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THREADS USED ON TUBE ENDS

STANDARD COMPRESSION		SAE FLARE		INVERTED FLARE		INTERNAL COMPRESSION	
TUBE SIZE	THREAD	TUBE SIZE	THREAD	TUBE SIZE	THREAD	TUBE SIZE	THREAD
1/8	5/16 x 24 UNF	1/8	5/16 x 24 UNF	1/8	5/16 x 28 UNS	1/8	9/32 x 26 Brass
3/16	3/8 x 24 UNF	3/16	3/8 x 24 UNF	3/16	3/8 x 24 UNF	3/16	3/8 x 24 UNF
1/4	7/16 x 24 UNS	1/4	7/16 x 20 UNS	1/4	7/16 x 24 UNS	1/4	7/16 x 24 UNS
5/16	1/2 x 24 UNS	5/16	1/2 x 20 UNF	5/16	1/2 x 20 UNF	5/16	1/2 x 24 UNS
3/8	9/16 x 24 UNEF	3/8	5/8 x 18 UNF	3/8	5/8 x 18 UNF	3/8	9/16 x 24 UNEF
1/2	11/16 x 20 UN	1/2	3/4 x 16 UNF	1/2	3/4 x 18 UNS	1/2	3/4 x 24 UNS
5/8	13/16 x 18 UNS	5/8	7/8 x 14 UNF			5/8	7/8 x 20 UNEF
3/4	1 x 18 UNS	3/4	1-1/16 x 14 UN			3/4	1.025 x 18 UNS

AIRBRAKE - AF SERIES		AIRBRAKE - W SERIES	
TUBE SIZE	THREAD	TUBE SIZE	THREAD
1/8	5/16 x 24 UNF	1/4	7/16 x 24 UNS
3/16	3/8 x 24 UNF	3/8	17/32 x 24 UN
1/4	7/16 x 20 UNF	1/2	11/16 x 20 UN
5/16	1/2 x 20 UNF	5/8	13/16 x 18 UNS
3/8	9/16 x 18 UNF	3/4	1 x 18 UNS
1/2	3/4 x 16 UNS		

DETAIL FOR PIPE THREADS

B.S.P. - BRITISH STANDARD PIPE - 55° FORM

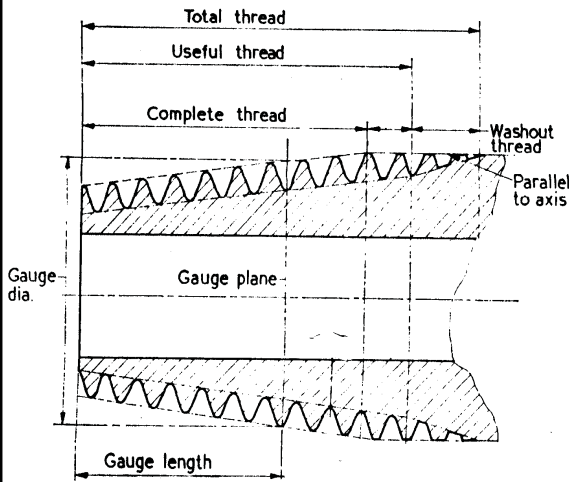
SIZE - Nominal Bore INCH	METRIC (Soft Conversion)	OD of PIPE		THREADS PER INCH	MAJOR DIA (GAUGE DIA)	
		INCH	MM (Actual)		INCH	MM
1/8	6NB	.400	10.2	28	.383	9.73
1/4	8NB	.531	13.5	19	.518	13.16
3/8	10NB	.677	17.2	19	.656	16.66
1/2	15NB	.840	21.3	14	.825	20.95
3/4	20NB	1.060	26.9	14	1.041	26.44
1	25NB	1.330	33.7	11	1.309	33.25
1 1/4	32NB	1.67	42.4	11	1.650	41.91
1 1/2	40NB	1.902	48.3	11	1.882	47.80
2	50NB	2.37	60.3	11	2.347	59.61

DIMENSIONS IN THIS TABLE ARE GIVEN AS A GUIDE TO IDENTIFYING BSP THREADS AND SHOULD NOT BE USED AS A STANDARD FOR MANUFACTURE.

N.P.T. - NATIONAL PIPE TAPER - 60° FORM

SIZE - Nominal Bore INCH	METRIC (Soft Conversion)	OD of PIPE		THREADS PER INCH	MAJOR DIA (GAUGE DIA)	
		INCH	MM (Actual)		INCH	MM
1/8	6NB	.405	10.3	27	.374	9.50
1/4	8NB	.540	13.7	18	.492	12.50
3/8	10NB	.675	17.1	18	.627	15.93
1/2	15NB	.840	21.3	14	.778	19.76
3/4	20NB	1.050	26.7	14	.989	25.12
1	25NB	1.315	33.4	11.5	1.239	31.47
1 1/4	32NB	1.66	42.2	11.5	1.583	40.21
1 1/2	40NB	1.90	48.3	11.5	1.822	46.28
2	50NB	2.375	73.0	11.5	2.296	58.32

DIMENSIONS IN THIS TABLE ARE GIVEN AS A GUIDE TO IDENTIFYING NPT THREADS AND SHOULD NOT BE USED A STANDARD FOR MANUFACTURE.



PRESSURE CONVERSIONS

1 PSI	=	6.894757 KPA	OR	0.07030697 KG/CM ²	OR	0.0689 BAR
1 KPA	=	0.1450377 PSI	OR	0.0102 KG/CM ²	OR	0.01 BAR
1 BAR	=	14.50377 PSI	OR	100 KPA	OR	1.02 KG/CM ²
1 KG/CM ²	=	14.22334 PSI	OR	0.981 BAR	OR	98.05 KPA

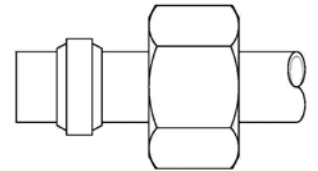
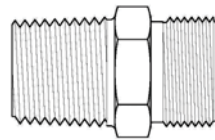
AIR FLOW

LTR/MIN ÷ 28.32 = CU FT/MIN
CU FT/MIN X 28.32 = LTR/MIN

The following information is offered as a guide only, as there will be many variables in every installation. The selection and application of any fitting or allied product is the responsibility of the purchaser. Where possible, Industrial Fittings Sales will advise and give recommendations but will accept no liability in any way.

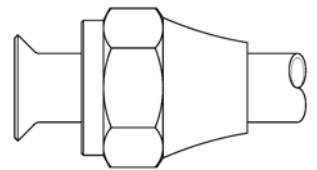
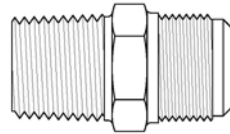
STANDARD COMPRESSION

TUBE: Annealed Copper, Aluminium, Nylon.
PRESSURE: Maximum pressure rating around 500PSI/3500Kpa, decreasing on larger tube sizes and on nylon.
TEMPERATURE: 0° C to 120° C
TYPICAL USES: Airlines, Oil, Petrol and Water lines.



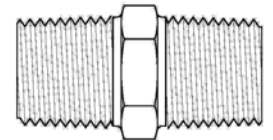
SAE 45° FLARE

TUBE: Copper, Aluminium, Bundy, steel
PRESSURE; Pressure rating around 13,800Kpa/ 2000PSI, decreasing as tube size increases and in some applications.
TEMPERATURE: 0° C to 120°
TYPICAL USES: LPG, Natural Gas, Oil lines.



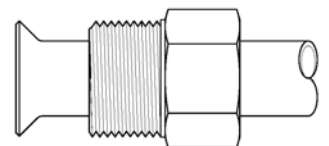
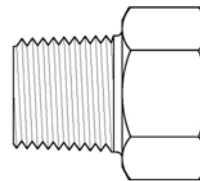
THREADED FITTINGS

PRESSURE; Pressure rating around 3500Kpa/ 500PSI, decreasing as size increases and in some applications.
TEMPERATURE: 0° C to 120°
TYPICAL USES: Generally to join or adapt other fittings or pipe.



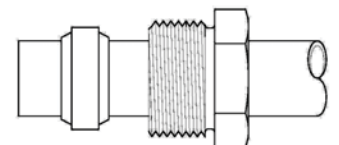
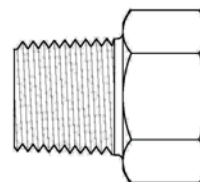
45° INVERTED FLARE

TUBE: Copper, Aluminium, Bundy, steel
PRESSURE; Pressure rating around 13,800Kpa/ 2000PSI, decreasing as tube size increases and in some applications.
TEMPERATURE: 0° C to 120°
TYPICAL USES: Automotive brake lines, Petrol/Oil lines.



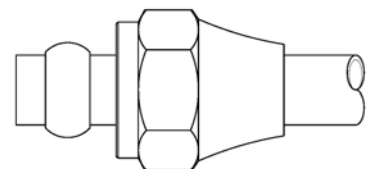
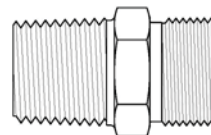
INTERNAL COMPRESSION

TUBE: Annealed Copper, Aluminium, Nylon.
PRESSURE: Medium pressure rating around 500PSI/3500Kpa, decreasing on larger tube sizes and on nylon..
TEMPERATURE: 0° C to 120° C
TYPICAL USES: Airlines, Oil, Petrol and Water lines.



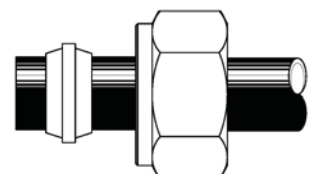
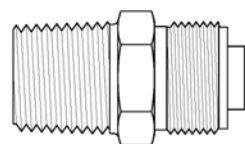
AIRBRAKE “W” STYLE

TUBE: Annealed Copper, Aluminium, Nylon.
PRESSURE: Medium pressure rating around 500PSI/3500Kpa, decreasing on larger tube sizes and on nylon.
TEMPERATURE: 0° C to 120° C
TYPICAL USES: Airlines, Oil, Petrol and Water lines.



AIRBRAKE “NTA” STYLE

TUBE: Nylon.
PRESSURE: Medium pressure rating around 200PSI/1400Kpa, decreasing on larger tube sizes and on nylon.
TEMPERATURE: 0° C to 120° C
TYPICAL USES: Airbrake systems



<u>No. 1 OLIVE</u>  CODE TUBE 0101-02 1/8 0101-03 3/16 0101-04 1/4 0101-05 5/16 0101-06 3/8 0101-08 1/2 0101-10 5/8 0101-12 3/4	<u>No.4 UNION</u>  CODE TUBE TUBE 0104-02 1/8 x 1/8 0104-03 3/16 x 3/16 0104-04 1/4 x 1/4 0104-05 5/16 x 5/16 0104-06 3/8 x 3/8 0104-08 1/2 x 1/2 0104-10 5/8 x 5/8 0104-12 3/4 x 3/4	<u>No.6 FLARE NUT</u>  CODE TUBE 0106-02 1/8 0106-03 3/16 0106-04 1/4 0106-05 5/16 0106-06 3/8 0106-08 1/2 0106-10 5/8 0106-12 3/4
<u>No 100 OLIVE</u>  CODE TUBE 01.100-02 1/8 01.100-03 3-16 01.100-04 1/4 01.100-05 5/16 01.100-06 3/8 01.100-08 1/2 01.100-10 5/8 01.100-12 3/4	<u>No.4R REDUCING UNION</u> CODE TUBE TUBE 0104R-0504 5/16 x 1/4 0104R-0604 3/8 x 1/4 0104R-0605 3/8 x 5/16 0104R-0806 1/2 x 3/8	<u>No.6R REDUCING FLARE NUT</u> CODE TUBE TUBE 0106R-0504 5/16 x 1/4 0106R-0604 3/8 x 1/4 0106R-0605 3/8 x 5/16 0106R-0806 1/2 x 3/8
<u>No. 2 COMPRESSION NUT</u>  CODE TUBE 0102-02 1/8 0102-03 3/16 0102-04 1/4 0102-05 5/16 0102-06 3/8 0102-08 1/2 0102-10 5/8 0102-12 3/4	<u>No. 5 MALE ELBOW</u>  CODE TUBE BSP 0105-0202 1/8 x 1/8 0105-0302 3/16 x 1/8 0105-0304 3/16 x 1/4 0105-0402 1/4 x 1/8 0105-0404 1/4 x 1/4 0105-0404U 1/4 x 1/4UNF 010504M6 1/4 x M6 x 1 0105-0406 1/4 x 3/8 0105-0502 5/16 x 1/8 0105-0504 5/16 x 1/4 0105-0506 5/16 x 3/8 0105-0602 3/8 x 1/8 0105-0604 3/8 x 1/4 0105-0606 3/8 x 3/8 0105-0608 3/8 x 1/2 0105-0804 1/2 x 1/4 0105-0806 1/2 x 3/8 0105-0808 1/2 x 1/2 0105-1006 5/8 x 3/8 0105-1008 5/8 x 1/2 0105-1208 3/4 x 1/2 0105-1212 3/4 x 3/4	<u>No.7 FLARE MALE UNION</u>  CODE TUBE BSP 0107-0202 1/8 x 1/8 0107-0302 3/16 x 1/8 0107-0304 3/16 x 1/4 0107-0402 1/4 x 1/8 0107-0404 1/4 x 1/4 0107-0406 1/4 x 3/8 0107-0408 1/4 x 1/2 0107-0502 5/16 x 1/8 0107-0504 5/16 x 1/4 0107-0506 5/16 x 3/8 0107-0508 5/16 x 1/2 0107-0602 3/8 x 1/8 0107-0604 3/8 x 1/4 0107-0606 3/8 x 3/8 0107-0608 3/8 x 1/2 0107-0804 1/2 x 1/4 0107-0806 1/2 x 3/8 0107-0808 1/2 x 1/2 0107-0812 1/2 x 3/4 0107-1006 5/8 x 3/8 0107-1008 5/8 x 1/2 0107-1208 3/4 x 1/2 0107-1212 3/4 x 3/4
<u>No. 3 MALE CONNECTOR</u>  CODE TUBE BSP 0103-0202 1/8 x 1/8 0103-0302 3/16 x 1/8 0103-0304 3/16 x 1/4 0103-0402 1/4 x 1/8 0103-0404 1/4 x 1/4 0103-0406M 1/4 x 6mm 0103-0404U 1/4 x 1/4UNF 0103-0406 1/4 x 3/8 0103-0408 1/4 x 1/2 0103-0502 5/16 x 1/8 0103-0504 5/16 x 1/4 0103-0506 5/16 x 3/8 0103-0508 5/16 x 1/2 0103-0602 3/8 x 1/8 0103-0604 3/8 x 1/4 0103-0606 3/8 x 3/8 0103-0608 3/8 x 1/2 0103-0804 1/2 x 1/4 0103-0806 1/2 x 3/8 0103-0808 1/2 x 1/2 0103-0812 1/2 x 3/4 0103-1008 5/8 x 1/2 0103-1208 3/4 x 1/2 0103-1212 3/4 x 3/4	<u>No.5 45deg MALE ELBOW</u>  CODE TUBE BSP 010545-0402 1/4 x 1/8 010545-0604 3/8 x 1/4 010545-0606 3/8 x 3/8 010545-0806 1/2 x 3/8 010545-0808 1/2 x 1/2	<u>No.8 FLARE MALE ELBOW</u>  CODE TUBE BSP 0108-0302 3/16 x 1/8 0108-0402 1/4 x 1/8 0108-0404 1/4 x 1/4 0108-0404 1/4 x 3/8 0108-0408 1/4 x 1/2 0108-0502 5/16 x 1/8 0108-0504 5/16 x 1/4 0108-0506 5/16 x 3/8 0108-0602 3/8 x 1/8 0108-0604 3/8 x 1/4 0108-0606 3/8 x 3/8 0108-0608 3/8 x 1/2 0108-0804 1/2 x 1/4 0108-0806 1/2 x 3/8 0108-0808 1/2 x 1/2 0108-1006 5/8 x 3/8 0108-1008 5/8 x 1/2

**No.8-.45deg
FLARE MALE
ELBOW**

CODE	TUBE	BSP
010845-0402	1/4	x 1/8
010845-0502	5/16	x 1/8
010845-0604	3/8	x 1/4
010845-0606	3/8	x 3/8
010845-0806	1/2	x 3/8

**No.13 MALE
RUN TEE**

CODE	TUBE	BSP
0113-0402	1/4	x 1/8
0113-0404	1/4	x 1/4
0113-0504	5/16	x 1/4
0113-0604	3/8	x 1/4
0113-0806	1/2	x 3/8
0113-0808	1/2	x 1/2

**No.17 Continued
CODE**

TUBE	TUBE
0117-06	3/8 x 3/8
0117-08	1/2 x 1/2
0117-10	5/8 x 5/8
0117-12	3/4 x 3/4

No.17R REDUCING UNION

0117R-0504	5/16	x	1/4
0117R-0604	3/8	x	1/4
0117R-0605	3/8	x	5/16
0117R-0806	1/2	x	3/8

**No.10 FEMALE
CONNECTOR**

CODE	TUBE	BSP
0110-0202	1/8	x 1/8
0110-0302	3/16	x 1/8
0110-0304	3/16	x 1/4
0110-0402	1/4	x 1/8
0110-0404	1/4	x 1/4
0110-0502	5/16	x 1/8
0110-0504	5/16	x 1/4
0110-0602	3/8	x 1/8
0110-0604	3/8	x 1/4
0110-0606	3/8	x 3/8
0110-0608	3/8	x 1/2
0110-0804	1/2	x 1/4
0110-0806	1/2	x 3/8
0110-0808	1/2	x 1/2

**No.14 UNION
TEE**

CODE	TUBE
0114-02	1/8
0114-03	3/16
0114-04	1/4
0114-05	5/16
0114-06	3/8
0114-08	1/2

**No.15 FEMALE
ELBOW**

CODE	TUBE	BSP
0115-0302	3/16	x 1/8
0115-0402	1/4	x 1/8
0115-0404	1/4	x 1/4
0115-0502	5/16	x 1/8
0115-0504	5/16	x 1/4
0115-0604	3/8	x 1/4
0115-0806	1/2	x 3/8

**No.18 FLARE
ELBOW**

CODE	TUBE
0118-03	3/16
0118-04	1/4
0118-05	5/16
0118-06	3/8
0118-08	1/2

**No.19 FLARE
TEE**

CODE	TUBE
0119-03	3/16
0119-04	1/4
0119-05	5/16
0119-06	3/8
0119-08	1/2
0119-10	5/8

**No.11 UNION
ELBOW**

CODE	TUBE
0111-02	1/8
0111-03	3/16
0111-04	1/4
0111-05	5/16
0111-06	3/8
0111-08	1/2
0111-10	5/8
0111-12	3/4

**No.16 FLARE
FEMALE UNION**

CODE	TUBE	BSP
0116-0302	3/16	x 1/8
0116-0402	1/4	x 1/8
0116-0404	1/4	x 1/4
0116-0502	5/16	x 1/8
0116-0504	5/16	x 1/4
0116-0604	3/8	x 1/4
0116-0606	3/8	x 3/8
0116-0608	3/8	x 1/2
0116-0804	1/2	x 1/4
0116-0806	1/2	x 3/8
0116-0808	1/2	x 1/2
0116-1008	5/8	x 1/2
0116-1208	3/4	x 1/2
0116-1212	3/4	x 3/4

**No.20 FLARE
MALE BRANCH
TEE**

CODE	TUBE	BSP
0120-0402	1/4	x 1/4
0120-0504	5/16	x 1/4
0120-0604	3/8	x 1/4
0120-0606	3/8	x 3/8
0120-0806	1/2	x 3/8
0120-0808	1/2	x 1/2

**No.12 MALE
BRANCH TEE**

CODE	TUBE	BSP
0112-0302	3/16	x 1/8
0112-0402	1/4	x 1/8
0112-0404	1/4	x 1/4
0112-0502	5/16	x 1/8
0112-0504	5/16	x 1/4
0112-0604	3/8	x 1/4
0112-0606	3/8	x 3/8
0112-0804	1/2	x 1/4
0112-0806	1/2	x 3/8
0112-0808	1/2	x 1/2

**No.17 FLARE
DOUBLE UNION**

CODE	TUBE	TUBE
0117-02	1/8	x 1/8
0117-03	3/16	x 3/16
0117-04	1/4	x 1/4
0117-05	5/16	x 5/16

**No.24
REDUCING
BUSH**

CODE	BSP	BSP
0124-0402	1/4	x 1/8
0124-0602	3/8	x 1/8
0124-0604	3/8	x 1/4
0124-0802	1/2	x 1/8
0124-0804	1/2	x 1/4
0124-0806	1/2	x 3/8
0124-1202	3/4	x 1/8
0124-1204	3/4	x 1/4
0124-1206	3/4	x 3/8
0124-1208	3/4	x 1/2
0124-1604	1	x 1/4
0124-1606	1	x 3/8
0124-1608	1	x 1/2
0124-1612	1	x 3/4

**No.25E M & F
EXTRUDED
ELBOW**

CODE	BSPM	BSPF
0125-02	1/8	x 1/8
0125-04	1/4	x 1/4
0125-06	3/8	x 3/8
0125-08	1/2	x 1/2
0125R-M02F04	1/8	x 1/4
0125R-M04F02	1/4	x 1/8
0125R-M06F04	3/8	x 1/4
0125R-M08F06	1/2	x 3/8

**No.25E 45deg
M & F EXTRUDED
ELBOW**

CODE	BSPM	BSPF
012545-02	1/8	x 1/8
012545-04	1/4	x 1/4
012545-06	3/8	x 3/8
012545-08	1/2	x 1/2

**No.25C M & F
CAST ELBOW**

REFER TO CAT 3 - Page 13
PLUMBING FOR THIS ITEM

**No.26 HEXAGON
SOCKET**

CODE	BSP
0126-02	1/8
0126-04	1/4
0126-06	3/8
0126-08	1/2
0126-12	3/4
0126-16	1

**No.27 HEXAGON
NIPPLE**

CODE	BSP
0127-02	1/8
0127-04	1/4
0127-06	3/8
0127-08	1/2
0127-12	3/4
0127-16	1

**No.28 LONG
HEX NIPPLE**

CODE	BSP	LGTH
0128-0224	1/8 x	1 1/2
0128-0232	1/8 x	2
0128-0424	1/4 x	1 1/2
0128-0432	1/4 x	2
0128-0440	1/4 x	2 1/2
0128-0448	1/4 x	3
0128-0632	3/8 x	2
0128-0648	3/8 x	3

**No.29 REDUCING
SOCKET**

CODE	BSP	BSP
0129-0402	1/4	x 1/8
0129-0602	3/8	x 1/8
0129-0604	3/8	x 1/4
0129-0802	1/2	x 1/8
0129-0804	1/2	x 1/4
0129-0806	1/2	x 3/8

For larger sizes see Category 3

**No.31
BULKHEAD
UNION**

CODE	TUBE
0131-03	3/16
0131-04	1/4
0131-05	5/16
0131-06	3/8
0131-08	1/2

**No.31F FEMALE
BULKHEAD
UNION**

CODE	TUBE	BSP
0131F-0402	1/4	x 1/8

No.33 CAP

CODE	BSP
0133-02	1/8
0133-04	1/4
0133-06	3/8
0133-08	1/2

For larger sizes see Category 3

**No.34E F & F
ELBOW**

CODE	BSP
0134-02	1/8
0134-04	1/4
0134-06	3/8
0134-08	1/2

**No.34E 45deg
F&F ELBOW**

CODE	BSP
013445-02	1/8
013445-04	1/4
013445-06	3/8

**No.34C F&F
CAST ELBOW**

REFER TO CAT 3—Page 13
PLUMBING FOR THIS
PRODUCT

**No.35E
FEMALE TEE**

CODE	BSP
0135-02	1/8
0135-04	1/4
0135-06	3/8
0135-08	1/2
0135-12	3/4



0135MBT-04	1/4Fx1/4Fx1/4M
0135MBT-06	3/8Fx3/8Fx3/8M



0135MRT-04	1/4Fx1/4Mx1/4F
0135MRT-06	3/8Fx3/8Mx3/8F

**No.35M MALE
TEE**

CODE	BSP
0135M-02	1/8
0135M-04	1/4
0135M-06	3/8
0135M-08	1/2

**No.35C FEMALE
CAST TEE**

SEE CAT 3 -
Page 13 - PLUMBING FOR THIS ITEM

**No.36 FEMALE
FLARE ELBOW**

CODE	TUBE	BSP
0136-0402	1/4	x 1/8
0136-0404	1/4	x 1/4
0136-0502	5/16	x 1/8
0136-0504	5/16	x 1/4
0136-0604	3/8	x 1/4
0136-0606	3/8	x 3/8
0136-0608	3/8	x 1/2
0136-0806	1/2	x 3/8
0136-0808	1/2	x 1/2

<u>No.37 FEMALE CROSS</u> 	<u>No.48 MALE ELBOW</u> 	<u>No.59 INVERTED FLARE ELBOW</u> 																																																																
<table><tr><th>CODE</th><th>BSP</th></tr><tr><td>0137-02</td><td>1/8</td></tr><tr><td>0137-04</td><td>1/4</td></tr><tr><td>0137-06</td><td>3/8</td></tr><tr><td>0137-08</td><td>1/2</td></tr></table>	CODE	BSP	0137-02	1/8	0137-04	1/4	0137-06	3/8	0137-08	1/2	<table><tr><th>CODE</th><th>BSP</th><th>BSP</th></tr><tr><td>0148-02</td><td>1/8</td><td>x 1/8</td></tr><tr><td>0148R-0402</td><td>1/4</td><td>x 1/8</td></tr><tr><td>0148-04</td><td>1/4</td><td>x 1/4</td></tr><tr><td>0148-06</td><td>3/8</td><td>x 3/8</td></tr><tr><td>0148R-0604</td><td>3/8</td><td>x 1/4</td></tr><tr><td>0148R-0806</td><td>1/2</td><td>x 3/8</td></tr><tr><td>0148-08</td><td>1/2</td><td>x 1/2</td></tr><tr><td>0148-12</td><td>3/4</td><td>x 3/4</td></tr></table>	CODE	BSP	BSP	0148-02	1/8	x 1/8	0148R-0402	1/4	x 1/8	0148-04	1/4	x 1/4	0148-06	3/8	x 3/8	0148R-0604	3/8	x 1/4	0148R-0806	1/2	x 3/8	0148-08	1/2	x 1/2	0148-12	3/4	x 3/4	<table><tr><th>CODE</th><th>TUBE</th><th>NPT</th></tr><tr><td>0159-0302</td><td>3/16</td><td>x 1/8</td></tr><tr><td>0159-0402</td><td>1/4</td><td>x 1/8</td></tr><tr><td>0159-0404</td><td>1/4</td><td>x 1/4</td></tr><tr><td>0159-0502</td><td>5/16</td><td>x 1/8</td></tr><tr><td>0159-0504</td><td>5/16</td><td>x 1/4</td></tr><tr><td>0159-0602</td><td>3/8</td><td>x 1/8</td></tr><tr><td>0159-0604</td><td>3/8</td><td>x 1/4</td></tr><tr><td>0159-0806</td><td>1/2</td><td>x 3/8</td></tr></table>	CODE	TUBE	NPT	0159-0302	3/16	x 1/8	0159-0402	1/4	x 1/8	0159-0404	1/4	x 1/4	0159-0502	5/16	x 1/8	0159-0504	5/16	x 1/4	0159-0602	3/8	x 1/8	0159-0604	3/8	x 1/4	0159-0806	1/2	x 3/8
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0159-0806	1/2	x 3/8																																																																
<u>No.38 SINGLE UNION</u> 60deg seat 	<u>No.56 FLARE SEAL NUT</u> 	<u>No.59 x 45° INVERTED FLARE ELBOW</u> 																																																																
<table><tr><th>CODE</th><th>BSPP</th><th>BSPT</th></tr><tr><td>0138-0402</td><td>1/4</td><td>x 1/8</td></tr><tr><td>0138-0404</td><td>1/4</td><td>x 1/4</td></tr><tr><td>0138-0406</td><td>1/4</td><td>x 3/8</td></tr><tr><td>0138-0604</td><td>3/8</td><td>x 1/4</td></tr><tr><td>0138-0606</td><td>3/8</td><td>x 3/8</td></tr><tr><td>0138-0808</td><td>1/2</td><td>x 1/2</td></tr></table>	CODE	BSPP	BSPT	0138-0402	1/4	x 1/8	0138-0404	1/4	x 1/4	0138-0406	1/4	x 3/8	0138-0604	3/8	x 1/4	0138-0606	3/8	x 3/8	0138-0808	1/2	x 1/2	<table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>0156-04</td><td>1/4</td></tr><tr><td>0156-05</td><td>5/16</td></tr><tr><td>0156-06</td><td>3/8</td></tr><tr><td>0156-08</td><td>1/2</td></tr></table>	CODE	TUBE	0156-04	1/4	0156-05	5/16	0156-06	3/8	0156-08	1/2	<table><tr><th>CODE</th><th>TUBE</th><th>NPT</th></tr><tr><td>015945-0302</td><td>3/16</td><td>x 1/8</td></tr><tr><td>015945-0402</td><td>1/4</td><td>x 1/8</td></tr><tr><td>015945-0502</td><td>5/16</td><td>x 1/8</td></tr></table>	CODE	TUBE	NPT	015945-0302	3/16	x 1/8	015945-0402	1/4	x 1/8	015945-0502	5/16	x 1/8																					
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<u>NO.38F FEMALE SINGLE UNION</u> 60deg seat 	<u>NO.58 BRASS INVERTED FLARE NUT</u> 	<u>No.60 FORD CARBURETTOR NUT</u> 																																																																
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0158-03	3/16																																																																	
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0158-06	3/8																																																																	
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0160-04	1/4																																																																	
0160-05	5/16																																																																	
<u>No.39 DOUBLE UNION</u> 60deg seated 	<u>No. 58S STEEL INVERTED FLARE NUT</u> 	<u>No.61 INVERTED FLARE TEE</u> 																																																																
<table><tr><th>CODE</th><th>BSPP</th></tr><tr><td>0139-04</td><td>1/4</td></tr><tr><td>0139-06</td><td>3/8</td></tr><tr><td>0139-08</td><td>1/2</td></tr></table>	CODE	BSPP	0139-04	1/4	0139-06	3/8	0139-08	1/2	<table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>0158S-03</td><td>3/16</td></tr><tr><td>0158SR-03</td><td>3/16</td></tr><tr><td></td><td>10mm x 1mm Thread</td></tr><tr><td>0158S-04</td><td>1/4</td></tr><tr><td>0158S-05</td><td>5/16</td></tr><tr><td>0158S-06</td><td>3/8</td></tr><tr><td>0158S-08</td><td>1/2</td></tr></table>	CODE	TUBE	0158S-03	3/16	0158SR-03	3/16		10mm x 1mm Thread	0158S-04	1/4	0158S-05	5/16	0158S-06	3/8	0158S-08	1/2	<table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>0161-03</td><td>3/16</td></tr><tr><td>0161BR-03</td><td>3/16 Bracketed</td></tr><tr><td>0161-04</td><td>1/4</td></tr><tr><td>0161-05</td><td>5/16</td></tr></table>	CODE	TUBE	0161-03	3/16	0161BR-03	3/16 Bracketed	0161-04	1/4	0161-05	5/16																														
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0161-04	1/4																																																																	
0161-05	5/16																																																																	
<u>No.44 SOLDER-ON TAIL</u> 	<u>No.58SL STEEL INVERTED FLARE NUT</u> 	<u>No.62 INVERTED FLARE MALE UNION</u> 																																																																
<table><tr><th>CODE</th><th>TUBE</th><th>NUT</th></tr><tr><td>0144-0504</td><td>5/16D1/4</td><td>x 1/4</td></tr><tr><td>0144-05</td><td>5/16</td><td>x 1/4</td></tr><tr><td>0144-06</td><td>3/8</td><td>x 3/8</td></tr><tr><td>0144-08</td><td>1/2</td><td>x 1/2</td></tr></table>	CODE	TUBE	NUT	0144-0504	5/16D1/4	x 1/4	0144-05	5/16	x 1/4	0144-06	3/8	x 3/8	0144-08	1/2	x 1/2	<table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>0158SL-03</td><td>3/16</td></tr><tr><td>0158SLR-03</td><td>3/16</td></tr><tr><td></td><td>10mm x 1mm Thread</td></tr><tr><td>0158SL-04</td><td>1/4</td></tr></table>	CODE	TUBE	0158SL-03	3/16	0158SLR-03	3/16		10mm x 1mm Thread	0158SL-04	1/4	<table><tr><th>CODE</th><th>TUBE</th><th>NPT</th></tr><tr><td>0162-0202</td><td>1/8</td><td>x 1/8</td></tr><tr><td>0162-0302</td><td>3/16</td><td>x 1/8</td></tr><tr><td>0162-0402</td><td>1/4</td><td>x 1/8</td></tr><tr><td>0162-0404</td><td>1/4</td><td>x 1/4</td></tr><tr><td>0162-0502</td><td>5/16</td><td>x 1/8</td></tr><tr><td>0162-0504</td><td>5/16</td><td>x 1/4</td></tr><tr><td>0162-0602</td><td>3/8</td><td>x 1/8</td></tr><tr><td>0162-0604</td><td>3/8</td><td>x 1/4</td></tr><tr><td>0162-0806</td><td>1/2</td><td>x 3/8</td></tr><tr><td>0162-0808</td><td>1/2</td><td>x 1/2</td></tr></table>	CODE	TUBE	NPT	0162-0202	1/8	x 1/8	0162-0302	3/16	x 1/8	0162-0402	1/4	x 1/8	0162-0404	1/4	x 1/4	0162-0502	5/16	x 1/8	0162-0504	5/16	x 1/4	0162-0602	3/8	x 1/8	0162-0604	3/8	x 1/4	0162-0806	1/2	x 3/8	0162-0808	1/2	x 1/2						
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0162-0808	1/2	x 1/2																																																																
<u>No.45 BSP NUT</u> Used with No.44 																																																																		
<table><tr><th>CODE</th><th>BSP</th></tr><tr><td>0145-04</td><td>1/4</td></tr><tr><td>0145-06</td><td>3/8</td></tr><tr><td>0145-08</td><td>1/2</td></tr><tr><td>0145-12</td><td>3/4</td></tr></table>	CODE	BSP	0145-04	1/4	0145-06	3/8	0145-08	1/2	0145-12	3/4																																																								
CODE	BSP																																																																	
0145-04	1/4																																																																	
0145-06	3/8																																																																	
0145-08	1/2																																																																	
0145-12	3/4																																																																	

**No.62W INVERTED
FLARE SINGLE
UNION**

With washer face



CODE	TUBE	THD
0162W-0306	3/16	x 3/8-24tpi
0162W-0307	3/16	x 7/16-24tpi
0162W-0310	3/16	x 10mmx1mm
0162W-0308	3/16	x 1/2-20tpi

**No.63 INVERTED
FLARE JOINER**

CODE	TUBE
0163-03	3/16
0163-03M	3/16
	-10mm x 1mm Thd
0163-04	1/4
0163-05	5/16
0163-06	3/8

**No.64 TAPER
PLUG**

CODE	BSP
0164-02	1/8
0164-04	1/4
0164-06	3/8
0164-08	1/2
0164-12	3/4
0164-16	1

**No.64S SOLID
TAPER PLUG**

CODE	BSP
0164S-02	1/8
0164S-04	1/4
0164S-06	3/8
0164S-08	1/2
0164S-12	3/4
0164S-16	1

**No.64SH BRASS
PLUG**with hex socket
for Allen Key

CODE	BSP
0164SH-02	1/8
0164SH-04	1/4
0164SH-06	3/8
0164SH-08	1/2
0164SH-12	3/4

**No.64PP
PARALLEL
PLUG**

CODE	BSP	GØ
0164PP-02	1/8	14mm
0164PP-04	1/4	17mm
0164PP-06	3/8	22mm
0164PP-08	1/2	27mm

**No.65 FLARE
SEAL PLUG**

CODE	TUBE
0165-03	3/16
0165-04	1/4
0165-05	5/16
0165-06	3/8
0165-08	1/2

**No.70 FLARE
SWIVEL
CONNECTOR**

CODE	TUBE
0170-04	1/4
0170-05	5/16
0170-06	3/8
0170-08	1/2

**No.72 M & F
ADAPTOR**

CODE	FBSP	MBSP
0172-0202	1/8	x 1/8
0172-020224	1/8	x 1.5 x 1/8
0172-0402	1/4	x 1/8
0172-0404	1/4	x 1/4
0172-0602	3/8	x 1/8
0172-0604	3/8	x 1/4
0172-0606	3/8	x 3/8
0172-0804	1/2	x 1/4
0172-0806	1/2	x 3/8
0172-0808	1/2	x 1/2
0172-1208	3/4	x 1/2
0172-1212	3/4	x 3/4
0172-1608	1	x 1/2
0172-1612	1	x 3/4
0172-1616	1	x 1

FOR SPECIAL ADAPTORS SEE PAGE 12

**No.73 REDUCING
NIPPLE**

CODE	BSP	BSP
0173-0402	1/4	x 1/8
0173-0602	3/8	x 1/8
0173-0604	3/8	x 1/4
0173-0802	1/2	x 1/8
0173-0804	1/2	x 1/4
0173-0806	1/2	x 3/8
0173-1204	3/4	x 1/4
0173-1206	3/4	x 3/8
0173-1208	3/4	x 1/2
0173-1608	1	x 1/2
0173-1612	1	x 3/4

**No.74 BSP
LOCK NUT**

CODE	BSP
0174-02	1/8
0174-04	1/4
0174-06	3/8
0174-08	1/2

For larger sizes see Category 3

**No.75 FEMALE
Y-PIECE**

CODE	BSP
0175-02	1/8
0175-04	1/4
0175-06	3/8
0175-08	1/2

**No.75MF M & F
Y-PIECE**

CODE	BSP
0175MF-02	1/8
0175MF-04	1/4
0175MF-06	3/8
0175MF-08	1/2

No.76 BREATHER

CODE	BSP
0176-02	1/8
0176-04	1/4

**No.99 SPIGOT
Suits F1000 tube**

CODE	TUBE
0199-03	3/16
0199-04	1/4
0199-05	5/16
0199-06	3/8
0199-08	1/2
0199-10	5/8
0199-12	3/4

No.100 OLIVE 	No Z4 DOUBLE UNION 	No.Y14 TUBE TEE 
CODE TUBE 01100-021/8 01100-033/16 01100-041/4 01100-055/16 01100-063/8 01100-081/2 01100-105/8 01100-123/4	CODE TUBE 0504Z-021/8 0504Z-033/16 0504Z-041/4 0504Z-055/16 0504Z-063/8 0504Z-081/2 0504Z-105/8 0504Z-123/4	CODE TUBE 0514Y-033/16 0514Y-041/4 0514Y-055/16 0514Y-063/8 0514Y-081/2
No.Z2 TUBE NUT 	No.Y5 MALE ELBOW 	No.Z31 BULKHEAD UNION 
CODE TUBE 0502Z-021/8 0502Z-033/16 0502Z-041/4 0502Z-055/16 0502Z-063/8 0502Z-081/2 0502Z-105/8 0502Z-123/4	CODE TUBE BSP 0505Y-02021/8x1/8 0505Y-03023/16x1/8 0505Y-03043/16x1/4 0505Y-04021/4x1/8 0505Y-04041/4x1/4 0505Y-05025/16x1/8 0505Y-05045/16x1/4 0505Y-05065/16x3/8 0505Y-06023/8x1/8 0505Y-06043/8x1/4 0505Y-06063/8x3/8 0505Y-08041/2x1/4 0505Y-08061/2x3/8 0505Y-08081/2x1/2	CODE TUBE LOCKNUT 0531Z-041/43/8BSP 0531Z-055/163/8BSP 0531Z-063/81/2BSP 0531Z-081/23/4BSP
No.Z3 MALE CONNECTOR 	No.Z10 FEMALE CONNECTOR 	
CODE TUBE BSP 0503Z-02021/8x1/8 0503Z-03023/16x1/8 0503Z-03043/16x1/4 0503Z-04021/4x1/8 0503Z-04041/4x1/4 0503Z-0404unf1/4x1/4unf 0503Z-04061/4x3/8 0503Z-04081/4x1/2 0503Z-05025/16x1/8 0503Z-05045/16x1/4 0503Z-05065/16x3/8 0503Z-06023/8x1/8 0503Z-06043/8x1/4 0503Z-06063/8x3/8 0503Z-06083/8x1/2 0503Z-08041/2x1/4 0503Z-08061/2x3/8 0503Z-08081/2x1/2 0503Z-08121/2x3/4 0503Z-10065/8x3/8 0503Z-10085/8x1/2 0503Z-12083/4x1/2 0503Z-12123/4x3/4	CODE TUBE BSP 0510Z-03023/16x1/8 0510Z-04021/4x1/8 0510Z-04041/4x1/4 0510Z-05025/16x1/8 0510Z-05045/16x1/4 0510Z-06023/8x1/8 0510Z-06043/8x1/4 0510Z-06063/8x3/8 0510Z-08061/2x3/8 0510Z-08081/2x1/2	
	No.Y11 UNION ELBOW 	
	CODE TUBE 0511Y-041/4 0511Y-055/16 0511Y-063/8 0511Y-081/2	
	No.Y12 MALE BRANCH TEE 	
	CODE TUBE BSP 0512Y-04021/4x1/8 0512Y-04041/4x1/4 0512Y-05045/16x1/4 0512Y-06043/8x1/4 0512Y-08061/2x3/8	
OTHER TYPES AND SIZES AVAILABLE ON REQUEST		

METRIC COMPRESSION FITTINGS CATEGORY 32

No. M100 UNIVERSAL OLIVE  <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>32M.10004</td><td>4mm</td></tr><tr><td>32M.10005</td><td>5mm</td></tr><tr><td>32M.10006</td><td>6mm</td></tr><tr><td>32M.10008</td><td>8mm</td></tr><tr><td>32M.10010</td><td>10mm</td></tr><tr><td>32M.10012</td><td>12mm</td></tr><tr><td>32M.10014</td><td>14mm</td></tr><tr><td>32M.10015</td><td>15mm</td></tr><tr><td>32M.10016</td><td>16mm</td></tr></table>	CODE	TUBE	32M.10004	4mm	32M.10005	5mm	32M.10006	6mm	32M.10008	8mm	32M.10010	10mm	32M.10012	12mm	32M.10014	14mm	32M.10015	15mm	32M.10016	16mm	No. M4 DOUBLE UNION  <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>32M.404</td><td>4mm</td></tr><tr><td>32M.405</td><td>5mm</td></tr><tr><td>32M.406</td><td>6mm</td></tr><tr><td>32M.408</td><td>8mm</td></tr><tr><td>32M.410</td><td>10mm</td></tr><tr><td>32M.412</td><td>12mm</td></tr><tr><td>32M.414</td><td>14mm</td></tr><tr><td>32M.415</td><td>15mm</td></tr><tr><td>32M.416</td><td>16mm</td></tr></table>	CODE	TUBE	32M.404	4mm	32M.405	5mm	32M.406	6mm	32M.408	8mm	32M.410	10mm	32M.412	12mm	32M.414	14mm	32M.415	15mm	32M.416	16mm	No. M14 TUBE TEE  IFS <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>32M1404</td><td>4mm</td></tr><tr><td>32M1406</td><td>6mm</td></tr><tr><td>32M1408</td><td>8mm</td></tr><tr><td>32M1410</td><td>10mm</td></tr><tr><td>32M1412</td><td>12mm</td></tr></table>	CODE	TUBE	32M1404	4mm	32M1406	6mm	32M1408	8mm	32M1410	10mm	32M1412	12mm																																						
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32M.10015	15mm																																																																																											
32M.10016	16mm																																																																																											
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32M.406	6mm																																																																																											
32M.408	8mm																																																																																											
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32M.414	14mm																																																																																											
32M.415	15mm																																																																																											
32M.416	16mm																																																																																											
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32M1410	10mm																																																																																											
32M1412	12mm																																																																																											
No. M2 COMPRESSION NUT  <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>32M.204</td><td>4mm</td></tr><tr><td>32M.205</td><td>5mm</td></tr><tr><td>32M.206</td><td>6mm</td></tr><tr><td>32M.208</td><td>8mm</td></tr><tr><td>32M.210</td><td>10mm</td></tr><tr><td>32M.212</td><td>12mm</td></tr><tr><td>32M.214</td><td>14mm</td></tr><tr><td>32M.215</td><td>15mm</td></tr><tr><td>32M.216</td><td>16mm</td></tr></table>	CODE	TUBE	32M.204	4mm	32M.205	5mm	32M.206	6mm	32M.208	8mm	32M.210	10mm	32M.212	12mm	32M.214	14mm	32M.215	15mm	32M.216	16mm	No. M5 MALE ELBOW  <table><tr><th>CODE</th><th>TUBE</th><th>BSP</th></tr><tr><td>32M.50402</td><td>4mm</td><td>1/8</td></tr><tr><td>32M.50404</td><td>4mm</td><td>1/4</td></tr><tr><td>32M.50602</td><td>6mm</td><td>1/8</td></tr><tr><td>32M.50604</td><td>6mm</td><td>1/4</td></tr><tr><td>32M.50802</td><td>8mm</td><td>1/8</td></tr><tr><td>32M.50804</td><td>8mm</td><td>1/4</td></tr><tr><td>32M.50806</td><td>8mm</td><td>3/8</td></tr><tr><td>32M.51004</td><td>10mm</td><td>1/4</td></tr><tr><td>32M.51006</td><td>10mm</td><td>3/8</td></tr><tr><td>32M.51008</td><td>10mm</td><td>1/2</td></tr><tr><td>32M.51204</td><td>12mm</td><td>1/4</td></tr><tr><td>32M.51206</td><td>12mm</td><td>3/8</td></tr><tr><td>32M.51208</td><td>12mm</td><td>1/2</td></tr></table>	CODE	TUBE	BSP	32M.50402	4mm	1/8	32M.50404	4mm	1/4	32M.50602	6mm	1/8	32M.50604	6mm	1/4	32M.50802	8mm	1/8	32M.50804	8mm	1/4	32M.50806	8mm	3/8	32M.51004	10mm	1/4	32M.51006	10mm	3/8	32M.51008	10mm	1/2	32M.51204	12mm	1/4	32M.51206	12mm	3/8	32M.51208	12mm	1/2	No. M99 SPIGOT  <table><tr><th>CODE</th><th>TUBE OD</th><th>TUBE ID</th></tr><tr><td>32M9904</td><td>4mm</td><td>2.7mm</td></tr><tr><td>32M9906</td><td>6mm</td><td>4mm</td></tr><tr><td>32M9908</td><td>8mm</td><td>5.2mm</td></tr><tr><td>32M9910</td><td>10mm</td><td>6.6mm</td></tr><tr><td>32M9912</td><td>12mm</td><td>8mm</td></tr><tr><td>32M9916</td><td>16mm</td><td>13mm</td></tr></table> Other types and sizes are available on request.	CODE	TUBE OD	TUBE ID	32M9904	4mm	2.7mm	32M9906	6mm	4mm	32M9908	8mm	5.2mm	32M9910	10mm	6.6mm	32M9912	12mm	8mm	32M9916	16mm	13mm							
CODE	TUBE																																																																																											
32M.204	4mm																																																																																											
32M.205	5mm																																																																																											
32M.206	6mm																																																																																											
32M.208	8mm																																																																																											
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CODE	TUBE	BSP																																																																																										
32M.50402	4mm	1/8																																																																																										
32M.50404	4mm	1/4																																																																																										
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32M.50604	6mm	1/4																																																																																										
32M.50802	8mm	1/8																																																																																										
32M.50804	8mm	1/4																																																																																										
32M.50806	8mm	3/8																																																																																										
32M.51004	10mm	1/4																																																																																										
32M.51006	10mm	3/8																																																																																										
32M.51008	10mm	1/2																																																																																										
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32M9904	4mm	2.7mm																																																																																										
32M9906	6mm	4mm																																																																																										
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32M9912	12mm	8mm																																																																																										
32M9916	16mm	13mm																																																																																										
No. M3 MALE CONNECTOR  <table><tr><th>CODE</th><th>TUBE</th><th>BSP</th></tr><tr><td>32M.30402</td><td>4mm</td><td>1/8</td></tr><tr><td>32M.30502</td><td>5mm</td><td>1/8</td></tr><tr><td>32M.30602</td><td>6mm</td><td>1/8</td></tr><tr><td>32M.30604</td><td>6mm</td><td>1/4</td></tr><tr><td>32M.30606</td><td>6mm</td><td>3/8</td></tr><tr><td>32M.30802</td><td>8mm</td><td>1/8</td></tr><tr><td>32M.30804</td><td>8mm</td><td>1/4</td></tr><tr><td>32M.30806</td><td>8mm</td><td>3/8</td></tr><tr><td>32M.31002</td><td>10mm</td><td>1/8</td></tr><tr><td>32M.31004</td><td>10mm</td><td>1/4</td></tr><tr><td>32M.31006</td><td>10mm</td><td>3/8</td></tr><tr><td>32M.31008</td><td>10mm</td><td>1/2</td></tr><tr><td>32M.31204</td><td>12mm</td><td>1/4</td></tr><tr><td>32M.31206</td><td>12mm</td><td>3/8</td></tr><tr><td>32M.31208</td><td>12mm</td><td>1/2</td></tr><tr><td>32M.31408</td><td>14mm</td><td>1/2</td></tr><tr><td>32M.31508</td><td>15mm</td><td>1/2</td></tr><tr><td>32M.31608</td><td>16mm</td><td>1/2</td></tr></table>	CODE	TUBE	BSP	32M.30402	4mm	1/8	32M.30502	5mm	1/8	32M.30602	6mm	1/8	32M.30604	6mm	1/4	32M.30606	6mm	3/8	32M.30802	8mm	1/8	32M.30804	8mm	1/4	32M.30806	8mm	3/8	32M.31002	10mm	1/8	32M.31004	10mm	1/4	32M.31006	10mm	3/8	32M.31008	10mm	1/2	32M.31204	12mm	1/4	32M.31206	12mm	3/8	32M.31208	12mm	1/2	32M.31408	14mm	1/2	32M.31508	15mm	1/2	32M.31608	16mm	1/2	No. M10 FEMALE CONNECTOR  <table><tr><th>CODE</th><th>TUBE</th><th>BSP</th></tr><tr><td>32M100402</td><td>4mm</td><td>1/8</td></tr><tr><td>32M100602</td><td>6mm</td><td>1/8</td></tr><tr><td>32M100604</td><td>6mm</td><td>1/4</td></tr><tr><td>32M100804</td><td>8mm</td><td>1/4</td></tr><tr><td>32M101006</td><td>10mm</td><td>3/8</td></tr><tr><td>32M101208</td><td>12mm</td><td>1/2</td></tr></table>	CODE	TUBE	BSP	32M100402	4mm	1/8	32M100602	6mm	1/8	32M100604	6mm	1/4	32M100804	8mm	1/4	32M101006	10mm	3/8	32M101208	12mm	1/2	No. M11 TUBE ELBOW  <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>32M1104</td><td>4mm</td></tr><tr><td>32M1106</td><td>6mm</td></tr><tr><td>32M1108</td><td>8mm</td></tr><tr><td>32M1110</td><td>10mm</td></tr><tr><td>32M1112</td><td>12mm</td></tr></table>	CODE	TUBE	32M1104	4mm	32M1106	6mm	32M1108	8mm	32M1110	10mm	32M1112	12mm
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32M.30606	6mm	3/8																																																																																										
32M.30802	8mm	1/8																																																																																										
32M.30804	8mm	1/4																																																																																										
32M.30806	8mm	3/8																																																																																										
32M.31002	10mm	1/8																																																																																										
32M.31004	10mm	1/4																																																																																										
32M.31006	10mm	3/8																																																																																										
32M.31008	10mm	1/2																																																																																										
32M.31204	12mm	1/4																																																																																										
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32M.31408	14mm	1/2																																																																																										
32M.31508	15mm	1/2																																																																																										
32M.31608	16mm	1/2																																																																																										
CODE	TUBE	BSP																																																																																										
32M100402	4mm	1/8																																																																																										
32M100602	6mm	1/8																																																																																										
32M100604	6mm	1/4																																																																																										
32M100804	8mm	1/4																																																																																										
32M101006	10mm	3/8																																																																																										
32M101208	12mm	1/2																																																																																										
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32M1110	10mm																																																																																											
32M1112	12mm																																																																																											

No.24 NPT REDUCING BUSH



CODE	MALE NPT	FEM NPT
02N24-0402	1/4 x	1/8
02N24-0602	3/8 x	1/8
02N24-0604	3/8 x	1/4
02N24-0802	1/2 x	1/8
02N24-0804	1/2 x	1/4
02N24-0806	1/2 x	3/8
02N24-1204	3/4 x	1/4
02N24-1206	3/4 x	3/8
02N24-1208	3/4 x	1/2

No.25 NPT M & F ELBOW



CODE	MALE NPT	FEM NPT
02N25-02	1/8 x	1/8
02N25-04	1/4 x	1/4
02N25M02F04	1/8 x	1/4
02N25-06	3/8 x	3/8
02N25-08	1/2 x	1/2

No.25EL NPT M & F ELBOW



CODE	MALE NPT	FEM NPT
02N25EL-02	1/8 x	1/8
02N25EL-04	1/4 x	1/4
02N25EL-06	3/8 x	3/8
02N25EL-08	1/2 x	1/2
02N25EL-12	3/4 x	3/4

No.25 x 45deg M & F ELBOW



CODE	NPT
02N2545-02	1/8
02N2545-04	1/4
02N2545-06	3/8
02N2545-08	1/2

No.26 NPT SOCKET



CODE	NPT
02N26-02	1/8
02N26-04	1/4
02N26-06	3/8
02N26-08	1/2

No.27 NPT HEX NIPPLE



CODE	NPT
02N27-02	1/8
02N27-04	1/4
02N27-06	3/8
02N27-08	1/2
02N27-12	3/4
02N27-16	1

No.34 NPT F & F ELBOW



CODE	NPT
02N34-02	1/8
02N34-04	1/4
02N34-06	3/8
02N34-08	1/2

No.35 NPT FEMALE TEE



CODE	NPT
02N35-02	1/8
02N35-04	1/4
02N35-06	3/8
02N35-08	1/2

No.35MBT NPT MALE BRANCH TEE



CODE	NPT
02N35MBT-02	1/8
02N35MBT-04	1/4
02N35MBT-06	3/8
02N35MBT-08	1/2

No.35MRT NPT MALE RUN TEE



CODE	NPT
02N35MRT-02	1/8
02N35MRT-04	1/4
02N35MRT-06	3/8
02N35MRT-08	1/2

No.48 NPT M & M ELBOW



CODE	MALE NPT
02N48-02	1/8
02N48-04	1/4

No.64 NPT PLUG



CODE	NPT
02N64-02	1/8
02N64-04	1/4
02N64-06	3/8
02N64-08	1/2

No.64SH NPT SOCKET HEAD PLUG



CODE	NPT
02N64SH-02	1/8
02N64SH-04	1/4
02N64SH-06	3/8
02N64SH-08	1/2
02N64SH-12	3/4

No.72 NPT M&F ADAPTOR



CODE	FEM NPT	MALE NPT
02N72-0202	1/8 x	1/8
02N72-0402	1/4 x	1/8
02N72-0404	1/4 x	1/4
02N72-0604	3/8 x	1/4
02N72-0606	3/8 x	3/8
02N72-0806	1/2 x	3/8

No.73 NPT REDUCING NIPPLE



CODE	NPT	NPT
02N73-0402	1/4 x	1/8
02N73-0602	3/8 x	1/8
02N73-0604	3/8 x	1/4
02N73-0804	1/2 x	1/4
02N73-0806	1/2 x	3/8

Other types and sizes available on request

**No. NBH NPT
BULKHEAD
UNION**

CODE	FEMALE NPT
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02NBH-02	1/8
02NBH-04	1/4
02NBH-06	3/8
02NBH-08	1/2

**No.P13 HOSE BRAB x
MALE NPT RUN TEE**

CODE	HOSE		NPT
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02NP130806	1/2	x	3/8
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**No.P3 NPT MALE
HOSETAIL**

CODE	HOSE		NPT
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02NP.30302	3/16	x	1/8
02NP.30402	1/4	x	1/8
02NP.30404	1/4	x	1/4
02NP.30502	5/16	x	1/8
02NP.30504	5/16	x	1/4
02NP.30602	3/8	x	1/8
02NP.30604	3/8	x	1/4
02NP.30606	3/8	x	3/8
02NP.30608	3/8	x	1/2
02NP.30804	1/2	x	1/4
02NP.30806	1/2	x	3/8
02NP.30808	1/2	x	1/2
02NP.31006	5/8	x	3/8
02NP.31008	5/8	x	1/2
02NP.31208	3/4	x	1/2

**No.P6 NPT
MALE HOSE
ELBOW**

CODE	HOSE		NPT
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02NP.60402	1/4	x	1/8
02NP.60502	5/16	x	1/8
02NP.60504	5/16	x	1/4
02NP.60602	3/8	x	1/8
02NP.60604	3/8	x	1/4
02NP.60606	3/8	x	3/8
02NP.60804	1/2	x	1/4
02NP.60806	1/2	x	3/8
02NP.61006	5/8	x	3/8
02NP.61212	3/4	x	3/4

**No.P6 45° MALE
NPT ELBOW**

CODE	HOSE		NPT
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02NP.645-0806	1/2	x	3/8
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**OTHER TYPES AND SIZES
AVAILABLE ON REQUEST**

CATEGORY 1

COMPRESSION FITTINGS

CODE	DESCRIPTION
0103-0406M	No.3 1/4 x 6mm male connector
0103-0404U	No.3 1/4 x 1/4 UNF male connector
0105-0404U	No.5 1/4 x 1/4 UNF male elbow
0105-0406M	No.5 1/4 x 6mm Male Elbow

PIPE FITTINGSHexagon Nipples

0127-R02N02	1/8 BSPT x 1/8 NPT
0127-R04N04	1/4 BSPT x 1/4 NPT
0127-R06N06	3/8 BSPT x 3/8 NPT
0127-R08N08	1/2 BSPT x 1/2 NPT

Adaptors

0172-0204U	1/8BSP fem x 1/4UNF male
0172-0404U	1/4BSP fem x 1/4UNF male
0172-F02RM02N	1/8 BSP Fem x 1/8 NPT Male
0172-F04RM04N	1/4 BSP Fem x 1/4 NPT Male
0172-F06RM06N	3/8 BSP Fem x 3/8 NPT Male
0172-F08RM08N	1/2 BSP Fem x 1/2NPT Male
0172-F02NM02R	1/8 NPT Fem x 1/8 BSPT Male
0172-F04NM04R	1/4 NPT Fem x 1/4 BSPT Male
0172-F06NM06R	3/8 NPT Fem x 3/8 BSPT Male
0172-F08NM08R	1/2 NPT Fem x 1/2 BSPT Male

CATEGORY 32

METRIC ADAPTORS

All metric threads are 1.5mm pitch unless stated Otherwise.

Bushes

CODE	DESCRIPTION
32-24M1402R	14mm male x 1/8 BSP fem
32-24M1402N	14mm male x 1/8 NPT fem
32-24M1602R	16mm male x 1/8 BSP fem
32-24M1602N	16mm male x 1/8 NPT fem
32-24M1604R	16mm male x 1/4 BSP fem
32-24M1804R	18mm male x 1/4 BSP fem
32-24M2004R	20mm male x 1/4 BSP fem
32-24M2204R	22mm male x 1/4BSP fem
32-24M2204N	22mm male x 1/4NPT fem
32-24M2206R	22mm male x 3/8BSP fem
32-24M2206N	22mm male x 3/8NPT fem
32-24M22M16	22mm male x 16mm fem
32-24M2406R	24mm male x 3/8 BSP fem

Sockets

CODE	DESCRIPTION
32-26M12	12mm socket
32-26M14	14mm socket
32-26M16	16mm socket
32-26M18	18mm socket
32-26M20	20mm socket
32-26M22	22mm socket

Reducing sockets

32-29M1204R	12mm fem x 1/4 BSP fem
32-29M1404R	14mm fem x 1/4 BSP fem
32-29M1604R	16mm fem x 1/4 BSP fem
32-29M1806R	18mm fem x 3/8 BSP fem
32-29M2006R	20mm fem x 3/8 BSP fem
32-29M2206R	22mm fem x 3/8 BSP fem

Plugs

CODE	DESCRIPTION
32-64M12	12mm -1.25
32-64M1215	12mm-1.5
32-64M14	14mm
32-64M16	16mm
32-64M18	18mm
32-64M20	20mm
32-64M22	22mm
32-64M24	24mm

Adaptors

CODE	DESCRIPTION
32-7202M058	1/8 BSP fem x 5mm-.08 male
32-7202M0610	1/8 BSP fem x 6mm-1mm
32-7202M0810	1/8 BSP fem x 8mm-1mm
32-7202M08125	1/8 BSP fem x 8mm-1.25mm
32-7202M1010	1/8 BSP fem x 10mm-1.00mm
32-7204M0610	1/4 BSP fem x 6mm-1.00mm
32-7204M0810	1/4 BSP fem x 8mm-1.00mm
32-7204M08125	1/4 BSP fem x 8mm-1.25mm
32-7204M1010	1/4 BSP fem x 10mm-1.00mm
32-7204M10125	1/4 BSP fem x 10mm-1.25mm
32-7204M1215	1/4 BSP fem x 12mm
32-72N04M1215	1/4 NPT fem x 12mm
32-7206M1615	3/8 BSP fem x M16
32-72N06M1615	3/8 NPT fem x M16
32-7208M1215	1/2 BSP fem x M12-1.5
32-7208M2215	1/2 BSP fem x M22
32-72M121502	M12 fem x 1/8 BSP
32-72M121504	M12 fem x 1/4 BSP
32-72M141504	M14 fem x 1/4 BSP
32-72M161506	M16 fem x 3/8 BSP
32-72M201506	M20 fem x 3/8 BSP
32-72M221506	M22 fem x 3/8 BSP

No.24P REDUCING BUSH

CODE	BSP		BSP
03P24-0802	1/2	x	1/8
03P24-0804	1/2	x	1/4
03P24-0806	1/2	x	3/8
03P24-1202	3/4	x	1/8
03P24-1204	3/4	x	1/4
03P24-1206	3/4	x	3/8
03P24-1208	3/4	x	1/2
03P24-1604	1	x	1/4
03P24-1606	1	x	3/8
03P24-1608	1	x	1/2
03P24-1612	1	x	3/4
03P24-2008	1 1/4	x	1/2
03P24-2012	1 1/4	x	3/4
03P24-2016	1 1/4	x	1
03P24-2408	1 1/2	x	1/2
03P24-2412	1 1/2	x	3/4
03P24-2416	1 1/2	x	1
03P24-2420	1 1/2	x	1 1/4
03P24-3208	2	x	1/2
03P24-3212	2	x	3/4
03P24-3216	2	x	1
03P24-3220	2	x	1 1/4
03P24-3224	2	x	1 1/2
03P24-4032	2 1/2	x	2
03P24-4832	3	x	2
03P24-4840	3	x	2 1/2
03P24-6432	4	x	2
03P24-6440	4	x	2 1/2
03P24-6448	4	x	3

No.27P HEX NIPPLE

CODE	BSP
03P27-08	1/2
03P27-12	3/4
03P27-16	1
03P27-20	1 1/4
03P27-24	1 1/2
03P27-32	2
03P27-40	2 1/2
03P27-48	3

No.29P REDUCING SOCKET

CODE	BSP		BSP
03P29-1208	3/4	x	1/2
03P29-1612	1	x	3/4

No.33P CAP

CODE	BSP
03P33-12	3/4
03P33-16	1
03P33-20	1 1/4
03P33-24	1 1/2
03P33-32	2

No.34P FEMALE ELBOW

CODE	BSP
03P34-02	1/8
03P34-04	1/4
03P34-06	3/8
03P34-08	1/2
03P34-12	3/4
03P34-16	1
03P34-20	1 1/4
03P34-24	1 1/2
03P34-32	2

No.35P FEMALE TEE

CODE	BSP
03P35-02	1/8
03P35-04	1/4
03P35-06	3/8
03P35-08	1/2
03P35-12	3/4
03P35-16	1
03P35-20	1 1/4
03P35-24	1 1/2
03P35-32	2

No.64P PLUG

CODE
03P64-08
03P64-12
03P64-16
03P64-20
03P64-24
03P64-32

No.25P M & F ELBOW

CODE	BSP
03P25-02	1/8
03P25-04	1/4
03P25-06	3/8
03P25-08	1/2
03P25-12	3/4
03P25-16	1
03P25-20	1 1/4
03P25-24	1 1/2
03P25-32	2

No.72P M & F ADAPTOR

CODE	BSP		BSP
03P72-0808	1/2	x	1/2
03P72-1208	3/4	x	1/2
03P72-1212	3/4	x	3/4
03P72-1608	1	x	1/2
03P72-1612	1	x	3/4
03P72-1616	1	x	1
03P72-2012	1 1/4	x	3/4
03P72-2016	1 1/4	x	1
03P72-2020	1 1/4	x	1 1/4
03P72-2416	1 1/2	x	1
03P72-2420	1 1/2	x	1 1/4
03P72-2424	1 1/2	x	1 1/2
03P72-3216	2	x	1
03P72-3224	2	x	1 1/2

No.26P HEX SOCKET

CODE	BSP
03P26-08	1/2
03P26-12	3/4
03P26-16	1
03P26-20	1 1/4
03P26-24	1 1/2
03P26-32	2

No.73P REDUCING HEX NIPPLE



CODE	BSP		BSP
03P73-0802	1/2	x	1/8
03P73-0804	1/2	x	1/4
03P73-0806	1/2	x	3/8
03P73-1206	3/4	x	3/8
03P73-1208	3/4	x	1/2
03P73-1608	1	x	1/2
03P73-1612	1	x	3/4
03P73-2012	1 1/4	x	3/4
03P73-2016	1 1/4	x	1
03P73-2416	1 1/2	x	1
03P73-2420	1 1/2	x	1 1/4
03P73-3220	2	x	1 1/4
03P73-3224	2	x	1 1/2

No.74P BSP LOCK NUT



CODE	BSP
03P74-12	3/4
03P74-16	1
03P74-20	1 1/4
03P74-24	1 1/2
03P74-32	2

No.85P F & F BARREL UNION



CODE	BSP
03P85-02	1/8
03P85-04	1/4
03P85-06	3/8
03P85-08	1/2
03P85-12	3/4
03P85-16	1
03P85-20	1 1/4
03P85-24	1 1/2
03P85-32	2

No.87P M & F BARREL UNION



CODE	BSP
03P87-02	1/8
03P87-04	1/4
03P87-06	3/8
03P87-08	1/2
03P87-12	3/4
03P87-16	1
03P87-20	1 1/4
03P87-24	1 1/2
03P87-32	2

ALLTHREAD



CODE	BSP		LGTH
03AT-0406	1/4	x	6 inch
03AT-0412	1/4	x	12 inch
03AT-0606	3/8	x	6 inch
03AT-0612	3/8	x	12 inch
03AT-0806	1/2	x	6 inch
03AT-0812	1/2	x	12 inch
03AT-1206	3/4	x	6 inch
03AT-1212	3/4	x	12 inch
03AT-1606	1	x	6 inch
03AT-1612	1	x	12 inch
03AT-2006	1 1/4	x	6 inch
03AT-2012	1 1/4	x	12 inch
03AT-2406	1 1/2	x	6 inch
03AT-2412	1 1/2	x	12 inch
03AT-3206	2	x	6 inch
03AT-3212	2	x	12 inch

No.2T STRAIGHT FEMALE CONNECTOR



CODE	TUBE		BSP
03T2-0808	1/2	x	1/2
03T2-1208	3/4	x	1/2
03T2-1212	3/4	x	3/4
03T2-1616	1	x	1

No.3T MALE STRAIGHT CONNECTOR



CODE	TUBE		BSP
03T3-0806	1/2	x	3/8
03T3-0808	1/2	x	1/2
03T3-1208	3/4	x	1/2
03T3-1208	3/4	x	3/4
03T3-1612	1	x	3/4
03T3-1616	1	x	1

STAINLESS BRAIDED HOSES

For Use on Water or Air
WATERMARKED



Rubber Cone Seal

CODE	SIZE	LGTH
03SBH650	3/8 BSPPL	500mm
03SBH680	3/8 BSPPL	800mm
03SBH610	3/8 BSPPL	1000mm
03SBH615	3/8 BSPPL	1500mm
03SBH822	1/2 BSPPL	225mm
03SBH830	1/2 BSPPL	300mm
03SBH845	1/2 BSPPL	450mm
03SBH850	1/2 BSPPL	500mm
03SBH860	1/2 BSPPL	600mm
03SBH880	1/2 BSPPL	800mm
03SBH810	1/2 BSPPL	1000mm
03SBH815	1/2 BSPPL	1500mm

No.P3 MALE HOSETAIL



CODE	HOSE	BSP
07P.30202	1/8 x 1/8	
07P.30302	3/16 x 1/8	
07P.30304	3/16 x 1/4	
07P.30402	1/4 x 1/8	
07P.30404	1/4 x 1/4	
07P.30406	1/4 x 3/8	
07P.30408	1/4 x 1/2	
07P.30502	5/16 x 1/8	
07P.30504	5/16 x 1/4	
07P.30506	5/16 x 3/8	
07P.30508	5/16 x 1/2	
07P.30602	3/8 x 1/8	
07P.30604	3/8 x 1/4	
07P.30606	3/8 x 3/8	
07P.30608	3/8 x 1/2	
07P.30612	3/8 x 3/4	
07P.30802	1/2 x 1/8	
07P.30804	1/2 x 1/4	
07P.30806	1/2 x 3/8	
07P.30808	1/2 x 1/2	
07P.30812	1/2 x 3/4	
07P.31004	5/8 x 1/4	
07P.31006	5/8 x 3/8	
07P.31008	5/8 x 1/2	
07P.31012	5/8 x 3/4	
07P.31206	3/4 x 3/8	
07P.31208	3/4 x 1/2	
07P.31212	3/4 x 3/4	
07P.31216	3/4 x 1	
07P.31608	1 x 1/2	
07P.31612	1 x 3/4	
07P.31616	1 x 1	

FOR LARGER SIZES SEE CATEGORY 6
ON PAGE 19

No.SP3 SWIVEL HOSETAIL



CODE	HOSE	BSP
07P.S30404	1/4 x 1/4	
07P.S30604	3/8 x 1/4	
07P.S30606	3/8 x 3/8	
07P.S30808	1/2 x 1/2	
07P.S30812	1/2 x 3/4	
07P.S31212	3/4 x 3/4	
07P.S31616	1 x 1	

No.P5 NUT & TAIL



CODE	HOSE	BSP
07P.50302	3/16 x 1/8	
07P.50304	3/16 x 1/4	
07P.50404	1/4 x 1/4	
07P.50406	1/4 x 3/8	
07P.50408	1/4 x 1/2	
07P.50504	5/16 x 1/4	
07P.50506	5/16 x 3/8	
07P.50508	5/16 x 1/2	
07P.50604	3/8 x 1/4	
07P.50606	3/8 x 3/8	
07P.50608	3/8 x 1/2	
07P.50806	1/2 x 3/8	
07P.50808	1/2 x 1/2	
07P.51212	3/4 x 3/4	
07P.51616	1 x 1	

No.P6 MALE HOSE ELBOW



CODE	HOSE	BSP
07P.60302	3/16 x 1/8	
07P.60402	1/4 x 1/8	
07P.60404	1/4 x 1/4	
07P.60406	1/4 x 3/8	
07P.60502	5/16 x 1/8	
07P.60504	5/16 x 1/4	
07P.60506	5/16 x 3/8	
07P.60602	3/8 x 1/8	
07P.60604	3/8 x 1/4	
07P.60606	3/8 x 3/8	
07P.60608	3/8 x 1/2	
07P.60804	1/2 x 1/4	
07P.60806	1/2 x 3/8	
07P.60808	1/2 x 1/2	
07P.61004	5/8 x 1/4	
07P.61006	5/8 x 3/8	
07P.61008	5/8 x 1/2	
07P.61208	3/4 x 1/2	
07P.61212	3/4 x 3/4	
07P.61616	1 x 1	

No.P7 HOSE JOINER



CODE	HOSE
07P.703	3/16
07P.704	1/4
07P.705	5/16
07P.706	3/8
07P.708	1/2
07P.710	5/8
07P.712	3/4
07P.716	1

REDUCING JOINER

07P.7R0504	5/16 x 1/4
07P.7R0604	3/8 x 1/4
07P.7R0605	3/8 x 5/16
07P.7R0806	1/2 x 3/8
07P.7R1008	5/8 x 1/2
07P.7R1208	3/4 x 1/2
07P.7R1210	3/4 x 5/8
07P.7R1612	1 x 3/4

No.P10 FEMALE HOSETAIL



CODE	HOSE	BSP
07P100302	3/16 x 1/8	
07P100304	3/16 x 1/4	
07P100402	1/4 x 1/8	
07P100404	1/4 x 1/4	
07P100406	1/4 x 3/8	
07P100408	1/4 x 1/2	
07P100502	5/16 x 1/8	
07P100504	5/16 x 1/4	
07P100506	5/16 x 3/8	
07P100508	5/16 x 1/2	
07P100602	3/8 x 1/8	
07P100604	3/8 x 1/4	
07P100606	3/8 x 3/8	
07P100608	3/8 x 1/2	
07P100804	1/2 x 1/4	
07P100806	1/2 x 3/8	
07P100808	1/2 x 1/2	
07P101006	5/8 x 3/8	
07P101008	5/8 x 1/2	
07P101208	3/4 x 1/2	
07P101212	3/4 x 3/4	

No.P11 HOSE ELBOW



CODE	HOSE
07P1103	3/16
07P1104	1/4
07P1105	5/16
07P1106	3/8
07P1108	1/2
07P1110	5/8
07P1112	3/4
07P1116	1

No.P12 TWO WAY TEE



CODE	HOSE	BSP
07P120302	3/16 x 1/8	
07P120402	1/4 x 1/8	
07P120404	1/4 x 1/4	
07P120502	5/16 x 1/8	
07P120504	5/16 x 1/4	
07P120602	3/8 x 1/8	
07P120604	3/8 x 1/4	
07P120606	3/8 x 3/8	
07P120806	1/2 x 3/8	
07P120808	1/2 x 1/2	
07P121006	5/8 x 3/8	
07P121008	5/8 x 1/2	
07P121208	3/4 x 1/2	
07P121212	3/4 x 3/4	

No.P14 HOSE TEE



CODE	HOSE
07P1403	3/16
07P1404	1/4
07P1405	5/16
07P1406	3/8
07P1408	1/2
07P1410	5/8
07P1412	3/4
07P1416	1

No.P75 Y-PIECE



CODE	HOSE
07P7503	3/16
07P7504	1/4
07P7505	5/16
07P7506	3/8
07P7508	1/2

R2200 SERIES COUPLERS

ONE TOUCH

45CFM @ 90PSI

INTERCHANGE WITH RYCO 200, RYCO 290 AND JAMEC 900 SERIES COUPLERS - BRASS

CODE	SIZE
06.R2200 Brass	1/4 BSP Fem
06.R2243 Brass	3/8 BSP Fem
06.R2200S Steel	1/4 BSP Fem

CODE	SIZE
06.R2201 Brass	1/4 BSP
06.R2244 Brass	3/8 BSP
06.R2201S Steel	1/4 BSP

CODE	SIZE
06.R2245 Brass	1/4 Barb
06.R2240 Brass	5/16 Barb
06.R2241 Brass	3/8 Barb
06.R2242 Brass	1/2 Barb
06.R2241S Steel	3/8 Barb

CODE	SIZE
06.R2202	1/4 BSP Brass
06.R2202S	1/4 BSP steel
06.R2251S	3/8BSP steel
06.R2252	1/2 BSP Brass

CODE	SIZE	PRICE EA
06.R2203	1/4 BSP Fem Brass	
06.R2203S	1/4 BSP Fem-steel	
06.R2266	3/8 BSP Fem—Brass	
06.R2266S	3/8 BSP Fem - steel	
06.R2270	1/2 BSP Fem Brass	

CODE	SIZE
06R2205	1/4 Barb Brass
06R2206	5/16 Barb Brass
06R2206A	3/8 Barb Brass
06.R2206AS	3/8 Barb-steel

RYCO 200 SERIES COUPLINGS

WILL PASS APPROX 45CFM @ 90PSI

CODE	PART No.	SIZE
06.R200	R200	1/4 Fem
06.R200S	R200S	1/4 Fem
06.R201	R201	1/4 Male
06.R201S	R201S	1/4 Male
06.R243	R243	3/8 Fem
06.R244	R244	3/8 Male
06.R244S	R244S	3/8 Male
06.R245	R245	1/4 Barb
06.R245S	R245S	1/4 Barb
06.R240	R240	5/16 Barb
06.R241	R241	3/8 Barb
06.R241S	R241S	3/8 Barb

RYCO 290 SERIES COUPLINGS

WILL PASS APPROX 90CFM @ 90PSI

CODE	PART No.	SIZE
06.R290	R290	1/4 Fem
06.R291	R291	1/4 Male
06.R292	R292	3/8 Fem
06.R293	R293	3/8 Male
06.R295	R295	1/2 Male
06.R296	R296	1/4 Barb
06.R297A	R297A	5/16 Barb
06.R298	R298	3/8 Barb
06.R299	R299	1/2 Barb

RYCO 200 SERIES ADAPTORS

SUIT 200 AND 290 SERIES

CODE	PART No.	SIZE
06.R202	R202	1/4 Male
06.R202S	R202S	1/4 Male
06.R203	R203	1/4 Fem
06.R203S	R203S	1/4 Fem
06.R205	R205	1/4 Barb
06.R205S	R205S	1/4 Barb
06.R206	R206	5/16 Barb
06.R206S	R206S	5/16 Barb
06.R206A	R206A	3/8 Barb
06.R206AS	R206AS	3/8 Barb
06.R251S	R251S	3/8 Male
06.R252S	R252S	1/2 Male
06.R254S	R254S	1/2 Barb
06.R266S	R266S	3/8 Fem
06.R270S	R270S	1/2 Fem

R5500 SERIES EURO COUPLER

ONE TOUCH—HIGH VOLUME

95CFM @ 90PSI

INTERCHANGE WITH CEJN, RYCO 500 AND JAMEC 590 SERIES COUPLERS

CODE	SIZE
06R5500	1/4 BSP Fem
06R5543	3/8 BSP Fem
06R5546	1/2 BSP Fem

CODE	SIZE
06R5501	1/4 BSP Male
06R5544	3/8 BSP Male
06R5547	1/2 BSP Male

CODE	SIZE
06R5545	1/4 Barb
06R5540	5/16 Barb
06R5541	3/8 Barb
06R5542	1/2 Barb

SAFETY COUPLER

CODE	SIZE
06.RSC5500	1/4BSP FEM

This coupler requires two actions to release adaptor, first action discharges pressure in the line and second action releases the adaptor.

CODE	SIZE
06R5502	1/4 BSP Male
06R5551	3/8 BSP Male
06R5552	1/2 BSP Male

CODE	SIZE
06R5503	1/4 BSP Fem
06R5556	3/8 BSP Fem
06R5570	1/2 BSP Fem

CODE	SIZE
06R5505	1/4 Barb
06R5506	5/16 Barb
06R5506A	3/8 Barb
06R5554	1/2 Barb

TWIST CONNECTORS

To suit R2200 series couplers

Interchange with Ryco 200 series

CODE	THREAD
06.R2202TP	1/4 BSP

UNIVERSAL

CODE	THREAD
06.MTP04	1/4 BSP



NITTO Interchange Couplers

Standard Coupler—Hi Volume
N.P. Steel

Approx 45cfm @ 90psi

Also interchange with Ryco 400 and
Jamec 250 series

Coupler to Male Thread



CODE	SIZE
06NS20SM	1/4BSP
06NS30SM	3/8 BSP
06NS40SM	1/2 BSP

Coupler to Female Thread



CODE	SIZE
06NS20SF	1/4BSP
06NS30SF	3/8 BSP
06NS40SF	1/2 BSP

Couplers to Hose Tail



CODE	SIZE
06NS20SH	1/4 hose
06NS25SH	5/16 hose
06NS30SH	3/8 hose
06NS40SH	1/2 hose

ONE TOUCH COUPLERS

N.P. STEEL HIGH VOLUME
95CFM @ 90PSI

Interchange With
Nitro Hi - Cupla,
Ryco 400 series
Jamec 250 and HV series.

Coupler to Male Thread



CODE	SIZE
06NC20SM	1/4 BSP
06NC30SM	3/8 BSP
06NC40SM	1/2 BSP

Coupler to Hose Tail



CODE	SIZE
06NC20SH	1/4 Hose
06NC25SH	5/16 Hose
06NC30SH	3/8 Hose

Coupler to Female Thread



CODE	SIZE
06NC20SF	1/4 BSP
06NC30SF	3/8 BSP
06NC40SF	1/2 BSP

ADAPTORS TO SUIT NITTO INTERCHANGE COUPLERS SUIT BOTH STANDARD AND ONE TOUCH COUPLERS N.P. STEEL

Adaptor to Male Thread



CODE	SIZE
06NC20PM	1/4 BSP
06NC30PM	3/8 BSP
06NC40PM	1/2BSP

Adaptor to Female Thread



CODE	SIZE
06NC20PF	1/4 BSP
06NC30PF	3/8 BSP
06NC40PF	1/2 BSP

Adaptor to Hosebarb



CODE	SIZE
06NC20PH	1/4 Hose
06NC25PH	5/16 Hose
06NC30PH	3/8 Hose
06NC40PH	1/2 Hose

TWIST CONNECTORS

To suit R2200 series couplers
Interchange with Ryco 200 series



CODE	THREAD
06.R2202TP	1/4 BSP
UNIVERSAL	



CODE	THREAD
06.MTP04	1/4 BSP

STAINLESS STEEL COUPLERS

304SS - HIGH VOLUME
INTERCHANGE WITH NITTO

Coupler to Male Thread—304SS



CODE	SIZE
06NS.20SMSS	1/4BSP
06NS.30SMSS	3/8 BSP
06NS.40SMSS	1/2 BSP

Coupler to Female Thread—304SS



CODE	SIZE
06NS.20SFSS	1/4BSP
06NS.30SFSS	3/8 BSP
06NS.40SFSS	1/2 BSP

Couplers to Hose Tail—304SS



CODE	SIZE
06NS.20SHSS	1/4 Hose
06NS.25SHSS	5/16 hose
06NS.30SHSS	3/8 hose
06NS.40SHSS	1/2 hose

Adaptor to Male Thread—304SS



CODE	SIZE
06NS.20PMSS	1/4 BSP
06NS.30PMSS	3/8 BSP
06NS.40PMSS	1/2BSP

Adaptor to Female Thread—304SS



CODE	SIZE
06NS.20PFSS	1/4 BSP
06NS.30PFSS	3/8 BSP
06NS.40PFSS	1/2 BSP

Adaptor to Hosebarb—304SS



CODE	SIZE
06NS.20PHSS	1/4 Hose
06NS.25PHSS	5/16 Hose
06NS.30PHSS	3/8 Hose
06NS.40PHSS	1/2 Hose

HI - CUPLA

20-30-40 Series interchange.
400-600-800 Series interchange.



PART	SIZE	STEEL	BRASS	S/STEEL
20SH	1/4			
30SH	3/8			
40SH	1/2			
400SH	1/2			
600SH	3/4			
800SH	1			



PART	SIZE	STEEL	BRASS	S/STEEL
20SM	1/4			
30SM	3/8			
40SM	1/2			
400SM	1/2			
600SM	3/4			
800SM	1			



PART	SIZE	STEEL	BRASS	S/STEEL
20SF	1/4			
30SF	3/8			
40SF	1/2			
400SF	1/2			
600SF	3/4			
800SF	1			



PART	SIZE	STEEL	BRASS	S/STEEL
20PH	1/4			
30PH	3/8			
40PH	1/2			
400PH	1/2			
600PH	3/4			
800PH	1			



PART	SIZE	STEEL	BRASS	S/STEEL
20PM	1/4			
30PM	3/8			
40PM	1/2			
400PM	1/2			
600PM	3/4			
800PM	1			



PART	SIZE	STEEL	BRASS	S/STEEL
20PF	1/4			
30PF	3/8			
40PF	1/2			
400PF	1/2			
600PF	3/4			
800PF	1			

**SP COUPLER
2 WAY SHUT OFF**

PART No.	SIZE	BRASS	S/STEEL
1S	1/8		
2S	1/4		
3S	3/8		
4S	1/2		
6S	3/4		
8S	1		



PART No.	SIZE	BRASS	S/STEEL
1P	1/8		
2P	1/4		
3P	3/8		
4P	1/2		
6P	3/4		
8P	1		

**TSP COUPLER -BRASS
OPEN PATH**

PART No.	SIZE
2TSF	1/4
3TSF	3/8
4TSF	1/2
6TSF	3/4
8TSF	1



PART No.	SIZE
2TSH	1/4
3TSH	3/8
4TSH	1/2
6TSH	3/4
8TSH	1



PART No.	SIZE
2TSM	1/4
3TSM	3/8
4TSM	1/2
6TSM	3/4
8TSM	1

PART NUMBERS SHOWN ARE FOR
STEEL COUPLERS, SHOULD YOU
REQUIRE BRASS OR
STAINLESS STEEL, PLEASE ADD
SUFFIX "B" FOR BRASS OR "SS"



PART No.	SIZE
2TPH	1/4
3TPH	3/8
4TPH	1/2
6TPH	3/4
8TPH	1



PART No.	SIZE
2TPM	1/4
3TPM	3/8
4TPM	1/2
6TPM	3/4
8TPM	1



PART No.	SIZE
2TPF	1/4
3TPF	3/8
4TPF	1/2
6TPF	3/4
8TPF	1

**HI-CUPLA 200
ONE TOUCH CONNECTION**

PART No.	SIZE
200-20SH	1/4
200-30SH	3/8
200-40SH	1/2



PART No.	SIZE
200-20SM	1/4
200-30SM	3/8
200-40SM	1/2



PART No.	SIZE
200-20SF	1/4
200-30SF	3/8
200-40SF	1/2

CAST BRASS**HOSETAILS****No.P3 HOSETAIL**

CODE	HOSE		BSP
06P.31620	1	x	11/4
06P.32020	11/4	x	11/4
06P.32024	11/4	x	11/2
06P.32424	11/2	x	11/2
06P.32432	11/2	x	2
06P.33224	2	x	11/2
06P.33232	2	x	2
06P.34040	2 1/2	x	2 1/2
06P.34848	3	x	3
06P.36464	4	x	4

SELF STORE HOSE FITTINGS

CODE	HOSE ID		BSP
SS4M4S	1/4	x	1/4 Swivel
SS6M4S	3/8	x	1/4 Swivel
SS6M6S	3/8	x	3/8 Swivel
SS8M8S	1/2	x	1/2 Swivel
SS12M12	3/4	x	3/4 Non-Swivel

SELF STORE OLIVES

SS4	Nylon Olive to Suit SS4M4
SS6	Nylon Olive to Suit SS6M6
SS8	Nylon Olive to Suit SS8M8

BULKHEAD UNIONS

CODE	DESCRIPTION
06BH02	1/8BSP Fem x M16-1.5
06BH04	1/4BSP Fem x M20-1.5
06BH06	3/8BSP Fem x M26-1.5
06BH08	1/2BSP Fem x M28-1.5

POLYURETHANE TUBE FITTINGS

N.P. Brass
Swivel End



CODE	TUBE	BSP
06-PU0604S	6mm	1/4
06-PU0804S	8mm	1/4
06-PU1004S	10mm	1/4
06-PU1204S	12mm	1/4

CAV FUEL FILTER ADAPTORS

CODE	DESCRIPTION
06CAV02	1/4BSP x 1/2-20UNF
06CAV04	1/4 Barb x 1/2-20UNF
06CAV05	5/16 Barb x 1/2-20UNF
06CAV06	3/8 Barb x 1/2-20UNF
06CAV03	1/4BSP x 1/2-20 - 90°

SWIVEL FITTINGS**M & F SWIVEL**

3000PSI - 200deg F
Brass construction,
Stainless steel insert.
Repairable.

CODE	THREAD
06S7480	1/4 NPT
06S7080	3/8 NPT

**F & F SWIVEL**

Brass construction
Stainless steel insert.
3000PSI - 200deg F
Repairable

CODE	THREAD
06S7045	3/8 NPT

**90DEG M & F SWIVEL**

Brass
360deg swivel
3000PSI - 200deg F
Buna N O-rings
Repairable

CODE	THREAD
06S7440	3/8 NPT

**90deg HOSE REEL SWIVEL**

Brass
3000PSI - 300deg F
Viton O-Rings
Teflon washer
10 GPM Flow
Repairable

CODE	THREAD
06S7475	1/2 NPT FEM

**LOW PRESSURE M & F SWIVEL**

Brass
1200PSI
Non repairable

CODE	THREAD
06S5055	3/8 NPT
06S8088	1/2 NPT

**SWIVELS—BRASS****Max Work 1500PSI**

CODE	SIZE
06HS18	5/16 Hose x 1/4 MBSP
06HS17	3/8 Hose x 1/4 MBSP
06HS6A	3/8 Hose x 1/2 MBSP
06HS15	1/2 Hose x 1/4 MBSP
06HS1A	1/2 Hose x 1/2 MBSP
06HS9	1/2 Hose x 3/4 MBSP
06HS7A	3/4 Hose x 1/2 MBSP



06HS5A	1/4 Hose x 1/2 MBSP 90°
06HS14	3/8 Hose x 1/2 MBSP 90°
06HS12	1/2 Hose x 1/2 MBSP 90°
06HS7B	3/4 Hose x 1/2 MBSP 90°



06HS25M	1/4 MBSP x 1/4 MBSP
06HS21	3/8 MBSP x 3/8 MBSP
06HS24	1/2 MBSP x 1/2 MBSP
06HS30B	3/4 MBSP x 3/4 MBSP
06HS26	1 MBSP x 1 MBSP



06HS19	1/4 MBSP x 1/4 FBSP
06HS23	1/2 MBSP x 1/2 FBSP
06HS30A	3/4 MBSP x 3/4 FBSP
06HS27A	1 MBSP x 1 FBSP



06HS20	3/8 MBSP x 1/2 MBSP 90°
06HS24B	1/2 MBSP x 1/2 MBSP 90°

OTHER SIZES AVAILABLE ON REQUEST

TANK VALVE

CODE	THREAD
06.F3077	1/8 BSP

FIRE HOSE NOZZLES

CODE	SIZE
10FHN08	1/2 BSP
10FHN12	3/4 BSP

CATEGORY 6 - CONT

No.BF310 SERIES COUPLERS



CODE	SIZE
06BF310M4	1/4 Male
06BF310M6	3/8 Male
06BF310F4	1/4 Fem
06BF310F6	3/8 Fem
06BF310T5	5/16 Barb
06BF310T6	3/8 Barb

310 SERIES ADAPTORS



CODE	PART No.	SIZE
0631M2	31M2	1/8 Male
0631M4	31M4	1/4 Male
0631M4S	31M4S	1/4 Male
0631M6	31M6	3/8 Male
0631F2	31F2	1/8 Fem
0631F4	31F4	1/4 Fem
0631F4S	31F4S	1/4 Fem
0631F6	31F6	3/8 Fem
0631T4	31T4	1/4 Barb
0631T5	31T5	5/16 Barb
0631T6	31T6	3/8 Barb
0631T8	31T8	1/2 Barb

CATEGORY 18

OXY-ACETYLENE FITTINGS

No.LP112 (OXY) CONNECTOR

No.LP240 (ACET) CONNECTOR

CODE



CODE	HOSE	THREAD
18112	3/16	5/8-18NF
18240	3/16	5/8-18NFLH

No.LP265 JOINER



CODE	HOSE
18265	3/16

No.WB34 UNION (OXY)

No.WB35 UNION (ACET)



CODE	THREAD
1834	5/8-18NF
1835	5/8-18NF LH

No.DR27 UNION (OXY)

No.DR90 UNION (ACET)



CODE	THREAD
1827	5/8NF x 1/4 NPT
1890	5/8NF LH x 1/4 NPT

BLOW GUNS - CATEGORY 10

CODE	PART No.	INLET
10BG500-48	BG500	1/4BSP

A robust all metal duster gun,
* 1200mm long air nozzle



CODE	PART No.	INLET
10BG224	BG224	1/4BSP
10BG224L	BG224L (300mm)	1/4BSP

A more robust all plastic duster gun, with
brass insert on inlet.
Air Usage @ 90PSi
1/4 hose = 13CFM
3/8 hose = 15CFM



CODE	PART No.	INLET
10BG600	BG600	1/4BSP Male

A robust all metal duster gun, with 2 nozzles:
* 110mm long air nozzle
* Adjustable flow nozzle



DINGA WASH DOWN GUN

This is the original Dinga Gun.

Can be used on water up to 80° C.

Care should be taken when using hot water to avoid
burns to operator.



CODE	INLET
10DINGUN	1/2BSP

PARTS

10DINSR	Spring
10DINJET	Jet
10DINBOLT	Valve bolt

TI 1000 TYRE INFLATOR



CODE	DESCRIPTION
10TI 1000	Dual Scale Analogue

TI 201 DIGITAL TYRE INFLATOR

CODE	DESCRIPTION
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10TI201	3 IN 1 tyre inflator
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NEW AUTO SERIES INFLATOR and CHUCKS

These Auto tyre chucks and tyre inflator incorporate a new design in connecting the chuck to the tyre valve. Simply push the chuck onto the tyre valve and it will lock on, first time, every time. No cumbersome locking levers required. It is a simple one handed operation. To remove the chuck, just push on the release button. Much easier to use than the traditional lever style tyre chucks.

10TI6003 3 in 1 AUTO TYRE INFLATOR



Code: 10TI6003

- Non sealing tyre inflator
- 3 in 1 Gauge (PSI, Bar and Kpa)
- Max pressure 160psi (1100Kpa)
- Depress trigger half way to deflate
- 1/4bsp port
- Incorporates the new clip on Auto tyre chuck

10TC307 AUTO CLIP ON CHUCK STRAIGHT - Non Sealing



- Non sealing tyre chuck
- 1/4bsp female port

CODE
10TC307

10TC308 AUTO CLIP ON CHUCK 90 DEGREE - Non Sealing



- Non sealing tyre chuck
- 90 Degree Swivel
- 1/4bsp female port

CODE
10TC308

TC302 DUAL HOLD ON CHUCK - RUBBER HANDLE



CODE	DESCRIPTION
10TC302	No.302 Dual Hold On Chuck- Sealing

TC304 DUAL HOLD ON CHUCK



CODE	DESCRIPTION
TC304	Dual hold on chuck

TC300 SINGLE HOLD ON CHUCK

CODE	DESCRIPTION
10TC300	Single hold on chuck



TC301 SINGLE CLIP ON CHUCK

CODE	DESCRIPTION
10TC301	No.301 Single clip on chuck



TC3031 1/4 BARB CLIP ON CHUCK

CODE	DESCRIPTION
10TC3031	1/4 Barb clip on chuck



TC 305 1/4BSP CLIP ON CHUCK

CODE	DESCRIPTION
10TC305	1/4 BSP clip on chuck



TRUCK TYRE GAUGE

50mm Face
0-160psi Pressure Range
Housing: Steel
Ring: Chrome
Stem with release button NBR
Braided Hose Extension Bar
with Dual Chuck
CODE: 10TG-041



NEW Genuine PCL Tyre Inflation Equipment

10-PCLMK4A
Analogue tyre Inflator



10-PCLG417 Tyre Gauge

TC1050 “Imp” Tube Cutter**CODE DESCRIPTION**

10TC1050 Imp Tube Cutter
General purpose cutter for 1/8 to 5/8 OD
Tubing.
Uses No.S32633 wheel.

**37° Flaring Tool****CODE DESCRIPTION**

10FT437 For 3/16, 1/4, 5/16,
3/8, 1/2 and 5/8 OD

**TC1000 Tube Cutter****CODE DESCRIPTION**

10TC1000 Tube Cutter
General purpose cutter for 1/8 to 1-1/8 OD
tubing. Uses No.S75015 wheel

**Spare Cutting Wheels for Tube Cutters****CODE DESCRIPTION**

10TC1C General purpose cutter wheel (2 pack)
10TC1A General purpose cutter wheel (3 pack)
10TCS75046 S/Steel cutting wheel (1 pack)

TC174 “Big Imp” Tube Cutter**CODE DESCRIPTION EACH**

10TC174 Tube Cutter
General purpose cutter for 3/8 to 1-1/8 OD
Includes 2 x S75015 wheels

**Heavy Duty Tool Bag****CODE DESCRIPTION**

10TB52 Tool Bag
A very heavy duty tool bag.

**TC3050 Ratcheting Tube Cutter****CODE DESCRIPTION**

10TC3050 Tube Cutter
For 1/8 to 1-1/8 OD, 3 piece set includes
“Imp” style cutter, ratchet handle and
Removable deburr tool. Uses No.S75015 wheel

**GREASE GUNS****G3451 Lever Grease Gun****CODE**

10GG3451
16oz lever type grease gun
with 6 inch bent metal spout.
Cartridge or bulk fill

**Triple Head Benders for 90° bends****CODE DESCRIPTION**

10TB367 For 1/8, 3/16, 1/4 OD
10TB368 For 3/16, 1/4, 5/16, 3/8

**KS500 Pneumatic Grease Gun****CODE**

10GGKS500
16oz pneumatic grease gun
with 6 inch bent metal spout.
Cartridge or bulk fill

**Triple Head Bender for 180° bends****CODE DESCRIPTION**

10TB370 For 3/16, 1/4, 5/16, 3/8 and 1/2

**G3481LN Grease Gun****CODE**

10GG3481LN
16oz professional hand grip
grease gun with 9 inch
flexible spout.
Cartridge or bulk fill

**45° Flaring Tool****CODE DESCRIPTION**

10FT195 For 3/16, 1/4, 5/16,
3/8, 1/2 and 5/8 OD

**G3481 Grease Gun****CODE**

10GG3481
16oz pneumatic grease gun
with 6 inch bent metal spout.
Cartridge or bulk fill

**45° Double Flaring Tool****CODE DESCRIPTION**

10FT93 For 3/16, 1/4, 5/16,
3/8, 1/2 OD



<u>MC-16 ANT Tube Cutter</u> CODE DESCRIPTION 10MC-16 ANT Tube Cutter Tube cutter for 1/8 to 5/8 OD Copper/Brass/Aluminum Tubing. Spare Wheels are Available	<u>PC-303C ANT Hose Cutter</u> CODE DESCRIPTION 10PC303C ANT Tube utter Plastic Body Hose Cutter for up to 38mm Spare Blades are Available
<u>MC-22 ANT Tube Cutter</u> CODE DESCRIPTION 10MC-22 ANT Tube Cutter Tube Cutter 6mm to 22mm OD tubing. Not for steel or S/S Spare Wheels are Available	<u>PC-303F ANT Hose Cutter</u> CODE DESCRIPTION 10PC303F ANT Tube Cutter Metal Body Hose Cutter for up to 42 mm Spare Blades are Available
<u>MC-30 ANT Tube Cutter</u> CODE DESCRIPTION 10MC-30 ANT Tube Cutter General purpose cutter for 10mm to 30mm OD Not for Steel or S/S Spare Wheels are Available	<u>PC-318 ANT Hose Cutter</u> CODE DESCRIPTION 10PC318 ANT Tube Cutter Metal Body Hose Cutter for up to 51 mm Spare Blades are Available
<u>CC-64 ANT Tube & Pipe Cutter</u> CODE DESCRIPTION 10CC-64 Pipe & Tube Cutter For PVC, Copper Aluminum. Up to 110mm Not for use on Steel or S/S Spare Wheels are Available	<u>PC-336 ANT Hose Cutter</u> CODE DESCRIPTION 10PC336 ANT Tube Cutter Metal Body Hose Cutter for up to 63 mm Spare Blades are Available
<u>CC-110 ANT Tube & Pipe Cutter</u> CODE DESCRIPTION 10CC-110 Pipe & Tube Cutter For PVC, Copper Aluminium up to 127mm Not for use on Steel or S/S	<u>WS-103 ANT Wire Stripper</u> CODE DESCRIPTION 10WS103 ANT Wire Stripper
<u>NYLON TUBE CUTTERS</u> CODE CUTTING RANGE 10NTC 1/8 TO 1/2 10NTCB Spare Blade	<u>LPS-5 Locking Plier Set</u> CODE DESCRIPTION 10LPS-5 Set of 5 Locking pliers

AIR EQUIPMENT

IFS

CATEGORY 10

S322 SWIVEL

CODE	DESCRIPTION
10S322	1/4BSP Swivel



MO3040 MINI OILER

CODE	DESCRIPTION
10MO3040	1/4BSP Mini Oiler



F2002 INLINE FILTER

CODE	DESCRIPTION
10F2002	1/4BSP Inline Filter



MANIFOLDS - ANODISED ALUMINIUM



CODE	DESCRIPTION
10MAN04X3	1/4inlet x 1/4outlet—3port
10MAN04X4	1/4inlet x 1/4outlet - 4 port
10MAN04X5	1/4inlet x 1/4outlet - 5 port

MANIFOLDS—ALLOY WITH MOUNTING HOLES

Manifolds have 1/2BSP Fem Entry each end and 1/4 BSP Female outlets.
6mm mounting holes



CODE	OUTLETS
10MM03	3
10MM04	4
10MM05	5

3-WAY SPREADER

CODE	INLET	OUTLETS
10SPR04	1/4BSP	1/4BSP x 3



24V DC SOLENOID VALVE

2 —Way, 24 Volt DC Valve
With DIN Plug, NBR Seals
Normally Closed
Suitable for Air or Water



CODE	SIZE
28VXZ24-04	1/4BSP
28VXZ24-06	3/8BSP
28VXZ24-08	1/2BSP

Other voltages available on request

BONDED WASHERS



Assortment contains
10 of each size



PART No	SHAFT SIZE	I.D.	O.D.	HGHT	
10BW-M06	6mm	6.7mm	11mm	1.0mm	
10BW-M08	8mm	8.7mm	13mm	1.0mm	
10BW-M10	10mm	10.7mm	16mm	1.5mm	
10BW-M12	12mm	12.7mm	18mm	1.5mm	
10BW-M14	14mm	14.7mm	22mm	1.5mm	
10BW-M16	16mm	16.7mm	24mm	1.5mm	
10BW-M18	18mm	18.7mm	26mm	1.5mm	
10BW-M20	20mm	20.7mm	28mm	1.5mm	
10BW-M22	22mm	22.7mm	30mm	2.0mm	
10BW-M24	24mm	24.7mm	32mm	2.0mm	
47GP-BW	Asstd				

FLOW CONTROL VALVES

CODE	SIZE
28MSC-6A	1/8BSP
28MSC-8A	1/4BSP



MINIATURE CONTROL VALVES

CODE
28MJTV-3



SPECIFICATIONS

Type: Normally **closed** 3-way poppet,
2 position toggle valve
Medium: Air, water or oil
In pressure: 300psi max
Air Flow: @50psi = 14 SCFM @ 100psi = 25 SCFM
Temp Range: 0° C—100° C
Ports: Inlet, outlet and exhaust are all 1/8BSP
Mounting: 15/32-32 male thread, nuts and washers supplied

CODE
28MJTV-5



SPECIFICATIONS

Type: 5—way spool valve toggle actuated 2 position,
Medium: Air water, oil.
In Pressure: 150 psi max
Air Flow: @50 psi = 6.5 SCFM @100 psi = 10.5 SCFM
Temp: 0°c - 100°c
Ports: All ports are 1/8BSP
Mounting:: 15/32-32 male thread. Nuts and washers supplied

SILENCERS

PLASTIC

CODE	SIZE
28SP04	1/4BSP



PLASTIC WITH INSERT

CODE	SIZE
28MSR-01B	1/8BSP
28MSR-02B	1/4BSP



BRASS WITH SINTERED BRONZE

CODE	SIZE
28SOM5	M5
28S02	1/8BSP
28S04	1/4BSP
28S06	3/8BSP
28S08	1/2BSP
28S12	3/4BSP



BRASS WITH SINTERED BRONZE

CODE	SIZE
28SM02	1/8BSP
28SM04	1/4BSP
28SM06	3/8BSP
28SM08	1/2BSP



SPEED CONTROLLER WITH BUILT IN SILENCER

CODE	SIZE
28SVR02	1/8BSP
28SVR04	1/4BSP



STAINLESS STEEL

CODE	SIZE
28SS02	1/8BSP
28SS04	1/4BSP
28SSM02	1/8BSP
28SSM04	1/4BSP



PRESSURE SWITCHES



CODE	DESCRIPTION
28AD1-B	W/- Brass connector
28AD4-B	W/- Brass connector
28AD1-P	W/- Plastic push fit connector
28AD4-P	W/- Plastic push fit connector



Voltage Rating (Volts)	Max Current (Amps)	Cut in Pressure (Bar)	Cut Out Pressure (Bar)	Control Accuracy (Bar)	Work Temperature (°C)
220	16	6	8	± 0.03	- 25 to + 40

SPEED CONTROLLERS

JSC

90° SPEED CONTROLLER

CODE	TUBE	BSP	CONTROL	TYPE
28JSC6-01A	6mm	1/8	Meter Out	90°
28JSC6-01B	6mm	1/8	Meter In	90°
28JSC6-02A	6mm	1/4	Meter Out	90°
28JSC6-02B	6mm	1/4	Meter In	90°
28JSC8-01A	8mm	1/8	Meter Out	90°
28JSC8-01B	8mm	1/8	Meter In	90°
28JSC8-02A	8mm	1/4	Meter Out	90°
28JSC8-02B	8mm	1/4	Meter In	90°
28JSU6	6mm			In Line
28JSU8	8mm			In Line

JSU

IN-LINE SPEED CONTROLLER

CATEGORY 27

SMC AW3000-02BG

1/4 BSP FILTER REGULATOR
WITH BRACKET AND GAUGE

CODE: 27AW3000-02BG



IN LINE SHUT OFF VALVE

CODE	TUBE SIZE
28HVFF-06	6mm
28HVFF-08	8mm
28HVFF-10	10mm



SLIDE VALVE

CODE	SIZE BSP
28MVHS-8A	1/4
28MVHS-10A	3/8
28MVHS-15A	1/2



IN LINE FLOW CONTROL VALVE—CAT 10

CODE	SIZE BSP
10R2000	1/4



All products come in Clam Shell Packaging for easy display except the 600 Series

FILTER REGULATOR



PART No	DESCRIPTION	
28GFR200-04	200 Series 1/4 BSP Mini Filter Reg.	
28GFR300-04	300 Series 1/4 BSP Filter Regulator	
28GFR300-06	300 Series 3/8 BSP Filter Regulator	
28GFR300-08	300 Series 1/2 BSP Filter Regulator	
28GFR400-08	400 Series 1/2 BSP Filter Regulator	
28GFR600-12	600 Series 3/4 BSP Filter Regulator	
28GFR600-16	600 Series 1" BSP Filter Regulator	

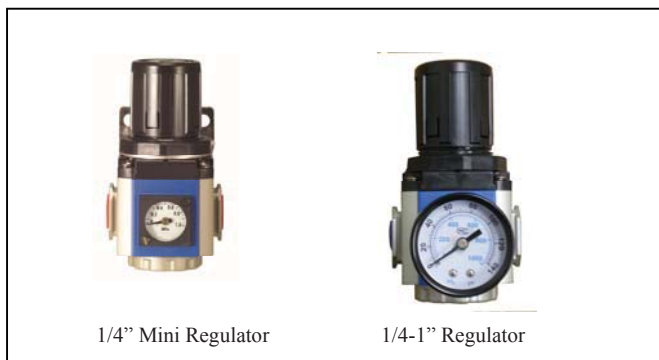
Standard filter is 5µm

All Filter Regulators come with a bracket and gauge.

Semi Auto drain automatically drains when system is depressurised. - can also be manually drained

**** The GFR300-04 is our most common Filter Regulator ****

REGULATOR



PART No	DESCRIPTION	
28GR200-04	200 Series 1/4 BSP Mini Reg.	
28GR300-04	300 Series 1/4 BSP Regulator	
28GR300-06	300 Series 3/8 BSP Regulator	
28GR300-08	300 Series 1/2 BSP Regulator	
28GR400-08	400 Series 1/2 BSP Regulator	
28GR600-12	600 Series 3/4 BSP Regulator	
28GR600-16	600 Series 1" BSP Regulator	

All Regulators come with a bracket and gauge.

FILTER



PART No	DESCRIPTION	
28GF200-04	200 Series 1/4 BSP Mini Filter	
28GF300-04	300 Series 1/4 BSP Filter	
28GF300-06	300 Series 3/8 BSP Filter	
28GF300-08	300 Series 1/2 BSP Filter	
28GF400-08	400 Series 1/2 BSP Filter	
28GF600-12	600 Series 3/4 BSP Filter	
28GF600-16	600 Series 1" BSP Filter	

Standard filter is 5µm

All Filters come with a bracket.

Semi auto drain automatically drains when system is Depressurised - can also be manually drained

Port Size	200 Mini Series 1/4"	300 Series 1/4, 3/8 & 1/2	400 Series 1/2"	600 Series 3/4 & 1"
Max Working Pressure	145psi	145psi	145psi	145psi
Maximum Flow Rate	3000 l/min	4000 l/min	6000 l/min	12000 l/min
Working Temperature	-10°C to +60°C	-10°C to +60°C	-10°C to +60°C	-10°C to +60°C

LUBRICATOR



1/4" Mini Lubricator



1/4-1" Lubricator

PART No	DESCRIPTION	
28GL200-04	200 Series 1/4 BSP Mini Lub.	
28GL300-04	300 Series 1/4 BSP Lubricator	
28GL300-06	300 Series 3/8 BSP Lubricator	
28GL300-08	300 Series 1/2 BSP Lubricator	
28GL400-08	400 Series 1/2 BSP Lubricator	
28GL600-12	600 Series 3/4 BSP Lubricator	
28GL600-16	600 Series 1" BSP Lubricator	

All Lubricators come with a bracket.
Lubricator can be refilled without shutting down the system.

DROP LEG DRAIN



PART No: 28GAAD-08
PORT: 1/2" Inlet, 3/8" Outlet

LOCKOUT VALVE

Able to shut off the air supply and purge the down stream line.
Allows safe maintenance on the air system



PART No	DESCRIPTION	
28GZ300-04	300 Series 1/4 Port	
28GZ300-08	300 Series 1/2 Port	
28GZ400-08	400 Series 1/2 Port	

ACCESSORIES

DISTRIBUTION BLOCKS

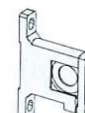
Positioned between the Filter Reg and the Lubricator
Air can be distributed to separate locations

PART No	DESCRIPTION	
28GA214-04	200 Series 1/4	
28GA314-04	300 Series 1/4	
28GA414-08	400 Series 1/2	
28GA614-16	600 Series 1"	



MOUNTING BRACKETS

PART No	DESCRIPTION	
28GA201	200 Series Mounting Bracket	
28GA301	300 Series Mounting Bracket	
28GA401	400 Series Mounting Bracket	
28GA203	200 Series Joining Bracket	
28GA303	300 Series Joining Bracket	
28GA403	400 Series Joining Bracket	


MOUNTING
BRACKET

JOINING
BRACKET

SPARE BOWLS AND FILTER ELEMENTS ALSO AVAILABLE

No.QF3 MALE CONNECTOR


CODE	TUBE	BSP
20QF.30202	1/8 x 1/8	
20QF.30302	3/16 x 1/8	
20QF.303M5	3/16 x M5	
20QF.30304	3/16 x 1/4	
20QF.304M5	1/4 x M5	
20QF.30402	1/4 x 1/8	
20QF.30404	1/4 x 1/4	
20QF.30406	1/4 x 3/8	
20QF.30502	5/16 x 1/8	
20QF.30504	5/16 x 1/4	
20QF.30506	5/16 x 3/8	
20QF.30604	3/8 x 1/4	
20QF.30606	3/8 x 3/8	
20QF.30608	3/8 x 1/2	
20QF.30804	1/2 x 1/4	
20QF.30806	1/2 x 3/8	
20QF.30808	1/2 x 1/2	

Guide
Collet
Chuck

Suitable for use with nylon and urethane. Large retaining force.
Has large retaining force while holding force is increased by the collet.

Release button

Series KQ2: Light gray
Series KQ : Blue
Light force for removal

When the fitting is removed from the tube, the chuck and collet are released, thus preventing them from biting into the tube excessively.

Seal

Can be used for a wide range of pressures from a low vacuum up to a pressure of 1 MPa.
The use of a special profile ensures sealing and reduces resistance when the tube is inserted.

Connection thread

Tube

Body

O-ring

Stud

Effective when piping in a confined space.

QF4 TUBE UNION


CODE	TUBE
20QF.402	1/8
20QF.403	3/16
20QF.404	1/4
20QF.405	5/16
20QF.406	3/8
20QF.408	1/2

No.QF11 UNION ELBOW


CODE	TUBE
20QF1102	1/8
20QF1103	3/16
20QF1104	1/4
20QF1105	5/16
20QF1106	3/8
20QF1108	1/2

No.QF14 TUBE TEE


CODE	TUBE
20QF1402	1/8
20QF1403	3/16
20QF1404	1/4
20QF1405	5/16
20QF1406	3/8
20QF1408	1/2

QF5 MALE ELBOW


CODE	TUBE	BSP
20QF.50202	1/8 x 1/8	
20QF.50302	3/16 x 1/8	
20QF.50304	3/16 x 1/4	
20QF.50402	1/4 x 1/8	
20QF.50404	1/4 x 1/4	
20QF.50406	1/4 x 3/8	
20QF.50502	5/16 x 1/8	
20QF.50504	5/16 x 1/4	
20QF.50506	5/16 x 3/8	
20QF.50604	3/8 x 1/4	
20QF.50606	3/8 x 3/8	
20QF.50608	3/8 x 1/2	
20QF.50804	1/2 x 1/4	
20QF.50806	1/2 x 3/8	
20QF.50808	1/2 x 1/2	

No.QF12 MALE BRANCH TEE


CODE	TUBE	BSP
20QF120202	1/8 x 1/8	
20QF120302	3/16 x 1/8	
20QF120402	1/4 x 1/8	
20QF120404	1/4 x 1/4	
20QF120502	5/16 x 1/8	
20QF120504	5/16 x 1/4	
20QF120604	3/8 x 1/4	
20QF120606	3/8 x 3/8	
20QF120806	1/2 x 3/8	
20QF120808	1/2 x 1/2	

No.QF31 BULKHEAD UNION


CODE	TUBE
20QF3103	3/16
20QF3104	1/4
20QF3105	5/16
20QF3106	3/8
20QF3108	1/2

No.QF75 TUBE Y-PIECE


CODE	TUBE
20QF7503	3/16
20QF7504	1/4
20QF7505	5/16

No.QF76 MALE BRANCH Y-PIECE


CODE	TUBE	BSP
20QF760302	3/16 x 1/8	
20QF760402	1/4 x 1/8	
20QF760404	1/4 x 1/4	
20QF760504	5/16 x 1/4	
20QF760604	3/8 x 1/4	
20QF760806	1/2 x 3/8	
20QF760808	1/2 x 1/2	

OTHER TYPES AND SIZES AVAILABLE ON REQUEST

No.QFM3 MALE CONNECTOR

CODE	TUBE	BSP
20QFM.304M5	4mm x	M5
20QFM.30402	4mm x	1/8
20QFM.30404	4mm x	1/4
20QFM.306M5	6mm x	M5
20QFM.30602	6mm x	1/8
20QFM.30604	6mm x	1/4
20QFM.30606	6mm x	3/8
20QFM.30802	8mm x	1/8
20QFM.30804	8mm x	1/4
20QFM.30806	8mm x	3/8
20QFM.31002	10mm x	1/8
20QFM.31004	10mm x	1/4
20QFM.31006	10mm x	3/8
20QFM.31008	10mm x	1/2
20QFM.31204	12mm x	1/4
20QFM.31206	12mm x	3/8
20QFM.31208	12mm x	1/2

No.QFM10 FEMALE UNION

CODE	TUBE	BSP
20QFM100402	4mm x	1/8
20QFM100404	4mm x	1/4
20QFM100602	6mm x	1/8
20QFM100604	6mm x	1/4
20QFM100802	8mm x	1/8
20QFM100804	8mm x	1/4
20QFM101004	10mm x	1/4
20QFM101006	10mm x	3/8
20QFM101206	12mm x	3/8
20QFM101208	12mm x	1/2

QFM14 TUBE TEE

CODE	TUBE
20QFM1404	4mm
20QFM1406	6mm
20QFM1408	8mm
20QFM1410	10mm
20QFM1412	12mm

QFM31 BULKHEAD UNION

CODE	TUBE
20QFM3104	4mm
20QFM3106	6mm
20QFM3108	8mm
20QFM3110	10mm
20QFM3112	12mm

No.QFM4 TUBE UNION

CODE	TUBE
20QFM.404	4mm
20QFM.406	6mm
20QFM.408	8mm
20QFM.410	10mm
20QFM.412	12mm

No.QFM11 TUBE ELBOW

CODE	TUBE
20QFM1104	4mm
20QFM1106	6mm
20QFM1108	8mm
20QFM1110	10mm
20QFM1112	12mm

No.QFM12 MALE BRANCH TEE

CODE	TUBE	BSP
20QFM120402	4mm x	1/8
20QFM120404	4mm x	1/4
20QFM120602	6mm x	1/8
20QFM120604	6mm x	1/4
20QFM120802	8mm x	1/8
20QFM120804	8mm x	1/4
20QFM120806	8mm x	3/8
20QFM121004	10mm x	1/4
20QFM121006	10mm x	3/8
20QFM121204	12mm x	1/4
20QFM121206	12mm x	3/8
20QFM121208	12mm x	1/2

QFM75 TUBE Y-PIECE

CODE	TUBE
20QFM7504	4mm
20QFM7506	6mm
20QFM7508	8mm
20QFM7510	10mm
20QFM7512	12mm

No.QFM5 MALE ELBOW

CODE	TUBE	BSP
20QFM.504M5	4mm x	M5
20QFM.50402	4mm x	1/8
20QFM.50404	4mm x	1/4
20QFM.506M5	6mm x	M5
20QFM.50602	6mm x	1/8
20QFM.50604	6mm x	1/4
20QFM.50606	6mm x	3/8
20QFM.50802	8mm x	1/8
20QFM.50804	8mm x	1/4
20QFM.50806	8mm x	3/8
20QFM.51002	10mm x	1/8
20QFM.51004	10mm x	1/4
20QFM.51006	10mm x	3/8
20QFM.51008	10mm x	1/2
20QFM.51204	12mm x	1/4
20QFM.51206	12mm x	3/8
20QFM.51208	12mm x	1/2

No.QFM13 MALE RUN TEE

CODE	TUBE	BSP
20QFM130402	4mm x	1/8
20QFM130404	4mm x	1/4
20QFM130602	6mm x	1/8
20QFM130604	6mm x	1/4
20QFM130802	8mm x	1/8
20QFM130804	8mm x	1/4
20QFM131004	10mm x	1/4
20QFM131006	10mm x	3/8
20QFM131204	12mm x	1/4
20QFM131206	12mm x	3/8
20QFM131208	12mm x	1/2

QFM76 MALE BRANCH Y-PIECE

CODE	TUBE	BSP
20QFM760402	4mm x	1/8
20QFM760602	6mm x	1/8
20QFM760604	6mm x	1/4
20QFM760802	8mm x	1/8
20QFM760804	8mm x	1/4
20QFM761004	10mm x	1/4
20QFM761006	10mm x	3/8
20QFM761206	12mm x	3/8
20QFM761208	12mm x	1/2

No.PC3 MALE CONNECTOR

CODE	TUBE	BSP
------	------	-----

26PC.302M5	1/8	x	M5
26PC.30202	1/8	x	1/8
26PC.30204	1/8	x	1/4
26PC.30302	3/16	x	1/8
26PC.30304	3/16	x	1/4
26PC.304M5	1/4	x	M5
26PC.30402	1/4	x	1/8
26PC.30404	1/4	x	1/4
26PC.30406	1/4	x	3/8

For 5/16 refer to 8mm

26PC.30602	3/8	x	1/8
26PC.30604	3/8	x	1/4
26PC.30606	3/8	x	3/8
26PC.30608	3/8	x	1/2
26PC.30804	1/2	x	1/4
26PC.30806	1/2	x	3/8
26PC.30808	1/2	x	1/2

No.PU4 TUBE UNION

CODE	TUBE
26PU.402	1/8
26PU.403	3/16
26PU.404	1/4

For 5/16 use 8mm

26PU.406	3/8
26PU.408	1/2

No.PL5 MALE ELBOW

CODE	TUBE	BSP
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26PL.50202	1/8	x	1/8
26PL.50302	3/16	x	1/8
26PL.50304	3/16	x	1/4
26PL.504M5	1/4	x	M5
26PL.50402	1/4	x	1/8
26PL.50404	1/4	x	1/4
26PL.50406	1/4	x	3/8
26PL.50602	3/8	x	1/8
26PL.50604	3/8	x	1/4
26PL.50606	3/8	x	3/8
26PL.50608	3/8	x	1/2
26PL.50804	1/2	x	1/4
26PL.50806	1/2	x	3/8
26PL.50808	1/2	x	1/2

No.PCF10 FEMALE UNION

CODE	TUBE	BSP
------	------	-----

26PCF100402	1/4	x	1/8
26PCF100404	1/4	x	1/4

No.PV11 TUBE ELBOW

CODE	TUBE
------	------

26PV1103	3/16
26PV1104	1/4
26PV1106	3/8
26PV1108	1/2

No.PB12 MALE BRANCH TEE

CODE	TUBE	BSP
------	------	-----

26PB120302	3/16	x	1/8
26PB120402	1/4	x	1/8
26PB120404	1/4	x	1/4
26PB120604	3/8	x	1/4
26PB120606	3/8	x	3/8
26PB120804	1/2	x	1/4

No.PE14 TUBE TEE

CODE	TUBE
------	------

26PE1402	1/8
26PE1403	3/16
26PE1404	1/4
26PE1406	3/8
26PE1408	1/2

No.PM31 BULKHEAD UNION

CODE	TUBE
------	------

26PM3104	1/4
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No.PY75 TUBE Y-PIECE

CODE	TUBE
------	------

26PY7504	1/4
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No.MPC MALE CONNECTOR


CODE	TUBE	BSP
26MPC.304M5	4mm x	M5
26MPC.30402	4mm x	1/8
26MPC.30404	4mm x	1/4
26MPC.306M5	6mm x	M5
26MPC.30602	6mm x	1/8
26MPC.30604	6mm x	1/4
26MPC.30606	6mm x	3/8
26MPC.30608	6mm x	1/2
26MPC.30802	8mm x	1/8
26MPC.30804	8mm x	1/4
26MPC.30806	8mm x	3/8
26MPC.30808	8mm x	1/2
26MPC.31002	10mm x	1/8
26MPC.31004	10mm x	1/4
26MPC.31006	10mm x	3/8
26MPC.31008	10mm x	1/2
26MPC.31204	12mm x	1/4
26MPC.31206	12mm x	3/8
26MPC.31208	12mm x	1/2
26MPC.31606	16mm x	3/8
26MPC.31608	16mm x	1/2

No.MPU TUBE UNION


CODE	TUBE
26MPU.404	4mm
26MPU.406	6mm
26MPU.408	8mm
26MPU.410	10mm
26MPU.412	12mm
26MPU.416	16mm

No. MPG REDUCING TUBE UNION


CODE	TUBE	TUBE
26MPG0604	6mm x	4mm
26MPG0806	8mm x	6mm
26MPG1008	10mm x	8mm

No.MPL MALE ELBOW


CODE	TUBE	BSP
26MPL.504M5	4mm x	M5
26MPL.50402	4mm x	1/8
26MPL.50404	4mm x	1/4
26MPL.506M5	6mm x	M5
26MPL.50602	6mm x	1/8
26MPL.50604	6mm x	1/4
26MPL.50606	6mm x	3/8
26MPL.50608	6mm x	1/2
26MPL.50802	8mm x	1/8
26MPL.50804	8mm x	1/4
26MPL.50806	8mm x	3/8
26MPL.50808	8mm x	1/2
26MPL.51002	10mm x	1/8
26MPL.51004	10mm x	1/4
26MPL.51006	10mm x	3/8
26MPL.51008	10mm x	1/2
26MPL.51204	12mm x	1/4
26MPL.51206	12mm x	3/8
26MPL.51208	12mm x	1/2
26MPL.51606	16mm x	3/8
26MPL.51608	16mm x	1/2

No.MPCF FEMALE UNION


CODE	TUBE	BSP
26MPCF100602	6mm x	1/8
26MPCF100604	6mm x	1/4
26MPCF100802	8mm x	1/8
26MPCF100804	8mm x	1/4
26MPCF101004	10mm x	1/4
26MPCF101006	10mm x	3/8
26MPCF101204	12mm x	1/4
26MPCF101206	12mm x	3/8

No.MPV TUBE ELBOW


CODE	TUBE
26MPV1104	4mm
26MPV1106	6mm
26MPV1108	8mm
26MPV1110	10mm
26MPV1112	12mm
26MPV1116	16mm

No.MPB MALE BRANCH TEE


CODE	TUBE	BSP
26MPB120402	4mm x	1/8
26MPB120404	4mm x	1/4
26MPB120602	6mm x	1/8
26MPB120604	6mm x	1/4
26MPB120802	8mm x	1/8
26MPB120804	8mm x	1/4
26MPB121004	10mm x	1/4
26MPB121006	10mm x	3/8
26MPB121204	12mm x	1/4
26MPB121206	12mm x	3/8
26MPB121208	12mm x	1/2

No.MPD MALE RUN TEE


CODE	TUBE	BSP
26MPD130402	4mm x	1/8
26MPD130602	6mm x	1/8
26MPD130802	8mm x	1/8

No. MPE TUBE TEE


CODE	TUBE
26MPE1404	4mm
26MPE1406	6mm
26MPE1408	8mm
26MPE1410	10mm
26MPE1412	12mm
26MPE1416	16mm

No.MPM BULKHEAD UNION


CODE	TUBE
26MPM3106	6mm
26MPM3108	8mm

No.MPGJ TUBE REDUCER


CODE	TUBE	TUBE
26MPGJ0604	6mm x	4mm
26MPGJ0806	8mm x	6mm
26MPGJ1008	10mm x	8mm
26MPGJ1208	12mm x	8mm
26MPGJ1210	12mm x	10mm

No.MPY TUBE Y-PIECE

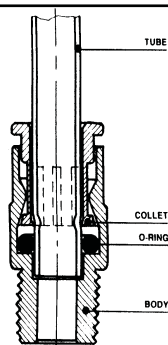

CODE	TUBE
26MPY7504	4mm
26MPY7506	6mm
26MPY7508	8mm
26MPY7510	10mm
26MPY7512	12mm

No. MPP TUBE PLUG


CODE	TUBE
26MPP6404	4mm
26MPP6406	6mm
26MPP6408	8mm
26MPP6410	10mm
26MPP6412	12mm

BRASS RAPID-FIT FITTINGS

METRIC TUBE TO BSP



- ◆ **BODY MATERIAL:** Brass, nickel plated
- ◆ **COLLET:** Brass, nickel plated
- ◆ **“O” RING:** FKM
- ◆ **WORK PRESSURE:** From 0 to 250 P.S.I.
- ◆ **WORK TEMPERATURE:** -20°C to 120°C
- ◆ **SUITABLE FOR VARIOUS PLASTIC TUBES**

RBM14 Tube Tee



CODE	TUBE
22RBM1404	4mm
22RBM1406	6mm
22RBM1408	8mm
22RBM1410	10mm
22RBM1412	12mm

No. RBM3 Male Connector



CODE	TUBE	BSP
22RBM.30402	4mm	1/8
22RBM.30404	4mm	1/4
22RBM.30602	6mm	1/8
22RBM.30604	6mm	1/4
22RBM.30802	8mm	1/8
22RBM.30804	8mm	1/4
22RBM.30806	8mm	3/8
22RBM.31004	10mm	1/4
22RBM.31006	10mm	3/8
22RBM.31204	12mm	1/4
22RBM.31206	12mm	3/8
22RBM.31208	12mm	1/2

RBM10 Female Union



CODE	TUBE	BSP
22RBM100402	4mm	1/8
22RBM100602	6mm	1/8
22RBM100604	6mm	1/4
22RBM100802	8mm	1/8
22RBM100804	8mm	1/4
22RBM101006	10mm	3/8

RBM31 Bulkhead Union



CODE	TUBE
22RBM3104	4mm
22RBM3106	6mm
22RBM3108	8mm
22RBM3110	10mm
22RBM3112	12mm

RBM4 Tube Union



CODE	TUBE
22RBM.404	4mm
22RBM.406	6mm
22RBM.408	8mm
22RBM.410	10mm
22RBM.412	12mm

CODE	TUBE
22RBM1104	4mm
22RBM1106	6mm
22RBM1108	8mm
22RBM1110	10mm
22RBM1112	12mm

RBM5 Swivel Male Elbow



CODE	TUBE	BSP
22RBM.50402	4mm	1/8
22RBM.50404	4mm	1/4
22RBM.50602	6mm	1/8
22RBM.50604	6mm	1/4
22RBM.50802	8mm	1/8
22RBM.50804	8mm	1/4
22RBM.51004	10mm	1/4
22RBM.51006	10mm	3/8
22RBM.51204	12mm	1/4
22RBM.51206	12mm	3/8
22RBM.51208	12mm	1/2

RBM12 Male Branch Tee



CODE	TUBE	BSP
22RBM120402	4mm	1/8
22RBM120602	6mm	1/8
22RBM120604	6mm	1/4
22RBM120802	8mm	1/8
22RBM120804	8mm	1/4
22RBM121004	10mm	1/4
22RBM121206	12mm	3/8

RBM13 Male Run Tee



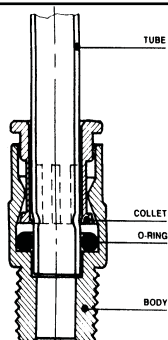
CODE	TUBE	BSP
22RBM130402	4mm	1/8
22RBM130602	6mm	1/8
22RBM130604	6mm	1/4
22RBM130804	8mm	1/4
22RBM131004	10mm	1/4
22RBM131206	12mm	3/8

BRASS RAPID-FIT FITTINGS

IMPERIAL TUBE TO BSP



CATEGORY 22



- ◆ **BODY MATERIAL:** Brass, nickel plated
- ◆ **COLLET:** Brass, nickel plated
- ◆ **“O” RING:** FKM
- ◆ **WORK PRESSURE:** From 0 to 250 P.S.I.
- ◆ **WORK TEMPERATURE:** -20°C to 120°C
- ◆ **SUITABLE FOR VARIOUS PLASTIC TUBES**

No. RB 3 **Male Connector**



CODE	TUBE	BSP
22RB.30402	1/4	1/8
22RB.30404	1/4	1/4
For 5/16 use 8mm		
22RB.30604	3/8	1/4
22RB.30606	3/8	3/8
22RB.30608	3/8	1/2
22RB.30804	1/2	1/4
22RB.30806	1/2	3/8
22RB.30808	1/2	1/2

RB 12 **Male Branch Tee**



CODE	TUBE	BSP
22RB120402	1/4	1/8
22RB120404	1/4	1/4
For 5/16 use 8mm		
22RB120604	3/8	1/4
22RB120606	3/8	3/8
22RB120806	1/2	3/8

RB 4 **Tube Union**



CODE	TUBE
22RB.404	1/4
For 5/16 use 8mm	
22RB.406	3/8
22RB.408	1/2

RB 14 **Tube Tee**



CODE	TUBE
22RB1404	1/4
For 5/16 use 8mm	
22RB1406	3/8
22RB1408	1/2

RB 5 **Swivel Male Elbow**



CODE	TUBE	BSP
22RB.50402	1/4	1/8
22RB.50404	1/4	1/4
For 5/16 use 8mm		
22RB.50604	3/8	1/4
22RB.50606	3/8	3/8
22RB.50804	1/2	1/4
22RB.50806	1/2	3/8
22RB.50808	1/2	1/2

RB 31 **Bulkhead Union**



CODE	EACH
22RB3104	1/4
For 5/16 use 8mm	
22RB3106	3/8

RB 11 **Tube Elbow**



CODE	TUBE
22RB1104	1/4
For 5/16 use 8mm	
22RB1106	3/8
22RB1108	1/2

**No. 62 DOT
Tube Joiner**


CODE	TUBE
35-6204	1/4
35-6206	3/8
35-6208	1/2
35-6210	5/8
35-6212	3/4
35-M6204	4mm
35-M6206	6mm
35-M6208	8mm
35-M6209	9mm
35-M6210	10mm
35-M6211	11mm
35-M6212	12mm
35-M6215	15mm
35-M6216	16mm

**No. 64 DOT
Tube Tee**


CODE	TUBE
35-6404	1/4
35-6406	3/8
35-6408	1/2
35-6410	5/8
35-M6406	6mm
35-M6408	8mm
35-M6410	10mm
35-M6412	12mm

**No. 65 DOT
Union Elbow**


CODE	TUBE
35-6504	1/4
35-6506	3/8
35-6508	1/2
35-M6506	6mm
35-M6508	8mm
35-M6510	10mm
35-M6512	12mm

**No. 66 DOT
Female
Connector**


CODE	TUBE	NPT
35-660402	1/4	1/8
35-660404	1/4	1/4
35-660604	3/8	1/4
35-660606	3/8	3/8
35-660804	1/2	1/4
35-660806	1/2	3/8
35-660808	1/2	1/2

**No. 68 DOT
Male
Connector**

Imperial Tube X Imperial Thread

CODE	TUBE	NPT
35-680402	1/4	1/8
35-680404	1/4	1/4
35-680406	1/4	3/8
35-680408	1/4	1/2
35-680602	3/8	1/8
35-680604	3/8	1/4
35-680606	3/8	3/8
35-680608	3/8	1/2
35-680804	1/2	1/4
35-680806	1/2	3/8
35-680808	1/2	1/2
35-681006	5/8	3/8
35-681008	5/8	1/2
35-681012	5/8	3/4
35-681208	3/4	1/2
35-681212	3/4	3/4

Metric Tube X Imperial Thread

CODE	TUBE	NPT
35-M680402	4mm	1/8
35-M680602	6mm	1/8
35-M680604	6mm	1/4
35-M680606	6mm	3/8
35-M680802	8mm	1/8
35-M680804	8mm	1/4
35-M680806	8mm	3/8
35-M681004	10mm	1/4
35-M681006	10mm	3/8
35-M681008	10mm	1/2
35-M681204	12mm	1/4
35-M681206	12mm	3/8
35-M681208	12mm	1/2
35-M681608	16mm	1/2

Metric Tube X Metric Thread

CODE	TUBE	METRIC
35-MM680610	6mm	M10
35-MM680612	6mm	M12
35-MM680614	6mm	M14
35-MM680616	6mm	M16
35-MM680622	6mm	M22
35-MM680810	8mm	M10
35-MM680812	8mm	M12
35-MM680814	8mm	M14
35-MM680816	8mm	M16
35-MM680822	8mm	M22
35-MM681010	10mm	M10
35-MM681012	10mm	M12
35-MM681014	10mm	M14
35-MM681016	10mm	M16
35-MM681022	10mm	M22
35-MM681212	12mm	M12
35-MM681214	12mm	M14
35-MM681216	12mm	M16
35-MM681222	12mm	M22
35-MM681616	16mm	M16
35-MM681622	16mm	M22

Imperial Tube X Metric Thread

CODE	TUBE	METRIC
35-MT680412	1/4	M12
35-MT680612	3/8	M12
35-MT680614	3/8	M14
35-MT680616	3/8	M16
35-MT680622	3/8	M22

**No. 69 DOT
Male Elbow**

Imperial Tube X Imperial Thread
FIXED

CODE	TUBE	NPT
35-690402	1/4	1/8
35-690404	1/4	1/4
35-690406	1/4	3/8
35-690602	3/8	1/8
35-690604	3/8	1/4
35-690606	3/8	3/8
35-690608	3/8	1/2
35-690804	1/2	1/4
35-690806	1/2	3/8
35-690808	1/2	1/2
35-691006	5/8	3/8
35-691008	5/8	1/2
35-691208	3/4	1/2
35-691212	3/4	3/4

SWIVEL

35-S690402	1/4	1/8
35-S690404	1/4	1/4
35-S690406	1/4	3/8
35-S690602	3/8	1/8
35-S690604	3/8	1/4
35-S690606	3/8	3/8
35-S690608	3/8	1/2
35-S690804	1/2	1/4
35-S690806	1/2	3/8
35-S690808	1/2	1/2
35-S691006	5/8	3/8
35-S691008	5/8	1/2
35-S691208	3/4	1/2
35-S691212	3/4	3/4

Metric Tube X Imperial Thread
All are Swivel

CODE	TUBE	NPT
35-MS690402	4mm	1/8
35-MS690602	6mm	1/8
35-MS690604	6mm	1/4
35-MS690606	6mm	3/8
35-MS690804	8mm	1/4
35-MS690806	8mm	3/8
35-MS691004	10mm	1/4
35-MS691006	10mm	3/8
35-MS691008	10mm	1/2
35-MS691204	12mm	1/4
35-MS691206	12mm	3/8
35-MS691208	12mm	1/2

Metric Tube X Metric Thread
All are Swivel

CODE	TUBE	METRIC
35-MMS690610	6mm	10mm
35-MMS690612	6mm	12mm
35-MMS690616	6mm	16mm
35-MMS690622	6mm	22mm
35-MMS690812	8mm	12mm
35-MMS690816	8mm	16mm
35-MMS690822	8mm	22mm
35-MMS691012	10mm	12mm
35-MMS691016	10mm	16mm
35-MMS691022	10mm	22mm
35-MMS691212	12mm	12mm
35-MMS691216	12mm	16mm
35-MMS691222	12mm	22mm
35-MMS691622	16mm	22mm

Male Elbow Cont.

Imperial Tube x Metric Thread
All are Swivel

CODE	TUBE	METRIC
35-MTS690612	3/8	12mm
35-MTS690616	3/8	16mm
35-MTS690622	3/8	22mm

No. 70 DOT
Female
Elbow

CODE	TUBE	NPT
35-700402	1/4	1/8
35-700404	1/4	1/4
35-700604	3/8	1/4
35-700606	3/8	3/8
35-700806	1/2	3/8

No. 71 DOT
Male Run
TeeImperial Tube X Imperial Thread
FIXED

CODE	TUBE	NPT
35-710402	1/4	1/8
35-710404	1/4	1/4
35-710604	3/8	1/4
35-710606	3/8	3/8
35-710806	1/2	3/8

SWIVEL

35-S710402	1/4	1/8
35-S710404	1/4	1/4
35-S710604	3/8	1/4
35-S710606	3/8	3/8
35-S710806	1/2	3/8
35-S710808	1/2	1/2

Metric Tube X Metric Thread
All are Swivel

CODE	TUBE	METRIC
35-MMS710612	6mm	12mm
35-MMS711016	10mm	16mm
35-MMS711216	12mm	16mm
35-MMS711222	12mm	22mm

No. 72 DOT
Male Branch
TeeImperial Tube X Imperial Thread
FIXED

CODE	TUBE	NPT
35-720404	1/4	1/4
35-720602	3/8	1/8
35-720604	3/8	1/4
35-720606	3/8	3/8
35-720806	1/2	3/8
35-720808	1/2	1/2

SWIVEL

35-S720402	1/4	1/8
35-S720404	1/4	1/4
35-S720602	3/8	1/8
35-S720604	3/8	1/4
35-S720606	3/8	3/8
35-S720804	1/2	1/4
35-S720806	1/2	3/8
35-S720808	1/2	1/2

Metric Tube X Metric Thread
All are Swivel

CODE	TUBE	METRIC
35-MMS720612	6mm	12mm
35-MMS721016	10mm	16mm
35-MMS721216	12mm	16mm
35-MMS721222	12mm	22mm

No. 54 DOT
Male 45deg
ElbowImperial Tube X Imperial Thread
FIXED

CODE	TUBE	NPT
35-540402	1/4	1/8
35-540404	1/4	1/4
35-540602	3/8	1/8
35-540604	3/8	1/4
35-540606	3/8	3/8
35-540608	3/8	1/2
35-540804	1/2	1/4
35-540806	1/2	3/8
35-540808	1/2	1/2
35-541006	5/8	3/8
35-541008	5/8	1/2

SWIVEL

35-S540402	1/4	1/8
35-S540404	1/4	1/4
35-S540602	3/8	1/8
35-S540604	3/8	1/4
35-S540606	3/8	3/8
35-S540804	1/2	1/4
35-S540806	1/2	3/8
35-S540808	1/2	1/2

No. 82 DOT
Bulkhead
Union

CODE	TUBE
35-8204	1/4
35-8206	3/8
35-8208	1/2

10mm Metric thread has a 1mm pitch.
All others have a 1.5mm pitch

**COUPLING FEMALE SEALING**

CODE	PART No.	THREAD
33A33	CA93-33	1/4 NPS
33A34	CA93-34	3/8 NPS
33A35	CA93-35	1/2 NPS

COUPLING FEMALE NON-SEALING

CODE	PART No.	THREAD
33A86	CA93-86	1/4 NPS
33A82	CA93-82	3/8 NPS
33A87	CA93-87	1/2 NPS

FEMALE ADAPTOR-NON SEALING

CODE	PART No.	THREAD
33A21	CA93-21	1/4 NPS
33A22	CA93-22	3/8 NPS
33A23	CA93-23	1/2 NPS

MALE ADAPTOR-NON-SEALING

CODE	PART No.	THREAD
33A18	CA93-18	1/4 NPT
33A19	CA93-19	3/8 NPT
33A20	CA93-20	1/2 NPT

BARBED ADAPTOR - NON-SEALING

CODE	PART No.	SIZE
33A29	CA93-29	1/4 Barb
33A08	CA93-8	3/8 Barb
33A14	CA93-14	1/2 Barb

**FEMALE ADAPTOR - SEALING**

CODE	PART No.	THREAD
33A88	CA93-88	1/4 NPS
33A89	CA93-89	3/8 NPS
33A90	CA93-90	1/2 NPS

**COUPLING-MALE SEALING**

CODE	PART No.	THREAD
33A30	CA93-30	1/4 NPT
33A31	CA93-31	3/8 NPT
33A32	CA93-32	1/2 NPT

COUPLING MALE NON-SEALING

CODE	PART No.	THREAD
33A83	CA93-83	1/4 NPT
33A84	CA93-84	3/8 NPT
33A85	CA93-85	1/2 NPT

**MALE ADAPTOR - SEALING**

CODE	PART No.	THREAD
33A91	CA93-91	1/4 NPT
33A92	CA93-92	3/8 NPT
33A93	CA93-93	1/2 NPT

**DEAD-END MALE**

CODE	PART No.	SIZE
33A99	CA93-99	FITS COUPLERS

DEAD-END FEMALE

CODE	PART No.	SIZE
33A97	CA93-97	FITS ADAPTORS

DUST PLUG & CHAIN

CODE	PART No.	SIZE
33A79	CA93-79	FITS COUPLINGS

IFS

Takes 3/8 Nylon with
Nut & Ferrule
33AF103-06 &
33AF104-06

**BULKHEAD COUPLING**

CODE	PART No.	SIZE
33A112	CA93-112	1/2 BSPP NON-SEALING
33A117	CA93-117	1/2 BSPP SEALING

BULKHEAD ADAPTOR - NON SEALING

Takes 3/8 Nylon with
Nut & Ferrule
⇒



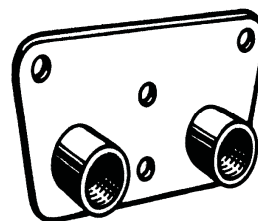
CODE	PART No.	SIZE
33A109	CA93-109	1/2 BSPP

DUST COVER & CHAIN

CODE	PART No.	SIZE
33A81	CA93-81	FITS ADAPTORS

REPAIR KIT

CODE	PART No.	SIZE
33QRKI	QRK-1	FITS SEALING COUPLERS

**MOUNTING BRACKETS**

CODE	PART No.	SIZE
33A420	A420	1/2 NPS

NOTE: SEALING COUPLINGS MUST NOT BE USED WITH SEALING ADAPTORS.

No. 1460 NTA Olive  <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>361460-04</td><td>1/4</td></tr><tr><td>361460-06</td><td>3/8</td></tr><tr><td>361460-08</td><td>1/2</td></tr><tr><td>361460-10</td><td>5/8</td></tr><tr><td>361460-12</td><td>3/4</td></tr></table>	CODE	TUBE	361460-04	1/4	361460-06	3/8	361460-08	1/2	361460-10	5/8	361460-12	3/4	No.1469 NTA Male Elbow  <table><tr><th>CODE</th><th>TUBE</th><th>NPT</th></tr><tr><td>361469-0402</td><td>1/4</td><td>1/8</td></tr><tr><td>361469-0404</td><td>1/4</td><td>1/4</td></tr><tr><td>361469-0406</td><td>1/4</td><td>3/8</td></tr><tr><td>361469-0602</td><td>3/8</td><td>1/8</td></tr><tr><td>361469-0604</td><td>3/8</td><td>1/4</td></tr><tr><td>361469-0606</td><td>3/8</td><td>3/8</td></tr><tr><td>361469-0608</td><td>3/8</td><td>1/2</td></tr><tr><td>361469-0804</td><td>1/2</td><td>1/4</td></tr><tr><td>361469-0806</td><td>1/2</td><td>3/8</td></tr><tr><td>361469-0808</td><td>1/2</td><td>1/2</td></tr><tr><td>361469-1006</td><td>5/8</td><td>3/8</td></tr><tr><td>361469-1008</td><td>5/8</td><td>1/2</td></tr><tr><td>361469-1208</td><td>3/4</td><td>1/2</td></tr></table>	CODE	TUBE	NPT	361469-0402	1/4	1/8	361469-0404	1/4	1/4	361469-0406	1/4	3/8	361469-0602	3/8	1/8	361469-0604	3/8	1/4	361469-0606	3/8	3/8	361469-0608	3/8	1/2	361469-0804	1/2	1/4	361469-0806	1/2	3/8	361469-0808	1/2	1/2	361469-1006	5/8	3/8	361469-1008	5/8	1/2	361469-1208	3/4	1/2	No. 1471 NTA Male Run Tee  <table><tr><th>CODE</th><th>TUBE</th><th>NPT</th></tr><tr><td>361471-0402</td><td>1/4</td><td>1/8</td></tr><tr><td>361471-0604</td><td>3/8</td><td>1/4</td></tr><tr><td>361471-0606</td><td>3/8</td><td>3/8</td></tr><tr><td>361471-0806</td><td>1/2</td><td>3/8</td></tr></table>	CODE	TUBE	NPT	361471-0402	1/4	1/8	361471-0604	3/8	1/4	361471-0606	3/8	3/8	361471-0806	1/2	3/8												
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361471-0606	3/8	3/8																																																																																	
361471-0806	1/2	3/8																																																																																	
No. 1461 NTA Nut  <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>361461-04</td><td>1/4</td></tr><tr><td>361461-06</td><td>3/8</td></tr><tr><td>361461-08</td><td>1/2</td></tr><tr><td>361461-10</td><td>5/8</td></tr><tr><td>361461-12</td><td>3/4</td></tr></table>	CODE	TUBE	361461-04	1/4	361461-06	3/8	361461-08	1/2	361461-10	5/8	361461-12	3/4	No. 1464 NTA Tube Tee  <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>361464-04</td><td>1/4</td></tr><tr><td>361464-06</td><td>3/8</td></tr><tr><td>361464-08</td><td>1/2</td></tr><tr><td>361464-10</td><td>5/8</td></tr></table>	CODE	TUBE	361464-04	1/4	361464-06	3/8	361464-08	1/2	361464-10	5/8																																																												
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No.1468 NTA Male Connector  <table><tr><th>CODE</th><th>TUBE</th><th>NPT</th></tr><tr><td>361468-0402</td><td>1/4</td><td>1/8</td></tr><tr><td>361468-0404</td><td>1/4</td><td>1/4</td></tr><tr><td>361468-0406</td><td>1/4</td><td>3/8</td></tr><tr><td>361468-0602</td><td>3/8</td><td>1/8</td></tr><tr><td>361468-0604</td><td>3/8</td><td>1/4</td></tr><tr><td>361468-0606</td><td>3/8</td><td>3/8</td></tr><tr><td>361468-0608</td><td>3/8</td><td>1/2</td></tr><tr><td>361468-0804</td><td>1/2</td><td>1/4</td></tr><tr><td>361468-0806</td><td>1/2</td><td>3/8</td></tr><tr><td>361468-0808</td><td>1/2</td><td>1/2</td></tr><tr><td>361468-1006</td><td>5/8</td><td>3/8</td></tr><tr><td>361468-1008</td><td>5/8</td><td>1/2</td></tr><tr><td>361468-1208</td><td>3/4</td><td>1/2</td></tr><tr><td>361468-1212</td><td>3/4</td><td>3/4</td></tr></table>	CODE	TUBE	NPT	361468-0402	1/4	1/8	361468-0404	1/4	1/4	361468-0406	1/4	3/8	361468-0602	3/8	1/8	361468-0604	3/8	1/4	361468-0606	3/8	3/8	361468-0608	3/8	1/2	361468-0804	1/2	1/4	361468-0806	1/2	3/8	361468-0808	1/2	1/2	361468-1006	5/8	3/8	361468-1008	5/8	1/2	361468-1208	3/4	1/2	361468-1212	3/4	3/4	No. 1480 NTA Male 45° Elbow  <table><tr><th>CODE</th><th>TUBE</th><th>NPT</th></tr><tr><td>361480-0402</td><td>1/4</td><td>1/8</td></tr><tr><td>361480-0604</td><td>3/8</td><td>1/4</td></tr><tr><td>361480-0606</td><td>3/8</td><td>3/8</td></tr><tr><td>361480-0804</td><td>1/2</td><td>1/4</td></tr><tr><td>361480-0806</td><td>1/2</td><td>3/8</td></tr><tr><td>361480-0808</td><td>1/2</td><td>1/2</td></tr><tr><td>361480-1008</td><td>5/8</td><td>1/2</td></tr></table>	CODE	TUBE	NPT	361480-0402	1/4	1/8	361480-0604	3/8	1/4	361480-0606	3/8	3/8	361480-0804	1/2	1/4	361480-0806	1/2	3/8	361480-0808	1/2	1/2	361480-1008	5/8	1/2	No. 1484 NTA Spigot  <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>361484-04</td><td>1/4</td></tr><tr><td>361484-06</td><td>3/8</td></tr><tr><td>361484-08</td><td>1/2</td></tr><tr><td>361484-10</td><td>5/8</td></tr><tr><td>361484-12</td><td>3/4</td></tr></table>	CODE	TUBE	361484-04	1/4	361484-06	3/8	361484-08	1/2	361484-10	5/8	361484-12	3/4
CODE	TUBE	NPT																																																																																	
361468-0402	1/4	1/8																																																																																	
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CODE	TUBE	NPT																																																																																	
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361480-1008	5/8	1/2																																																																																	
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361484-10	5/8																																																																																		
361484-12	3/4																																																																																		
No. 1462 NTA Joiner  <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>361462-04</td><td>1/4</td></tr><tr><td>361462-06</td><td>3/8</td></tr><tr><td>361462-08</td><td>1/2</td></tr><tr><td>361462-10</td><td>5/8</td></tr><tr><td>361462-12</td><td>3/4</td></tr></table>	CODE	TUBE	361462-04	1/4	361462-06	3/8	361462-08	1/2	361462-10	5/8	361462-12	3/4	No. 1465 NTA Union Elbow  <table><tr><th>CODE</th><th>TUBE</th></tr><tr><td>361465-04</td><td>1/4</td></tr><tr><td>361465-06</td><td>3/8</td></tr><tr><td>361465-08</td><td>1/2</td></tr></table>	CODE	TUBE	361465-04	1/4	361465-06	3/8	361465-08	1/2	All Fittings on this page are supplied with the No. 1484 spigot pre-assembled in the fitting. Working Pressure 150PSI/1035KPA @ 20°c																																																													
CODE	TUBE																																																																																		
361462-04	1/4																																																																																		
361462-06	3/8																																																																																		
361462-08	1/2																																																																																		
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361465-06	3/8																																																																																		
361465-08	1/2																																																																																		
	No. 1472 NTA Male Branch Tee  <table><tr><th>CODE</th><th>TUBE</th><th>NPT</th></tr><tr><td>361472-0404</td><td>1/4</td><td>1/4</td></tr><tr><td>361472-0604</td><td>3/8</td><td>1/4</td></tr><tr><td>361472-0606</td><td>3/8</td><td>3/8</td></tr><tr><td>361472-0804</td><td>1/2</td><td>1/4</td></tr><tr><td>361472-0806</td><td>1/2</td><td>3/8</td></tr></table>	CODE	TUBE	NPT	361472-0404	1/4	1/4	361472-0604	3/8	1/4	361472-0606	3/8	3/8	361472-0804	1/2	1/4	361472-0806	1/2	3/8																																																																
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361472-0404	1/4	1/4																																																																																	
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361472-0606	3/8	3/8																																																																																	
361472-0804	1/2	1/4																																																																																	
361472-0806	1/2	3/8																																																																																	



CODE	SIZE
35-TV06F06M	3/8 NPT M&F
35-TV08F08M	1/2 NPT M&F

CODE	SIZE
35-TV08M08F	1/2 NPT M&F



CODE	SIZE
35-TV08FL08M	1/2 FLARE x 1/2 NPT MALE
35-TV10FL08M	5/8 FLARE x 1/2 NPT MALE

CODE	SIZE
35-TV08M08FL	1/2 NPT x 1/2
35-TV08M10FL	1/2 NPT x 5/8 Flare



CODE	SIZE
35-TV06H06M	3/8 Hose x 3/8NPT
35-TV10H06M	5/8 Hose x 3/8NPT
35-TV10H08M	5/8 Hose x 1/2NPT
35-TV12H08M	3/4 Hose x 1/2NPT

CODE	SIZE
04DV1421	1/4 NPT Drain Valve

Refer to Category 4—Page 51



GLAD HAND COUPLINGS



CODE	DESCRIPTION
33-GHB	Glad Hand—Blue
33-GHR	Glad Hand—Red
33-GHSET	Glad Hand Set
33-GHSEAL	Glad Hand Seal



GLAD HAND LOCK



CODE	DESCRIPTION
33-GHLOCK	Glad Hand Lock

GLAD HAND GRIP SET



CODE	DESCRIPTION
33-GHGS	Glad Hand Grip Set(2)

CODE	DESCRIPTION
33-3LC	3 Line Clamp



CHROME PLATED POGO STICK



CODE	DESCRIPTION
33-POGOC	Pogo Stick—CP

NITEX STYLE AIRBRAKE FITTINGS CATEGORY 33

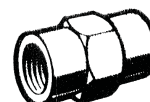
No. AF103
FERRULE
For Nylon Tube



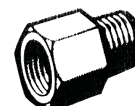
No. AF104
TUBE NUT



No. AF100 TUBE
CONNECTOR



No. AF105 MALE
CONNECTOR

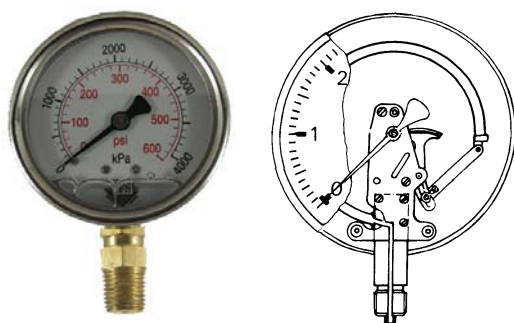


No. AF108 MALE
ELBOW



No. AF110 TUBE
TEE





ALL GAUGES ARE BOURDON TUBE TYPE.

BOURDON TUBE GAUGES ARE SUITED TO MOST GENERAL EQUIPMENT APPLICATIONS.

LIQUID FILLING PROTECTS THE INTERNALS OF A GAUGE FROM CORROSIVE ATMOSPHERES AND DAMPENS THE EFFECT OF VIBRATION AND PULSATION.

TO PREVENT DAMAGE, GAUGES SHOULD NOT BE USED AT MORE THAN 2/3 OF THEIR MAXIMUM READOUT.

40MM BOTTOM ENTRY

CODE	DESCRIPTION	MOUNT
251035	250kpa/36psi S/Steel Case	1/8BSP
251040	400kpa/60psi S/Steel case	1/8BSP
251052	1000kpa/145psi S/Steel case	1/8BSP

40MM REAR ENTRY

CODE	DESCRIPTION	MOUNT
251060	-100kpa Vacuum S/Steel Case	1/8BSP
251062	250kpa/36psi S/Steel Case	1/8BSP
251065	400kpa/60psi S/Steel Case	1/8BSP
251075	1000kpa/145psi S/Steel Case	1/8BSP
251078	1000kpa/145psi S/Steel Case	1/4BSP

50MM BOTTOM ENTRY

CODE	DESCRIPTION	MOUNT
251108	250kpa/36psi S/Steel Case	1/4BSP
251115	400kpa/60psi S/Steel Case	1/4BSP
251126	800kpa/115psi Blk/Steel Case	1/8BSP
251130	1000kpa/145psi Blk/Steel Case	1/4BSP
251135	1600kpa/230psi S/Steel Case	1/4BSP
251139	2500kpa/360psi S/Steel Case	1/4BSP

50MM REAR ENTRY

CODE	DESCRIPTION	MOUNT
251205	250kpa/36psi S/Steel Case	1/8BSP
251225	800kpa/115psi S/Steel Case	1/4BSP
251230	1000kpa/145psi S/Steel Case	1/8BSP
251235	1000kpa/145psi S/Steel Case	1/4BSP
251240	1600kpa/230psi S/Steel Case	1/8BSP
251244	1600kpa/230psi S/Steel Case	1/4BSP
251247	4000kpa/360psi S/Steel Case	1/8BSP

63MM BOTTOM ENTRY

CODE	DESCRIPTION	MOUNT
251251	-100kpa Vacuum S/Steel Case	1/4BSP
251253	100kpa/15psi S/Steel Case	1/4BSP
251260	250kpa/36psi S/Steel Case	1/4BSP
251273	400kpa/55psi S/Steel Case	1/4BSP
251274	600kpa/85psi S/Steel Case	1/4BSP
251275	800kpa/115psi S/Steel Case	1/4BSP
251277	1000kpa/145psi S/Steel Case	1/4BSP
251281	1600kpa/230psi S/Steel Case	1/4BSP
251285	2500kpa/350psi S/Steel Case	1/4BSP
251315	4000kpa/580psi S/Steel Case	1/4BSP
251320	6000kpa/870psi S/Steel Case	1/4BSP

63MM REAR ENTRY

CODE	DESCRIPTION	MOUNT
251356	250kpa/36psi S/Steel Case	1/4BSP
251358	1000kpa/145psi S/Steel Case	1/4BSP
251359	1600kpa/230psi S/Steel Case	1/4BSP
251360	4000kpa/580psi S/Steel Case	1/4BSP
251362	6000kpa/870psi S/Steel Case	1/4BSP

LIQUID FILLED GAUGES

50MM BOTTOM ENTRY

CODE	DESCRIPTION	MOUNT
2511301LF	1000kpa/145psi s/steel case	1/4BSP
251135LF	1600kpa/230psi s/steel case	1/4BSP

50MM REAR ENTRY

CODE	DESCRIPTION	MOUNT
251235LF	1000kpa/145psi s/steel case	1/4BSP
251244LF	1600kpa/230psi s/steel case	1/4BSP

63MM BOTTOM ENTRY

CODE	DESCRIPTION	MOUNT
251385	-100kpa Vacuum S/Steel Case	1/4BSP
251390	100kpa/15psi S/Steel Case	1/4BSP
251395	250kpa/35psi S/Steel Case	1/4BSP
251400	400kpa/55psi S/Steel Case	1/4BSP
251405	600kpa/85psi S/Steel Case	1/4BSP
251410	800kpa/115psi S/Steel Case	1/4BSP
251415	1000kpa/145psi S/Steel Case	1/4BSP
251420	1600kpa/230psi S/Steel Case	1/4BSP
251425	2500kpa/350psi S/Steel Case	1/4BSP
251430	4000kpa/580psi S/Steel Case	1/4BSP
2514325	6000kpa/820psi s/Steel case	1/4BSP
251435	8000kpa/1150psi S/Steel Case	1/4BSP
251440	10000kpa/1500psi S/Steel Case	1/4BSP
251445	16000kpa/2320psi S/Steel Case	1/4BSP
251452	25000kpa/3500psi S/Steel Case	1/4BSP
251458	40000kpa/5800psi S/Steel Case	1/4BSP

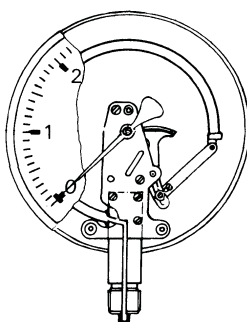
63MM REAR ENTRY

CODE	DESCRIPTION	MOUNT
251505	-100kpa Vacuum S/Steel Case	1/4BSP
251510	100kpa/15psi S/Steel Case	1/4BSP
251515	250kpa/35psi S/Steel Case	1/4BSP
251525	600kpa/85psi S/Steel Case	1/4BSP
251530	800kpa/115psi S/Steel Case	1/4BSP
251535	1000kpa/145psi S/Steel Case	1/4BSP
251540	1600kpa/230psi S/Steel Case	1/4BSP
251545	2500kpa/360psi S/Steel Case	1/4BSP
251550	4000kpa/580psi S/Steel Case	1/4BSP
251560	8000kpa/1150psi S/Steel Case	1/4BSP
251565	16000kpa/2320psi S/Steel Case	1/4BSP
251570	25000kpa/3600psi S/Steel Case	1/4BSP
251593	40000kpa/5800psi S/Steel Case	1/4BSP

63MM BOTTOM ENTRY ALL STAINLESS

CODE	DESCRIPTION	MOUNT
25FSS1410	800KPA/115psi all s/steel	1/4BSP
25FSS1415	1000kpa/145psi all s/steel	1/4BSP
25FSS1420	1600kpa/230psi all s/steel	1/4BSP
25FSS1425	2500kpa/350psi all s/steel	1/4BSP
25FSS1430	4000kpa/600psi all s/steel	1/4BSP

PLEASE NOTE: Liquid filled gauges must be installed in a vertical position so that the rubber bung is at the top. After installation the rubber bung should be pierced with a pin or similar implement to allow the gauge to breath. There may be some leakage during transport caused by heat and elevation variations.



ALL GAUGES ARE BOURDON TUBE TYPE.

BOURDON TUBE GAUGES ARE SUITED TO MOST GENERAL EQUIPMENT APPLICATIONS.

LIQUID FILLING PROTECTS THE INTERNALS OF A GAUGE FROM CORROSIVE ATMOSPHERES AND DAMPENS THE EFFECT OF VIBRATION AND PULSATION.

TO PREVENT DAMAGE, GAUGES SHOULD NOT BE USED AT MORE THAN 2/3 OF THEIR MAXIMUM READOUT.

LIQUID FILLED GAUGES 100MM BOTTOM ENTRY

CODE	DESCRIPTION	MOUNT
251854	400kpa/60psi S/Steel Case	3/8BSP
251856	800kpa/115psi S/Steel Case	3/8BSP
251857	1000kpa/145psi S/Steel Case	3/8BSP
251858	1600kpa/230psi S/Steel Case	3/8BSP
251859	2500kpa/360psi S/Steel Case	3/8BSP
251860	4000kpa/600psi S/Steel Case	3/8BSP
251861	6000kpa/820psi S/Steel Case	3/8BSP
251862	8000kpa/1150psi S/Steel Case	3/8BSP
251863	10000kpa/1500psi S/Steel Case	3/8BSP
251864	16000kpa/2320psi S/Steel Case	3/8BSP
251865	25000kpa/3600psi S/Steel Case	3/8BSP
251866	40000kpa/5800psi S/Steel Case	3/8BSP

PANEL MOUNT KITS

CODE	SIZE
251085	40mm
251245	50mm
251595	63mm

FRONT FLANGE KIT



CODE	SIZE
2512452	50mm
2515952	63mm

GAUGE PROTECTORS



CODE	DESCRIPTION
25GPBE63	63mm Rubber BE gauge protector
25GPBE63	63mm Rubber RE gauge protector

Other types and sizes of gauges are available, please ask our sales staff for further information.

LIQUID FILLED GAUGES BAR SCALE

63MM BOTTOM ENTRY

CODE	DESCRIPTION	MOUNT
25B63-1	0-1 Bar S/S Case	1/4BSP
25B63-1.6	0-1.6 Bar S/S Case	1/4BSP
25B63-2	0-2 Bar S/S Case	1/4BSP
25B63-4	0-4 Bar S/S Case	1/4BSP
25B63-7	0-7 Bar S/S Case	1/4BSP
25B63-11	0-11 Bar S/S Case	1/4BSP
25B63-13.5	0-13.5 Bar S/S Case	1/4BSP
25B63-20	0-20 Bar S/S Case	1/4BSP
25B63-40	0-40 Bar S/S Case	1/4BSP
25B63-60	0-60 Bar S/S Case	1/4BSP
25B63-100	0-100 Bar S/S Case	1/4BSP

63MM REAR ENTRY

25BR63-4	0-4 Bar S/S Case	1/4BSP
25BR63-7	0-7 Bar S/S Case	1/4BSP
25BR63-11	0-11 Bar S/S Case	1/4BSP
25BR63-14	0-14 Bar S/S Case	1/4BSP
25BR63-40	0-40 Bar S/S Case	1/4BSP
25BRC63-C5	-1 TO +5 Bar Compound	1/4BSP

J844 AIRCOILS - "SUZICOILS"

CODE	OD	DESCRIPTION
14SUIFS-S	1/2	IFS Short tail—fitted set
14SUIFS-L	1/2	IFS Long tail—fitted set

Pre-Packaged Kits — Consisting of 1 Red & 1Blue Aircoil assembled with fittings and springs.

HEAVY DUTY ELECTRACOILS

CODE	OD	WIRE SIZE	WIRE AMPS	WORK LGTH	TAIL LGTH
14ELEC	1/2"	4mm	15amp	3.7Mtr	Short
14ELEC-L	1/2"	4mm	15amp	3.7Mtr	Long

With Plugs

14ELEC-MP	1/2"	4mm	15amp	3.7Mtr	Short
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POLYURETHANE TUBING**METRIC**

CODE (BLACK)	SIZE OD x ID	WORK PRESSURE	PRICE PER 20mtr 50mtr 100mtr
14MPU04-	4 x 2mm	170PSI	
14MPU06-	6 x 4mm	170PSI	
14MPU08-	8 x 5mm	170PSI	
14MPU10-	10x 6.5mm	145PSI	
14MPU12-	12 x 8mm	145PSI	

All sizes are also available in Red, Blue, Yellow and Clear (Natural).

To order black add suffix 20, 50 or 100 for coil required, for other colors add "R" for red "B" for blue "Y" for yellow and "C" for clear to above part number. EG: 20mtr 6mm blue tube would be 14MPU0620B.

Apply same system to imperial tube.

IMPERIAL

14PU04	1/4 x .107	170PSI
14PU06	3/8 x .245	170PSI
14PU08	1/2 x .320	170PSI

BUNDYWELD STEEL TUBING**CATEGORY 17**

CODE	OD	ID	BURST PRESSURE
17B03	3/16	.131	13,870PSI
17B04	1/4	.194	10,074PSI
17B05	5/16		
17B06	3/8	.319	

COPPER TUBE**CATEGORY 17**

CODE	SIZE	MAX.WORK PSI	COIL LGTH
170206	1/8" x 20g	4050	6Mtr
170306	3/16" x 20g	2610	6Mtr
170330	3/16" x 20g	2610	30Mtr
170406	1/4" x 20g	1890	6Mtr
170430	1/4" x 20g	1890	30Mtr
170506	5/16" x 20g	1476	6Mtr
170518	5/16" x 20g	1476	18Mtr
170530	5/16" x 20g	1476	30Mtr
170606	3/8" x 20g	1212	6Mtr
170618	3/8" x 20g	1212	18Mtr
170806	1/2" x 20g	1080	6Mtr
170818	1/2" x 20g	1080	18Mtr

: ONLY SOLD IN LENGTHS LISTED

: SOME METRIC SIZES AVAILABLE IN 5 OR 20 MTR LGTH

: OTHER TYPES AND SIZES AVAILABLE ON REQUEST

CATEGORY 13**POLYURETHANE SPIRAL HOSES****FITTED WITH 1/4 BSP SWIVEL ENDS**

CODE	HOSE SIZE OD ID	WORKING LENGTH	WORKING PRESSURE
1306X4-2F4	6mm 4mm	2 MTR	120PSI 840KPA
1306X4-6F4	6mm 4mm	6 MTR	120PSI 840KPA
1306X4-8F4	6mm 4mm	8 MTR	120PSI 840KPA
1308X5-2F4	8mm 5mm	2 MTR	120PSI 840KPA
1308X5-4F4	8mm 5mm	4 MTR	120PSI 840KPA
1308X5-6F4	8mm 5mm	6 MTR	120PSI 840KPA
1308X5-8F4	8mm 5mm	8 MTR	120PSI 840KPA
1310X6-2F4	10mm 6.5mm	2 MTR	120PSI 840KPA
1310X6-4F4	10mm 6.5mm	4 MTR	120PSI 840KPA
1310X6-6F4	10mm 6.5mm	6 MTR	120PSI 840KPA
1310X6-8F4	10mm 6.5mm	8 MTR	120PSI 840KPA
1310X6-15F4	10mm 6.5mm	15 MTR	120PSI 840KPA
1312X8-4F4	12mm 8mm	4 MTR	120PSI 840KPA
1312X8-6F4	12mm 8mm	6 MTR	120PSI 840KPA
1312X8-8F4	12mm 8mm	8 MTR	120PSI 840KPA



MEDIUM PRESSURE - FLEXIBLE - IMPERIAL

CODE (BLACK)	OD	ID	MIN. BEND RADIUS	REC.WORK PSI BAR	PER COIL		
					20m	50m	100m
14N1102	1/8"	.087"	.75"	250 17.2			
14N1103	3/16"	.125"	1.0"	250 17.2			
14N1104	1/4"	.169"	1.5"	250 17.2			
14N1105	5/16"	.214"	2.0"	250 17.2			
14N1106	3/8"	.258"	2.5"	250 17.2			
14N1108	1/2"	.347"	3.5"	250 17.2			
14N1110	5/8"	.495"	4.37"	125 8.5			
14N1112	3/4"	.590"	5.25"	125 8.5			

How To Order

Part Number Example: 14N1106-?? (?? = Required coil size)

ALSO AVAILABLE IN 5 OTHER COLOURS.

ADD SUFFIX TO CODE : N = NATURAL, R = RED,

B = BLUE, G = GREEN, Y = YELLOW

COLOURS ARE ONLY AVAILABLE FROM 1/8 TO 1/2,
PRICING IS SAME AS ABOVE.

MEDIUM PRESSURE - FLEXIBLE - METRIC

CODE (BLACK)	OD	ID	MIN BEND RADIUS	REC.WORK PSI BAR	PER COIL		
					20m	50m	100m
14NM1104	4mm	2.7mm	28mm	290 20			
14NM1105	5mm	3.3mm	35mm	290 20			
14NM1106	6mm	4.0mm	42mm	290 20			
14NM1108	8mm	5.2mm	56mm	290 20			
14NM1110	10mm	6.6mm	70mm	290 20			
14NM1112	12mm	8.0mm	84mm	290 20			

How To Order

Part Number Example: 14NM1106-?? (?? = Required coil size)

ALSO AVAILABLE IN GREEN, BLUE, NATURAL, RED AND
YELLOW. ADD SUFFIX TO CODE AS WITH IMPERIAL.

HIGH PRESSURE - SEMI RIGID - IMPERIAL

CODE (BLACK)	OD	ID	MIN. BEND RADIUS	REC. WORK PSI BAR	PER COIL		
					20m	50m	100m
14NSR02	1/8"	.078"	.75"	625 43			
14NSR03	3/16"	.110"	1.25"	625 43			
14NSR04	1/4"	.147"	1.75"	625 43			
14NSR05	5/16"	.186"	2.25"	625 43			
14NSR06	3/8"	.224"	3.0"	625 43			
14NSR08	1/2"	.303"	4.0"	625 43			

AVAILABLE IN BLACK ONLY

SELF STORE HOSE

CODE	ID	OD	MAX. EXTENSION	REC.WORK	
				PSI	KPA
14SS04-15	1/4"	.312"	14mtr	180	1241
14SS04-30	1/4"	.312"	28mtr	180	1241
14SS06-15	3/8"	.467"	13mtr	180	1241
14SS06-30	3/8"	.467"	26mtr	180	1241
14SS08-15	1/2"	.063"	11.5mtr	150	1034
14SS08-30	1/2"	.063"	23mtr	150	1034
14SS12-15	3/4"	.900"	9.5mtr	125	862
14SS12-30	3/4"	.900"	19mtr	125	862

STANDARD COLOUR IS ORANGE. NOT FOR USE ON
AIRBRAKES.

NYLON AIRBRAKE TUBING SAE J844 TYPE B BRAIDED

CODE	OD	ID	MIN. BEND RADIUS	REC WORK		PER COIL		
				PSI	KPA	25m	50m	100m
14BR04	1/4"	.171	1.25"	200	1350			
14BR06	3/8"	.251"	1.50"	150	1034			
14BR08	1/2"	.376"	2.00"	150	1034			
14BR10	5/8"	.441"	2.50"	150	1034			
14BR12	3/4"			150	1034			

CODES SHOWN ARE FOR BLACK, ALSO AVAILABLE IN
RED AND BLUE, ADD SUFFIX B OR R TO CODE.

DIN 74324 METRIC AIRBRAKE TUBE

CODE	OD	ID	REC.WORK		PER COIL		
			PSI	KPA	25m	50m	100m
14MBR04	4mm	2mm	250	1700			
14MBR06	6mm	4mm	250	1700			
14MBR08	8mm	6mm	250	1700			
14MBR10	10mm	7.5mm	200	1400			
14MBR12	12mm	9mm	200	1400			
14MBR14	14mm	10mm	150	1034			
14MBR15	15mm	12mm	150	1034			
14MBR16	16mm	12mm	150	1034			

ONLY AVAILABLE IN BLACK

ALSO AVAILABLE IN OTHER COLOURS ON REQUEST.
COLOURS ONLY COME IN 100M COILS

NOTE: Working pressures given are based on a 4:1 safety
factor in a temperature range of 3 - 50deg C.

SPECIALTY SERVICES

Tubing can be cut to length, coiled, formed, bundled,
branded or made in a specific colour to customer
requirements. Cost and minimum production runs depend
on size and tooling requirements. Please contact our sales
office for further information.

PVC HOSE

TRANSLUCENT MULTI - PURPOSE (TMP)



CODE	SIZE ID	OD NOMINAL	REC. MPA	WORK PSI	PER / COIL 20 MTR 100 MTR
13MP04	6mm(1/4)	10.2mm	1.4	200	
13MP05	8mm(5/16)	12.4mm	1.4	200	
13MP06	10mm(3/8)	15mm	1.4	200	
13MP08	12mm(1/2)	18.1mm	1.4	200	
13MP10	16mm (5/8)	22.4mm	1.4	200	
13MP12	19mm(3/4)	27.6mm	1.4	200	
13MP16	25mm(1)	33.5mm	1.4	200	

TMP is ideal for most clear hose applications. It has a red tracer line for ease of identification, it can be used as a solvent line in general

SUPER UNIFLEX— BLUE WITH GOLD STRIPE



CODE	SIZE ID	OD	WORK PSI	PER COIL 20m 30m 50m 100m
13SUF04	6mm(1/4)	12.4mm	230	
13SUF05	8mm(5/16)	14.4mm	230	
13SUF06	10mm(3/8)	16.4mm	230	
13SUF08	12mm(1/2)	18.9mm	230	
13SUF12	20mm(3/4)			
13SUF16	25mm(1)			

How To Order

Part Number Example: 13SUF06-?? (?? = Required coil size)

Larger coils are available on request.

Blue Super Uniflex hose is durable and abrasion resistant.

This hose maintains its flexibility at low temperatures.

SUPER UNIFLEX ASSEMBLED HOSES



10MM ID Super Uniflex Hose in 20 or 30 Mtr coils assembled with various crimp on fittings.

CODE DESCRIPTION

Assembled with R2200 series fittings

13ASF20-R 20mtr Hose w/- R2200 series coupler

13ASF30-R 30mtr Hose w/- R2200 series coupler

Assembled with Nitto interchange standard coupler

13ASF20-STDNC 20mtr hose w/- std Nitto copy coupler

13ASF30-STDNC 30mtr hose w/- std Nitto copy coupler

Assembled with one touch Nitto interchange coupler

13ASF20-1TNC 20mtr hose w/- one touch Nitto style

13ASF30-1TNC 30mtr hose w/- one touch Nitto style

Assembled with Genuine Nitto std coupler

13ASF20-GN 20mtr hose w/- Nitto standard couplers

13ASF30-GN 30mtr hose w/- Nitto standard coupler

Assembled with R5500 Euro style couplers

13ASF20-E 20mtr hose w/- Euro style coupler

13ASF30-E 30mtr hose w/- Euro style coupler

CLEAR VINYL TUBE (CVT)

CODE	ID	WALL THICK	REC. MPA	WORK PSI
13CVT02	3mm(1/8)	1.0mm	.8	125
13CVT03	5mm(3/16)	1.5mm	.7	115
13CVT04	6mm(1/4)	1.5mm	.6	90
13CVT05	8mm(5/16)	1.5mm	.5	75
13CVT06	10mm(3/8)	1.5mm	.4	60
13CVT08	12mm(1/2)	2.0mm	.4	60
13CVT10	16mm(5/8)	2.0mm	.4	60
13CVT12	19mm(3/4)	2.0mm	.3	45
13CVT16	25mm(1)	3.0mm	.3	45

CVT IS A CLEAR FOOD GRADE TUBING

ALL SIZES SHOWN ARE PACKED IN 30Mtr COILS.

LARGER SIZES AVAILABLE ON REQUEST.

3/8 (10mm) Extra Flexible PVC Hose

Hose is supplied with 1/4 BSPT fittings on each end. Available in 20 or 30 metre coils.

CODE	SIZE
13PVCF06B-20	3/8 x 20Mtr
13PVCF06B-30	3/8 x 30Mtr

Hose is Blue in colour



TRUCK CAB KIT

CATEGORY 13



CODE	DESCRIPTION
13SHKIT-2M	2Mtr Spiral hose Truck Kit

RUBBER HOSE

High Pressure Pesticide Chemical Hose 600PSI Eliminator Hose

- Australian Made
- Abrasion Resistant
- UV Resistant Material
- Inner Liner is Resistant to Most Chemicals
- Working Pressure of 600PSI @ 23c



CODE	SIZE		WORK PSI
	ID	OD	
13HPPC10	10mm	17.4mm	600
13HPPC12	12mm	20.4mm	600

Rubber Airbrake Hose

SAE J1402 Type A

- Temp: -40°C to + 93°C
- Tube: Black, Smooth, EPDM Rubber.
- Reinforcement: High Strength Synthetic Yarn.
- Black, Smooth, EPDM Rubber, heat and ozone resistant.



CODE	SIZE		WORK PSI
	ID	OD	
13AB06-200	3/8 in	19mm	300
13AB08-150	1/2 in	22.5mm	300

RUBBER MULTI—PURPOSE HOSE

- Suitable for hot water.
- Resistant to crushing and abrasion.
- Non—conductive to 1000 volts DC.
- Nitrile rubber—resistant to oils and some chemicals.
- Temperature: -20C to + 100C



CODE	SIZE		WORK PSI
	ID	OD	
13RMP06	9.5mm (3/8)	17mm	300
13RMP08	12.7mm (1/2)	21mm	300
13RMP10	15.9mm (5/8)	26mm	300
13RMP12	19.1mm (3/4)	29mm	300
13RMP16	25.4mm (1)	36mm	300

Brass Garden Hose Fitting Set



CODE

10-BGHKIT 1/2 (12mm) Brass Garden Hose 4pce Kit

RETRACTABLE HOSE REELERS

- Compact Design
- Built in locking mechanism giving control of working length.
- Self layering system on retracting prevents tangling and jamming
- 180° swivel mount
- 174PSI working pressure (4:1 safety factor)
- UV stabilised hose and case



Air Hose Reel
3/8 ID x 14Mtr Hose
 Part No.
 15HQR1014
 1/4 BSP inlet and outlet.



Air Hose Reel
3/8 ID x 20Mtr Hose
 Part No.
 15HQR1020
 1/4 BSP inlet and outlet.



Air / Water Hose Reel
1/2 ID x 20Mtr Hose
 Part No.
 15HQR1220
 1/2 BSP inlet and outlet.

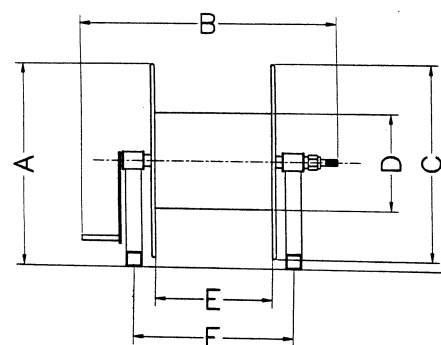
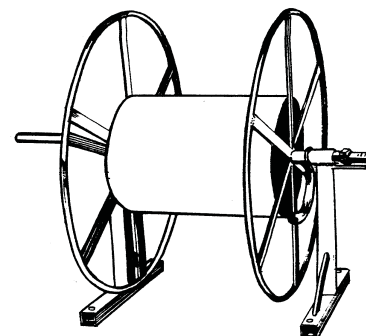
CATEGORY 15

MANUAL HOSE REELER

A range of sturdy steel hose reelers designed to accept longer lengths of hose.

CODE	HOSE ID	LENGTH	A	B	C	D	E	F	G
15HR11	10mm(3/8)	50Mtr	460	500	425	170	200	310	330
15HR12	10mm(3/8)	100Mtr	540	510	515	250	210	320	330
15HR8	12mm(1/2)	50Mtr	460	500	425	170	200	350	330
15HR2A	20mm(3/4)	100Mtr	630	600	600	250	300	410	330

OTHER SIZES AVAILABLE ON REQUEST
 REELS ARE ALSO AVAILABLE WITH DISC ENDS INSTEAD OF SPOKES.
 REELS CAN BE MODIFIED TO SUIT CUSTOMER REQUIREMENTS.
 ALL DIMENSIONS IN MILLIMETRES.
 ALL REELERS ASSEMBLED TO ORDER.





BLACK SELF LOCKING—100 Per Pkt

CODE	LENGTH	WIDTH	BDLE DIA
11CT10025	100 mm	2.5 mm	30 mm
11CT20025	200 mm	2.5 mm	50 mm
11CT15035	150 mm	3.5 mm	35 mm
11CT20035	200 mm	3.5 mm	50 mm
11CT25035	250 mm	3.5 mm	65 mm
11CT30035	300 mm	3.5 mm	80 mm
11CT20047	200 mm	4.7 mm	50 mm
11CT25047	250 mm	4.7 mm	65 mm
11CT30047	300 mm	4.7 mm	80 mm
11CT38047	380 mm	4.7 mm	102 mm
11CT43047	430 mm	4.7 mm	110 mm
11CT30075	300 mm	7.5 mm	80 mm
11CT37075	370 mm	7.5 mm	102 mm

BLACK SELF LOCKING—50 Per Pkt

11CT45075	450 mm	7.5 mm	118 mm
11CT55075	550 mm	7.5 mm	160 mm
11CT55090	550 mm	9.0 mm	160 mm

BLACK SELF LOCKING—25 Per Pkt

11CT65090	650 mm	9.0 mm	190 mm
11CT76090	760 mm	9.0 mm	225 mm
11CT102090	1020 mm	9.0 mm	295 mm
11CT54013	540 mm	13.0 mm	155 mm

BLACK RELEASABLE—25 Per Pkt

CODE	LENGTH	WIDTH	BDLE DIA
11CTR30075	300 mm	7.5 mm	80 mm
11CTR35080	350 mm	8.0 mm	90 mm
11CTR45080	450 mm	8.0 mm	118 mm
11CTR55090	550 mm	9.0 mm	160 mm
11CTR780127	780 mm	12.7 mm	230 mm

CABLE TIE TENSION AND CUT OFF GUNS

CODE SIZE

11CTG100 For 2.4 to 4.8 mm



11CTG600A For 4.8 mm



11CTG519 For 9.0 mm



11CTG001 For S/S ties



COLOURED SELF LOCKING TIES—100 Per Pkt

CODE	COLOR	LENGTH	WIDTH	BDL DIA
11CTC15025R	Red	150 mm	2.5 mm	35 mm
11CTC15025B	Blue	150 mm	2.5 mm	35 mm
11CTC15025Y	Yellow	150 mm	2.5 mm	35 mm
11CTC15025N	Natural	150 mm	2.5 mm	35 mm
11CTC15025G	Green	150 mm	2.5 mm	35 mm
11CTC30035R	Red	300 mm	3.5 mm	80 mm
11CTC30035B	Blue	300 mm	3.5 mm	80 mm
11CTC30035Y	Yellow	300 mm	3.5 mm	80 mm
11CTC30035N	Natural	300 mm	3.5 mm	80 mm
11CTC30035G	Green	300 mm	3.5 mm	80 mm
11CTC30047R	Red	300 mm	4.7 mm	80 mm
11CTC30047B	Blue	300 mm	4.7 mm	80 mm
11CTC30047Y	Yellow	300 mm	4.7 mm	80 mm
11CTC30047N	Natural	300 mm	4.7 mm	80 mm
11CTC30047G	Green	300 mm	4.7 mm	80 mm

STAINLESS STEEL TIES—50 Per Pkt

CODE	LENGTH	WIDTH	BDLE DIA
11CTSS20046	200 mm	4.6 mm	50 mm
11CTSS30046	300 mm	4.6 mm	80 mm
11CTSS40046	400 mm	4.6 mm	105 mm
11CTSS52046	520 mm	4.6 mm	150 mm

STAINLESS STEEL TIES—25 Per Pkt

11CTSS30079	300 mm	7.9 mm	80 mm
11CTSS40079	400 mm	7.9 mm	105 mm
11CTSS52079	520 mm	7.9 mm	150 mm

STAINLESS STEEL TIES—10 Per Pkt

11CTSS84079	840 mm	7.9 mm	250 mm
11CTSS105079	1050 mm	7.9 mm	285 mm


W2 304SS band—ZP steel housing and screw

CODE PRICE	BAND WIDTH	ADJUSTMENT RANGE - MM
41W2012	9MM	8 - 12
41W2016	9MM	8 - 16
41W2022	9MM	12 - 22
41W2027	12MM	16 - 27
41W2032	12MM	20 - 32
41W2040	12MM	25 - 40
41W2050	12MM	32 - 50
41W2060	12MM	40 - 60
41W2070	12MM	50 - 70
41W2080	12MM	60 - 80
41W2090	12MM	70 - 90
41W2100	12MM	80 - 100
41W2120	12MM	100 - 120
41W2140	12MM	120 - 140
41W2160	12MM	140 - 160

W4 304 STAINLESS STEEL

CODE	BAND WIDTH	ADJUSTMENT
41W4016	9mm	8-16
41W4022	9mm	12-22
41W4027	12mm	16-27
41W4032	12mm	20-32
41W4040	12mm	25-40
41W4045	12mm	30-45
41W4050	12mm	32-50
41W4060	12mm	40-60
41W4070	12mm	50-70
41W4080	12mm	60-80
41W4090	12mm	70-90
41W4100	12mm	80-100
41W4110	12mm	90-110
41W4120	12mm	110-120
41W4140	12mm	120-140
41W4160	12mm	140-160

**FLEXDRIVER
CATEGORY 11**


CODE	SIZE
11D250	250mm Long 7mm Drive

W5 - 316SS Acid Resistant Stainless Steel

CODE	BAND WIDTH	ADJUSTMENT MM
41W5 016	9mm	8 - 16
41W5 022	9mm	12 - 22
41W5 027	12mm	16 - 27
41W5 032	12mm	20 - 32
41W5 040	12mm	25 - 40
41W5 045	12mm	30 - 45
41W5 050	12mm	32 - 50
41W5 060	12mm	40 - 60
41W5 070	12mm	50 - 70
41W5 080	12mm	60 - 80
41W5 090	12mm	70 - 90
41W5 100	12mm	80 - 100
41W5 120	12mm	100 - 120
41W5 140	12mm	120 - 140
41W5 160	12mm	140 - 160
41W5 180	12mm	150 - 180

**MINI CLAMPS
CATEGORY 11**

CODE	ADJUSTMENT RANGE	BAND WIDTH
11M08	6 - 8	9mm
11M09	7 - 9	9mm
11M10	8 - 10	9mm
11M11	9 - 11	9mm
11M13	11-13	9mm
11M14	12-14	9mm
11M15	13-15	9mm
11M16	14-16	9mm


**“O” CLIPS
CATEGORY 11**

CODE	CLAMP RANGE
11OTK0507	5 - 7mm
11OTK0709	7 - 9mm
11OTK0911	9 - 11mm
11OTK1113	11-13mm
11OTK1315	13-15mm
11OTK1518	15-18mm
11OTK1720	17-20mm
11OTK2023	20-23mm
11OTK2327	23-27mm
11OTK2831	28-31mm
11OTK3134	31-34mm
11OTK3437	34-37mm


**“O” CLIP
PLIERS
CODE: 110TKPL**


SUPERCLAMPS

CATEGORY 11

MIKALOR


W1 ZP STEEL

CODE	CLAMP RANGE
11SC019	17mm to 19mm
11SC022	20mm to 22mm
11SC025	23mm to 25mm
11SC028	26mm to 28mm
11SC031	29mm to 31mm
11SC035	32mm to 35mm
11SC039	36mm to 39mm
11SC043	40mm to 43mm
11SC047	44mm to 47mm
11SC051	48mm to 51mm
11SC055	52mm to 55mm
11SC059	56mm to 59mm
11SC063	60mm to 63mm
11SC067	64mm to 67mm
11SC073	68mm to 73mm
11SC079	74mm to 79mm
11SC085	80mm to 85mm
11SC091	86mm to 91mm
11SC097	92mm to 97mm
11SC103	98mm to 103mm
11SC112	104mm to 112mm
11SC121	113mm to 121mm
11SC130	122mm to 130mm
11SC139	131mm to 139mm
11SC148	140mm to 148mm
11SC161	149mm to 161mm
11SC174	162mm to 174mm
11SC187	175mm to 187mm
11SC200	188mm to 200mm
11SC213	201mm to 213mm
11SC226	214mm to 226mm
11SC239	227mm to 239mm
11SC252	240mm to 252mm

W5 STAINLESS STEEL

11SCW5019	17mm to 19mm
11SCW5021	19mm to 21mm
11SCW5023	21mm to 23mm
11SCW5025	23mm to 25mm
11SCW5027	25mm to 27mm
11SCW5029	27mm to 29mm
11SCW5031	29mm to 31mm
11SCW5034	31mm to 34mm
11SCW5037	34mm to 37mm
11SCW5040	37mm to 40mm
11SCW5043	40mm to 43mm
11SCW5047	43mm to 47mm
11SCW5051	47mm to 51mm
11SCW5055	51mm to 55mm
11SCW5059	55mm to 59mm

W5 STAINLESS STEEL Continued

CODE	CLAMP RANGE
11SCW5063	59mm to 63mm
11SCW5068	63mm to 68mm
11SCW5073	68mm to 73mm
11SCW5079	73mm to 79mm
11SCW5085	79mm to 85mm
11SCW5091	85mm to 91mm
11SCW5097	91mm to 97mm
11SCW5104	97mm to 104mm
11SCW5112	104mm to 112mm

"P" CLIPS - Rubber Lined

CATEGORY 11

CODE	SIZE	
	INCH	MM
11P05	3/16	5
11P06	1/4	6
11P08	5/16	8
11P10	3/8	10
11P13	1/2	13
11P16	5/8	16
11P19	3/4	19
11P25	1	25
11P32	1 1/4	32
11P38	1 1/2	38
11P51	2	50



SADDLES—COPPER CATEGORY 11



CODE	TUBE OD
11DSC04	1/4
11DSC05	5/16
11DSC06	3/8
11DSC08	1/2
11DSC10	5/8
11DSC12	3/4
11DSC16	1

SINGLE SIDE CLIPS CATEGORY 11

COPPER	
CODE	TUBE OD
11CS04	1/4
11CS05	5/16
11CS06	3/8
11CS08	1/2

ZP STEEL	
CODE	TUBE OD
11ZPS03	3/16
11ZPS04	1/4
11ZPS05	5/16
11ZPS06	3/8
11ZPS08	1/2



SADDLES—ZP STEEL CATEGORY 11



CODE	TUBE OD
11ZPD04	1/4
11ZPD05	5/16
11ZPD06	3/8
11ZPD08	1/2
11ZPD10	5/8
11ZPD12	3/4
11ZPD16	1

Pipe Clamps with Polypropylene Jaws

One Set = Top Plate + Bottom Plate

+ Hex Bolts + PP Jaws.

All Clamps are supplied in assembled condition



SINGLE BOLT



STANDARD CLAMP



HEAVY DUTY CLAMP



TWIN CLAMP

TUBE OD	PIPE NB	SINGLE BOLT CODE PRICE EA	STANDARD CLAMP CODE PRICE EA	HEAVY DUTY CLAMP CODE PRICE EA	TWIN CLAMP CODE PRICE EA
6mm—1/4		11PCL06	11PCS06	11PCH06	11PCT06
8mm—5/16		11PCL08	11PCS08	11PCH08	11PCT08
10mm—3/8		11PCL10	11PCS10	11PCH10	11PCT10
12mm		11PCL12			
12.7mm-1/2			11PCS12.7	11PCH12.7	11PCT12.7
	1/4—8NB		11PCS14	11PCH14	11PCT14
16mm			11PCS16		
	3/8—10NB		11PCS17.2	11PCH17.2	
19mm—3/4			11PCS19	11PCH19	11PCT19
	1/2—15NB		11PCS21.3	11PCH21.3	
25mm—1			11PCS25	11PCH25	11PCT25
	3/4—20NB		11PCS26.9	11PCH26.9	
32mm—1¼				11PCH32	11PCT32
	1—25NB			11PCH33.7	
38mm—1½				11PCH38	
	1¼ - 32NB			11PCH42	
	1½ - 40NB			11PCH48	
50.8mm—2				11PCH50	
	2—50NB			11PCH60	

**PREMIUM QUALITY FULL THREADED - N.P. BRASS
F & F LEVER HANDLE - FULL BORE BALL VALVE**
AGA APPROVED UP TO 2"



**N.P. BRASS M. & F. T - HANDLE
FULL BORE BALL VALVE - PREMIUM QUALITY**
AGA APPROVED



CODE	BSP	BORE Ø	WORK PRESSURE	
235980-04	1/4	10mm	3000KPA 435PSI	
235980-06	3/8	10mm	3000KPA 435PSI	
235980-08	1/2	15mm	3000KPA 435PSI	
235980-12	3/4	20mm	3000KPA 435PSI	
235980-16	1	25mm	3000KPA 435PSI	
235980-20	1¼	32mm	2500KPA 360PSI	
235980-24	1½	40mm	2500KPA 360PSI	
235980-32	2	50mm	2500KPA 360PSI	
235980-40	2½	65mm	1600KPA 230PSI	
235980-48	3	80mm	1600KPA 230PSI	
235980-64	4	100mm	1600KPA 230PSI	

CODE	BSP	BORE Ø	WORK PRESSURE	
231721-04	1/4	10mm	3000KPA 435PSI	
231721-06	3/8	10mm	3000KPA 435PSI	
231721-08	1/2	15mm	3000KPA 435PSI	
231721-12	3/4	20mm	3000KPA 435PSI	
231721-16	1	25mm	3000KPA 435PSI	

**N.P. BRASS F & F MINI BALL
VALVE - PREMIUM QUALITY**



**N.P. BRASS M & F LEVER HANDLE
FULL BORE BALL VALVE - PREMIUM QUALITY**
AGA APPROVED



CODE	BSP	BORE Ø	WORK PRESSURE	
233830-02	1/8	5.5mm	1000KPA 145PSI	
233830-04	1/4	5.5mm	1000KPA 145PSI	
233830-06	3/8	8mm	1000KPA 145PSI	
233830-08	1/2	10mm	1000KPA 145PSI	



**N.P. BRASS M & F MINI BALL
VALVE - PREMIUM QUALITY**

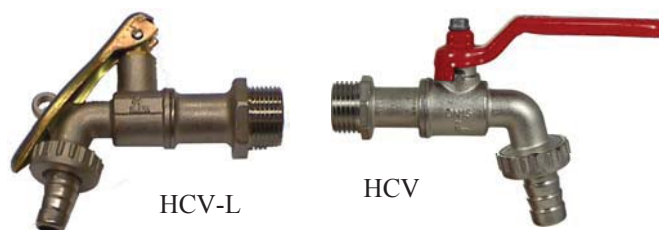
CODE	BSP	BORE Ø	WORK PRESSURE	
231701-04	1/4	10mm	3000KPA 435PSI	
231701-06	3/8	10mm	3000KPA 435PSI	
231701-08	1/2	15mm	3000KPA 435PSI	
231701-12	3/4	20mm	3000KPA 435PSI	
231701-16	1	25mm	3000KPA 435PSI	

CODE	BSP	BORE Ø	WORK PRESSURE	
233831-02	1/8	5.5mm	1000KPA 145PSI	
233831-04	1/4	5.5mm	1000KPA 145PSI	
233831-06	3/8	8mm	1000KPA 145PSI	
233831-08	1/2	10mm	1000KPA 145PSI	

**N.P. BRASS F. & F. T - HANDLE
FULL BORE BALL VALVE - PREMIUM QUALITY**
AGA APPROVED



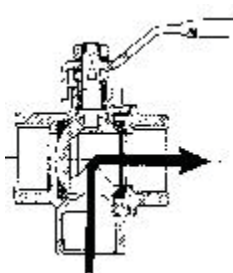
N.P. BRASS HOSE COCK BALL VALVE



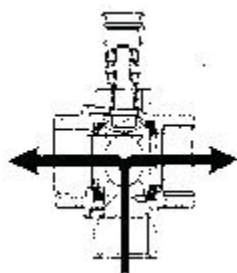
CODE	BSP	BORE Ø	WORK PRESSURE	
231720-04	1/4	10mm	3000KPA 435PSI	
231720-06	3/8	10mm	3000KPA 435PSI	
231720-08	1/2	15mm	3000KPA 435PSI	
231720-12	3/4	20mm	3000KPA 435PSI	
231720-16	1	25mm	3000KPA 435PSI	

CODE	BSP	HOSE ID	WORK PRESSURE	
23HCV08	1/2	15.5mm	3000KPA 435PSI	
23HCV08-L	1/2	15.5mm	3000KPA 435PSI	
23HCV12	3/4	20.5mm	3000KPA 435PSI	
23HVC12-L	3/4	15.5mm	3000KPA 435PSI	
23HCV16	1	25.5mm	3000KPA 435PSI	

N.P. BRASS BOTTOM ENTRY 3-WAY BALL VALVE "L" OR "T" PORT



L - PORT



T - PORT

CODE	BSP	BORE Ø	WORK PRESSURE	
23BEV()04	1/4	10mm	2500KPA	355PSI
23BEV()06	3/8	10mm	2500KPA	355PSI
23BEV()08	1/2	15mm	2500KPA	355PSI
23BEV()12	3/4	20mm	1600KPA	230PSI
23BEV()16	1	25mm	1600KPA	230PSI

ADD "L" OR "T" TO CODE NUMBER TO INDICATE PORTING
E.G. 23BEVL04

DELTA N.P. BRASS 3 - WAY SIDE ENTRY BALL VALVE "L" PORT ONLY.

Should you require "T" port side entry valves please ask our sales staff.



CODE	BSP	BORE Ø	WORK PRESSURE	
23D04	1/4	10mm	4000KPA	580PSI
23D06	3/8	10mm	4000KPA	580PSI
23D08	1/2	15mm	4000KPA	580PSI
23D12	3/4	20mm	4000KPA	580PSI
23D16	1	25mm	2500KPA	360PSI

CHECK VALVES

MINI CHECK VALVE

Aluminium Body

Available with NBR or Viton seal.



CODE	BSP	WORK PRESSURE		SEAL
23MCV02	1/8	1000KPA	145PSI	NBR
23MCVO2V	1/8	1000KPA	145PSI	VITON
23MCV04	1/4	1000KPA	145PSI	NBR
23MCV04V	1/4	1000KPA	145PSI	VITON
23MCV06	3/8	1000KPA	145PSI	NBR
23MCV06V	3/8	1000KPA	145PSI	VITON
23MCV08	1/2	1000KPA	145PSI	NBR
23MCV08V	1/2	1000KPA	145PSI	VITON

EUROPA CHECK VALVE

A more robust inline valve

CODE	SIZE	WORK PRESSURE
23CV100-06	3/8BSP	360PSI
23CV100-08	1/2BSP	360PSI
23CV100-12	3/4BSP	360PSI
23CV100-16	1in BSP	360PSI



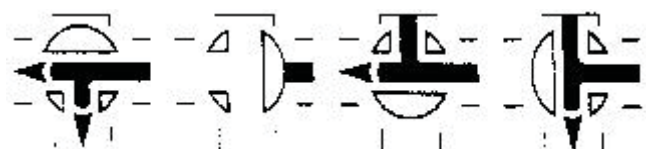
VALSTOP CHECK VALVE

With Viton Seal

CODE	BSP	WORK PRESSURE
23CV04V	1/4	4200KPA 600PSI
23CV06V	3/8	4200KPA 600PSI
23CV08V	1/2	4200KPA 600PSI
23CV12V	3/4	3100KPA 450PSI
23CV16V	1	3100KPA 450PSI



"L" PORT CONFIGURATION



"T" PORT CONFIGURATION

N.P. BRASS 3 - WAY BOTTOM ENTRY PANEL MOUNT BALL VALVE L-PORT

CODE:	23M5710
SIZE:	1/4 BSP
BORE:	8mm
WORK:	1000KPA



**N.P. BRASS F & F MINI
BALL VALVE**

CODE	BSP	BORE Ø	WORK PRESSURE		
29125-02	1/8	8mm	1540KPA	220PSI	
29125-04	1/4	8mm	1540KPA	220PSI	
29125-06	3/8	8mm	1540KPA	220PSI	
29125-08	1/2	10mm	1540KPA	220PSI	



**N.P. BRASS M & F MINI
BALL VALVE**



CODE	BSP	BORE Ø	WORK PRESSURE		
29126-02	1/8	8mm	1540KPA	220PSI	
29126-04	1/4	8mm	1540KPA	220PSI	
29126-06	3/8	8mm	1540KPA	220PSI	
29126-08	1/2	10mm	1540KPA	220PSI	

SWING CHECK VALVE BRASS

CODE	BSP	WORK PRESSURE		
29SCV06	3/8	1150KPA	170PSI	
29SCV08	1/2	1150KPA	170PSI	
29SCV12	3/4	1150KPA	170PSI	
29SCV16	1	1150KPA	170PSI	



“YORK” BRASS F&F CHECK VALVE



CODE	BSP	WORK PRESSURE		
29CV06	3/8	1150KPA	170PSI	
29CV08	1/2	1150KPA	170PSI	
29CV12	3/4	1150KPA	170PSI	
29CV16	1	1150KPA	170PSI	
29CV24	1½	950KPA	140PSI	
29CV32	2	950KPA	140PSI	

BRASS Y - TYPE STRAINER

CODE	BSP	HOLE Ø	HOLES/CM²	
29SY04	1/4	.40mm	150	
29YS06	3/8	.40mm	150	
29YS08	1/2	.40mm	150	
29YS12	3/4	.40mm	150	
29YS16	1	.40mm	150	
29YS20	1¼	.47mm	80	
29YS24	1½	.47mm	80	



LIGHT PATTERN BRASS GATE VALVE



CODE	BSP	WORK PRESSURE		
29155-08	1/2	825KPA	120PSI	
29155-12	3/4	825KPA	120PSI	
29155-16	1	825KPA	120PSI	
29155-20	1¼	825KPA	120PSI	
29155-24	1½	825KPA	120PSI	
29155-32	2	825KPA	120PSI	
29155-48	3	825KPA	120PSI	
29155-64	4	825KPA	120PSI	

BUTTERFLY VALVES—LEVER OPERATED**CAST IRON
WAFER TYPE
BUTTERFLY VALVE**

Stainless Steel Disc
EPDM Seal
Data Sheet Available on
Request



CODE	SIZE inch	SIZE mm
23BFLY-W-050	2 NB	50 NB
23BFLY-W-065	2½ NB	65 NB
23BFLY-W-080	3 NB	80 NB
23BFLY-W-100	4 NB	100 NB
23BFLY-W-150	6 NB	150 NB
23BFLY-W-200	8 NB	200 NB

CODE	SIZE inch	SIZE mm
23BFLY-L-050	2 NB	50 NB
23BFLY-L-065	2½ NB	65 NB
23BFLY-L-080	3 NB	80 NB
23BFLY-L-100	4 NB	100 NB
23BFLY-L-150	6 NB	150NB
23BFLY-L-200	8 NB	200 NB

**CAST IRON
LUGGED BUTTERFLY
VALVE**

Stainless Steel Disc
EPDM Seal
Data Sheet Available on
Request

**CAST IRON ACTUATED
WAFER TYPE
BUTTERFLY VALVE**

Stainless Steel Disc
EPDM Seal
Data Sheet Available on
Request

SINGLE ACTING - SPRING RETURN

CODE	SIZE inch	SIZE mm
23BFLY-WSR-050	2 NB	50 NB
23BFLY-WSR-065	2 1/2 NB	65NB
23BFLY-WSR-080	3 NB	80 NB
23BFLY-WSR-100	4 NB	100 NB

DOUBLE ACTING

23BFLY-WDA-050	2 NB	50 NB
23BFLY-WDA-065	2 1/2 NB	65NB
23BFLY-WDA-080	3 NB	80 NB
23BFLY-WDA-100	4 NB	100 NB

**CAST IRON ACTUATED
LUGGED BUTTERFLY
VALVE**

Stainless Steel Disc
EPDM Seal
Data Sheet Available on
Request

**SINGLE ACTING—SPRING RETURN**

CODE	SIZE inch	SIZE mm
23BFLY-LSR-050	2 NB	50 NB
23BFLY-LSR-065	2 1/2 NB	65NB
23BFLY-LSR-080	3 NB	80 NB
23BFLY-LSR-100	4 NB	100 NB

DOUBLE ACTING

23BFLY-LDA-050	2 NB	50 NB
23BFLY-LDA-065	2 1/2 NB	65NB
23BFLY-LDA-080	3 NB	80 NB
23BFLY-LDA-100	4 NB	100 NB

**CAST IRON
WAFER TYPE DUAL
FLAP CHECK VALVE**

Stainless Steel disc
EPDM Seal
Data Sheet Available on Request



CODE	SIZE inch	SIZE mm
23WCV050	2 NB	50 NB
23WCV065	2½ NB	65 NB
23WCV080	3 NB	80 NB
23WCV100	4 NB	100 NB
23WCV150	6 NB	150 NB
23WCV200	8 NB	200 NB

No. N.V.P.40 BARB NEEDLE VALVE 90°



CODE

	HOSE	BSP
04NVP400302	3/16	1/8
04NVP400402	1/4	1/8
04NVP400502	5/16	1/8
04NVP400504	5/16	1/4

No. N.V.P.42 BARB NEEDLE VALVE



CODE

	HOSE	BSP
04NVP420302	3/16	1/8
04NVP420402	1/4	1/8
04NVP420502	5/16	1/8
04NVP420504	5/16	1/4
04NVP420604	3/8	1/4

No. N.V.104 FEMALE BSP NEEDLE VALVE



CODE

	BSP
04NV10402	1/8
04NV10404	1/4

No. N.V.105 MALE BSP NEEDLE VALVE



CODE

	BSP
04NV10502	1/8
04NV10504	1/4

No. N.V.808 x 1/8 No. N.V.404 x 1/4 M & F NEEDLE VALVES



CODE

	BSP
04NV80802	1/8
04NV40404	1/4

No. N.V.50A MALE BSP NEEDLE VALVE 90°



CODE

	BSP	BSP
04NVA500202	1/8	1/8
04NVA500402	1/4	1/8
04NVA500404	1/4	1/4

No. DB1 BENT DRAIN COCK



CODE

	BSP
04DB102	1/8
04DB104	1/4
04DB106	3/8

No. DT3 DRAIN COCK



CODE

	BSP
04DT302	1/8
04DT304	1/4
04DT306	3/8

No. JT3 BARBED LEVER TAP



CODE

	HOSE	BSP
04JT30302	3/16	1/8
04JT30402	1/4	1/8
04JT30502	5/16	1/8
04JT30602	3/8	1/8

No. 104 FEMALE LEVER TAP



CODE

	BSP
04L10402	1/8
04L10404	1/4

No. 808 x 1/8 No. 404 x 1/4 M & F LEVER TAPS



CODE

	BSP
04L80802	1/8
04L40404	1/4

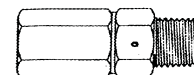
No. 30 DRAIN COCK



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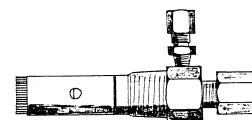
	BSP
04-D3002BSP	1/8
04-D3004BSP	1/4
04-D3006	3/8
04-D3008	1/2
04-D3002N	1/8NPT
04-D3004N	1/4NPT

LOAD GENIE



A range of load genie's are available, please consult our sales staff.

No. 108 NON RETURN VALVE



CODE

	TUBE	BSP
04NRV108	1/2	1/2

No. 106SV RELIEF VALVE

Recommended temperature range 10°C to 100°C.
Standard set pressure 11Bar.
1/4 and 1/2 are also available set
At 40, 60, 80, 100 and 120PSI
Add—40 etc to the part number



CODE

	BSP
04NSV10604	1/4
04NSV10604-__	(40,60,80,100,120)
04NSV10606	3/8
04NSV10608	1/2
04NSV10608-__	(40, 60,80,100,120)
04NSV10612	3/4

BOURKE VALVES

Air Safety Relief Valves

Ring Lift



Lever Lift



High Volume



Can be set to your requirements.
Test Certificates available.
Ask our Sales Staff for more information.

AIR TANK DRAIN VALVE



CODE

	NPT
04DV1421	1/4

Self sealing with 5ft remote cable.

24SS REDUCING BUSH



CODE	BSP	BSP
31SS24-0402	1/4	1/8
31SS24-0602	3/8	1/8
31SS24-0604	3/8	1/4
31SS24-0802	1/2	1/8
31SS24-0804	1/2	1/4
31SS24-0806	1/2	3/8
31SS24-1204	3/4	1/4
31SS24-1206	3/4	3/8
31SS24-1208	3/4	1/2
31SS24-1608	1	1/2
31SS24-1612	1	3/4
31SS24-2016	1 1/4	1
31SS24-2416	1 1/2	1
31SS24-2420	1 1/2	1 1/4
31SS24-3216	2	1
31SS24-3224	2	1 1/2
31SS24-4832	3	2

89SS HALF SOCKET



CODE	BSP
31SS89-08	1/2
31SS89-12	3/4
31SS89-16	1
31SS89-20	1 1/4
31SS89-24	1 1/2

33SS HEXAGON CAP



CODE	BSP
31SS33-02	1/8
31SS33-04	1/4
31SS33-06	3/8
31SS33-08	1/2
31SS33-12	3/4
31SS33-16	1
31SS33-20	1 1/4
31SS33-24	1 1/2
31SS33-32	2

27SS HEX NIPPLE



CODE	BSP
31SS27-02	1/8
31SS27-04	1/4
31SS27-06	3/8
31SS27-08	1/2
31SS27-12	3/4
31SS27-16	1
31SS27-20	1 1/4
31SS27-24	1 1/2
31SS27-32	2
31SS27-40	2 1/2
31SS27-48	3
31SS27-64	4

34SS F & F ELBOW



CODE	BSP
31SS34-02	1/8
31SS34-04	1/4
31SS34-06	3/8
31SS34-08	1/2
31SS34-12	3/4
31SS34-16	1
31SS34-20	1 1/4
31SS34-24	1 1/2
31SS34-32	2
31SS34-48	3
31SS34-64	4

25SS M&F ELBOW



CODE	BSP	BSP
31SS25-02	1/8	1/8
31SS25-04	1/4	1/4
31SS25-06	3/8	3/8
31SS25-08	1/2	1/2
31SS25-12	3/4	3/4
31SS25-16	1	1
31SS25-20	1 1/4	1 1/4
31SS25-24	1 1/2	1 1/2
31SS25-32	2	2
31SS25-40	2 1/2	2 1/2
31SS25-48	3	3
31SS25-64	4	4

29SS RED SOCKET



CODE	BSP	BSP
31SS29-0402	1/4	1/8
31SS29-0604	3/8	1/4
31SS29-0804	1/2	1/4
31SS29-0806	1/2	3/8
31SS29-1208	3/4	1/2
31SS29-1608	1	1/2
31SS29-1612	1	3/4

34SS—45° F & F ELBOW



CODE	BSP
31SS3445-04	1/4
31SS3445-06	3/8
31SS3445-08	1/2
31SS3445-12	3/4
31SS3445-16	1

25SS—45° M&F ELBOW



CODE	BSP	BSP
31SS2545-04	1/4	1/4
31SS2545-06	3/8	3/8
31SS2545-08	1/2	1/2
31SS2545-12	3/4	3/4
31SS2545-16	1	1

26SS ROUND SOCKET



CODE	BSP
31SS26-02	1/8
31SS26-04	1/4
31SS26-06	3/8
31SS26-08	1/2
31SS26-12	3/4
31SS26-16	1
31SS26-20	1 1/4
31SS26-24	1 1/2
31SS26-32	2
31SS26-40	2 1/2
31SS26-48	3
31SS26-64	4

30SS BARREL NIPPLE TBE



CODE	BSP
31SS30-08	1/2
31SS30-08-100	1/2 x 100mm
31SS30-08-150	1/2 x 150mm
31SS30-12	3/4
31SS30-12-100	3/4 x 100mm
31SS30-12-150	3/4 x 150mm
31SS30-16	1
31SS30-16-100	1 x 100mm
31SS30-16-150	1 x 150mm
31SS30-20	1 1/4
31SS30-24	1 1/2
31SS30-32	2

35SS FEMALE TEE



CODE	BSP
31SS35-02	1/8
31SS35-04	1/4
31SS35-06	3/8
31SS35-08	1/2
31SS35-12	3/4
31SS35-16	1
31SS35-20	1 1/4
31SS35-24	1 1/2
31SS35-32	2
31SS35-48	3

37SS CROSS



CODE	BSP
31SS37-04	1/4
31SS37-06	3/8
31SS37-08	1/2
31SS37-12	3/4
31SS37-16	1

64SS HEX PLUG



CODE	BSP
31SS64-02	1/8
31SS64-04	1/4
31SS64-06	3/8
31SS64-08	1/2
31SS64-12	3/4
31SS64-16	1
31SS64-20	1 1/4
31SS64-24	1 1/2
31SS64-32	2
31SS64-48	3
31SS64-64	4

91SS TUBE TOE NIPPLE



CODE	BSP
31SS91-08	1/2
31SS91-12	3/4
31SS91-16	1
31SS91-20	1 1/4
31SS91-24	1 1/2
31SS91-32	2
31SS91-40	2 1/2
31SS91-48	3
31SS91-64	4

72SS M & F ADAPTOR



CODE	BSPF	BSPM
31SS72-0402	1/4 x	1/8
31SS72-0404	1/4 x	1/4
31SS72-0604	3/8 x	1/4
31SS72-0606	3/8 x	3/8
31SS72-0804	1/2 x	1/4
31SS72-0806	1/2 x	3/8
31SS72-0808	1/2 x	1/2
31SS72-1206	3/4 x	3/8
31SS72-1208	3/4 x	1/2
31SS72-1608	1 x	1/2
31SS72-1612	1 x	3/4
31SS72-0204U	1/8BSP x 1/4UNF	
31SS72-02M0610	1/8BSPxM6 x 1.0	
31SS72-0404U	1/4BSP x 1/4UNF	
31SS72-04M0610	1/4BSP x M6 x 1.0	
31NRSS7201	1/4NPT x 1/8BSP	

74SS BSP LOCK NUT



CODE	BSP
31SS74-04	1/4
31SS74-06	3/8
31SS74-08	1/2
31SS74-12	3/4
31SS74-16	1

87SS M&F UNION



CODE	BSP
31SS87-04	1/4
31SS87-06	3/8
31SS87-08	1/2
31SS87-12	3/4
31SS87-16	1
31SS87-20	1 1/4
31SS87-24	1 1/2
31SS87-32	2

85SS F&F UNION



CODE	BSP
31SS85-04	1/4
31SS85-06	3/8
31SS85-08	1/2
31SS85-12	3/4
31SS85-16	1
31SS85-20	1 1/4
31SS85-24	1 1/2
31SS85-32	2

88SS TOE NIPPLE



CODE	BSP
31SS88-08	1/2
31SS88-12	3/4
31SS88-16	1
31SS88-20	1 1/4
31SS88-24	1 1/2
31SS88-32	2

P3SS HOSETAIL



CODE	HOSE ID	BSP
31SSP.30402	1/4	1/8
31SSP.30404	1/4	1/4
31SSP.30504	5/16	1/4
31SSP.30604	3/8	1/4
31SSP.30606	3/8	3/8
31SSP.30608	3/8	1/2
31SSP.30804	1/2	1/4
31SSP.30806	1/2	3/8
31SSP.30808	1/2	1/2
31SSP.31208	3/4	1/2
31SSP.31212	3/4	3/4
31SSP.31216	3/4	1
31SSP.31608	1	1/2
31SSP.31612	1	3/4
31SSP.31616	1	1
31SSP.31620	1	1 1/4
31SSP.31624	1	1 1/2
31SSP.32016	1 1/4	1
31SSP.32020	1 1/4	1 1/4
31SSP.32024	1 1/4	1 1/2
31SSP.32032	1 1/4	2
31SSP.32416	1 1/2	1
31SSP.32420	1 1/2	1 1/4
31SSP.32424	1 1/2	1 1/2
31SSP.32432	1 1/2	2
31SSP.33216	2	1
31SSP.33220	2	1 1/4
31SSP.33224	2	1 1/2
31SSP.33232	2	2
31SSP.34040	2 1/2	2 1/2
31SSP.34848	3	3
31SSP.36464	4	4

P7SS HOSE JOINER



CODE	HOSE ID
31SSP.704	1/4
31SSP.706	3/8
31SSP.708	1/2
31SSP.712	3/4
31SSP.716	1
31SSP.720	1 1/4
31SSP.724	1 1/2
31SSP.732	2

24SS REDUCING BUSH



CODE	NPT	NPT
31NSS24-0402	1/4	1/8
31NSS24-0602	3/8	1/8
31NSS24-0604	3/8	1/4
31NSS24-0802	1/2	1/8
31NSS24-0804	1/2	1/4
31NSS24-0806	1/2	3/8
31NSS24-1204	3/4	1/4
31NSS24-1206	3/4	3/8
31NSS24-1208	3/4	1/2
31NSS24-1608	1	1/2
31NSS24-1612	1	3/4
31NSS24-2016	1 1/4	1
31NSS24-2416	1 1/2	1
31NSS24-2420	1 1/2	1 1/4
31NSS24-3224	2	1 1/2

27SS HEX NIPPLE



CODE	NPT
31NSS27-02	1/8
31NSS27-04	1/4
31NSS27-06	3/8
31NSS27-08	1/2
31NSS27-12	3/4
31NSS27-16	1
31NSS27-20	1 1/4
31NSS27-24	1 1/2
31NSS27-32	2

29SS RED SOCKET



CODE	NPT	NPT
31NSS29-0806	1/2	3/8
31NSS29-1206	3/4	3/8
31NSS29-1208	3/4	1/2
31NSS29-1606	1	3/8
31NSS29-1608	1	1/2

33SS HEXAGON CAP



CODE	NPT
31NSS33-02	1/8
31NSS33-04	1/4
31NSS33-06	3/8
31NSS33-08	1/2
31NSS33-12	3/4
31NSS33-16	1
31NSS33-20	1 1/4
31NSS33-24	1 1/2
31NSS33-32	2

34SS F & F ELBOW



CODE	NPT
31NSS34-02	1/8
31NSS34-04	1/4
31NSS34-06	3/8
31NSS34-08	1/2
31NSS34-12	3/4
31NSS34-16	1
31NSS34-20	1 1/4
31NSS3408	1 1/2
31NSS3409	2

34SS—45° F & F ELBOW



CODE	NPT
31NSS3445-02	1/8
31NSS3445-04	1/4
31NSS3445-06	3/8
31NSS3445-08	1/2
31NSS3445-12	3/4
31NSS3445-16	1

35SS FEMALE TEE



CODE	NPT
31NSS35-02	1/8
31NSS35-04	1/4
31NSS35-06	3/8
31NSS35-08	1/2
31NSS35-12	3/4
31NSS35-16	1
31NSS35-20	1 1/4
31NSS35-24	1 1/2
31NSS35-32	2

64SS HEX PLUG



CODE	NPT
31NSS64-02	1/8
31NSS64-04	1/4
31NSS64-06	3/8
31NSS64-08	1/2
31NSS64-12	3/4
31NSS64-16	1

72SS M & F ADAPTOR



CODE	NPT	NPT
31NSS72-0604	3/8	x 1/4
NPT Fem BSPM		
31NSS72-F04NM04R	1/4	1/4

73SS HEX REDUCING NIPPLE



CODE	NPT	NPT
31NSS73-0402	1/4	1/8
31NSS73-0602	3/8	1/8
31NSS73-0604	3/8	1/4
31NSS73-0802	1/2	1/8
31NSS73-0804	1/2	1/4
31NSS73-0806	1/2	3/8
31NSS73-1204	3/4	1/4
31NSS73-1206	3/4	3/8
31NSS73-1208	3/4	1/2
31NSS73-1606	1	3/8

25SS M&F ELBOW



CODE	NPT	NPT
31NSS25-02	1/8	1/8
31NSS25-04	1/4	1/4
31NSS25-06	3/8	3/8
31NSS25-08	1/2	1/2
31NSS25-12	3/4	3/4
31NSS25-16	1	1
31NSS25-20	1 1/4	1 1/4
31NSS25-24	1 1/2	1 1/2
31NSS25-32	2	2

26SS ROUND SOCKET



CODE	NPT
31NSS26-02	1/8
31NSS26-04	1/4
31NSS26-06	3/8
31NSS26-08	1/2
31NSS26-12	3/4
31NSS26-16	1
31NSS26-20	1 1/4
31NSS26-24	1 1/2
31NSS26-32	2

ANSI 150 RAISED FACE
SLIP ON WELD FLANGE

CODE	SIZE INCH NB	SIZE MM NB
31SSFA-025	1	25
31SSFA-032	1½	32
31SSFA-040	1½	40
31SSFA-050	2	50
31SSFA-065	2½	65
31SSFA-080	3	80
31SSFA-100	4	100
31SSFA-125	5	125
31SSFA-150	6	150
31SSFA-200	8	200

ANSI 150 BLIND FLANGE



CODE	SIZE INCH NB	SIZE MM NB
31SSFAB-025	1	25
31SSFAB-032	1½	32
31SSFAB-040	1½	40
31SSFAB-050	2	50
31SSFAB-065	2½	65
31SSFAB-080	3	80
31SSFAB-100	4	100
31SSFAB-125	5	125
31SSFAB-150	6	150
31SSFAB-200	8	200

Table E SLIP ON WELD
PLATE FLANGE

CODE	SIZE INCH NB	SIZE MM NB
31SSFE-025	1	25
31SSFE-032	1½	32
31SSFE-040	1½	40
31SSFE-050	2	50
31SSFE-065	2½	65
31SSFE-080	3	80
31SSFE-100	4	100
31SSFE-125	5	125
31SSFE-150	6	150
31SSFE-200	8	200

Table E & D BLIND PLATE
FLANGE

TABLE E		
CODE	SIZE INCH NB	SIZE MM NB
31SSFEB-025	1	25
31SSFEB-032	1½	32
31SSFEB-040	1½	40
31SSFEB-050	2	50
31SSFEB-065	2½	65
31SSFEB-080	3	80
31SSFEB-100	4	100
31SSFEB-125	5	125
31SSFEB-150	6	150
31SSFEB-200	8	200
TABLE D		
31SSFDB-100	4	100
31SSFDB-125	5	125
31SSFDB-150	6	150

Table D SLIP ON WELD
PLATE FLANGE

CODE	SIZE INCH NB	SIZE MM NB
31SSFD-080	3	80
31SSFD-100	4	100
31SSFD-125	5	125
31SSFD-150	6	150

Table E & D & ANSI 150
SCREWED BSP FLANGE

TABLE E SCREWED BSP		
CODE	SIZE INCH NB	SIZE MM NB
31SSFES-025	1	25
31SSFES-032	1½	32
31SSFES-040	1½	40
31SSFES-050	2	50
31SSFES-065	2½	65
31SSFES-080	3	80
31SSFES-100	4	100
31SSFES-125	5	125
31SSFES-150	6	150
TABLE D SCREWED BSP		
31SSFDS-100	4	100
31SSFDS-125	5	125
31SSFDS-150	6	150
ANSI 150 SCREWED BSP		
31SSFAS-040	1½	40
31SSFAS-050	2	50
31SSFAS-065	2½	65
31SSFAS-080	3	80
31SSFAS-100	4	100

Table E TUBE SLIP ON
PLATE FLANGE

CODE	SIZE INCH NB	SIZE MM NB
31SSFTE-025	1	25
31SSFTE-032	1½	32
31SSFTE-040	1½	40
31SSFTE-050	2	50
31SSFTE-065	2½	65
31SSFTE-080	3	80
31SSFTE-100	4	100
31SSFTE-150	6	150

Table D TUBE SLIP ON PLATE FLANGE

CODE	SIZE INCH NB	SIZE MM NB
31SSFTD-100	4	100
31SSFTD-150	6	150

ANSI 150 TUBE SLIP ON PLATE FLANGE

CODE	SIZE INCH NB	SIZE MM NB
31SSFTA-040	1½	40
31SSFTA-050	2	50
31SSFTA-065	2½	65
31SSFTA-080	3	80

1 - PIECE STAINLESS STEEL REDUCED BORE BALL VALVE

316SS Body, ball, cap & stem.
Teflon seat, gasket & thrust



CODE	BSP	BORE Ø	WORK PRESSURE	
30SSRBV04	1/4	5mm	5500KPA 800PSI	
30SSRBV06	3/8	8mm	5500KPA 800PSI	
30SSRBV08	1/2	10mm	5500KPA 800PSI	
30SSRBV12	3/4	13mm	5500KPA 800PSI	
30SSRBV16	1	16mm	5500KPA 800PSI	
30SSRBV20	1 1/4	20mm	5500KPA 800PSI	
30SSRBV24	1 1/2	25mm	5500KPA 800PSI	
30SSRBV32	2	32mm	5500KPA 800PSI	

2 - PIECE 2000PSI STAINLESS STEEL FULL BORE BALL VALVE

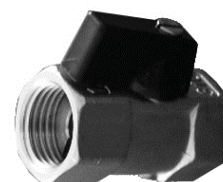
316SS Body, ball, cap & stem
Teflon seat, gasket & thrust
washer
All other parts 304SS



CODE	BSP	BORE Ø	WORK PRESSURE	
30SSHP2P04	1/4	11mm	13400KPA 2000PSI	
30SSHP2P06	3/8	13mm	13400KPA 2000PSI	
30SSHP2P08	1/2	16mm	13400KPA 2000PSI	
30SSHP2P12	3/4	20mm	13400KPA 2000PSI	

STAINLESS STEEL MINI BALL VALVE

CODE	BSP		
30SSM04FF	1/4	F&F	
30SSM06FF	3/8	F&F	
30SSM08FF	1/2	F&F	
30SSM12FF	3/4	F&F	
30SSM04MF	1/4	M&F	
30SSM06MF	3/8	M&F	



STAINLESS STEEL DEADMAN VALVE



CODE	BSP	
30SSDM2208	1/2	
30SSDM2212	3/4	
30SSDM2216	1	
30SSDM2220	1 1/4	
30SSDM2224	1 1/2	
30SSDM2232	2	

STAINLESS STEEL COIL SPRING DEADMAN VALVE

CODE	BSP	
30SSCDM08	1/2	
30SSCDM12	3/4	
30SSCDM16	1	



2 - PIECE STAINLESS STEEL FULL BORE BALL VALVE

316SS Body, ball, cap & stem
Teflon seat, gasket & thrust
washer
All other parts 304SS

CODE	BSP	BORE Ø	WORK PRESSURE	
30SS2P04	1/4	11mm	6700KPA 1000PSI	
30SS2P06	3/8	13mm	6700KPA 1000PSI	
30SS2P08	1/2	16mm	6700KPA 1000PSI	
30SS2P12	3/4	20mm	6700KPA 1000PSI	
30SS2P16	1	25mm	6700KPA 1000PSI	
30SS2P20	1 1/4	32mm	6700KPA 1000PSI	
30SS2P24	1 1/2	38mm	6700KPA 1000PSI	
30SS2P32	2	51mm	6700KPA 1000PSI	



3 - PIECE STAINLESS STEEL FULL BORE BALL VALVE

316SS Body, ball, cap & stem.
Teflon seat, gasket & thrust washer.
All other parts 304ss.

CODE	BSP	BORE Ø	WORK PRESSURE	
30SS3P04	1/4	11.6mm	6700KPA 1000PSI	
30SS3P06	3/8	12.7mm	3700KPA 1000PSI	
30SS3P08	1/2	16mm	6700KPA 1000PSI	
30SS3P12	3/4	20mm	6700KPA 1000PSI	
30SS3P16	1	25mm	6700KPA 1000PSI	
30SS3P20	1 1/4	32mm	6700KPA 1000PSI	
30SS3P24	1 1/2	38mm	6700KPA 1000PSI	
30SS3P32	2	51mm	6700KPA 1000PSI	
30SS3P48	3		3500KPA 500PSI	

ACTUATED STAINLESS STEEL BALL VALVES

CODE	BSP	Acting	VALVE
30SS-77DA-08	1/2	Double	3 piece
30SS-77DA-12	3/4	Double	3 Piece
30SS-77DA-16	1	Double	3 Piece
30SS-77DA-20	1 1/4	Double	3 Piece
30SS-77DA-24	1 1/2	Double	3 Piece
30SS-77DA-32	2	Double	3 Piece

30SS-77SR-08	1/2	Spring Return	3 Piece
30SS-77SR-12	3/4	Spring Return	3 Piece
30SS-77SR-16	1	Spring Return	3 Piece
30SS-77SR-20	1 1/4	Spring Return	3 Piece
30SS-77SR-24	1 1/2	Spring Return	3 Piece
30SS-77SR-32	2	Spring Return	3 Piece

STAINLESS STEEL 6000PSI BALL VALVE

CODE	BSP
30SSHPBV04	1/4
30SSHPBV06	3/8
30SSHPBV08	1/2

STAINLESS STEEL
3-WAY L - PORT
VALVES

Also available in T-Port,
Please ask our sales staff.



CODE	BSP	PORT	WORK PRESSURE
30SS3W04L	1/4	L	5500KPA 800PSI
30SS3W08L	1/2	L	5500KPA 800PSI
30SS3W12L	3/4	L	5500KPA 800PSI
30SS3W16L	1	L	5500KPA 800PSI

STAINLESS STEEL NEEDLE VALVES—6000 PSI

CODE	BSP
30SSNV04	1/4
30SSNV06	3/8
30SSNV08	1/2
30SSNV12	3/4
30SSNV16	1

STAINLESS STEEL GATE VALVE

CODE	BSP
30SSGV08	1/2
30SSGV12	3/4
30SSGV16	1
30SSGV20	1 1/4
30SSGV24	1 1/2
30SSGV32	2

STAINLESS STEEL SPRING CHECK VALVE

CODE	BSP
30SSSPV04	1/4
30SSSPV06	3/8
30SSSPV08	1/2
30SSSPV12	3/4
30SSSPV16	1

STAINLESS STEEL SWING CHECK VALVE

CODE	BSP
30SSSCV08	1/2
30SSSCV12	3/4
30SSSCV16	1

STAINLESS STEEL Y-TYPE
STRAINER

CODE	BSP
30SSYS04	1/4
30SSYS06	3/8
30SSYS08	1/2
30SSYS12	3/4
30SSYS16	1

STAINLESS STEEL GLOBE VALVE

CODE	BSP
30SSGLO-15R	1/2
30SSGLO-20R	3/4
30SSGLO-25R	1
30SSGLO-32R	1 1/4
30SSGLO-40R	1 1/2
30SSGLO-50R	2



FIRESAFE
3 - PIECE STAINLESS
STEEL FULL BORE
BALL VALVE

Certified to API 607

316SS Body

Data Sheet Available on request



CODE	NPT	WORK PRESSURE
30SSFS04	1/4	2016 PSI Max
30SSFS06	3/8	2016 PSI Max
30SSFS08	1/2	2016 PSI Max
30SSFS12	3/4	2016 PSI Max
30SSFS16	1	2016 PSI Max
30SSFS20	1 1/4	2016 PSI Max
30SSFS24	1 1/2	2016 PSI Max
30SSFS32	2	2016 PSI Max

2 - PIECE STAINLESS
STEEL BALL VALVE
FLANGED
ANSI 150

Data Sheet Available on Request



CODE	SIZE inch	SIZE mm
30SSBV025-150	1 NB	25 NB
30SSBV040-150	1 1/2 NB	40 NB
30SSBV050-150	2 NB	50 NB
30SSBV065-150	2 1/2 NB	65 NB
30SSBV080-150	3 NB	80 NB
30SSBV100-150	4 NB	100 NB
30SSBV150-150	6 NB	150 NB

Also available with T/E or T/D drilling in most sizes.

STAINLESS STEEL GLOBE
VALVE FLANGED
ANSI 150

Data Sheet Available on request



CODE	SIZE inch	SIZE mm
30SSGL015-150	1/2 NB	15 NB
30SSGL020-150	3/4 NB	20 NB
30SSGL025-150	1 NB	25 NB
30SSGL040-150	1 1/2 NB	40 NB
30SSGL050-150	2 NB	50 NB
30SSGL080-150	3 NB	80 NB

STAINLESS STEEL GATE
VALVE FLANGED ANSI 150

Data sheet Available on Request



CODE	SIZE inch	SIZE mm
30SSGV050-150	2 NB	50 NB
30SSGV065-150	2 1/2 NB	65 NB
30SSGV080-150	3 NB	80 NB
30SSGV100-150	4 NB	100 NB

STAINLESS STEEL
WAFER TYPE DUAL
FLAP CHECK VALVE

Data Sheet Available on Request



CODE	SIZE inch	SIZE mm
30SSDFW040	1 1/2 NB	40 NB
30SSDFW050	2 NB	50 NB
30SSDFW065	2 1/2 NB	65 NB
30SSDFW080	3 NB	80 NB
30SSDFW100	4 NB	100 NB
30SSDFW150	6 NB	150 NB
30SSDFW200	8 NB	200 NB

STAINLESS STEEL
WAFER TYPE
SWING CHECK VALVE

Data Sheet Available on Request



CODE	SIZE inch	SIZE mm
30SSSC-W040	1 1/2 NB	40 NB
30SSSC-W050	2 NB	50 NB
30SSSC-W065	2 1/2 NB	65 NB
30SSSC-W080	3 NB	80 NB
30SSSC-W100	4 NB	100 NB

STAINLESS STEEL Y-TYPE
STRAINER FLANGED ANSI 150

Data Sheet Available on Request



CODE	SIZE inch	SIZE mm
30SSY050-150	2 NB	50 NB
30SSY065-150	2 1/2 NB	65 NB
30SSY080-150	3 NB	80 NB
30SSY100-150	4 NB	100 NB
30SSY150-150	6 NB	150 NB

HOW TO ORDER

EXAMPLE:

SMC
FITTING TYPE
(MALE CONNECTOR)
SMC

4
TUBE SIZE
(IN SIXTEENTHS)
1/4

4
THREAD SIZE
(IN SIXTEENTHS)
1/4

R
PIPE THREAD
R= B.S.P.
N= N.P.T.

SS
MATERIAL
SS = 316SS
B = Brass

SMC MALE CONNECTOR



CODE	TUBE	THREAD	S/S	BRASS
44-SMC-2-2	1/8	1/8		
44-SMC-2-4	1/8	1/4		
44-SMC-3-2	3/16	1/8		
44-SMC-4-2	1/4	1/8		
44-SMC-4-4	1/4	1/4		
44-SMC-4-6	1/4	3/8		
44-SMC-4-8	1/4	1/2		
44-SMC-5-2	5/16	1/8		
44-SMC-5-4	5/16	1/4		
44-SMC-6-2	3/8	1/8		
44-SMC-6-4	3/8	1/4		
44-SMC-6-6	3/8	3/8		
44-SMC-6-8	3/8	1/2		
44-SMC-8-4	1/2	1/4		
44-SMC-8-6	1/2	3/8		
44-SMC-8-8	1/2	1/2		
44-SMC-10-8	5/8	1/2		
44-SMC-12-8	3/4	1/2		
44-SMC-12-12	3/4	3/4		
44-SMC-16-12	1	3/4		
44-SMC-16-16	1	1		

SME MALE ELBOW



CODE	TUBE	THREAD	S/S	BRASS
44-SME-2-2	1/8	1/8		
44-SME-3-2	3/16	1/8		
44-SME-4-2	1/4	1/8		
44-SME-4-4	1/4	1/4		
44-SME-4-6	1/4	3/8		
44-SME-4-8	1/4	1/2		
44-SME-5-2	5/16	1/8		
44-SME-5-4	5/16	1/4		
44-SME-6-2	3/8	1/8		
44-SME-6-4	3/8	1/4		
44-SME-6-6	3/8	3/8		
44-SME-6-8	3/8	1/2		
44-SME-8-4	1/2	1/4		
44-SME-8-6	1/2	3/8		
44-SME-8-8	1/2	1/2		
44-SME-10-8	5/8	1/2		
44-SME-12-8	3/4	1/2		
44-SME-12-12	3/4	3/4		
44-SME-16-12	1	3/4		
44-SME-16-16	1	1		

SU TUBE UNION



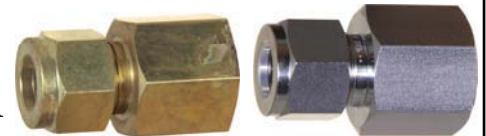
CODE	TUBE	S/S	BRASS
44-SU-2	1/8		
44-SU-3	3/16		
44-SU-4	1/4		
44-SU-5	5/16		
44-SU-6	3/8		
44-SU-8	1/2		
44-SU-10	5/8		
44-SU-12	3/4		
44-SU-16	1		

SRU REDUCING TUBE UNION



CODE	TUBE	TUBE	S/S	BRASS
44-SRU-4-2	1/4	1/8		
44-SRU-6-4	3/8	1/4		
44-SRU-8-4	1/2	1/4		
44-SRU-8-6	1/2	3/8		

SFC FEMALE CONNECTOR



CODE	TUBE	THREAD	S/S	BRASS
44-SFC-2-2	1/8	1/8		
44-SFC-4-2	1/4	1/8		
44-SFC-4-4	1/4	1/4		
44-SFC-5-4	5/16	1/4		
44-SFC-6-4	3/8	1/4		
44-SFC-6-6	3/8	3/8		
44-SFC-8-4	1/2	1/4		
44-SFC-8-6	1/2	3/8		
44-SFC-8-8	1/2	1/2		
44-SFC-10-8	5/8	1/2		
44-SFC-12-8	3/4	1/2		
44-SFC-12-12	3/4	3/4		
44-SFC-16-12	1	3/4		
44-SFC-16-16	1	1		

SBHU BULKHEAD UNION



CODE	TUBE	S/S	BRASS
44-SBHU-2	1/8		
44-SBHU-3	3/16		
44-SBHU-4	1/4		
44-SBHU-5	5/16		
44-SBHU-6	3/8		
44-SBHU-8	1/2		
44-SBHU-10	5/8		
44-SBHU-12	3/4		
44-SBHU-16	1		

**SBMC
MALE BULKHEAD
CONNECTOR**


CODE	TUBE	THREAD	S/S	BRASS
44-SBMC-4-2 _ _	1/4	1/8		
44-SBMC-4-4 _ _	1/4	1/4		
44-SBMC-6-4 _ _	3/8	1/4		
44-SBMC-8-6 _ _	1/2	3/8		
44-SBMC-8-8 _ _	1/2	1/2		

**SBFC
FEMALE
BULKHEAD
CONNECTOR**


CODE	TUBE	THREAD	S/S	BRASS
44-SBFC-4-2 _ _	1/4	1/8		
44-SBFC-4-4 _ _	1/4	1/4		
44-SBFC-6-4 _ _	3/8	1/4		
44-SBFC-8-6 _ _	1/2	3/8		
44-SBFC-8-8 _ _	1/2	1/2		

**SEU
UNION ELBOW**


CODE	TUBE	S/S	BRASS
44-SUE-2- _ _	1/8		
44-SUE-3- _ _	3/16		
44-SUE-4- _ _	1/4		
44-SUE-5- _ _	5/16		
44-SUE-6- _ _	3/8		
44-SUE-8- _ _	1/2		
44-SUE-10- _ _	5/8		
44-SUE-12- _ _	3/4		
44-SUE-16- _ _	1		

**SFE
FEMALE
ELBOW**


CODE	TUBE	THREAD	S/S
44-SFE-4-2 _ _	1/4	1/8	
44-SFE-4-4 _ _	1/4	1/4	
44-SFE-6-4 _ _	3/8	1/4	
44-SFE-8-6 _ _	1/2	3/8	
44-SFE-8-8 _ _	1/2	1/2	

**SUT
UNION
TEE**


CODE	TUBE
44-SUT-2 _ _	1/8
44-SUT-3 _ _	3/16
44-SUT-4 _ _	1/4
44-SUT-5 _ _	5/16
44-SUT-6 _ _	3/8
44-SUT-8 _ _	1/2
44-SUT-10 _ _	5/8
44-SUT-12 _ _	3/4
44-SUT-16 _ _	1

**SMBT
MALE
BRANCH
TEE**


CODE	TUBE	THREAD	S/S	BRASS
44-SMBT-4-2 _ _	1/4	1/8		
44-SMBT-4-4 _ _	1/4	1/4		
44-SMBT-6-4 _ _	3/8	1/4		
44-SMBT-6-6 _ _	3/8	3/8		
44-SMBT-8-6 _ _	1/2	3/8		
44-SMBT-8-8 _ _	1/2	1/2		

**SMRT
MALE
RUN TEE**


CODE	TUBE	THREAD	S/S	BRASS
44-SMRT-4-2 _ _	1/4	1/8		
44-SMRT-4-4 _ _	1/4	1/4		
44-SMRT-6-4 _ _	3/8	1/4		
44-SMRT-6-6 _ _	3/8	3/8		
44-SMRT-8-6 _ _	1/2	3/8		
44-SMRT-8-8 _ _	1/2	1/2		

**SFS FERRULE
SETS**


CODE	TUBE	S/S	BRASS
44-SFS-02 _ _	1/8		
44-SFS-03 _ _	3/16		
44-SFS-04 _ _	1/4		
44-SFS-05 _ _	5/16		
44-SFS-06 _ _	3/8		
44-SFS-08 _ _	1/2		
44-SFS-10 _ _	5/8		
44-SFS-12 _ _	3/4		

OTHER TYPES AND SIZES AVAILABLE ON REQUEST


TYPE A

Male adaptor x female thd.

**ALUMINIUM**

Code	Size
38AL15A	15mm
38AL20A	20mm
38AL25A	25mm
38AL32A	32mm
38AL40A	40mm
38AL50A	50mm
38AL65A	65mm
38AL80A	80mm
38AL100A	100mm
38AL125A	125mm
38AL150A	150mm

STAINLESS

Code	Size
38SS20A	20mm
38SS25A	25mm
38SS32A	32mm
38SS40A	40mm
38SS50A	50mm
38SS65A	65mm
38SS80A	80mm
38SS100A	100mm

POLYPROPYLENE

Code	Size
38PP15A	15mm
38PP20A	20mm
38PP25A	25mm
38PP32A	32mm
38PP40A	40mm
38PP50A	50mm
38PP80A	80mm
38PP100A	100mm

TYPE B

Female coupler x male thd.

**ALUMINIUM**

Code	Size
38AL20B	20mm
38AL25B	25mm
38AL32B	32mm
38AL40B	40mm
38AL50B	50mm
38AL65B	65mm
38AL80B	80mm
38AL100B	100mm
38AL125B	125mm

STAINLESS

Code	Size
38SS20B	20mm
38SS25B	25mm
38SS32B	32mm
38SS40B	40mm
38SS50B	50mm
38SS65B	65mm
38SS80B	80mm
38SS100B	100mm

POLYPROPYLENE

Code	Size
38PP15B	15mm
38PP20B	20mm
38PP25B	25mm
38PP32B	32mm
38PP40B	40mm
38PP50B	50mm
38PP80B	80mm

TYPE C Female coupler
x hose shank**ALUMINIUM**

Code	Size
38AL20C	20mm
38AL25C	25mm
38AL32C	32mm
38AL40C	40mm
38AL50C	50mm
38AL65C	65mm
38AL80C	80mm
38AL100C	100mm
38AL125C	125mm

STAINLESS

Code	Size
38SS15C	15mm
38SS20C	20mm
38SS25C	25mm
38SS32C	32mm
38SS40C	40mm
38SS50C	50mm
38SS65C	65mm
38SS80C	80mm
38SS100C	100mm

POLYPROPYLENE

Code	Size
38PP15C	15mm
38PP20C	20mm
38PP25C	25mm
38PP32C	32mm
38PP40C	40mm
38PP50C	50mm
38PP80C	80mm

TYPE D

Female coupler x female thd

**ALUMINIUM**

Code	Size
38AL15D	15mm
38AL20D	20mm
38AL25D	25mm
38AL32D	32mm
38AL40D	40mm
38AL50D	50mm
38AL65D	65mm
38AL80D	80mm
38AL100D	100mm
38AL125D	125mm
38AL150D	150mm

STAINLESS

Code	Size
38SS15D	15mm
38SS20D	20mm
38SS25D	25mm
38SS32D	32mm
38SS40D	40mm
38SS50D	50mm
38SS65D	65mm
38SS80D	80mm
38SS100D	100mm

POLYPROPYLENE

Code	Size
38PP15D	15mm
38PP20D	20mm
38PP25D	25mm
38PP32D	32mm
38PP40D	40mm
38PP50D	50mm
38PP80D	80mm
38PP100D	100mm

TYPE E

Male adaptor x hose shank

**ALUMINIUM**

Code	Size
38AL20E	20mm
38AL25E	25mm
38AL32E	32mm
38AL40E	40mm
38AL50E	50mm
38AL65E	65mm
38AL80E	80mm
38AL100E	100mm
38AL125E	125mm

STAINLESS

Code	Size
38SS20E	20mm
38SS25E	25mm
38SS32E	32mm
38SS40E	40mm
38SS50E	50mm
38SS65E	65mm
38SS80E	80mm
38SS100E	100mm

POLYPROPYLENE

Code	Size
38PP15E	15mm
38PP20E	20mm
38PP25E	25mm
38PP32E	32mm
38PP40E	40mm
38PP50E	50mm
38PP80E	80mm
38PP100E	100mm

TYPE F

Male adaptor x male thd.

**ALUMINIUM**

Code	Size
38AL20F	20mm
38AL25F	25mm
38AL32F	32mm
38AL40F	40mm
38AL50F	50mm
38AL65F	65mm
38AL80F	80mm
38AL100F	100mm
38AL125F	125mm

STAINLESS

Code	Size
38SS15F	15mm
38SS20F	20mm
38SS25F	25mm
38SS32F	32mm
38SS40F	40mm
38SS50F	50mm
38SS65F	65mm
38SS80F	80mm
38SS100F	100mm
38AL150F	150mm

POLYPROPYLENE

Code	Size
38PP15F	15mm
38PP20F	20mm
38PP25F	25mm
38PP32F	32mm
38PP40F	40mm
38PP50F	50mm
38PP80F	80mm
38PP100F	100mm

TYPE DC

Dust cap

**ALUMINIUM**

Code	Size
38AL20DC	20mm
38AL25DC	25mm
38AL32DC	32mm
38AL40DC	40mm
38AL50DC	50mm
38AL65DC	65mm
38AL80DC	80mm
38AL100DC	100mm
38AL125DC	125mm

STAINLESS

Code	Size
38SS20DC	20mm
38SS25DC	25mm
38SS32DC	32mm
38SS40DC	40mm
38SS50DC	50mm
38SS65DC	65mm
38SS80DC	80mm
38SS100DC	100mm

POLYPROPYLENE

Code	Size
38PP15DC	15mm
38PP20DC	20mm
38PP25DC	25mm
38PP32DC	32mm
38PP40DC	40mm
38PP50DC	50mm
38PP80DC	80mm
38PP100DC	100mm

TYPE DP

Dust plug

**ALUMINIUM**

Code	Size
38AL20DP	20mm
38AL25DP	25mm
38AL32DP	32mm
38AL40DP	40mm
38AL50DP	50mm
38AL65DP	65mm
38AL80DP	80mm
38AL100DP	100mm
38AL125DP	125mm
38AL150DP	150mm
38AL200DP	200mm

STAINLESS

Code	Size
38SS20DP	20mm
38SS25DP	25mm
38SS32DP	32mm
38SS40DP	40mm
38SS50DP	50mm
38SS65DP	65mm
38SS80DP	80mm
38SS100DP	100mm

POLYPROPYLENE

Code	Size
38PP15DP	15mm
38PP20DP	20mm
38PP25DP	25mm
38PP32DP	32mm
38PP40DP	40mm
38PP50DP	50mm
38PP80DP	80mm
38PP100DP	100mm

No. 24BS REDUCING BUSH


CODE	BSP	BSP
19BS24-0402	1/4	1/8
19BS24-0602	3/8	1/8
19BS24-0604	3/8	1/4
19BS24-0804	1/2	1/4
19BS24-0806	1/2	3/8
19BS24-1204	3/4	1/4
19BS24-1206	3/4	3/8
19BS24-1208	3/4	1/2
19BS24-1604	1	1/4
19BS24-1606	1	3/8
19BS24-1608	1	1/2
19BS24-1612	1	3/4
19BS24-2012	1-1/4	3/4
19BS24-2016	1-1/4	1
19BS24-2408	1-1/2	1/2
19BS24-2412	1-1/2	3/4
19BS24-2416	1-1/2	1
19BS24-2420	1-1/2	1-1/4
19BS24-3212	2	3/4
19BS24-3216	2	1
19BS24-3220	2	1-1/4
19BS24-3224	2	1-1/2

No. 27BS HEX NIPPLE


CODE	BSP
19BS27-02	1/8
19BS27-04	1/4
19BS27-06	3/8
19BS27-08	1/2
19BS27-12	3/4
19BS27-16	1
19BS27-20	1-1/4
19BS27-24	1-1/2
19BS27-32	2
19BS27-40	2-1/2
19BS27-48	3
19BS27-64	4

No. 29BS REDUCING SOCKET


CODE	BSP	BSP
19BS29-0604	3/8	1/4
19BS29-0804	1/2	1/4
19BS29-0806	1/2	3/8
19BS29-1208	3/4	1/2
19BS29-1612	1	3/4
19BS29-2016	1-1/4	1
19BS29-2416	1-1/2	1
19BS29-2420	1-1/2	1-1/4

No. 33BS CAP


CODE	BSP
19BS33-08	1/2
19BS33-12	3/4
19BS33-16	1
19BS33-20	1-1/4
19BS33-24	1-1/2
19BS33-32	2

No. 34BS F & F ELBOW


CODE	BSP
19BS34-02	1/8
19BS34-04	1/4
19BS34-06	3/8
19BS34-08	1/2
19BS34-12	3/4
19BS34-16	1
19BS34-20	1-1/4
19BS34-24	1-1/2
19BS34-32	2

No. 35BS FEMALE TEE


CODE	BSP
19BS35-02	1/8
19BS35-04	1/4
19BS35-06	3/8
19BS35-08	1/2
19BS35-12	3/4
19BS35-16	1
19BS35-20	1-1/4
19BS35-24	1-1/2
19BS35-32	2

No. 64BS HEX PLUG


CODE	BSP
19BS64-02	1/8
19BS64-04	1/4
19BS64-06	3/8
19BS64-08	1/2
19BS64-12	3/4
19BS64-16	1
19BS64-20	1-1/4
19BS64-24	1-1/2
19BS64-32	2
19BS64-48	3

No. 73BS REDUCING NIPPLE


CODE	BSP	BSP
19BS73-0402	1/4	1/8
19BS73-0604	3/8	1/4
19BS73-0804	1/2	1/4
19BS73-0806	1/2	3/8
19BS73-1206	3/4	3/8
19BS73-1208	3/4	1/2
19BS73-1608	1	1/2
19BS73-1612	1	3/4
19BS73-2016	1-1/4	1
19BS73-2416	1-1/2	1
19BS73-2420	1-1/2	1-1/4
19BS73-3216	2	1
19BS73-3220	2	1-1/4
19BS73-3224	2	1-1/2

No. 26BS ROUND SOCKET


CODE	BSP
19BS26-02	1/8
19BS26-04	1/4
19BS26-06	3/8
19BS26-08	1/2
19BS26-12	3/4
19BS26-16	1
19BS26-20	1-1/4
19BS26-24	1-1/2
19BS26-32	2
19BS26-40	2-1/2
19BS26-48	3
19BS26-64	4

No. 85BS F&F STEEL TO STEEL SEAT UNION


CODE	BSP
19BS85-08	1/2
19BS85-12	3/4
19BS85-16	1
19BS85-20	1-1/4
19BS85-24	1-1/2
19BS85-32	2

We have a range of Nylon fittings as shown below. Category 9
Please contact our sales staff for details.

P3N Hosetail



P6N male elbow

P7N hose joiner



P11N Hose elbow

P14N Hose tee



No. 24N REDUCING BUSH

No. 26N SOCKET



No. 27N HEX NIPPLE

No. 64N HEX PLUG

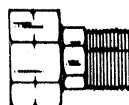


No. 73N REDUCING HEX NIPPLE

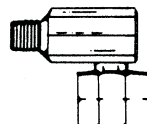
LPG CYLINDER AND APPLIANCE ADAPTORS

CAT 50

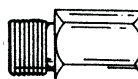
AC03
1/4 BSP MALE X 3/8 LH FEM SWIVEL
CODE
50AC03



AC03A
1/4 BSP MALE X 3/8 LH FEM SWIVEL 90°
CODE
50AC03A



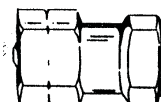
AC04
3/8 LH MALE X 1/4 BSP FEM.
CODE
50AC04



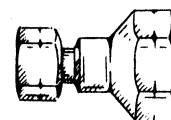
AC04A
3/8 LH MALE X 1/4 BSP MALE.
CODE
50AC04A



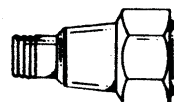
AC09
3/8 LH FEM SWIVEL X PRIMUS FEMALE.
CODE
50AC09



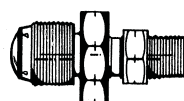
AC10
3/8 LH FEM SWIVEL X POL FEM
CODE
50AC10



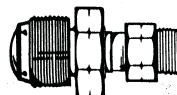
AC17A
1/4 BSP MALE X PRIMUS FEM.
CODE
50AC17A



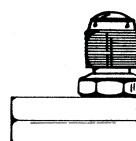
AC18
POL NUT & BULLNOSE 1/4 BSP
CODE
50AC18



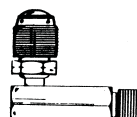
AC19A
POL TO 3/8 LH MALE
CODE
50AC19A



AC23
POL TO PRIMUS FEM 90°
CODE
50AC23



AC24
POL TO 3/8 LH MALE 90°
CODE
50AC24



AC36FS
5/8 UNF (3/8 Flare) M&F Swivel elbow.
CODE
50AC36FS



AC57 & 58

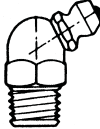
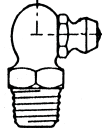
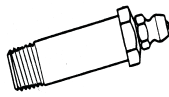
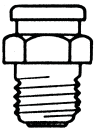


CODE DESCRIPTION
50AC57 3/8BSP male flare x 1/4BSP fem
50AC58 5/8UNF male flare x 1/4BSP fem

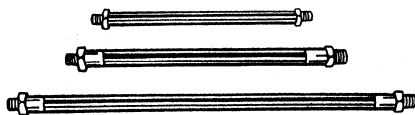
AC72



CODE DESCRIPTION
50AC72-0604 5/8UNF Fem flare x 1/4BSPT
50AC72-0606 5/8UNF Fem flare x 3/8BSPT

													
		STRAIGHT		45°		67½°		90°		LONG SERIES		BUTTON HEAD	
		PART No.		PART No.		PART No.		PART No.		PART No.		PART No.	EACH
B S P	1/8	L29		LA34		LA39		LA44				LT46	
	1/4	L48		LA52		LA56		LA60				LT52	
N P T	1/8	L28		LA138		LA37		LA43		LB24			
	1/4	L47		LA51		LA55		LA59					
U N F	1/4	L185		LA187		LA188		LA189		L114			
	5/16	L190		LA192		LA193		LA194					
	3/8	L195		LA197		LA198		LA199					
B S F	1/4	L1		LA5		LA8		LA10		L113			
	5/16	L12		LA16		LA20		LA24					
M E T R I C	6 x 1mm	L161		LA168				LA165					
	8 x 1mm	L162		LA172				LA169					
	8 x 1.5mm	L15		LA19				LA27					
	10 x 1mm	L200		LA203				LA204					
B S W	1/4	L2		LA6		LA9		LA11					
	5/16	L13											
DRIVE	3/16	L645BC											
	1/4	L77NC											
FIT	1/4	L78BC											

OTHER TYPES AND SIZES AVAILABLE ON REQUEST

RYCO FLEXIBLE GREASE GUN EXTENSIONS

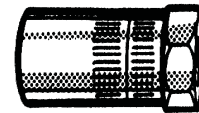
CODE	LENGTH	
	INCH	MM
12R4100	10	255
12R4200	15	380
12R4101	18	460
12R4201	24	610

HOSES HAVE 1/8 BSP MALE BOTH ENDS
AND ARE MADE FROM HIGH PRESSURE
WIRE BRAIDED HYDRAULIC HOSE.

FLEXIBLE GREASE GUN EXTENSIONS

CODE	DESCRIPTION
12R4008	8in x 1/8BSP Flex Hose
12R4010	10in x 1/8BSP Flex Hose
12R4012	12in x 1/8BSP Flex Hose
12R4015	15in x 1/8BSP Flex Hose
12R4018	18in x 1/8BSP Flex Hose
12R4024	24in x 1/8BSP Flex Hose

Hoses are made from braided nylon hose and have 1/8BSP
male threads on each end.

GREASE GUN COUPLER

CODE	DESCRIPTION
12L4048	COUPLER 1/8 BSP

HIGH PRESSURE 6mm NYLON TUBE

- Conforms to European standard DIN 73378
- Working Pressure: 1230psi (3:1 Safety Factor)
- Operating Temperature: -60°C to +80°C



PART No	DESCRIPTION	ROLL LENGTH	
16-PT06F-100	HP Tube 6 x 1.5mm Grease Filled	100m Roll	
16-PT06-100	HP Tube 6 x 1.5mm Empty	100m Roll	
16-PT06F-25	HP Tube 6 x 1.5mm Grease Filled	25m Roll	
16-PT06-25	HP Tube 6 x 1.5mm Empty	25m Roll	

COMPRESSION FITTINGS TO SUIT TUBE

- Material: Steel (galvanised)
- Working Pressure: 3625psi (250 Bar)

STRAIGHT CONNECTORS

DESCRIPTION	STEEL PART No		STAINLESS STEEL PART No	
6mm Tube x M6x1 Male Straight	16-MC06M06		16-MC06M06SS	
6mm Tube x M8x1 Male Straight	16-MC06M08		16-MC06M08SS	
6mm Tube x M10x1 Male Straight	16-MC06M10		16-MC06M10SS	
6mm Tube x 1/8bsp Male Straight	16-MC0602		16-MC0602SS	



ELBOW CONNECTORS

DESCRIPTION	STEEL PART No		STAINLESS STEEL PART No	
6mm Tube x M6x1 Male Elbow	16-ME06M06		16-ME06M06SS	
6mm Tube x M8x1 Male Elbow	16-ME06M08		16-ME06M08SS	
6mm Tube x M10x1 Male Elbow	16-ME06M10		16-ME06M10SS	
6mm Tube x 1/8bsp Male Elbow	16-ME0602		16-ME0602SS	



TUBE UNIONS

DESCRIPTION	STEEL PART No		STAINLESS STEEL PART No	
6mm Tube Joiner	16-J06		16-J06SS	
6mm Tube Tee	16-T06		-	



BULKHEAD CONNECTORS

PART No	DESCRIPTION	
16-BC06M6	6mm Tube to M6 Female	
16-BTJ06	6mm Tube Bulkhead	
16-BE06	6mm Tube Bulkhead Elbow	



Female Bulkhead

Tube Bulkhead

Bulkhead Elbow

TUBE NUT and OLIVES

DESCRIPTION	STEEL PART No		S/STEEL PART No	
Tube Nut	16-TN		16-TNSS	
Tube Olive	16-TO		16-TOSS	



Tube Nut

Olive

BANJO 90° SWIVEL FITTINGS

PART No	DESCRIPTION	
16-B0602	6mm Tube x 1/8bsp Male Banjo Swivel	
16-B06M10	6mm Tube x M10 Male Banjo Swivel	
16-BM10M10	M10 Male / Female Banjo Swivel (also accepts M6 Comp nut & olive)	
16-CN06	6mm Tube Compression Nut (M10 thread)	
16-DCO06	6mm Tube Double Cone Olive	



6mm Tube x 1/8bsp



M10 M/F Banjo



Compression Nut



Double Cone Olive

PUSH IN FITTINGS TO SUIT 6mm NYLON TUBE

- Material: Nickel Plated Brass
- Working Pressure: 1160psi (80 Bar)

STRAIGHT CONNECTORS**ELBOW CONNECTORS**

Non Swivel



Swivel

PART No	DESCRIPTION	
16-PMC06M06	6mm Tube x M6x1 Male Straight	
16-PMC06M08	6mm Tube x M8x1 Male Straight	
16-PMC06M10	6mm Tube x M10x1 Male Straight	
16-PMC0602	6mm Tube x 1/8bsp Male Straight	

PART No	DESCRIPTION	
16-PME06M06	6mm Tube x M6x1 Male Elbow Fixed	
16-PME06M08	6mm Tube x M8x1 Male Elbow Fixed	
16-PME06M10	6mm Tube x M10x1 Male Elbow Fixed	
16-PME0602	6mm Tube x 1/8bsp Male Elbow Fixed	
16-PME06M06S	6mm Tube x M6x1 Male Elbow Swivel	
16-PME06M08S	6mm Tube x M8x1 Male Elbow Swivel	
16-PME06M10S	6mm Tube x M10x1 Male Elbow Swivel	
16-PME0602S	6mm Tube x 1/8bsp Male Elbow Swivel	

TUBE UNIONS

PART No	DESCRIPTION	EACH
16-PJ06	6mm Tube Joiner	12.50

HIGH PRESSURE HOSE 8.3mm O.D.

- Nylon inner tube, polyester reinforcing, polyurethane outer cover
- Working Pressure: 3090psi (4:1 Safety Factor)
- Operating Temperature: -40°C to +80°C



PART No	DESCRIPTION	ROLL LENGTH	
16-H08F-50	8.3mm Hose Grease Filled	50m Roll	
16-H08-50	8.3mm Hose Empty	50m Roll	
16-H08F-10	8.3mm Hose Grease Filled	10m Roll	
16-H08-10	8.3mm Hose Empty	10m Roll	

The sleeve and stand pipe are used in conjunction with the 8.3mm high pressure hose.
The compression fittings listed on the previous page or the push in fittings shown above can then be attached to the stand pipe to provide a connection point.

STAND PIPE FITTINGS TO SUIT COMPRESSION FITTINGS

PART No	DESCRIPTION	
16-SLEEVE	Hose Sleeve to Suit 8.3mm Hose	
16-SLEEVE-SS	Hose Sleeve to suit 8.3mm Hose S/Steel	
16-HSS-20	Hose Stud Straight 20mm	
16-HSS-24	Hose Stud Straight 24mm	
16-HSS-30	Hose Stud Straight 30mm	
16-HSS-30SS	Hose Stud Straight 30mm S/Steel	
16-HSE-21	Hose Stud Elbow 90deg 21mm	
16-HSE-33	Hose Stud Elbow 90deg 33mm	
16-HSE-37	Hose Stud Elbow 90deg 37mm	
16-HSE-37SS	Hose Stud Elbow 90deg 37mm S/Steel	
16-HSE-53	Hose Stud Elbow 90deg 53mm	
16-HSE45	Hose Stud 45deg 25mm	
16-HSE45SS	Hose Stud 45deg 25mm S/Steel	
16-HSS-J07	7/16 JIC to 8.3mm Hose inc Sleeve	

**STAND PIPE FITTINGS TO SUIT PUSH-IN FITTINGS**

PART No	DESCRIPTION	
16-PHSS-20	Hose Stud Straight 20mm for Push-In Fittings	
16-PHSS-30	Hose Stud Straight 30mm for Push-In Fittings	
16-PHSE-37	Hose Stud Elbow 90deg 37mm for Push-In Fittings	
16-PHSE-53	Hose Stud Elbow 90deg 53mm for Push-In Fittings	
16-PHS45-15	Hose Stud 45deg 15mm for Push-In Fittings	
16-PHS45-25	Hose Stud 45deg 25mm for Push-In Fittings	



ADAPTORS

M/F EXTENSIONS



PART No	DESCRIPTION	
16-AS0202-23	Adaptor 1/8bsp Male x 1/8 Female 23mm Long	
16-AS0202-35	Adaptor 1/8bsp Male x 1/8 Female 35mm Long	
16-AS0202-50	Adaptor 1/8bsp Male x 1/8 Female 50mm Long	
16-AS02M08-18	Adaptor 1/8bsp Male x M8 Female 18mm Long	
16-AS02M10-18	Adaptor 1/8bsp Male x M10 Female 18mm Long	
16-AS04M10-20	Adaptor 1/4bsp Male x M10 Female 20mm Long	
16-AS04U02-23	Adaptor 1/4 UNF Male x 1/8bsp Female 23mm Long	
16-ASM0602-23	Adaptor M6 Male x 1/8bsp Female 23mm Long	
16-ASM06M08-19	Adaptor M6 Male x M8 Female 19mm Long	
16-ASM06M10-23	Adaptor M6 Male x M10 Female 23mm Long	
16-ASM0802-23	Adaptor M8 Male x 1/8bsp Female 23mm Long	
16-ASM08M08-32	Adaptor M8 Male x M8 Female 32mm Long	
16-ASM08M10-23	Adaptor M8 Male x M10 Female 23mm Long	
16-ASM10M10-23	Adaptor M10 Male x M10 Female 23mm Long	
16-ASM10M10-35	Adaptor M10 Male x M10 Female 35mm Long	
16-ASM10M10-50	Adaptor M10 Male x M10 Female 50mm Long	

45 DEGREE ELBOWS



PART No	DESCRIPTION	
16-A45M06M08	Adaptor M6 Male x M8 Female 45 Degree	
16-A45M08M08	Adaptor M8 Male x M8 Female 45 Degree	
16-A45M10M08	Adaptor M10 Male x M8 Female 45 Degree	
16-A45M10M10	Adaptor M10 Male x M10 Female 45 Degree	
16-A45M10M10SS	Adaptor M10 Male x M10 Female 45 Deg S/Steel	
16-A450202SS	Adaptor 1/8bsp Male / Female 45 Degree S/Steel	

90 DEGREE ELBOWS



PART No	DESCRIPTION	
16-A9002M08	Adaptor 1/8BSP Male x M8 Female 90 Degree	
16-A9004U02	Adaptor 1/4UNF Male x 1/8bsp Female 90 Degree	
16-A90M06M06	Adaptor M6 Male x M6 Female 90 Degree	
16-A90M06M08	Adaptor M6 Male x M8 Female 90 Degree	
16-A90M06M10	Adaptor M6 Male x M10 Female 90 Degree	
16-A90M08M08	Adaptor M8 Male x M8 Female 90 Degree	
16-A90M08M10	Adaptor M8 Male x M10 Female 90 Degree	
16-A90M10M10	Adaptor M10 Male x M10 Female 90 Degree	
16-A90M10M10SS	Adaptor M10 Male x M10 Female 90deg S/Steel	
16-A900202SS	Adaptor 1/8bsp Male / Female 90deg S/Steel	

MOUNTING BLOCKS

STEEL MOUNTING BLOCKS

- T Drilled to provide different inlet and outlet configurations
- 1/8bsp Ports
- One blanking plug supplied per outlet



PART No	DESCRIPTION	
16-MB02	2 Port Header Block 1/8bsp	
16-MB03	3 Port Header Block 1/8bsp	
16-MB04	4 Port Header Block 1/8bsp	
16-MB05	5 Port Header Block 1/8bsp	
16-MB06	6 Port Header Block 1/8bsp	

BRASS MOUNTING BLOCKS

- Drilled straight through
- 1/8bsp Ports



PART No	DESCRIPTION	
16-MBB02	2 Port Brass Header Block 1/8bsp	
16-MBB03	3 Port Brass Header Block 1/8bsp	
16-MBB04	4 Port Brass Header Block 1/8bsp	
16-MBB05	5 Port Brass Header Block 1/8bsp	
16-MBB06	6 Port Brass Header Block 1/8bsp	

Part No.	ID x OD x Length		Part No.	ID x OD x Length		Part No.	ID x OD x Length	
FB1	5/16" x 7/16" x 1/2"		FB210	9/16" x 3/4" x 1"		FB337	5/8" x 1" x 2 1/2"	
FB2	5/16" x 7/16" x 1 1/2"		FB214	9/16" x 3/4" x 1 1/2"		FB400	11/16" x 13/16" x 1"	
FB3	5/16" x 7/16" x 3/4"		FB216	9/16" x 3/4" x 1 3/4"		FB401	11/16" x 13/16" x 1 1/2"	
FB4	5/16" x 7/16" x 1"		FB217	9/16" x 3/4" x 2"		FB403	11/16" x 13/16" x 2"	
FB10	3/8" x 1/2" x 3/4"		FB219	9/16" x 3/4" x 2 1/4"		FB406	11/16" x 7/8" x 1"	
FB11	3/8" x 1/2" x 1"		FB220	9/16" x 3/4" x 2 1/2"		FB409	11/16" x 7/8" x 2"	
FB12	3/8" x 1/2" x 2"		FB222	9/16" x 13/16" x 1 1/2"		FB412	11/16" x 15/16" x 1"	
FB13	3/8" x 1/2" x 1 1/2"		FB224	9/16" x 13/16" x 2"		FB413	11/16" x 15/16" x 1 1/2"	
FB19	7/16" x 9/16" x 3/4"		FB227	9/16" x 7/8" x 1 1/2"		FB415	11/16" x 15/16" x 2"	
FB20	7/16" x 9/16" x 1"		FB228	9/16" x 7/8" x 2"		FB418	11/16" x 1" x 2"	
FB22	7/16" x 9/16" x 1 1/2"		FB231	9/16" x 1" x 1 1/2"		FB490	3/4" x 1" x 3/4"	
FB25	7/16" x 9/16" x 2"		FB232	9/16" x 1" x 2"		FB500	3/4" x 13/16" x 1 1/2"	
FB27	7/16" x 5/8" x 1 1/2"		FB236	9/16" x 13/16" x 1"		FB501	3/4" x 7/8" x 3/4"	
FB 29	7/16" x 5/8" x 2"		FB237	9/16" x 7/8" x 1"		FB502	3/4" x 7/8" x 1"	
FB30	7/16" x 11/16" x 1 1/2"		FB301	5/8" x 11/16" x 1 1/2"		FB504	3/4" x 7/8" x 1 1/4"	
FB32	7/16" x 11/16" x 2"		FB302	5/8" x 11/16" x 2"		FB505	3/4" x 7/8" x 1 1/2"	
FB36	7/16" x 5/8" x 1"		FB303	5/8" x 3/4" x 3/4"		FB507	3/4" x 7/8" x 2"	
FB39	7/16" x 11/16" x 1"		FB304	5/8" x 3/4" x 1"		FB510	3/4" x 7/8" x 2 1/2"	
FB99	1/2" x 3/4" x 3/4"		FB305	5/8" x 3/4" x 1 1/4"		FB511	3/4" x 15/16" x 1"	
FB100	1/2" x 9/16" x 1 1/2"		FB307	5/8" x 3/4" x 1 1/2"		FB515	3/4" x 15/16" x 1 1/2"	
FB101	1/2" x 5/8" x 3/4"		FB308	5/8" x 3/4" x 1 3/4"		FB518	3/4" x 15/16" x 2"	
FB102	1/2" x 5/8" x 1"		FB309	5/8" x 3/4" x 2"		FB519	3/4" x 15/16" x 2 1/4"	
FB103	1/2" x 5/8" x 1 1/4"		FB310	5/8" x 3/4" x 2 1/4"		FB520	3/4" x 15/16" x 2 1/2"	
FB104	1/2" x 5/8" x 1 1/2"		FB311	5/8" x 3/4" x 2 1/2"		FB522	3/4" x 1" x 1"	
FB106	1/2" x 5/8" x 2"		FB312	5/8" x 3/4" x 3"		FB523	3/4" x 1" x 1 1/4"	
FB107	1/2" x 11/16" x 1"		FB313	5/8" x 13/16" x 1"		FB524	3/4" x 1" x 1 1/2"	
FB110	1/2" x 11/16" x 1 1/2"		FB315	5/8" x 13/16" x 1 1/2"		FB525	3/4" x 1" x 1 3/4"	
FB112	1/2" x 11/16" x 2"		FB317	5/8" x 13/16" x 2"		FB526	3/4" x 1" x 2"	
FB113	1/2" x 3/4" x 1"		FB319	5/8" x 13/16" x 2 1/2"		FB528	3/4" x 1" x 2 1/4"	
FB115	1/2" x 3/4" x 1 1/2"		FB321	5/8" x 7/8" x 3/4"		FB529	3/4" x 1" x 2 1/2"	
FB116	1/2" x 3/4" x 1 3/4"		FB322	5/8" x 7/8" x 1"		FB530	3/4" x 1" x 3"	
FB117	1/2" x 3/4" x 2"		FB324	5/8" x 7/8" x 1 1/4"		FB531	3/4" x 1-1/16" x 2"	
FB119	1/2" x 3/4" x 2 1/2"		FB325	5/8" x 7/8" x 1 1/2"		FB532	3/4" x 1-1/16" x 2 1/2"	
FB120	1/2" x 7/8" x 1 1/2"		FB326	5/8" x 7/8" x 1 3/4"		FB533	3/4" x 1-1/8" x 1 1/2"	
FB121	1/2" x 7/8" x 2"		FB328	5/8" x 7/8" x 2"		FB534	3/4" x 1-1/8" x 2"	
FB122	1/2" x 1" x 2"		FB329	5/8" x 7/8" x 2 1/4"		FB536	3/4" x 1-1/8" x 2 1/2"	
FB200	9/16" x 11/16" x 1"		FB330	5/8" x 7/8" x 2 1/2"		FB537	3/4" x 1-1/8" x 3"	
FB203	9/16" x 11/16" x 1 1/2"		FB331	5/8" x 7/8" x 3"		FB538	3/4" x 1-3/4" x 2 1/2"	
FB206	9/16" x 11/16" x 1 3/4"		FB334	5/8" x 1" x 1 1/4"		FB600	13/16" x 15/16" x 1"	
FB207	9/16" x 11/16" x 2"		FB335	5/8" x 1" x 2"		FB602	13/16" x 15/16" x 1 1/2"	



Imperial Bronze Bushes

Category 87

Part No.	ID x OD x Length		Part No.	ID x OD x Length		Part No.	ID x OD x Length	
FB603	13/16" x 15/16" x 2"		FB806	1" x 1-1/8" x 2-1/2"		FB1008	1-1/4" x 1-1/2" x 4"	
FB605	13/16" x 1" x 1½"		FB807	1" x 1-1/8" x 3"		FB1009	1-1/4" x 1-5/8" x 1¾"	
FB606	13/16" x 1" x 2"		FB808	1" x 1-3/16" x 1-1/2"		FB1010	1-3/8" x 1-5/8" x 2"	
FB607	13/16" x 1" x 2½"		FB809	1" x 1-3/16" x 2"		FB1011	1-3/8" x 1-5/8" x 3"	
FB608	13/16" x 1-1/16" x 2"		FB810	1" x 1-1/16" x 2-1/2"		FB1012	1-3/8" x 1-3/4" x 4"	
FB610	13/16" x 1-1/16" x 2½"		FB811	1" x 1-1/4" x 1"		FB1013	1-1/2" x 1-5/8" x 2"	
FB612	13/16" x 1-1/16" x 3"		FB812	1" x 1-1/4" x 1-1/8"		FB1014	1-1/2" x 1-3/4" x 2½"	
FB700	7/8" x 1" x 1"		FB813	1" x 1-1/4" x 1-1/4"		FB1015	1-1/2" x 1-3/4" x 3"	
FB702	7/8" x 1" x 1¼"		FB814	1" x 1-1/4" x 1-1/2"		FB1016	1-1/2" x 1-3/4" x 3½"	
FB703	7/8" x 1" x 1½"		FB815	1" x 1-1/4" x 1-3/4"		FB1017	1-1/2" x 1-3/4" x 4"	
FB705	7/8" x 1" x 2"		FB816	1" x 1-1/4" x 2"		FB1018	1-3/4" x 2-1/8" x 4"	
FB707	7/8" x 1" x 2½"		FB818	1" x 1-1/4" x 2-1/2"		FB1019	2" x 2-1/4" x 3-1/2"	
FB708	7/8" x 1" x 3"		FB820	1" x 1-1/4" x 3"		FB1020	1-1/2" x 2" x 2-1/2"	
FB709	7/8" x 1-1/16" x 1"		FB821	1" x 1-1/4" x 3-1/2"		FB1021	1-1/2" x 2" x 3"	
FB711	7/8" x 1-1/16" x 1½"		FB822	1" x 1-1/4" x 4"		FB1022	1-1/2" x 2" x 3-1/2"	
FB713	7/8" x 1-1/16" x 2"		FB823	1" x 1-3/8" x 2"		FB1023	1-1/2" x 2" x 4"	
FB715	7/8" x 1-1/16" x 2½"		FB824	1" x 1-3/8" x 2-1/2"		FB1030	1-3/4" x 2" x 2-1/2"	
FB717	7/8" x 1-1/8" x 1¼"		FB825	1" x 1-3/8" x 3"		FB1031	1-3/4" x 2" x 3"	
FB718	7/8" x 1-1/8" x 1½"		FB827	1" x 1-3/8" x 1-1/2"		FB1032	1-3/4" x 2" x 3-1/2"	
FB720	7/8" x 1-1/8" x 2"		FB900	1-1/8" x 1-1/4" x 1½"		FB1033	1-3/4" x 2" x 4"	
FB721	7/8" x 1-1/8" x 2¼"		FB901	1-1/8" x 1-1/4" x 2"		FB1036	1-3/4" x 2-1/4" x 2¼"	
FB722	7/8" x 1-1/8" x 2½"		FB902	1-1/8" x 1-1/4" x 2½"		FB1037	1-3/4" x 2-1/4" x 3"	
FB723	7/8" x 1-1/8" x 3"		FB903	1-1/8" x 1-1/4" x 3"		FB1038	1-3/4" x 2-1/4" x 3½"	
FB725	7/8" x 1-1/4" x 1½"		FB904	1-1/8" x 1-3/8" x 2"		FB1039	1-3/4" x 2-1/2" x 4"	
FB726	7/8" x 1-1/4" x 2"		FB906	1-1/8" x 1-3/8" x 3"		FB1040	2" x 2-1/4" x 2-1/2"	
FB728	7/8" x 1-1/4" x 2½"		FB907	1-1/8" x 1-3/8" x 3½"		FB1041	2" x 2-1/4" x 3"	
FB729	7/8" x 1-1/4" x 3"		FB908	1-1/8" x 1-3/8" x 4"		FB1050	2" x 2-1/2" x 2-1/2"	
FB730	7/8" x 1-3/8" x 3"		FB909	1-1/8" x 1-1/2" x 3"		FB1051	2" x 2-1/2" x 3"	
FB731	15/16" x 1-1/16" x 1½"		FB910	1-3/8" x 1-3/4" x 4"		FB1052	2" x 2-1/2" x 3-1/2"	
FB732	15/16" x 1-1/16" x 2"		FB912	1-1/4" x 1-1/2" x 1"		FB1053	2" x 2-1/2" x 4"	
FB733	15/16" x 1-1/16" x 2½"		FB914	1-1/4" x 1-1/2" x 1½"		FB1060	2-1/4" x 2-3/4" x 2½"	
FB734	15/16" x 1-1/16" x 1¼"		FB996	1-1/2" x 1-3/4" x 1½"		FB1061	2-1/4" x 2-3/4" x 3"	
FB735	15/16" x 1-1/8" x 2¼"		FB998	1-1/2" x 1-3/4" x 2"		FB1062	2-1/4" x 2-3/4" x 3½"	
FB736	15/16" x 1-1/8" x 3"		FB1000	1-1/4" x 1-3/8" x 1½"		FB1063	2-1/4" x 2-3/4" x 4"	
FB738	15/16" x 13/16" x 2"		FB1001	1-1/4" x 1-3/8" x 3"		FB1070	2-1/2" x 3" x 2-1/2"	
FB800	1" x 1-1/16" x 1½"		FB1002	1-1/4" x 1-1/2" x 1¾"		FB1071	2-1/2" x 3" x 3"	
FB801	1" x 1-1/8" x 1"		FB1003	1-1/4" x 1-1/2" x 2"		FB1072	2-1/2" x 3" x 3-1/2"	
FB802	1" x 1-1/8" x 1¼"		FB1004	1-1/4" x 1-1/2" x 2½"		FB1073	2-1/2" x 3" x 4"	
FB803	1" x 1-1/8" x 1½"		FB1005	1-1/4" x 1-1/2" x 3"				
FB805	1" x 1-1/8" x 2"		FB1007	1-1/4" x 1-1/2" x 3½"				

Part No.	ID x OD x Length		Part No.	ID x OD x Length		Part No.	ID x OD x Length	
FMB081010	08 x 10 x 10		FMB162480	16 x 24 x 80		FMB304060	30 x 40 x 60	
FMB081020	08 x 10 x 20		FMB202430	20 x 24 x 30		FMB304080	30 x 40 x 80	
FMB081030	08 x 10 x 30		FMB202440	20 x 24 x 40		FMB3040100	30 x 40 x 100	
FMB081040	08 x 10 x 40		FMB202450	20 x 24 x 50		FMB354040	35 x 40 x 40	
FMB081210	08 x 12 x 10		FMB202460	20 x 24 x 60		FMB354050	35 x 40 x 50	
FMB081220	08 x 12 x 20		FMB202480	20 x 24 x 80		FMB354060	35 x 40 x 60	
FMB081230	08 x 12 x 30		FMB203030	20 x 30 x 30		FMB354080	35 x 40 x 80	
FMB081240	08 x 12 x 40		FMB203040	20 x 30 x 40		FMB3540100	35 x 40 x 100	
FMB101220	10 x 12 x 20		FMB203050	20 x 30 x 50		FMB354540	35 x 45 x 40	
FMB101230	10 x 12 x 30		FMB203060	20 x 30 x 60		FMB354550	35 x 45 x 50	
FMB101240	10 x 12 x 40		FMB203080	20 x 30 x 80		FMB354560	35 x 45 x 60	
FMB101620	10 x 16 x 20		FMB253030	25 x 30 x 30		FMB354580	35 x 45 x 80	
FMB101630	10 x 16 x 30		FMB253040	25 x 30 x 40		FMB3545100	35 x 45 x 100	
FMB101640	10 x 16 x 40		FMB253050	25 x 30 x 50		FMB404540	40 x 45 x 40	
FMB101650	10 x 16 x 50		FMB253060	25 x 30 x 60		FMB404550	40 x 45 x 50	
FMB121620	12 x 16 x 20		FMB253080	25 x 30 x 80		FMB404560	40 x 45 x 60	
FMB121630	12 x 16 x 30		FMB2530100	25 x 30 x 100		FMB404580	40 x 45 x 80	
FMB121640	12 x 16 x 40		FMB253530	25 x 35 x 30		FMB4045100	40 x 45 x 100	
FMB121650	12 x 16 x 50		FMB253540	25 x 35 x 40		FMB405040	40 x 50 x 40	
FMB122020	12 x 20 x 20		FMB253550	25 x 35 x 50		FMB405050	40 x 50 x 50	
FMB122030	12 x 20 x 30		FMB253560	25 x 35 x 60		FMB405060	40 x 50 x 60	
FMB122040	12 x 20x 40		FMB253580	25 x 35 x 80		FMB405080	40 x 50 x 80	
FMB122050	12 x 20 x 50		FMB2535100	25 x 35 x 100		FMB4050100	40 x 50 x 100	
FMB162020	16 x 20 x 20		FMB303530	30 x 35 x 30		FMB455550	45 x 55 x 50	
FMB162030	16 x 20 x 30		FMB303540	30 x 35 x 40		FMB455560	45 x 55 x 60	
FMB162040	16 x 20 x 40		FMB303550	30 x 35 x 50		FMB455580	45 x 55 x 80	
FMB162050	16 x 20 x 50		FMB303560	30 x 35 x 60		FMB4555100	45 x 55 x 100	
FMB162060	16 x 20 x 60		FMB303580	30 x 35 x 80		FMB506050	50 x 60 x 50	
FMB162430	16 x 24 x 30		FMB3035100	30 x 35 x 100		FMB506060	50 x 60x 60	
FMB162440	16 x 24 x 40		FMB304030	30 x 40 x 30		FMB506080	50 x 60 x 80	
FMB162450	16 x 24 x 50		FMB304040	30 x 40 x 40		FMB5060100	50 x 60 x 100	
FMB162460	16 x 24 x 60		FMB304050	30 x 40 x 50				



LG2 Bronze

Is a copper alloy Having Excellent Strength and wearing characteristics. Bronze is predominantly used as a bearing material. It is often the sacrificial component used to protect other more expensive equipment.



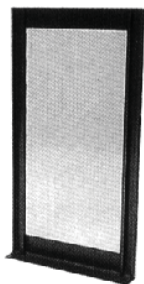
MULTI-STALA STORAGE SYSTEM

Multi Stala is a transparent multi purpose storage system ideal for storing parts in warehouses and general stores.
The clear bins allow easy identification of parts without removing them.
Multi-Stala is also ideal for show rooms to display product at point of sale.

All storage bins are the same width and they can slide onto one of two wall frames to be attached to the wall, or they can be directly mounted to the wall individually.
The wall frames come in two heights 600mm and 1200mm to create your own combination of storage bins to suit your specific requirements.

STORAGE BINS Blue in colour

DESCRIPTION	DIMENSIONS	PART No	
9 Compartment Bin	600W x 77H x 62D mm	47-MS9	
6 Compartment Bin	600W x 113H x 91D mm	47-MS6	
5 Compartment Bin	600W x 164H x 133D mm	47-MS5	
4 Compartment Bin	600W x 207H x 168D mm	47-MS4	
3 Compartment Bin	600W x 240H x 197D mm	47-MS3	
2 Compartment Bin	600W x 353H x 299D mm	47-MS2	



600mm Wall Frame



1200mm Wall Frame

WALL FRAME

DESCRIPTION	DIMENSIONS	PART No	
600mm Wall Frame	600H x 335W mm	47-WF06	
1200mm Wall Frame	1200H x 335W mm	47-WF12	
Nuts & Bolts to Suit	2 Required per Storage bins	47-MSB	

PARTS CABINETS

CODE	ITEM	CABINET DIMENSIONS (mm)
47A7V-324	24 drawer	444W x 222D x 642H
47A7V-448	48 drawer	584W x 222D x 937H

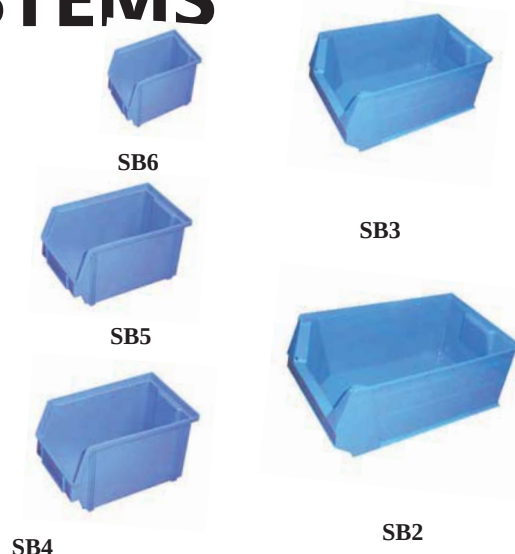
Drawer size is 120W x 218L x 89D
Each drawer comes with one divider, extra dividers are available on request.



STORAGE SYSTEMS

- Well formed grip troughs at front and rear
- Large opening to view contents
- Resistant to nearly all oils, greases and chemicals
- Dimensionally stable
- Highly polished
- Colours: Blue Only

ITEM	DIMENSIONS W X D x H mm	PART No	
SB6	100 x 85 x 50	47-SB6	
SB5	100 x 160 x 75	47-SB5	
SB4	150 x 230 x 130	47-SB4	
SB3Z	210 x 350 x 145	47-SB3	
SB2	310 x 500 x 200	47-SB2	



METAL LOUVRE PANELS TO SUIT SYSTEMBOX

ITEM	DIMENSIONS W x H mm	PART No	
LP1	476 x 635	47-LP1	
LP2	630 x 635	47-LP2	
LP3	476 x 1854	47-LP3	
LP4	630 x 1245	47-LP4	



SHELFBOX

- Corrugated bottom for easy removal of the smallest of parts
- Resistant to nearly all oils, greases and chemicals
- High shock resistant
- Colours: Blue Only

CODE	ITEM	DIMENSIONS	
47-LB300D__	LB300D	183 X 300 X 81	
47-LB300E__	LB300E	91 X 300 X 81	
47-LB400D__	LB400D	183 X 400 X 81	
47-LB400E__	LB400E	91 X 400 X 81	



NEWBOX

A sturdy blue/grey tote bin with full hand grips on the VISM style or finger grips on the V1.

CODE	ITEM	DIMENSIONS (mm)	
47-NB10V1	Newbox	400 X 300 X 120	
47-NB14V1SM	Newbox	400 X 300 X 170	





Industrial Fittings Sales assembles various grab packs, covering our common product ranges.
They are contained in a multi compartmental plastic tackle box and come fully labeled for easy identification of parts.

We can also custom make packs to suit your requirements.

COMPARTMENT BOXES

PART No	DIMENSIONS	COMPARTMENTS	
47BOX1	28 x 18cm	6 - 21	
47BOX2	21 x 11cm	6 - 12	
47BOX3	28 x 18cm	4 - 24	
47BOX4	36 x 22cm	4 - 24	
47BOX5	35 x 21cm	8	
47BOX6	19 x 12cm	5	

1. SCREWED BSP BRASS FITTINGS

56 Pieces. Comprising of the most common screwed fittings. Includes reducing bushes, hex nipples, M/F elbows, sockets, tees, plugs and reducing nipples.

PART No: 47GP-SB

2. MILD STEEL WORM DRIVE CLAMPS

130 Pieces. Comprising of the most common worm drive clamps, ranging from 8-12mm to 40-60mm.

PART No: 47GP-MSWDC

3. STAINLESS STEEL WORM DRIVE CLAMPS

130 Pieces. Comprising of the most common stainless steel worm drive clamps, ranging from 8-12mm to 40-60mm.

PART No: 47GP-SSWDC

4. OTK CLAMPS

130 Pieces. Comprising of the most common OTK clips, ranging from 5-7mm to 23-27mm.

PART No: 47GP-OTK

5. OTK CLAMPS WITH PLIERS

150 Piece with Crimping Pliers

PART No: 47GP-OTKP

6. BONDED WASHERS

100 Bonded washers ranging from 6mm up to 24mm

PART No: 47GP-BW

7. TRUCK EMERGENCY REPAIR KIT

9 Pieces. A very compact and economical kit containing joiners and plugs to suit airbrake lines. Also contains a tube cutter.

PART No: 47GP-ABERK

8. AIRBRAKE - IMPERIAL COMPRESSION

94 Pieces. Comprising of the most common airbrake 1400 Series compression fittings. Includes straights, elbows, joiners, olives and spigots.

PART No: 47GP-ABIC

9. AIRBRAKE - IMPERIAL COMPRESSION PLUS AIRBRAKE COUPLINGS

42 Pieces. Comprising of the most common airbrake 1400 Series compression fittings and airbrake couplings. Includes straights, elbows, joiners, olives and CA93 couplings.

PART No: 47GP-ABICC

10. AIRBRAKE - IMPERIAL PUSH-IN

32 Pieces. Comprising of the most common imperial airbrake DOT push-in fittings. Includes straights, elbows and joiners.

PART No: 47GP-ABIPI

11. AIRBRAKE - METRIC PUSH-IN

34 Pieces. Comprising of the most common metric airbrake DOT push-in fittings. Includes straights, elbows and joiners.

PART No: 47GP-ABMPI

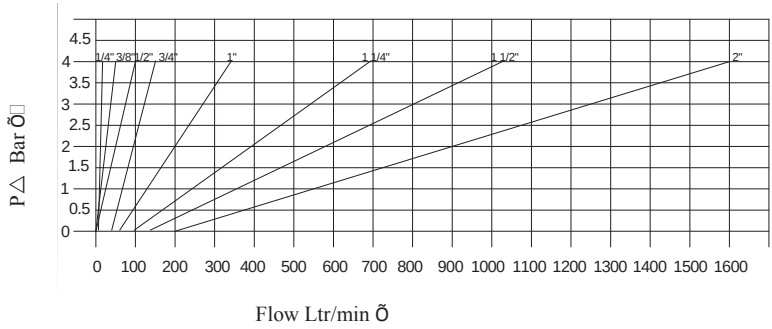
12. AIRBRAKE - IMPERIAL & METRIC PUSH-IN

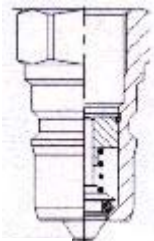
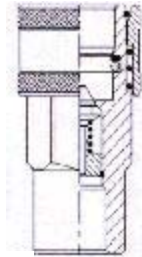
44 Pieces. Comprising of the most common imperial and metric airbrake DOT push-in fittings. Includes straights, elbows and joiners.

PART No: 47GP-ABPI

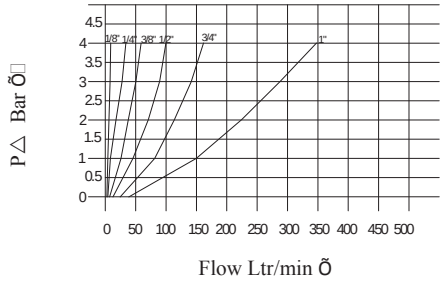
OTHER GRAB PACKS AVAILABLE. FOR DETAILS OF INDIVIDUAL GRAB PACK CONTENTS PLEASE CONSULT OUR SALES STAFF

ISO A SERIES



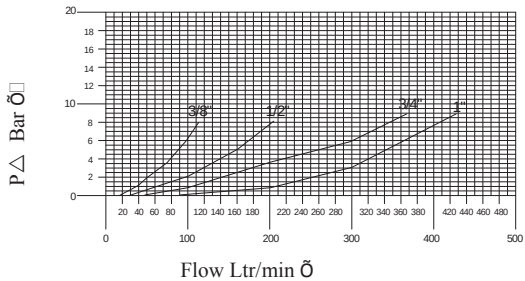
MALE (PLUG)	SIZE BSP	MALE		MAX WORKING PRESSURE	FEMALE (COUPLING)		FEMALE (COUPLING)
		PART No.			PART No.		
	1/4	52AM04		300 BAR	52AF04		
	3/8	52AM06		300 BAR	52AF06		
	1/2	52AM08		300 BAR	52AF08		
	3/4	52AM12		250 BAR	52AF12		
	1	52AM16		230 BAR	52AF16		
	BALL TYPE COUPLING AND ADAPTORS						
	1/2	52AM08BT		300 BAR	52AF08BT		
	3/4	52AM12BT		250 BAR	52AF12BT		
	1	52AM16BT		230 BAR	52AF16BT		

ISO B SERIES



SIZE BSP	MALE	MAX WORK PRESSURE	FEMALE
	BRASS PART No.		BRASS PART No.
1/4"	52BM04	350 BAR	52BF04
1/2"	52BM08	280 BAR	52BF08
3/4"	52BM12	180 BAR	52BF12
1"	52BM16	150 BAR	52BF16

TFH SERIES



MALE (PLUG)	SIZE BSP	MALE		MAX WORKING PRESSURE	FEMALE (COUPLING)		FEMALE (COUPLING)
	1/2 3/4	PART No.		350 BAR 280 BAR	PART No.		
		52TFHM08			52TFHF08		
		52TFHM12			52TFHF12		

GENUINE TEMA COUPLINGS



SIZE BSP	MALE		MAX WORK PRESSURE	FEMALE	
	PART No.			PART No.	
1/4"	52T2520		280 BAR	52T2510	
3/8"	52T3820		250 BAR	52T3810	
1/2"	52T5020		250 BAR	52T5010	
3/4"	52T7520		250 BAR	52T7510	
1"	52T10020		200 BAR	52T10010	



PLUGS, CAPS AND SEAL KITS

SIZE	CAPS		PLUGS		SEAL KITS	
	PART No.		PART No.		PART No.	
1/4"	52T2526		52T2516		52T2500PSN	
3/8"	52T3826		52T3816		52T3800PSN	
1/2"	52T5026		52T5016		52T5000PSN	
3/4"	52T7526		52T7516		52T7500PSN	
1"	52T10026		52T10016		52T10000PSN	



HYDRAULIC BALL VALVES



VR2H SERIES

SIZE BSP	PART No.	MAX WORK PRESSURE
1/4	52V2RH04	500 BAR
3/8	52V2RH06	500 BAR
1/2	52V2RH08	500 BAR
3/4	52V2RH12	400 BAR
1	52V2RH16	350 BAR



VR3H SERIES

SIZE BSP	PART No.	MAX WORK PRESSURE
1/4	52V3RH04	500 BAR
3/8	52V3RH06	500 BAR
1/2	52V3RH08	500 BAR

These valves are not suitable for use on water.



THREADLOCKERS

B222 SCREWLOCK **LOW STRENGTH**

NATO No. 8030-99-897-3012

For small fasteners that require readjustment or easy disassembly, Seals threaded fasteners from leakage. Ideal for small screws, nuts, bolts, brass fittings etc. Prevents loosening under loads or vibration. Temperature -40 to + 150C

B243 NUTLOCK **Medium Strength**

NATO No. 8030-99-517-5632

An oil tolerant locker for threads, prevents loosening and seals out moisture. Temperature -55 to + 150C

B270 STUDLOCK **High Strength**

NATO No. 8030-99-701-1762

An anaerobic adhesive for locking threads preventing loosening, use on all threads up to 25mm. Temperature -55 to + 150C



Size	Part No.	
10ml	B222-10	
25ml	B222-25	
50ml	B222-50	

Size	Part No.	
10ml	B243-10	
25ml	B243-25	
50ml	B243-50	

Size	Part No.	
10ml	B270-10	
25ml	B270-25	
50ml	B270-50	

INSTANT BONDING

B401-3 INSTANT ADHESIVE

Super fast cyanoacrylate adhesive for bonding metals, ceramics, plastics, wood, rubber, glass and many other materials.

Size	Part No.
3gm	B401-3

THREAD SEALANTS

B542 HYDRAULIC SEALANT

NATO No. 8030-99-517-8997

Used for all types of hydraulic connections, sealing against typical pressure line ratings, use to fit valves and threaded couplings. Ideal for all types of metal parts. Locks and seals hydraulic and pneumatic parts. High pressure resistant. Medium strength. Temperature -55 to +150C

Size	Part No.
25ml	B542-25
50ml	B542-50
250ml	B542-250

B567 STAINLESS STEEL PIPE SEAL

Provides an instant seal at low pressures on stainless steel, copper and other metals. Lubricating Teflon particles smooth assembly and increase sealing tightness. Vibration proof and can withstand pressure and temperature changes. Temp range: -55°C to 150°C

Size	Part No.
65ml	B567-65
250ml	B567-250

B577 PIPESEAL **AGA APPROVAL 7714**

NATO No. 8030-99-238-2016

Ideal for sealing pipes, pipe fittings and plugs, gives an instant low pressure seal. Seals pipes and threads up to 75mm, replaces pastes, hemp and Teflon tape. Allows repositioning of parts or fittings. Will not shred, creep or shrink. Resists 10 bar pressure. Temp range: -55°C to 150°C

Size	Part No.
50ml	B577-50
250ml	S72-250

EPOXY REPAIR STICKS

EPOXY STICKS.

A range of epoxy sticks for bonding and making repairs to steel, aluminium and plastic. Simple to mix, work in the hand and apply. Will not slump or drip. 5 minute cure. Temperature range -40 to +80°C

Size	Part No.	
114gm	Steel B2001-114	
114gm	Alum B2002-114	
114gm	Plastic B2003-114	

HAND CLEANER



BONDLOC GREASE MONKEY

A semi-gel cleaner that rapidly removes grease, household paints, general dirt and grime without using petroleum based products. Contains poly beads to assist cleaning. It is orange in colour with a Citrus odour. Technical Data Sheet and Material Safety Data sheet Are available on request.

Size	Part No.	
10ltr	24-BGM-10	
5ltr	24-BGM-5	
500ml	24-BGM-500	

THREAD TAPES

CODE	DESCRIPTION
24001	12mm x 10mtr white Teflon tape
24004	12mm x 6mtr pink plumbers tape
24005	12mm x 10mtr gas tape
24013	12mm x 6mtr Stainless Steel Tape



TERMS AND CONDITIONS OF SALE

1. General:

- (a) In these conditions "the Company" means Industrial Fittings Sales (NSW) Pty Ltd.
- (b) These Terms and Conditions cancel any previously published by the Company.

2. Pricing:

- (a) The prices contained in this price list are based upon current costs at time of publication and are subject to alteration without prior notice to the buyer.
- (b) Unless subject to a written quotation, any prices given for supply of goods will only be valid for a period of 30 days.
- (c) The prices contained in this price list do not include Tax and 10% GST will be charged to the buyer at time of sale.

3. Payment:

- (a) Invoices will be payable by the end of the month following the month of invoicing.
- (b) Unless otherwise agreed to by a duly authorised employee of the Company, if payments are not received by the fifteenth day after the due date credit facilities may be suspended without notice.
- (c) A 1.3% fee applies to any credit account paid by credit card.

4. Credit Claims / Returns:

- (a) Claims for shortages or incorrect deliveries will not be recognised unless made within five working days of receipt of goods.
- (b) Claims for non-delivery must be made within ten working days of Statement date.
- (c) Claims will not be recognised unless invoice number is quoted.
- (d) Goods specially ordered or manufactured to customer specifications will not be accepted for credit.
- (e) Goods accepted by the Company as faulty will be credited at invoice value or replaced.
- (f) Any goods returned must be in saleable condition.
- (g) Returns will not be accepted unless prior arrangements have been made with the Company.
- (h) Freight charges on any goods returned will be the responsibility of the Purchaser unless otherwise agreed to by the Company prior to the return.
- (i) Any goods returned for credit, other than faulty or incorrectly delivered items, maybe at the Company's discretion, be subject to a restocking fee of 20% of invoice value.

5. Title:

Ownership in the goods sold will not pass until the Company has received payment in full, although risk in the goods will pass on delivery.

6. Liability:

- (a) Goods come with guarantees that cannot be excluded under Australian Consumer Law. (b) Where it is agreed that goods are faulty due to manufacture or materials you are entitled to a replacement or refund.
- (c) The warranty does not cover any failure resulting from inappropriate use or incidental damage.

7. Delivery:

- (a) Unless otherwise agreed, a freight charge will be made on each delivery unless the goods are despatched on the purchaser's carrier. Back orders will be delivered at the Company's expense. No Deliveries to residential addresses. Re-delivery and futile deliveries will be at the customers expense.
- (b) All orders in excess of \$400.00 will be delivered free into store with the exception of hose reels, stock bins, bundy tube and other bulk items which are likely to be cubed by the freight companies, freight for these bulk items will need to be negotiated at time of order.

