including glycol and phosphate ester hydraulic fluids

### APPLICATIONS

- Hydraulic
- Pneumatic
- Paint spray
- Industrial and many other hose types
- Electrical cables and more

### SPECIFICATIONS

Range	From 10 mm – 150 mm
Material	HDPE – High Density Polyethylene
Temperature range	-40°C to +138°C



### BLACK HDPE HOSE GUARD

50 M BOX

8075

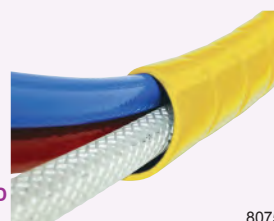
PART NUMBER	OD	RANGE	PRICE
PPW12/50M	12 mm	10 – 13 mm	£84.21
PPW16/50M	16 mm	14 – 20 mm	£84.21
PPW20/50M	20 mm	18 – 24 mm	£91.88
PPW25/50M	25 mm	22 – 30 mm	£112.28
PPW32/50M	32 mm	30 – 38 mm	£168.42
PPW40/50M	40 mm	36 – 45 mm	£237.34

### 20 M BOX

PPW50/20M	50 mm	44 – 66 mm	£122.50
PPW63/20M	63 mm	58 – 70 mm	£181.72
PPW75/20M	75 mm	65 – 78 mm	£226.63
PPW90/20M	90 mm	80 – 98 mm	£314.41

### 12 M BOX

PPW110/12M	110 mm	96 – 116 mm	£245.00
PPW125/12M	125 mm	116 – 150 mm	£277.45



### YELLOW HDPE HOSE GUARD

50 M BOX

8075

PART NUMBER	OD	RANGE	PRICE
PPW12Y/50M	12 mm	10 – 13 mm	£84.21
PPW16Y/50M	16 mm	14 – 20 mm	£84.21
PPW20Y/50M	20 mm	18 – 24 mm	£91.88
PPW25Y/50M	25 mm	22 – 30 mm	£112.28
PPW32Y/50M	32 mm	30 – 38 mm	£168.42
PPW40Y/50M	40 mm	36 – 45 mm	£237.34

### 20 M BOX

PPW50Y/20M	50 mm	44 – 66 mm	£122.50
PPW63Y/20M	63 mm	58 – 70 mm	£181.72
PPW75Y/20M	75 mm	65 – 78 mm	£226.63
PPW90Y/20M	90 mm	80 – 98 mm	£314.41

### 12 M BOX

PPW110Y/12M	110 mm	96 – 116 mm	£245.00
PPW125Y/12M	125 mm	116 – 150 mm	£277.45



**FEATURES**

All plug types are reusable and for use in non-pressurised systems. No tools needed. Plugs offer an environmental and material protection system, preventing oil and chemical spills and leakages. Food safe plugs are produced from FDA approved material.

**APPLICATIONS**

Multiple usage in applications such as any hydraulic maintenance, heavy industry, offshore, forestry, construction, lifting, shipping, demolition, military, transportation, automotive, motorcycles, etc. The original rubber compound is silicone free and highly resistant to many chemicals, acids and other aggressive fluids.

Food safe is to be used where mediums like food, drinks and pharmaceuticals are involved. For use in commercial and industrial areas, including: restaurants, dairies, breweries, bakeries and chemical factories.

**SPECIFICATIONS**

Temperature range      -25°C to +90°C (-15°F to +195°F)



8930

**SPILL PREVENTION PLUGS  
STANDARD PACK**

PART NUMBER	SIZE	QTY PER BOX	PRICE
YELLOC-10STD	5 mm – 22 mm	10	£39.00

**MICRO PACK**

YELLOC-20MICRO	1 mm – 10 mm	20	£45.00
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**XL**

YELLOC-4XL	13 mm – 42 mm	4	£39.00
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**MIXED PACK**

YELLOC-10MIX	1 mm – 42 mm	10	£39.00
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8930

**SPILL PREVENTION PLUGS  
STANDARD PACK – FOOD SAFE**

PART NUMBER	SIZE	QTY PER BOX	PRICE
YELLOC-10STD-FQ	5 mm – 22 mm	10	£39.00

**MICRO PACK – FOOD SAFE**

YELLOC-20MICRO-FQ	1 mm – 10 mm	20	£45.00
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**XL – FOOD SAFE**

YELLOC-4XL-FQ	13 mm – 42 mm	4	£45.00
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**MIXED PACK – FOOD SAFE**

YELLOC-10MIX-FQ	1 mm – 42 mm	10	£45.00
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8930

**INDUSTRIAL SPILL CONTROL PLUGS**

PART NUMBER	SIZE	PRICE
YELLOC-IND35-80	35 mm – 80 mm	£42.00
YELLOC-IND60-130	60 mm – 130 mm	£58.00

### FEATURES

Hose supplied complete with end cuffs

### SPECIFICATIONS

Construction	Oil abrasion ozone and weather resistant synthetic rubber
Temperature range	-35°C to +150°C
Rated Pressure	4000 psi (250 bar)

### 1 WIRE PRESSURE WASHER HOSE ASSEMBLY – 10 M

3/8" BSPP FEMALE X 3/8" BSPP FEMALE



1620

### 2 WIRE PRESSURE WASHER HOSE ASSEMBLY – 10 M

3/8" BSPP FEMALE X 3/8" BSPP FEMALE



1620

PART NUMBER	mm	ins		bar	PRICE
PW-JH00820	6.3	1/4	Black	210	£68.32
PW-JH00400	8.0	5/16	Black	210	£52.20
PW-JH00511	10.0	3/8	Black	210	£63.04
PW-JH00730	10.0	3/8	Blue	210	£65.56

PART NUMBER	mm	ins		bar	PRICE
PW-JH00460	6.3	1/4	Black	400	£62.92
PW-JH00570	8.0	5/16	Black	400	£72.60
PW-JH00760	10.0	3/8	Black	400	£76.12
PW-JH00860	10.0	3/8	Blue	400	£79.28

### 3/8" BSPT MALE X 3/8" BSPP FEMALE

PW-JH00405	6.3	1/4	Black	210	£52.20
PW-JH00516	8.0	5/16	Black	210	£60.48
PW-JH00740	10.0	3/8	Black	210	£65.56
PW-JH00830	10.0	3/8	Blue	210	£68.76

### 3/8" BSPT MALE X 3/8" BSPP FEMALE

PW-JH00575	8.0	5/16	Black	400	£72.60
PW-JH00770	10.0	3/8	Black	400	£76.12
PW-JH00873	10.0	3/8	Blue	400	£80.20

### 3/8" BSPT MALE X 3/8" BSPP MALE

PW-JH00735	10.0	3/8	Black	210	£65.56
PW-JH00825	10.0	3/8	Blue	210	£69.00

### 3/8" BSPT MALE X 3/8" BSPP MALE

PW-JH00765	10.0	3/8	Black	400	£76.12
PW-JH00865	10.0	3/8	Blue	400	£80.20

### 22 MM FEMALE X 3/8" BSPP FEMALE

PW-JH00425	6.3	1/4	Black	210	£56.80
PW-JH00527	8.0	5/16	Black	210	£66.72
PW-JH00750	10.0	3/8	Black	210	£68.32
PW-JH00840	10.0	3/8	Blue	210	£73.36

### 22 MM FEMALE X 3/8" BSPP FEMALE

PW-JH00585	8.0	5/16	Black	400	£75.24
PW-JH00780	10.0	3/8	Black	400	£79.20
PW-JH00883	10.0	3/8	Blue	400	£83.32

### 22 MM FEMALE X 3/8" BSPP MALE

PW-JH00420	6.3	1/4	Black	210	£58.20
PW-JH00521	8.0	5/16	Black	210	£66.72
PW-JH00745	10.0	3/8	Black	210	£68.32
PW-JH00835	10.0	3/8	Blue	210	£73.52

### 22 MM FEMALE X 3/8" BSPP MALE

PW-JH00580	8.0	5/16	Black	400	£75.24
PW-JH00775	10.0	3/8	Black	400	£79.20
PW-JH00878	10.0	3/8	Blue	400	£83.32

### 22 MM FEMALE X 22 MM FEMALE

PW-JH00430	6.3	1/4	Black	210	£59.56
PW-JH00532	8.0	5/16	Black	210	£68.80
PW-JH00755	10.0	3/8	Black	210	£71.32
PW-JH00845	10.0	3/8	Blue	210	£76.12

### 22 MM FEMALE X 22 MM FEMALE

PW-JH00465	6.3	1/4	Black	210	£68.88
PW-JH00590	8.0	5/16	Black	210	£77.88
PW-JH00785	10.0	3/8	Black	210	£82.28
PW-JH00888	10.0	3/8	Blue	210	£87.12



### BLUE END CUFFS

FOR USE ON 1 OR 2 WIRE HOSE

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JHG04BLU	Blue end cuff for 1/4" hose	£4.00
PW-JHG05BLU	Blue end cuff for 5/16" hose	£5.00
PW-JHG06BLU	Blue end cuff for 3/8" hose	£6.00



### BLACK END CUFFS

FOR USE ON 1 OR 2 WIRE HOSE

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JHG04BLK	Black end cuff for 1/4" hose	£3.60
PW-JHG05BLK	Black end cuff for 5/16" hose	£5.00
PW-JHG06BLK	Black end cuff for 3/8" hose	£5.00



**COMPLETE LANCE AND TRIGGERS** 1620

PART NUMBER	DESCRIPTION	PRICE
PW-JL00145	Fixed gun trigger & lance 900 mm 1/4" meg nozzle	£71.80
PW-JL00155	Swivel gun trigger & lance 900 mm 1/4" meg nozzle	£87.20



**LANCE NOZZLE PROTECTOR** 1620

PART NUMBER	DESCRIPTION	PRICE
PW-JL001575	3 part front lance nozzle protector	£5.80



**TRIGGER ASSEMBLY** 1620

PART NUMBER	INLET	OUTLET	WORKING PRESSURE	FITTING	PRICE
PW-JT00118	3/8" BSPF	1/4" BSP	276 bar 45 l/min	Swivel	£58.52



**GUN INSERTS** 1620

PART NUMBER	DESCRIPTION	PRICE
PW-JSW204	1/4" HT SW2 1 washer gun insert	£6.40
PW-JSW205	5/16" HT SW2 1 washer gun insert	£6.40
PW-JSW504	1/4" HT SW5 3 washer gun insert	£6.40
PW-JSW505	5/16" HT SW5 3 washer gun insert	£6.40



**LANCES**  
**ZINC PLATED LANCE & NOZZLE PROTECTOR** 1620

PART NUMBER	DESCRIPTION	PRICE
PW-JL00141	Mould grip angled 900 mm 3 part protector	£20.00
PW-JL00150	Mould grip angled 1200 mm 3 part protector	£30.24



**GUN QUICK RELEASE SYSTEM**  
**FOR PRESSURE WASHER HOSE ASSEMBLIES** 1620

PART NUMBER	DESCRIPTION	PRICE
PW-JA01570	Quick release spigot	£20.40
PW-JA01571	Quick release coupling	£28.68



**TWIN LANCE AND SIDE HANDLE** 1620

PART NUMBER	DESCRIPTION	PRICE
PW-JL00144	Twin lance with side handle 1050 mm	£80.40



**HIGH & LOW PRESSURE**  
**SWIVEL GUN ATTACHMENTS**  
**100 – 600 BAR RATED** 1620

PART NUMBER	DESCRIPTION	PRICE
PW-JA01125	3/8"M x 3/8"F brass swivel connector	£15.68



**LANCE HANDLE** 1620

PART NUMBER	DESCRIPTION	PRICE
PW-JL00153	Lance handle	£20.16



**METRIC ATTACHMENT**  
**JET WASH ADAPTORS**  
**FOR PRESSURE WASHER**  
**HOSE ASSEMBLIES** 1620

PART NUMBER	DESCRIPTION	PRICE
PW-HFMK2204	DN6 M22 x 1.5 x 1/4 jet wash hose tail	£6.40
PW-HFMK2205	DN8 M22 x 1.5 x 5/16 jet wash hose tail	£6.40
PW-HFMK2206	DN10 M22 x 1.5 x 3/8 jet wash hose tail	£6.40



### PRESSURE WASHER ADAPTORS MALE

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JC02000	22 mm male x 1/4" BSP male brass adaptor	£4.40
PW-JC02001	22 mm male x 1/4" BSP female brass adaptor	£4.40
PW-JC02002	22 mm male x 3/8" BSP male brass adaptor	£4.40
PW-JC02003	22 mm male x 3/8" BSP female brass adaptor	£4.40
PW-JC02004	22 mm male x 22 mm BSP male brass adaptor	£4.40



### BRASS CHEMICAL NOZZLE 1/4" MEG

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JN00268	Car wash brass gun nozzle	£9.20



### PRESSURE WASHER ADAPTORS FEMALE

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JC2005	22 mm female coupling x 1/4" BSPP female	£9.00
PW-JC2006	22 mm female coupling x 1/4" BSP male	£9.00
PW-JC2007	22 mm female coupling x 3/8" BSPP female	£9.00
PW-JC2008	22 mm female coupling x 3/8" BSP male	£9.00



### CAR WASH NOZZLE 1/4" MEG NOZZLE

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JN00267	Car wash low pressure chemical nozzle	£9.20



### REPLACEMENT NOZZLES STAINLESS STEEL

#### 1/4" NPT MALE 316 L SPRAY NOZZLE

1620

PART NUMBER	DEGREE	SIZE	PRICE
PW-JN00240	0°	03	£9.20
PW-JN00241	0°	035	£9.20
PW-JN00242	0°	04	£9.20
PW-JN00243	0°	045	£9.20
PW-JN00244	0°	05	£9.20
PW-JN00245	0°	055	£9.20
PW-JN00246	0°	06	£9.20
PW-JN00247	0°	065	£9.20
PW-JN00248	0°	07	£9.20
PW-JN00249	15°	03	£9.20
PW-JN00250	15°	035	£9.20
PW-JN00251	15°	04	£9.20
PW-JN00253	15°	045	£9.20
PW-JN00254	15°	055	£9.20
PW-JN00255	15°	06	£9.20
PW-JN00256	15°	065	£9.20
PW-JN00257	15°	07	£9.20
PW-JN00258	25°	03	£9.20
PW-JN00259	25°	035	£9.20
PW-JN00260	25°	04	£9.20
PW-JN00261	25°	045	£9.20
PW-JN00262	25°	05	£9.20
PW-JN00263	25°	055	£9.20
PW-JN00264	25°	06	£9.20
PW-JN00265	25°	065	£9.20
PW-JN00266	25°	07	£9.20



### NOZZLE HOLDERS WITH/ WITHOUT PROTECTORS

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JN00270	Double rollover adjustable nozzle holder	£35.16
PW-JN00272	Double rollover adjustable nozzle holder with protection	£36.40
PW-JN00271	TR1 adjustable nozzle holder	£23.60



### WATER QRC LOW PRESSURE SINGLE ITEMS

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JA01725	12 – 15 mm quick hose coupling half	£19.28
PW-JA01726	16 – 19 mm quick hose coupling half	£22.84
PW-JA01727	1/2" BSPP female plug half tap connector brass	£8.28
PW-JA01728	3/4" BSPP female plug half tap connector brass	£8.28



### BOOMS

1620

PART NUMBER	DESCRIPTION	PRICE
PW-JA01503	1980 mm ceiling boom 360° rotating	£1541.00

## INTRODUCTION

The company ROTOFLUX was established with the mission to fulfil the needs of the current market of rotary unions, with special emphasis on providing a quality product with the best quality, at an affordable price. Thanks to the technical and commercial experience of its staff, ROTOFLUX has been rapidly recognised as one of the market leaders in the field of rotary union.

## WARRANTY

ROTOFLUX warrants that the products are free from any defect in material or machining. Unless expressly agreed in writing, the liability of ROTOFLUX is limited to the replacement or repair of any proved defective union or part, returned to ROTOFLUX, transportation prepaid. The warranty is extended to 12 months from invoice date. There is no warranty of any kind extended beyond the limits as written above. ROTOFLUX will not be liable for any damage caused by the incorrect use of its unions.

## QUALITY

The quality of ROTOFLUX's unions is continuously guaranteed, and every single union is tested prior to dispatch. High quality materials (stainless steel, steel, aluminium, brass) are used in order to manufacture all ROTOFLUX's unions. A strict control of all the manufacturing process steps, necessary to produce all sub-components, guarantees that all ROTOFLUX's unions respect the key technical specifications needed by the Customer.

## ROTOFLUX BALANCED SEALING

Carbide to carbon graphite seals are used for clean water, air, vacuum and hot oil applications. Carbide to carbide seals are used for applications with poor filtering water, hydraulic oil, coolant and abrasive fluids. The seal faces are micro-lapped for a perfect mating.

## AVAILABLE RANGES

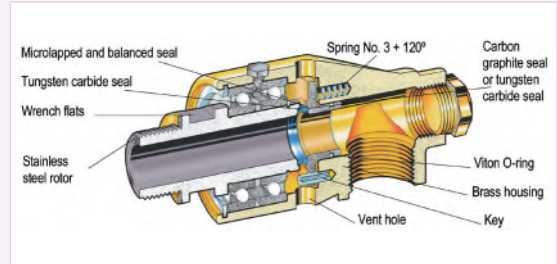
- Universal unions – for filtered water applications
- Large capacity unions – for large fluid flow applications
- Unions for printing machines – for applications with filtered water
- Simple unions for water applications – N seal for filtered water or D seal for poor filtered water
- Low torque unions
- Unions for continuous casting applications – designed to be mounted inside the cylinders of the continuous casting line
- Stainless steel unions – available as standard or heavy duty
- Unions for air, vacuum, hydraulic oil – available as standard or heavy duty
- Unions for shaft mounting applications – available as standard or heavy duty
- Unions for high temperatures
- Unions for high speed applications
- Unions for high speed applications and dry run
- Unions for high speed applications, coolant, air, dry run
- Unions for high speed, machine tool applications
- Unions for high speed, coolant, dry run, air, machine tool applications
- Double passage unions – for two different fluids
- Double passage unions – for air, vacuum and hydraulic oil
- Unions for high speed and high pressure applications
- Around the shaft unions – for water, air, vacuum, hydraulic oil
- Unions for high pressure and low speed applications – single and double passage
- Unions for high pressure and low speed applications – with 2, 4 or 6 passages
- Unions for high pressure and low speed – with 8 passages
- Unions with straight centre bore – with 5 passages

## UNIONS FOR WATER

### DESCRIPTION

Simple in design, competitively priced and suitable for water and steam applications.

SPECIFICATIONS	WATER
Max. pressure	750 psi (50 bar)
Max. temperature	+95°C (+203°F)
Max. rotation speed	1/4" – 3/4" = 3,500 rpm
MATERIALS	
Housing	Brass
Internal body / rotor	Stainless steel AISI 304
Standard seals	Carbon graphite to tungsten carbide



Other sizes available upon request. Flanged and Heavy Duty Unions also available. Contact distributor for further information.

### SINGLE PASSAGE UNIONS RIGHT HAND THREAD



PART NUMBER	ROTOR SIZE	LENGTH	HEX A/F	PRICE
RS08300-01R	1/4" BSPP	88 mm	17	£127.10
RS10300-01R	3/8" BSPP	106 mm	17	£133.30
RS15300-01R	1/2" BSPP	120 mm	24	£179.80
RS20300-01R	3/4" BSPP	139 mm	30	£229.40
RS25300-01R	1" BSPP	162 mm	36	£294.50

### SINGLE PASSAGE UNIONS LEFT HAND THREAD



PART NUMBER	ROTOR SIZE	LENGTH	HEX A/F	PRICE
RS08300-02L	1/4" BSPP	88 mm	17	£127.10
RS10300-02L	3/8" BSPP	106 mm	17	£133.30
RS15300-02L	1/2" BSPP	120 mm	24	£179.80
RS20300-02L	3/4" BSPP	139 mm	30	£229.40
RS25300-02L	1" BSPP	162 mm	36	£294.50

### DOUBLE PASSAGE STATIONARY SIPHON RIGHT HAND THREAD



PART NUMBER	ROTOR SIZE	LENGTH	PRICE
RS103001R80	3/8" BSP	129 mm	£158.10
RS153001R80	1/2" BSP	146 mm	£213.90
RS203001R80	3/4" BSP	173 mm	£269.70
RS253001R80	1" BSP	200 mm	£334.80

### DOUBLE PASSAGE STATIONARY SIPHON LEFT HAND THREAD



PART NUMBER	ROTOR SIZE	LENGTH	PRICE
RS103002L80	3/8" BSP	129 mm	£158.10
RS153002L80	1/2" BSP	146 mm	£213.90
RS203002L80	3/4" BSP	173 mm	£269.70
RS253002L80	1" BSP	200 mm	£334.80

### DOUBLE PASSAGE ROTATING SIPHON RIGHT HAND THREAD



PART NUMBER	ROTOR SIZE	LENGTH	PRICE
RS103001R81	3/8" BSP	129 mm	£158.10
RS153001R81	1/2" BSP	146 mm	£213.90
RS203001R81	3/4" BSP	173 mm	£269.70
RS253001R81	1" BSP	200 mm	£334.80

### DOUBLE PASSAGE ROTATING SIPHON LEFT HAND THREAD



PART NUMBER	ROTOR SIZE	LENGTH	PRICE
RS103002L81	3/8" BSP	129 mm	£158.10
RS153002L81	1/2" BSP	146 mm	£213.90
RS203002L81	3/4" BSP	173 mm	£269.70
RS253002L81	1" BSP	200 mm	£334.80

### ELBOW FOR STATIONARY SIPHON FOR USE WITH DOUBLE PASSAGE UNIONS



PART NUMBER	THREAD SIZE	PRICE
RS10-800	3/8" BSP	£24.80
RS15-800	1/2" BSP	£34.10
RS20-800	3/4" BSP	£40.30
RS25-800	1" BSP	£40.30

### ELBOW FOR ROTATING SIPHON FOR USE WITH DOUBLE PASSAGE UNIONS



PART NUMBER	THREAD SIZE	PRICE
RS10-810	3/8" BSP	£24.80
RS15-810	1/2" BSP	£34.10
RS20-810	3/4" BSP	£40.30
RS25-810	1" BSP	£40.30



## UNIONS FOR AIR, VACUUM AND HYDRAULIC OIL

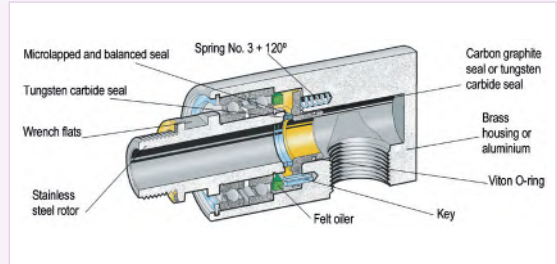
### DESCRIPTION

Simple in design, competitively priced and suitable for many applications.

SPECIFICATIONS	AIR	OIL
Max. pressure	150 psi (10 bar)	750 psi (50 bar)
Max. temperature	+120°C (+248°F)	+120°C (+248°F)
Max. vacuum	-	28" Hg
Max. rotation speed	1/8" - 3/4" = 3,500 rpm	1" = 3,000 rpm

MATERIALS	
Housing	Aluminium
Internal body / rotor	Stainless steel AISI 304
Standard seals	Carbon graphite to tungsten carbide



**SINGLE PASSAGE UNIONS  
FOR AIR & VACUUM  
RIGHT HAND THREAD**

1500



**SINGLE PASSAGE UNIONS  
FOR AIR & VACUUM  
LEFT HAND THREAD**

1500

PART NUMBER	PIPE SIZE	LENGTH	HEX A/F	PRICE
RT06302-01R	1/4" BSPP	73 mm	15	£111.60
RT08302-01R	1/4" BSPP	88 mm	17	£127.10
RT10302-01R	3/8" BSPP	98 mm	17	£133.30
RT15302-01R	1/2" BSPP	120 mm	24	£179.80
RT2030201R	3/4" BSPP	139 mm	30	£229.40
RT2530201R	1" BSPP	162 mm	36	£294.50

PART NUMBER	PIPE SIZE	LENGTH	HEX A/F	PRICE
RT0630202L	1/4" BSPP	73 mm	15	£117.80
RT0830202L	1/4" BSPP	88 mm	17	£127.10
RT1030202L	3/8" BSPP	98 mm	17	£133.30
RT1530202L	1/2" BSPP	120 mm	24	£179.80
RT2030202L	3/4" BSPP	139 mm	30	£229.40
RT2530202L	1" BSPP	162 mm	36	£294.50



**SINGLE PASSAGE UNIONS  
FOR OIL  
RIGHT HAND THREAD**

1500

PART NUMBER	PIPE SIZE	LENGTH	HEX A/F	PRICE
RT08301-01R	1/4" BSPP	88 mm	17	£139.50
RT10301-01R	3/8" BSPP	98 mm	17	£148.80

Other sizes available upon request. Flanged and heavy duty unions also available. Contact distributor for further information.

## UNIONS FOR HIGH PRESSURE AND HIGH SPEED APPLICATIONS

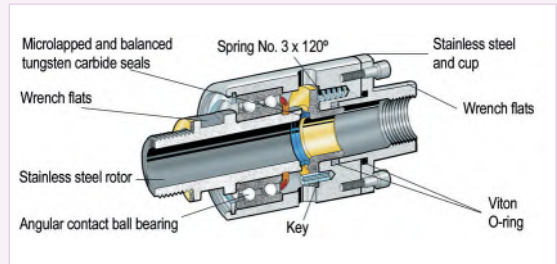
### DESCRIPTION

These unions are for use in high pressure and high speed fluid applications.

SPECIFICATIONS FOR WATER AND OIL	
Max. pressure	5700 psi (400 bar)
Max. temperature	+90°C (+194°F)
Max. rotation speed	1500 rpm

MATERIALS	
Housing	Stainless steel AISI 304
Internal body / rotor	Stainless steel AISI 304
Standard seals	Tungsten carbide



**STRAIGHT THROUGH UNIONS  
RIGHT HAND THREAD**

1500

PART NUMBER	ROTOR SIZE	LENGTH	HEX A/F	PRICE
RC08301-01R	1/4" BSPP	99 mm	17 / 27	£489.80
RC10301-01R	3/8" BSPP	99 mm	22 / 27	£520.80
RC15301-01R	1/2" BSPP	106 mm	24 / 27	£554.90

## UNIONS FOR HIGH SPEED APPLICATIONS AND DRY RUN WITHOUT WEAR

### DESCRIPTION

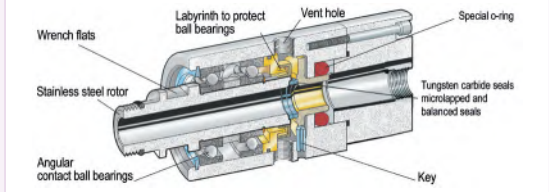
These special rotary unions allow the flow of coolant through the spindles of machine tools and they are also able to run dry at high speed.

SPECIFICATIONS	A08	A10	B08	B10
Max. pressure	1450 psi (100 bar)	600 psi (41 bar)	1450 psi (100 bar)	1000 psi (70 bar)
Max. temperature	+90°C (+194°F)	+90°C (+194°F)	+90°C (+194°F)	+90°C (+194°F)
Max. rotation speed	15,000 rpm	10,000 rpm	20,000 rpm	15,000 rpm

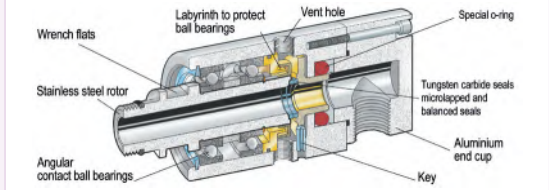
### MATERIALS

Housing	Aluminium
Internal body / rotor	Stainless steel AISI 304
Standard seals	Tungsten carbide

### STRAIGHT THROUGH UNIONS



### 90° UNIONS



1500

### STRAIGHT THROUGH UNIONS RIGHT HAND THREAD

PART NUMBER	ROTOR SIZE	LENGTH	HEX A/F	PRICE
RA08502-04R	M16 x 1.5 PT18	108 mm	17	£474.30
RA10702-04R	M16 x 1.5 PT18	125 mm	17	£319.30
RB08502-04R	M16 x 1.5 PT18	116 mm	20	£651.00
RB10702-04R	M16 x 1.5 PT18	130 mm	20	£682.00



1500

### STRAIGHT THROUGH UNIONS LEFT HAND THREAD

PART NUMBER	ROTOR SIZE	LENGTH	HEX A/F	PRICE
RA08502-05L	M16 x 1.5 PT18	108 mm	17	£474.30
RA10702-05L	M16 x 1.5 PT18	125 mm	17	£319.30
RB08502-05L	M16 x 1.5 PT18	116 mm	20	£651.00
RB10702-05L	M16 x 1.5 PT18	130 mm	20	£682.00



1500

### 90° UNIONS RIGHT HAND THREAD

PART NUMBER	ROTOR SIZE	LENGTH	HEX A/F	PRICE
RA08501-04R	M16 x 1.5 PT18	91 mm	17	£474.30
RA10701-04R	M16 x 1.5 PT18	110 mm	17	£319.30
RB08501-04R	M16 x 1.5 PT18	101 mm	20	£651.00
RB10701-04R	M16 x 1.5 PT18	115 mm	20	£682.00



1500

### 90° UNIONS LEFT HAND THREAD

PART NUMBER	ROTOR SIZE	LENGTH	HEX A/F	PRICE
RA08501-05L	M16 x 1.5 PT18	91 mm	17	£474.30
RA10701-05L	M16 x 1.5 PT18	110 mm	17	£319.30
RB08501-05L	M16 x 1.5 PT18	101 mm	20	£651.00
RB10701-05L	M16 x 1.5 PT18	115 mm	20	£682.00