



ARDEL

OEM LIMITED



CATALOGUE



Who We Are

Ardel OEM Limited is an importer & distributor of Hydraulic and Industrial hose and associated components. We specialize in the supply of loose Hydraulic or Industrial hose and related components to customers throughout the UK and also manufacture complete hose assemblies for several UK based hydraulically powered equipment manufacturers. Based in the West Midlands we can supply throughout the UK usually overnight to most locations.

Ardel OEM Limited operates from a modern 24,500 square foot warehouse & manufacturing facility located in the Hilton Cross Business Park near Wolverhampton.

We are Situated very close to Junction 1 of the M54 motorway, (close proximity to junction 10a of the M6) so the access for commercial carriers or couriers is excellent.



Quality

Ardel OEM Limited's philosophy is simple. "Provide a high level of customer service using quality products". Our customers are the sole judge of these claims and we strive to make our performance exceed their expectations.

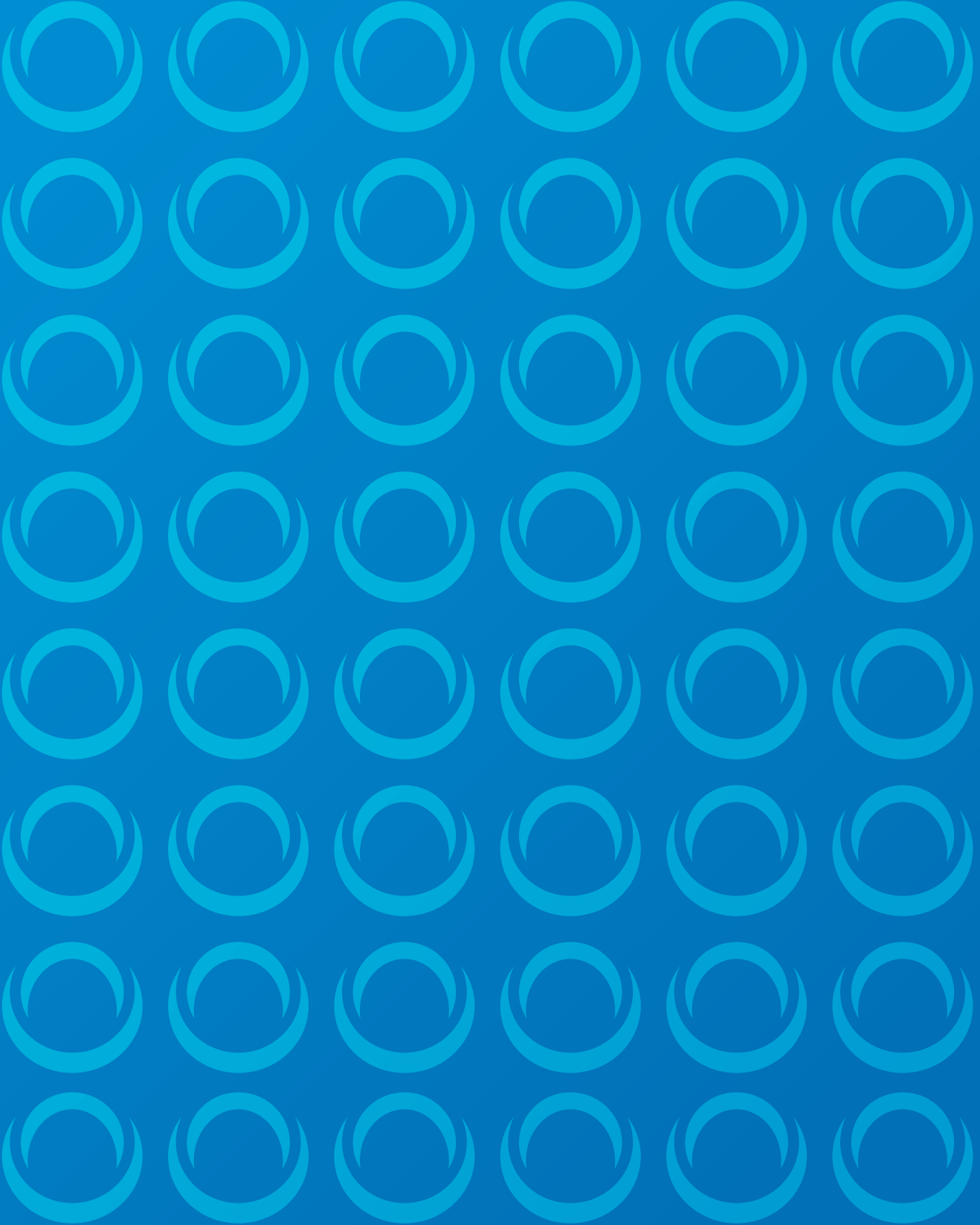
The cost and disruption caused by hose failures is significant and in some circumstances can lead to sizeable claims. Ardel place major emphasis on ensuring only quality products are supplied and hose assemblies are made to proven quality systems. Our goal is to reduce the potential risks for any premature failures and subsequently eliminate the hassles which arise when this occurs.

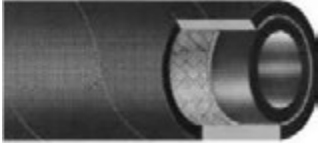
Our skilled staff can supply almost any type of hose assembly for almost every application ensuring compatible products are supplied and safe working practices are incorporated.

ARDEL PRODUCT CATALOGUE

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Section 1 | **Hydraulic Hose**





EN 853 1SN - 1 WIRE BRAID HOSE-SAE 100R1AT

R1AT

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
R1AT-04	06	1/4	11.1	13.2	3250	225	13000	900	3.94	100
R1AT-05	08	5/16	12.7	14.5	3100	215	12400	860	4.53	115
R1AT-06	10	3/8	15.1	17.2	2600	180	10400	720	4.92	125
R1AT-08	12	1/2	18.0	20.4	2300	160	9200	640	7.09	180
R1AT-10	16	5/8	21.2	23.5	1900	130	7600	520	7.87	200
R1AT-12	19	3/4	25.2	27.5	1500	105	6000	420	9.45	240
R1AT-16	25	1	33.1	35.4	1250	88	5000	352	11.81	300
R1AT-20	31	1.1/4	40.2	43.5	920	63	3680	252	16.54	420
R1AT-24	38	1.1/2	46.7	50	725	50	2900	200	19.69	500
R1AT-32	51	2	60.2	63.6	580	40	2320	160	24.80	630
R1AT-40	63	2.1/2	73	76.5	580	40	2320	160	29.92	760
R1AT-48	76	3	85	88.5	500	35	2000	140	35.43	900

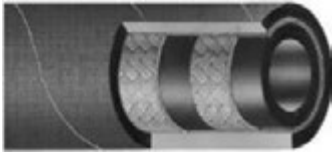
Liner: Synthetic oil resistant rubber

Reinforcement: One high tensile steel wire braid

Cover: Abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 100°C

Intermittent temperature: - 40°C to +120°C (10% of total working hours). For air application (max 70°C) & pressure above 17 bar cover must be pin pricked



EN 853 R2AT - 2 WIRE BRAID HOSE-SAE 100R2AT

R2AT

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
R2AT-04	06	1/4	12.7	15	5800	400	23200	1600	3.94	100
R2AT-05	08	5/16	14.3	16.4	5000	350	20000	1400	4.53	115
R2AT-06	10	3/8	16.7	18.8	4800	330	19200	1320	4.92	125
R2AT-08	12	1/2	19.8	22.2	4000	275	16000	1100	7.09	180
R2AT-10	16	5/8	23.0	25.2	3600	250	14400	1000	7.87	200
R2AT-12	19	3/4	27.0	29.3	3100	215	12400	860	9.45	240
R2AT-16	25	1	34.9	37.2	2400	165	9600	660	11.81	300
R2AT-20	31	1.1/4	44.5	47.3	1800	125	7200	500	16.54	420
R2AT-24	38	1.1/2	50.8	53.7	1300	90	5200	360	19.69	500
R2AT-32	51	2	63.5	66.7	1150	80	4600	320	24.8	630
R2AT-40	63	2.1/2	75.8	79.3	1000	69	4000	276	29.92	760
R2AT-48	76	3	87.8	91.3	725	50	2900	200	35.43	900

Liner: Synthetic oil resistant rubber

Reinforcement: Two high tensile steel wire braids

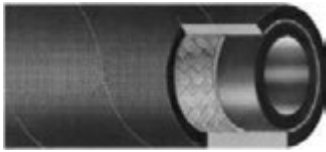
Cover: Abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 100°C

Intermittent temperature: - 40°C to +120°C (10% of total working hours). For air application (max 70°C) & pressure above 17 bar cover must be pin pricked.

Application: Medium to high pressure hydraulic lines.

Suitable for petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water-glycol based fluids and air.



EN 857 1SC - 1 WIRE BRAID COMPACT HOSE

1SC

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
1SC-04	06	1/4	10.4	12.7	4200	290	16800	1160	1.57	40
1SC-05	08	5/16	11.5	14.2	3600	250	14400	1000	2.17	55
1SC-06	10	3/8	13.6	16.6	3300	230	13200	920	2.56	65
1SC-08	12	1/2	17.0	20.0	3000	210	12000	840	3.54	90
1SC-10	16	5/8	20.4	23.0	1900	130	7600	520	5.91	150
1SC-12	19	3/4	23.8	26.7	1500	105	6000	420	7.09	180
1SC-16	25	1	31.3	34.0	1250	88	5000	352	9.06	230
1SC-20	31	1.1/4	40.2	44.6	1430	100	5800	400	11.81	300

Liner: Synthetic oil resistant rubber

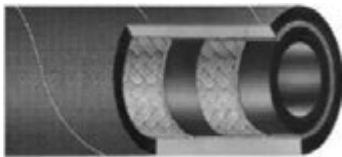
Reinforcement: One high tensile steel wire braid

Cover: Abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 100°C

Intermittent temperature: - 40°C to +120°C (10% of total working hours).

For air application (max 70°C) & pressure above 17 bar cover must be pin pricked.



EN 857 2SC - 2 WIRE BRAID COMPACT HOSE

2SC

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
2SC-04	06	1/4	11.2	13.8	5800	400	23200	1600	1.97	50
2SC-05	08	5/16	12.7	15.4	5000	350	20000	1400	2.17	55
2SC-06	10	3/8	15.1	17.3	4800	330	19200	1320	2.56	65
2SC-08	12	1/2	18.3	20.8	4000	275	16000	1100	3.54	90
2SC-10	16	5/8	21.4	24.7	3600	250	14400	1000	3.94	100
2SC-12	19	3/4	25.4	28.6	3100	215	12400	860	4.72	120
2SC-16	25	1	33.4	36.6	2400	165	9600	660	5.91	150
2SC-40	63	2.1/2	73.7	77.5	1000	70	4000	280	29.92	760
2SC-48	76	3	89.0	92.3	1000	70	4000	280	35.43	900

Liner: Synthetic oil resistant rubber

Reinforcement: Two high tensile steel wire braids

Cover: Abrasion, ozone & weather resistant synthetic rubber.

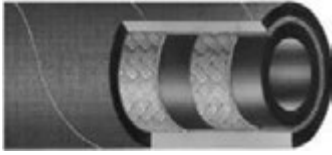
Working temperature: -40°C to 100°C

Intermittent temperature: - 40°C to +120°C (10% of total working hours).

For air application (max 70°C) & pressure above 17 bar cover must be pin pricked.

Application: Medium to high pressure hydraulic lines.

Suitable for petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water-glycol based fluids and air.



**EN 857 2SC - 2 WIRE BRAID
HOSE-SAE 100R16-S**

2SC-HP

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
2SC-04HP	06	1/4	11.5	13.8	6500	450	26000	1800	1.77	45
2SC-05HP	08	5/16	13.0	15.6	6000	420	24000	1680	2.36	60
2SC-06HP	10	3/8	15.0	17.8	5500	385	22000	1540	2.76	70
2SC-08HP	12	1/2	18.8	21.4	5000	345	20000	1380	3.54	90
2SC-10HP	16	5/8	21.6	24.4	4200	290	16800	1160	5.12	130
2SC-12HP	19	3/4	25.7	28.5	4000	280	16000	1120	6.30	160
2SC-16HP	25	1	34.1	36.6	3300	230	13200	920	9.45	240
2SC-20HP	31	1.1/4	40.5	44.7	2500	175	10200	700	11.81	300

Liner: Synthetic oil resistant rubber

Reinforcement: Two high tensile steel wire braids

Cover: Abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 100°C

Intermittent temperature: - 40°C to +120°C (10% of total working hours). For air application (max 70°C) & pressure above 17 bar cover must be pin pricked.

4SP 4 SPIRAL HOSE
- EN 856 4SP ISO 3862-1



4SP

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
4SP-04	06	1/4	14.6	17.0	6500	450	26000	1800	5.91	150
4SP-06	10	3/8	17.5	19.5	6500	450	26000	1800	7.09	180
4SP-08	12	1/2	20.3	22.3	6000	420	24000	1680	9.06	230
4SP-10	16	5/8	23.8	25.8	5000	350	20000	1400	9.84	250
4SP-12	19	3/4	28.2	30.2	5000	350	20000	1400	11.81	300
4SP-16	25	1	35.1	37.3	4000	280	16000	1120	11.81	300
4SP-20	31	1.1/4	43.6	45.8	3000	210	12000	840	16.54	420
4SP-24	38	1.1/2	50.1	52.3	3000	210	12000	840	19.69	500
4SP-32	51	2	63.6	66.3	3000	210	12000	840	24.80	630

Liner: Synthetic oil resistant rubber

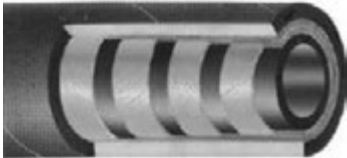
Reinforcement: Four high tensile steel wire spiral

Cover: High abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 100°C

Intermittent temperature: - 40°C to +120°C (10% of total working hours).

4SH 4 SPIRAL HOSE
- EN 856 4SH-ISO 3862-1



4SH

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
4SH-12	19	3/4	28.4	32.2	6000	420	24000	1680	11.02	280
4SH-16	25	1	35.2	38.7	5500	380	22000	1520	13.39	340
4SH-20	31	1.1/4	41.9	45.5	5000	350	20000	1400	18.11	460
4SH-24	38	1.1/2	48.8	53.5	4350	300	17400	1200	22.05	560
4SH-32	51	2	63.2	68.1	3600	250	14400	1000	27.56	700

Liner: Synthetic oil resistant rubber

Reinforcement: Four high tensile steel wire spiral

Cover: High abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 100°C

Intermittent temperature: - 40°C to +120°C (10% of total working hours).

**R13 SPIRAL HOSE-EN 856
R13-SAE100 R13-ISO 3862-1**



R13

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
R13-12	19	3/4	29.0	32.1	5000	350	20000	1400	9.45	240
R13-16	25	1	35.1	38.4	5000	350	20000	1400	11.81	300
R13-20	31	1.1/4	46.8	49.8	5000	350	20000	1400	16.54	420
R13-24	38	1.1/2	54.3	57.3	5000	350	20000	1400	19.69	500
R13-32	51	2	68.1	71.6	5000	350	20000	1400	24.80	630
R13-40	63	2.1/2	81.8	86	5000	350	20000	1400	31.50	800

Liner: Synthetic oil resistant rubber

Reinforcement: Four high tensile steel wire spiral on 3/8" to 1" & 6 spiral on 1.1/4" to 2"

Cover: High abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 121°C

Intermittent temperature: - 40°C to +125°C (10% of total working hours).

**R15 SPIRAL HOSE-SAE 100
R15-ISO 3862-1**



R15

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
R15-12	19	3/4	28.1	30.7	6000	420	24000	1680	11.02	280
R15-16	25	1	35.2	38.3	6000	420	24000	1680	13.39	340
R15-20	31	1.1/4	46.8	49.4	6000	420	24000	1680	16.54	420
R15-24	38	1.1/2	53.4	57.3	6000	420	24000	1680	20.08	510
R15-32	51	2	67.3	71.7	6000	420	24000	1680	24.80	630

Liner: Synthetic oil resistant rubber

Reinforcement: Four high tensile steel wire spiral on 3/8" to 1" & 6 spiral on 1.1/4" to 2"

Cover: High abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 121°C

Intermittent temperature: - 40°C to +125°C (10% of total working hours).

WATERBLAST 30



Part no. code	Size		Hose I.D [in]	Braid O.D [in]	Hose O.D [in]	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	Dash	DN				[psi]	[bar]	[psi]	[bar]	[mm]	[in]
WB1-04	04	6	1/4	0.579	0.705	11500	800	28750	2000	125	4.92
WB1-06	06	10	3/8	0.689	0.835	11500	800	28750	2000	155	6.10
WB1-08	08	12	1/2	0.795	0.961	11500	800	28750	2000	200	7.87
WB1-12	12	19	3/4	1.110	1.260	10000	700	25000	1750	250	9.84
WB1-16	16	25	1	1.382	1.512	10000	700	25000	1750	300	11.81

Application: High pressure Water Blasting and Jetting lines up to 825 bar.

WATERBLAST 40



Part no. code	Size		Hose I.D [in]	Braid O.D [in]	Hose O.D [in]	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	Dash	DN				[psi]	[bar]	[psi]	[bar]	[mm]	[in]
WB2-06	06	10	3/8	0.713	0.819	18000	1250	45000	3125	230	9.06
WB2-08	08	12	1/2	0.874	0.969	16000	1100	40000	2750	230	9.06
WB2-12	12	19	3/4	1.142	1.260	14500	1000	36250	2500	250	9.84

Application: High pressure Water Blasting and Jetting lines up to 1,100 bar.

WATERBLAST 50



Part no. code	Size		Hose I.D [in]	Braid O.D [in]	Hose O.D [in]	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	Dash	DN				[psi]	[bar]	[psi]	[bar]	[mm]	[in]
WB3-06	6	10	3/8	0.756	0.874	20000	1400	50000	3500	150	5.91
WB3-08	8	12	1/2	1.020	1.142	20000	1450	52500	3625	250	9.84
WB3-12	12	19	3/4	1.276	1.339	19500	1350	48750	3375	300	11.81

Application: High pressure Water Blasting and Jetting lines up to 825 bar.

Application: Requires compact outer dia. For use with water based cleaner fluids. Suitable for water jetting cleaning equipment.

Construction:

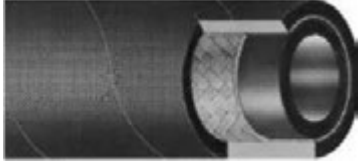
Core - Oil and Water resistant Synthetic rubber.

Reinforcement - four or size tensile steel wire spirals.

Cover - Black colour, Synthetic rubber resistant to oil, weather, Ozone and abrasion.

Temperature Standards: -40°C bis + 100°C

**1 WIRE BRAID POWERWASH
HOSE-EN 853 1SN 160°C (max)**



JW250

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
JW250-04	06	1/4	10.4	12.2	3600	250	14500	1000	2.95	75
JW250-05	08	5/16	11.5	13.6	3600	250	14500	1000	3.35	85
JW250-06	10	3/8	13.6	15.5	3600	250	14500	1000	3.54	90
JW250-08	12	1/2	17.0	19.0	3600	250	14500	1000	5.12	130

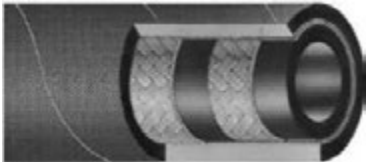
Liner: Synthetic water resistant rubber

Reinforcement: One high tensile steel wire braid

Cover: Heat, abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 160°C

**2 WIRE BRAID POWERWASH
HOSE-EN 853 2SN 160°C (max)**



JW400

Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
JW400-04	06	1/4	11.3	13.4	5800	400	23200	1600	2.95	75
JW400-05	08	5/16	12.9	15.0	5800	400	23200	1600	3.35	85
JW400-06	10	3/8	15.0	17.1	5800	400	23200	1600	3.54	90
JW400-08	12	1/2	18.6	20.7	5800	400	23200	1600	5.12	130

Liner: Synthetic water resistant rubber

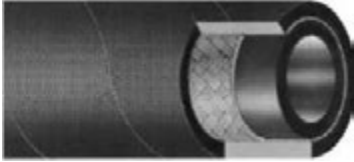
Reinforcement: Two high tensile steel wire braids

Cover: Heat, abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 160°C

**1 WIRE BRAID POWERWASH HOSE-
WP 250 Bar/3625 psi 160°C (max) 1SC**

JW250 (Blue)



Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
JW250-04B	06	1/4	10.4	12.2	3600	250	14500	1000	2.95	75
JW250-05B	08	5/16	11.5	13.6	3600	250	14500	1000	3.35	85
JW250-06B	10	3/8	13.6	15.5	3600	250	14500	1000	3.54	90
JW250-08B	12	1/2	17.0	19.0	3600	250	14500	1000	5.12	130

Liner: Synthetic water resistant rubber

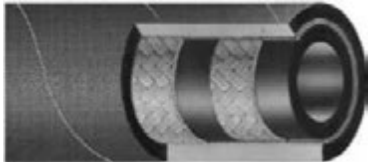
Reinforcement: Two high tensile steel wire braids

Cover: Heat, abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 160°C

**2 WIRE BRAID POWERWASH HOSE-WP
400 Bar/5800 psi 160°C (max) 2SC**

JW400 (Blue)



Part no. Code	Hose I.D.		Nominal Braid Dia	Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.			[PSI]	[bar]	[PSI]	[bar]	[in]	[mm]
JW400-04B	06	1/4	11.3	13.4	5800	400	23200	1600	2.95	75
JW400-05B	08	5/16	12.9	15.0	5800	400	23200	1600	3.35	85
JW400-06B	10	3/8	15.0	17.1	5800	400	23200	1600	3.54	90
JW400-08B	12	1/2	18.6	20.7	5800	400	23200	1600	5.12	130

Liner: Synthetic water resistant rubber

Reinforcement: Two high tensile steel wire braids

Cover: Heat, abrasion, ozone & weather resistant synthetic rubber.

Working temperature: -40°C to 160°C

OIL SUCTION / DELIVERY HOSE

SDH



Part no. Code	Hose I. D.		Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Vacuum m.H ₂ O	Min. Bend Radius [mm]	W/A [g/m]
	[in]	[mm]		[bar]	[psi]	[bar]	[psi]			
SDH-12	3/4	19	29	21	300	8	1200	0.8	95	600
SDH-16	1	25	35	17	250	68	1000	0.8	125	700
SDH-20	1 1/4	31	42	14	200	56	800	0.8	160	900
SDH-24	1 1/2	38	49	10	150	40	600	0.8	200	1100
SDH-32	2	51	62	7	100	28	400	0.8	255	1350
SDH-40	2 1/2	63	76	5	70	16	240	0.8	315	1190
SDH-48	3	76	89	5	70	16	240	0.8	380	2500
SDH-64	4	102	115	2	35	8	140	0.8	510	3800

Tube: Oil and petrol resistant, conductive synthetic nitrile black rubber.
Reinforcement: High tensile synthetic textile, steel wire helix and anti-static copper wire.
Cover: Oil, weather, ozone, abrasion and sea water resistant, special synthetic rubber.
Application: For suction and discharge of petroleum products with aromatic content up to 50%.

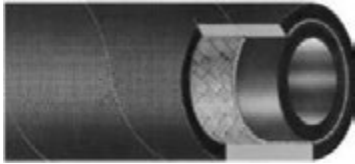
MULTI-PURPOSE HOSE



Part no. code	Hose I. D.		Nominal Hose OD	Max. Working Pressure		Max. Working Pressure		Min. Bend Radius [mm]	W/A [g/m]
	[in]	[mm]		[bar]	[psi]	[bar]	[psi]		
MP-04	1/4	6	14	25	375	79	1185	70	180
MP-05	5/16	8	16	25	375	79	1185	90	215
MP-06	3/8	10	18	25	375	79	1185	110	245
MP-08	1/2	13	21	25	375	79	1185	130	290
MP-10	5/8	16	25	25	375	79	1185	170	395
MP-12	3/4	19	29	25	375	79	1185	200	515
MP-16	1	25	36	25	375	79	1185	260	720

Reinforcement: High tensile synthetic fibres, extremely flexible
Cover: Black, Smooth, Abrasion, Oil, Aging and Weather Resistant CR Based Compound
Application: Suitable for oil, fuel, air, water and petroleum based solution. Also suitable for unleaded fuel.

SAE 100 R6 HOSE

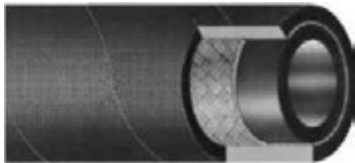


AIR

Part no. code	Hose I.D.		Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP		[psi]	[bar]	[psi]	[bar]	[in]	[mm]
AIR-04	6	1/4"	13	300	20	900	60	2,00	48
AIR-05	8	5/16"	15	300	20	900	60	2,50	64
AIR-06	10	3/8"	17	300	20	900	60	3,00	80
AIR-08	13	1/2"	21	300	20	900	60	4,00	104
AIR-10	16	5/8"	25	300	20	900	60	5,00	128
AIR-12	19	3/4"	29	300	20	900	60	6,00	152
AIR-16	25	1"	36	300	20	900	60	8,00	200

Tube: Black synthetic elastomer. Oil mist resistant.
Reinforcement: High tensile textile cords.
Cover: Black synthetic elastomer with longitudinal yellow stripes abrasive and ozone resistant.
 Working temperature: -10°C to +60°C

SAE 100 R6 HOSE



R6

Part no. code	Hose I.D.		Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP		[psi]	[bar]	[psi]	[bar]	[in]	[mm]
100R6-04	6	1/4"	12.3	400	28	1600	112	2.56	65
100R6-05	8	5/16"	13.9	400	28	1600	112	3.15	80
100R6-06	10	3/8"	15.5	400	28	1600	112	3.15	80
100R6-08	12	1/2"	19.5	400	28	1600	112	3.94	100
100R6-10	16	5/8"	22.6	350	24	1400	96	4.92	125
100R6-12	19	3/4"	25.8	300	21	1200	84	5.91	150
100R6-16	25	1"	33.2	290	20	1160	80	6.69	170

Tube: Hydraulic oil resistant special synthetic rubber.
Reinforcement: High tensile synthetic textile braid.
Cover: Oil, abrasion, ozone and weather resistant black synthetic rubber.
Application: For Hydraulic control lines, discharge under pressure of hydraulic fluids, fuel, grease, air and water.

CLEAR BRAIDED PVC HOSE



DH.751

Part no. code	Hose		External Dia. [mm]	Working Pressure [Bar]	Min. Bending Radius [mm]	Weight [kg/coil]	Coil Length [m]
	[mm]	[in]					
DH-751-05	5.0	3/16	10.0	25.0	32.5	2.25	30
DH-751-06	6.3	1/4	11.4	22.0	41.0	2.70	30
DH-751-08	8.0	5/16	13.2	21.0	52.0	3.30	30
DH-751-10	10.0	3/8	1.0	20.0	65.0	4.62	30
DH-751-13	12.5	1/2	18.2	16.0	81.3	5.34	30
DH-751-16	16.0	5/8	23.0	15.0	104.0	8.40	30
DH-751-19	19.0	3/4	25.6	15.0	123.5	9.09	30
DH-751-25	25.0	1	32.6	13.0	162.5	13.41	30
DH-751-32	32.0	1 1/4	41.6	8.0	208.0	21.72	30
DH-751-38	38.0	1 1/2	48.0	8.0	247.0	26.37	30
DH-751-51	50.0	2	61.6	7.0	325.0	39.42	30

Description: A lightweight PVC hose, reinforced with high tensile polyester fibres. HN braided PVC Hose is tough, flexible and extremely durable under normal operating conditions. Manufactured from materials containing FDA approved ingredients, HN braided PVC hose is suitable for food applications. It is resistant to a wide range of chemicals. Minimum frictional loss is achieved by the smooth bore.

Applications: HN can be used to convey many liquids and gases under pressure. Applications include factory air lines, pneumatic equipment & general workshop use.

Construction: Two layers of clear flexible PVC bonded together encapsulating high tensile polyester fibres.

Special Features:

- Optimum flow is maintained by the smooth bore
- Excellent transparency, enabling blockages to be located
- Highly flexible
- Good resistance to a wide range of chemicals
- Non toxic suitable for food use
- Manufactured to comply with ISO 5774, BS6066:1981 & BS EN ISO 6224 :1997

Colour: Standard - Clear

Red, Blue & Black available
HN30 to HN90
Other colours available subject to minimum order

Size Range: 3/16" to 2"

Standard Length: 30 metres / supplied in a coil

Subject to minimum order quantity, longer lengths are available to order

Temperature Range: -15°C to +65°C

CLEAR PVC HOSE



PVCC

Part no. code	Hose		External Dia. [mm]	Working Pressure [Bar]	Min. Bending Radius [mm]	Weight [kg/coil]	Coil Length [m]
	[mm]	[in]					
PVCC-03	5	3/16"	7	N/A	N/A	2.00	30
PVCC-04	6	1/4"	8	N/A	N/A	2.20	30
PVCC-05	8	5/16"	11	N/A	N/A	3.00	30
PVCC-06	9	3/8"	12	N/A	N/A	4.10	30
PVCC-08	12	1/2"	15	N/A	N/A	4.98	30
PVCC-10	16	5/8"	19	N/A	N/A	7.91	30
PVCC-12	19	3/4"	22.5	N/A	N/A	8.01	30
PVCC-16	25	1"	31.0	N/A	N/A	12.00	30

METRIC NYLON TUBE



NT

Part no. code	Size mm	Hose		Coil Lengths	Max. Working Pressure	Min. Burst Pressure
		[O.D]	[I.D]			
NT4	4	4	3	30	300	1200
NT5	5	5	3	30	400	1600
NT6	6	6	4	30	350	1400
NT8	8	8	6	30	350	1400
NT10	10	10	7	30	300	1200
NT12	12	12	9	30	250	1000

Manufactured from extremely high grade nylon granules, this hose gives almost total resistance to abrasion and many more chemicals including dilute acid and alkaline. Very stable in moisture type atmospheres.

The properties of this tube make it ideal for use in pneumatic control systems, fuel lines, lubrication and also within the food, beverage and brewing industry (ideally suited for use with push-in fittings).

High resistance to moisture absorption. Suitable for use in air brake systems. Suitable for fuel and lubrication systems. 4 to 1 Safety factor. Working pressure will differ at higher temperatures.

IMPERIAL NYLON TUBE

NT



Part no. Code	Size [in]	Hose		Coil Lengths	Max. Working Pressure	Min. Burst Pressure
		[O.D]	[I.D]			
NT1/8	1/8	1/8	0.075	30	300	1200
NT3/16	3/16	3/16	0.117	30	300	1600
NT1/4	1/4	1/4	0.170	30	300	1400
NT5/16	5/16	5/16	0.212	30	250	1400
NT3/8	3/8	3/8	0.250	30	250	1200
NT1/2	1/2	1/2	0.375	30	250	1000
NT5/8	5/8	5/8	0.500	30	200	800
NT3/4	3/4	3/4	0.594	30	200	800
NT1	1	1	0.813	30	180	720

U.V stable and Silicone Free

Manufactured from top quality crystal clear "virgin" Nylon compound. This hose is ideal for factory airlines, fluid systems and many industrial applications.

The hose is resistant to a wide range of chemicals (please consult our sales office for further details).

SMOOTH BORE PTFE HOSE WITH 304 STAINLESS STEEL ONE WIRE BRAID

TBTH



Part no. code	Nominal I. D. Bore Size	Nominal I. D Bore Size	Working Pressure Bar at 20C	Burst Pressure	Mild Steel Ferrule Part No.	Stainless Steel Ferrule Part No.	Weight gr/m
TBTH-03	3/16"	4.80	264	793	HEFF-03-MS	HEFF-03-SS	89
TBTH-04	1/4"	6.70	224	672	HEFF-04-MS	HEFF-04-SS	92
TBTH-05	5/16"	7.95	200	614	HEFF-05-MS	HEFF-05-SS	126
TBTH-06	3/8"	10.00	183	552	HEFF-06-MS	HEFF-06-SS	148
TBTH-08	1/2"	13.40	161	483	HEFF-08-MS	HEFF-08-SS	249
TBTH-10	5/8"	16.60	114	345	HEFF-10-MS	HEFF-10-SS	290
TBTH-12	3/4"	19.80	103	310	HEFF-12-MS	HEFF-12-SS	339
TBTH-16	1"	26.10	80	241	HEFF-16-MS	HEFF-16-SS	461

Special Features: Inert to virtually all chemicals. Resistance to weathering/ageing, unaffected by UV light, resistant to oxidation, non-flammable, low permeability, solvent resistant and a wide operating temperature range.

Applications: Low Pressure Hydraulics, Food, Distilling, Air Conditioning, Marine, Chemical, Industrial Gases, Process Plant etc.

Liner: Smooth PTFE

Cover: One high tensile 304 stainless steel wire braid.

Working temperature : -60°C to 260°C

CONVOLUTED BORE PTFE HOSE WITH 304 STAINLESS STEEL ONE WIRE BRAID

HFXSS



Part no. code	Nominal I. D. Bore Size	Nominal I. D Bore Size	Working Pressure Bar	Burst Pressure	Mild Steel Ferrule Part No.	Stainless Steel Ferrule Part No.	Weight gr/m
HFXSS-04	1/4"	6.4/7.4	130	520	HEFF-04-MS	HEFF-04-SS	177
HFXSS-06	3/8"	10/11	125	500	HEFF-06-MS	HEFF-06-SS	212
HFXSS-08	1/2"	13/14.5	110	440	HEFF-08-MS	HEFF-08-SS	303
HFXSS-10	5/8"	16/17	80	320	HEFF-10-MS	HEFF-10-SS	361
HFXSS-12	3/4"	19.5/20.5	70	280	HEFF-12-MS	HEFF-12-SS	430
HFXSS-14	7/8"	22/23	60	240	HEFF-14-MS	HEFF-14-SS	653
HFXSS-16	1"	25.4/26.4	50	200	HEFF-16-MS	HEFF-16-SS	653

Special Features: Inert to virtually all chemicals. Resistance to weathering/ageing, unaffected by UV light, resistant to oxidation, non-flammable, low permeability, solvent resistant and a wide operating temperature range.

Applications: Low Pressure Hydraulics, Food, Distilling, Air Conditioning, Marine, Chemical, Industrial Gases, Process Plant etc.

Liner: Convoluted PTFE

Cover: One high tensile 304 stainless steel wire braid.

Working temperature : -60°C to 260°C

Please Note: our PTFE Ferrules suit both smooth and convoluted hose so no need to dual stock.

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Dimensions, Data and Prices shown may be changed without prior notice.

2 POLYESTER BRAID THERMOPLASTIC HOSE -SAE 100 R7-EN 855 R7

3130S



Part no. code	Hose D.		Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.		[in]	[in]	[mm]	[mm]	[in]	[mm]
3130-03S	05	3/16"	10.0	3045	210	12180	840	1.18	30
3130-04S	06	1/4"	11.8	2900	200	11600	800	1.38	35
3130-05S	08	5/16"	14.3	2755	190	11020	760	1.77	45
3130-06S	10	3/8"	16.0	2537	175	10150	700	2.17	55
3130-08S	12	1/2"	20.3	2030	140	8120	560	2.95	75
3130-12S	19	3/4"	26.5	1305	90	5220	360	5.71	145
3130-16S	25	1"	32.5	1015	70	4060	280	7.87	200

Liner: Thermoplastic techno polymer.

Reinforcement: Two synthetic fibre braids.

Cover: Abrasion resistant black polyurethane.

Working temperature : -40°C to 100°C (-40°C to 70°C water & air)

2 POLYESTER BRAID THERMOPLASTIC TWIN HOSE -SAE 100 R7-EN 855 R7

3130T



Part no. Code	Hose I. D.		Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.		[in]	[in]	[mm]	[mm]	[in]	[mm]
3130-03T	05	3/16"	10.0	3045	210	12180	840	1.18	30
3130-04T	06	1/4"	11.8	2900	200	11600	800	1.38	35
3130-05T	08	5/16"	14.3	2755	190	11020	760	1.77	45
3130-06T	10	3/8"	16.0	2537	175	10150	700	2.17	55
3130-08T	12	1/2"	20.3	2030	140	8120	560	2.95	75
3130-12T	19	3/4"	26.5	1305	90	5220	360	5.71	145
3130-16T	25	1"	32.5	1015	70	4060	280	7.87	200

Liner: Thermoplastic techno polymer.

Reinforcement: Two synthetic fibre braids.

Cover: Abrasion resistant black polyurethane.

Working temperature : -40°C to 100°C (-40°C to 70°C water & air)

**ARAMID BRAID THERMOPLASTIC HOSE
-SAE 100 R8-EN 855 R8**

100R8 S



Part no. Code	Hose I. D.		Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.		[in]	[in]	[mm]	[mm]	[in]	[mm]
100R8-03S	05	3/16"	10.0	5075	350	20300	1400	1.38	35
100R8-04S	06	1/4"	11.8	5075	350	20300	1400	1.97	50
100R8-05S	08	5/16"	14.3	4712	325	18850	1300	2.36	60
100R8-06S	10	3/8"	16.0	4060	280	16240	1120	2.76	70
100R8-08S	12	1/2"	20.3	3552	245	14210	980	3.74	95
100R8-12S	19	3/4"	26.5	2392	165	9570	660	5.91	150
100R8-16S	25	1"	34.7	2100	145	8410	580	7.87	200

Liner: Thermoplastic techno polymer.

Reinforcement: Two aramidic Kevlar fibre braids.

Cover: Abrasion resistant black polyurethane.

Working temperature : -40°C to 100°C (-40°C to 70°C water & air)

**2 ARAMID BRAID THERMOPLASTIC TWIN HOSE
-SAE 100 R8-EN 855 R8**

100R8 T



Part no. Code	Hose I. D.		Nominal Hose OD	Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	DIN	IMP.		[in]	[in]	[mm]	[mm]	[in]	[mm]
100R8-03T	05	3/16"	10.0	5075	350	20300	1400	1.38	35
100R8-04T	06	1/4"	11.8	5075	350	20300	1400	1.97	50
100R8-05T	08	5/16"	14.3	4712	325	18850	1300	2.36	60
100R8-06T	10	3/8"	16.0	4060	280	16240	1120	2.76	70
100R8-08T	12	1/2"	20.3	3552	245	14210	980	3.74	95
100R8-12T	19	3/4"	26.5	2392	165	9570	660	5.91	150
100R8-16T	25	1"	34.7	2100	145	8410	580	7.87	200

Liner: Thermoplastic techno polymer.

Reinforcement: Two aramidic Kevlar fibre braids.

Cover: Abrasion resistant black polyurethane.

Working temperature : -40°C to 100°C (-40°C to 70°C water & air)

R7 ORANGE NON-CONDUCTIVE HOSE



3130- S-NON

Part no. code	Size		Max. working Pressure		Min. Burst Pressure		Min. Bend Radius [mm]
	Internal [in]	External [in]	[bar]	[psi]	[bar]	[psi]	
3130-02S-NON	1/8	0.335	230	3335	920	13340	25
3130-03S-NON	3/16	0.394	210	3045	840	12180	30
3130-04S-NON	1/4	0.465	200	2900	800	11600	35
3130-05S-NON	5/16	0.563	190	2755	760	11020	45
3130-06S-NON	3/8	0.630	175	2537	700	10150	55
3130-08S-NON	1/2	0.799	140	2030	560	812	75
3130-10S-NON	5/8	0.925	105	1522	420	6090	120
3130-12S-NON	3/4	1.043	90	1305	360	5220	145
3130-16S-NON	1	1.280	70	1015	280	4060	200

Features: Internal core in thermoplastic polyester, reinforcement in polyester fibre, exterior covering I orange, anti-abrasion not micro perforated polyurethane stabilized to UV rays and resistant to micro-organisms.

Utilization temperature: -40°C to 100°C (-40°C to 70°C water, air & fluids).

Specifications: These hoses meet or exceed standards SAE J517 sec SAE 100R& - EN 855 - ISO 3949 and complies with ANSI A92.2 for vehicle-mounted aerial devices.

R8 ORANGE NON-CONDUCTIVE HOSE



100R8-S -NON

Part no. code	Size		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius [mm]
	Internal [in]	External [in]	[bar]	[psi]	[bar]	[psi]	
100R8-02S-NON	1/8	0.280	420	6090	1680	24360	30
100R8-03S-NON	3/16	0.394	350	5075	1400	20300	35
100R8-04S-NON	1/4	0.465	350	5075	1400	20300	50
100R8-05S-NON	5/16	0.563	325	4712	1300	18850	60
100R8-06S-NON	3/8	0.630	280	4060	1120	16240	70
100R8-08S-NON	1/2	0.799	245	355	80	14210	95
100R8-10S-NON	5/8	0.925	195	2827	780	11310	125
100R8-12S-NON	3/4	1.043	165	2392	660	9570	150
100R8-16S-NON	1	1.366	145	2102	580	8410	200

Features: Internal core in thermoplastic polyester, reinforcement in polyester fibre, exterior covering I orange, anti-abrasion not micro perforated polyurethane stabilized to UV rays and resistant to micro-organisms.

Utilization temperature: -40°C to 100°C (-40°C to 70°C water, air & fluids).

Specifications: These hoses meet or exceed standards SAE J517 sec SAE 100R& - EN 855 - ISO 3949 and complies with ANSI A92.2 for vehicle-mounted aerial devices.

700 BAR THERMOPLASTIC HOSE



MTKH

Part no. code	Size		Hose I.D.		Hose O.D.		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Dash	DN	[in]	[mm]	[in]	[mm]	[bar]	[psi]	[bar]	[psi]	[mm]
MTKH-04	4	6	1/4	6.4	0.571	14.5	700	10150	2800	40600	40
MTKH-06	6	10	3/8	3/8	0.740	18.8	700	10150	2800	40600	90



SEWER JETTING HOSE ORANGE

SJO

Part no. code	Size		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Internal [in]	External [in]	[bar]	[psi]	[bar]	[psi]	[mm]
SJO-08	3/8	0.650	275	4000	690	10000	55
SJO-12	1/2	0.882	275	4000	690	10000	75
SJO-16	5/8	1.043	220	3200	550	7975	100
SJO-20	3/4	1.173	200	2900	500	7250	120

Reels Length: **80-100-120-150-180-200-250m**

Technical-construction features: **Internal core in thermoplastic compound, reinforcement with two polyester fiber braids, exterior covering in anti-abrasion polyurethane.**

Application: **Hoses have been created for water applications in the high pressure cleaning field.**

Temperature: -40°C to 55°C.

1 WIRE THERMOPLASTIC HOSE



MT1

Part no. code	Size		Hose I.D.		Hose O.D.		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius [mm]
	Dash	DN	[in]	[mm]	[in]	[mm]	[bar]	[psi]	[bar]	[psi]	
MT1-02	2	3	1/8	3,2	0,270	6,9	350	5.000	1.400	20.000	25
MT1-03	3	5	3/16	4,8	0,380	9,7	300	4.300	1.200	17.200	30
MT1-04	4	6	1/4	6,4	0,460	11,7	275	3.900	1.100	15.600	40
MT1-05	5	8	5/16	8,0	0,535	13,6	240	3.500	960	14.000	50
MT1-06	6	10	3/8	9,6	0,600	15,2	220	3.200	880	12.800	60
MT1-08	8	12	1/2	12,7	0,725	18,4	175	2.500	700	10.000	75
MT1-10	10	16	5/8	15,9	0,875	22,2	140	2.000	560	8.000	110
MT1-12	12	20	3/4	19,1	1,010	25,7	115	1.600	460	6.400	150
MT1-16	16	25	1	25,4	1,275	32,4	100	1.450	400	5.800	230

Applications: Hydraulic Lines up to 350 bar.

Suitable for Hydraulic application with increased resistance to abrasion. For use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural machinery, Earthmoving, Telescopic booms and Material handling equipment. Can be used for industrial gases and other applications.

Construction: Core: Black colour, optional pin pricked - Polyurethane. Available in twin and multi lines with different hose combination and size. Special colours and private print upon request.

Temperature standards: -40°C to +100°C (not to exceed +70°C for Air and water based fluids).

2 WIRE THERMOPLASTIC HOSE



MT2

Part no. code	Size		Hose I. D.		Hose O.D.		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius [mm]
	Dash	DN	[in]	[mm]	[in]	[mm]	[bar]	[psi]	[bar]	[psi]	
MT2-02	3	5	3/16	4,8	0,460	11,7	40	6.500	1.800	26.000	80
MT2-03	4	6	1/4	6,4	0,540	13,7	430	6.250	1.720	25.000	100
MT2-04	5	8	5/16	8,0	0,600	15,2	380	5.500	1.520	22.000	110
MT2-05	6	10	3/8	9,6	0,690	17,5	330	4.800	1.320	19.200	127
MT2-06	6	12	1/2	12,7	0,830	21,1	270	3.900	1.080	15.600	178
MT2-08	10	16	5/8	15,9	0,975	24,8	210	3.000	840	12.000	203
MT2-10	12	20	3/4	19,1	1,120	28,4	175	2.500	700	10.000	250
MT2-12	16	25	1	25,4	1,360	34,5	150	2.200	600	8.800	305

Applications: Hydraulic Lines up to 450 bar.

Suitable for Hydraulic application with increased resistance to abrasion. For use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural machinery, Earthmoving, Telescopic booms and Material handling equipment. Can be used for industrial gases and other applications.

Construction: Core: Black colour, optional pin pricked - Polyurethane. Available in twin and multi lines with different hose combination and size. Special colours and private print upon request.

Temperature standards: -40°C to +100°C (not to exceed +70°C for Air and water based fluids).

1 WIRE PAINT SPRAY HOSE



PA1

Part no. code	Size		Hose I. D.		Hose O. D.		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Dash	DN	[in]	[mm]	[in]	[mm]	[bar]	[psi]	[bar]	[psi]	[mm]
PA1-2	2	4	1/8	3.2	0.27	6.9	467	7250	1400	20300	20
PA1-3	3	5	3/16	4.8	0.394	10.0	467	7250	1400	20300	30
PA1-4	4	6	1/4	6.4	0.469	11.9	400	6772	1200	17400	40
PA1-5	5	8	5/16	8.0	0.535	13.6	320	5800	960	13920	50
PA1-6	6	10	3/8	9.6	0.630	16.0	320	5800	960	13920	60
PA1-8	8	12	1/2	12.7	0.756	19.2	300	4640	900	13050	75

Technical-constructive features: Internal core in polyamide, reinforcement in high tensile steel braid exterior covering in anti-abrasion polyurethane, on request it is also available in micro perforated version for air and compatible gas.

Applications: Created for the high pressure conduction of Polys, Solvents, Paints and compatible gas.

Temperature: -40°C to +100°C

2 WIRE PAINT SPRAY HOSE



PA2

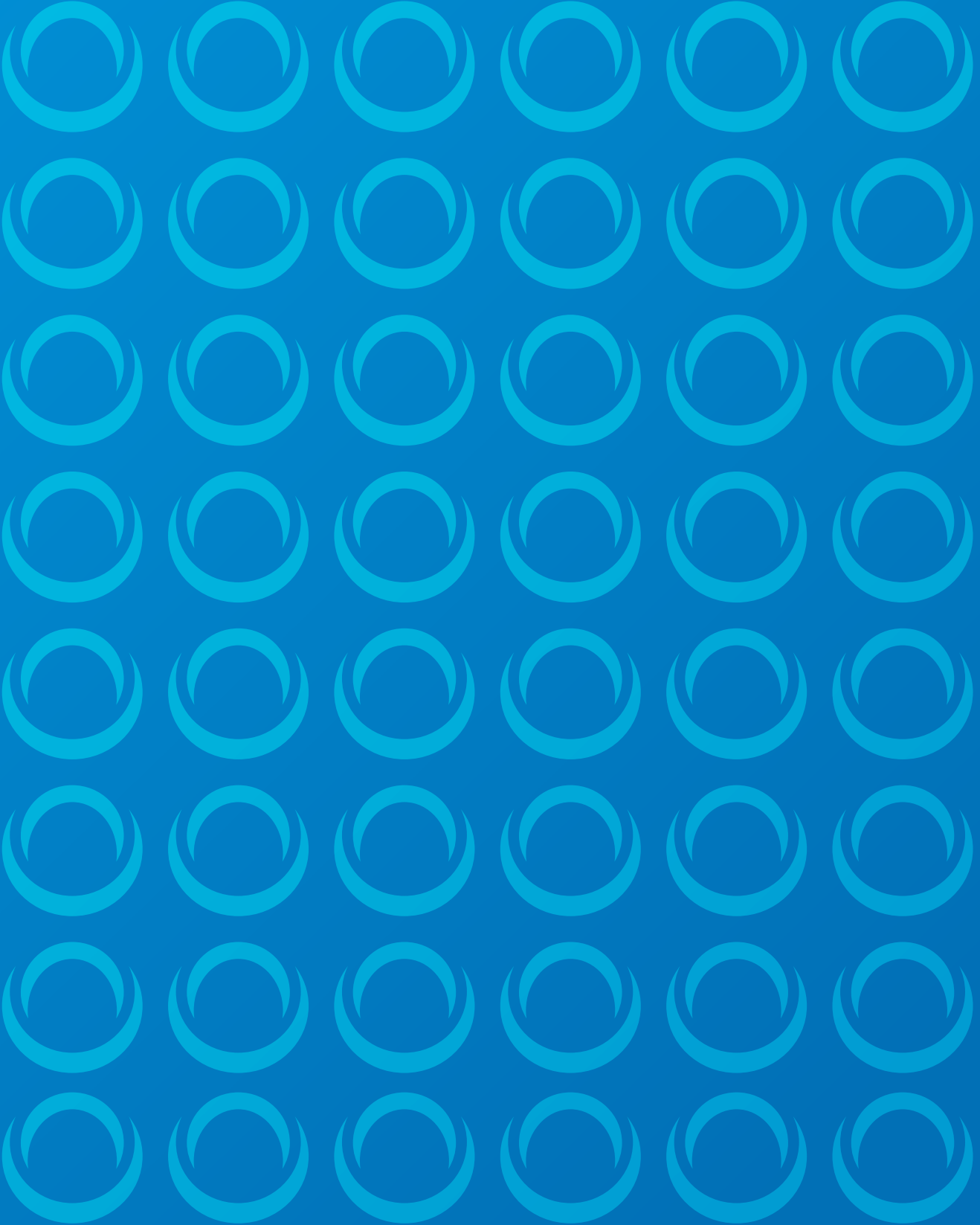
Part no. code	Size		Hose I. D.		Hose O. D.		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius
	Dash	DN	[in]	[mm]	[in]	[mm]	[bar]	[psi]	[bar]	[psi]	[mm]
PA2-4	4	6	1/4	6.4	0.531	13.5	475	6783	1900	27132	40
PA2-6	6	10	3/8	9.6	0.669	17.0	450	6426	1800	25704	50
PA2-8	8	12	1/2	12.7	0.866	22.0	350	5000	1400	20000	75
PA2-12	12	20	3/4	19.1	1.010	29.5	275	3927	1100	15708	96

Technical-constructive features: Internal core in polyamide, reinforcement in high tensile steel braid exterior covering in anti-abrasion polyurethane, on request it is also available in micro perforated version for air and compatible gas.

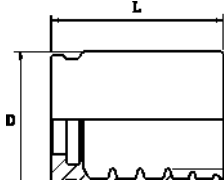
Applications: Created for the high pressure conduction of Polys, Solvents, Paints and compatible gas.

Temperature: -40°C to +100°C

Section 2 | **Hydraulic Fittings**



1SN/2SN FERRULE



NO SKIVE FERRULE

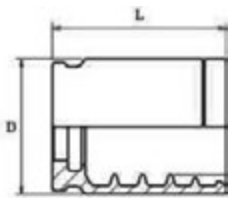
Hose: R1AT/1SN - R2AT/2SN - 2SC - R16

- a) R1AT/1SN
- b) R2AT/2SN
- c) 2SC
- d) R16

SN03T

part no. Code	Hose ID			D		L	
	[in]	[mm]	size	[in]	[mm]	[in]	[mm]
SN03T-03	3/16"	5	03	0,79	20	1,01	25.7
SN03T-04	1/4"	6	04	0,91	23	1,18	30
SN03T-05	5/16"	8	05	0,94	24	1,20	30.5
SN03T-06	3/8"	10	06	1,02	26	1,24	31.5
SN03T-08	1/2"	12	08	1,14	29	1,32	33.5
SN03T-10	5/8"	16	10	1,30	33	1,42	36
SN03T-12	3/4"	19	12	1,46	37	1,57	40
SN03T-16	1"	25	16	1,81	46	1,97	50
SN03T-20	1.1/4"	31	20	2,32	59	2,32	59
SN03T-24	1.1/2"	38	24	2,64	67	2,64	67
SN03T-32	2"	51	32	3,15	80	3,23	82
SN03T-40	2.1/2"	63	40	3,48	88.3	3,15	80
SN03T-48	3"	76	48	4,06	103	3,44	87.5

1SN FERRULES



NO SKIVE FERRULE

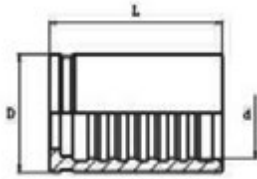
Hose: R1AT/1SN - 1SC - 2SC - R16 - R17

- a) R1AT/1SN
- b) 1SC
- c) 2SC
- d) R16
- e) R17

SCX0T

part no. Code	Hose ID			D		L	
	[in]	[mm]	size	[in]	[mm]	[in]	[mm]
SCX0T-03	3/16"	4.8	03	0.71	18	1.02	26
SCX0T-04	1/4"	6	04	0,79	20	1,02	26
SCX0T-05	5/16"	8	05	0,87	22	1,02	26
SCX0T-06	3/8"	10	06	0,94	24	1,02	26
SCX0T-08	1/2"	12	08	1,10	28	1,10	28
SCX0T-10	5/8"	16	10	1,26	32	1,14	29
SCX0T-12	3/4"	19	12	1,38	35	1,38	35
SCX0T-16	1"	25	16	1,73	44	1,73	44

SKIVE FERRULE



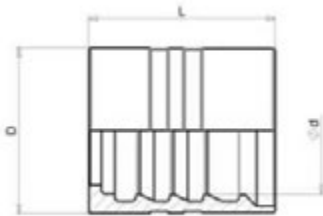
R7 + R6 SWAGED FERRULE

Hose : R7

- a) R7
- b) R6

S00TK

part no. code	hose ID			D		L		d		skive		Hose [mm]
	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]	[size]	[in]	
S00TK-03	3/16"	4,8	03	0,59	15,0	1,02	26,0	0,42	10,7			a; b; c;
S00TK-04	1/4"	6,4	04	0,71	18,0	1,14	29,0	0,51	13,0			a; b; c;
S00TK-05	5/16"	8,0	05	0,79	20,0	1,18	30,0	0,61	15,4			a; b; c;
S00TK-06	3/8"	9,5	06	0,87	22,0	1,26	32,0	0,67	17,0			a; b; c;
S00TK-08	1/2"	12,7	08	1,06	27,0	1,34	34,0	0,85	21,5			a; b; c;
S00TK-10	5/8"	16,0	10	1,34	34,0	1,52	38,5	1,02	25,8			a; b; c;
S00TK-12	3/4"	19,0	12	1,50	38,0	1,69	43,0	1,15	29,3			a; b; c;
S00TK-16	1"	25,4	16	1,81	46,0	2,21	56,0	1,43	36,2	-	-	a; b; c;



4SP/4SH SWAGED FERRULE (SKIVE)

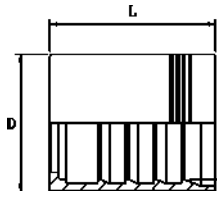
Hose :

- a) 4SP
- b) R12
- c) 4SH

4SP/4SH SKIVE FERRULE

S0420

part no. code	hose ID			D		L		d		skive		Hose [mm]
	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	
S0420-04	1/4"	6,4	04	0,82	21,0	1,18	30,1	0,60	15,4			a; b; d
S0420-06	3/8"	9,5	06	1,02	26,0	1,28	32,5	0,71	18,1			a; b; d
S0420-08	1/2"	12,7	08	1,18	30,0	1,34	34,0	0,87	22,0			a; b; d
S0420-10	5/8"	16,0	10	1,34	34,0	1,52	38,5	1,02	25,8			a; b; d
S0420-12	3/4"	19,0	12	1,50	38,0	1,69	43,0	1,15	29,3			a; b; c; d
S0420-16	1"	25,4	16	1,81	46,0	2,21	56,0	1,43	36,2			a; b; c; d
S0420-20	1.1/4"	31,8	20	2,21	56,0	2,60	66,0	1,84	46,7			a; b
S0420-24	1.1/2"	38,1	24	2,64	67,0	3,01	76,5	2,19	55,7			a; b
S0420-32	2"	50,8	32	3,15	80,0	3,14	79,8	2,71	68,8			a; b



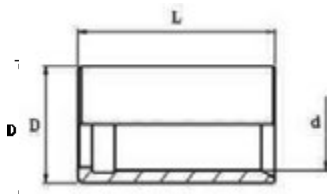
SWAGED FERRULE (NON SKIVE)

Hose :
a) 4SH
b) R12
c) 4SP

4SP/4SH NON SKIVE FERRULES

S312T

part no. code	[in]	hose ID [mm]	size	3				C-1		skive		Hose [mm]
				[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	
S312T-06	3/8"	9,5	06	1,02	26,0	1,28	32,5	0,71	18,1			a; b; d
S312T-08	1/2"	12,7	08	1,18	30,0	1,34	34,0	0,87	22,0			a; b; d
S312T-10	5/8"	16,0	10	1,34	34,0	1,52	38,5	1,02	25,8			a; b; d
S312T-12	3/4"	19,0	12	1,50	38,0	1,69	43,0	1,15	29,3			a; b; c; d
S312T-16	1"	25,4	16	1,81	46,0	2,21	56,0	1,43	36,2			a; b; c; d
S312T-20	1.1/4"	31,8	20	2,21	56,0	2,60	66,0	1,84	46,7			a; b
S312T-24	1.1/2"	38,1	24	2,64	67,0	3,01	76,5	2,19	55,7			a; b
S312T-32	2"	50,8	32	3,15	80,0	3,14	79,8	2,71	68,8			a; b



PTFE SWAGED FERRULE

Hose :
a) PTFE: SMOOTH
b) PTFE CONVOLUTED

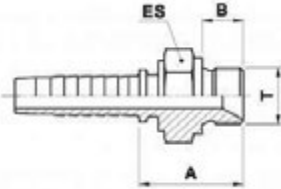
PTFE FERRULES

HEFF

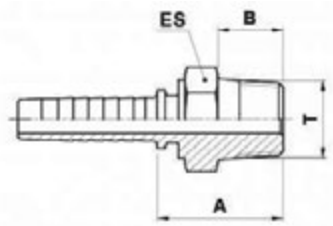
part no. code	[in]	hose ID		D		L		d		skive		Hose [mm]
		[mm]	size	[in]	[mm]	[in]	(mm)	[in]	[mm]	Size	[in]	
HEFF-03	3/16"	4,8	03	0,55	14,0	1,02	26,0	0,39	10,0			a
HEFF-04	1/4"	6,4	04	0,59	15,0	1,18	30,0	0,43	11,0			a
HEFF-05	5/16"	8,0	05	0,67	17,0	1,18	30,0	0,51	13,0			a
HEFF-06	3/8"	9,5	06	0,75	19,0	1,26	32,0	0,59	15,0			a
HEFF-08	1/2"	12,7	08	0,95	24,0	1,34	34,0	0,73	18,5			a
HEFF-10	5/8"	16,0	10	1,10	28,0	1,46	37,0	0,87	22,0			a
HEFF-12	3/4"	19,0	12	1,18	30,0	1,62	41,0	0,99	25,0			a
HEFF-16	1"	25,4	16	1,50	38,0	1,77	45,0	1,26	32,0			a
HEFF-20	1 1/4"	31,8	20	1,86	47,5	2,12	54,0	1,69	43,0			a
HEFF-24	1 1/2"	38,1	24	2,16	55,0	2,55	65,0	1,95	49,7			a
HEFF-32	2"	50,8	32	2,69	68,0	2,97	75,5	2,47	63,0	-	-	a

BSP PARALLEL MALE 60° FLARE

BPM1



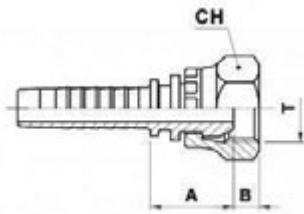
Part no. Code	Hose ID			Thread T	A		B		ES		
	[in]	[mm]	size		[mm]	[in]	[mm]	[in]	[mm]	[in]	[in]
BPM1-0203TP	3/16"	5	3	1/8" - 28	21,5	0,85	8	0,31	14	0,551	9/16"
BPM1-0403TP	3/16"	5	3	1/4" - 19	25,8	1,02	11	0,43	19	0,748	3/4"
BPM1-0204TP	1/4"	6	4	1/8" - 28	22	0,87	8	0,31	14	0,551	9/16"
BPM1-0404TP	1/4"	6	4	1/4" - 19	26,5	1,04	11	0,43	19	0,748	3/4"
BPM1-0604TP	1/4"	6	4	3/8" - 19	28	1,10	12	0,47	22	0,866	7/8"
BPM1-0804TP	1/4"	6	4	1/2" - 14	32	1,26	14	0,55	27	1,063	1.1/16"
BPM1-0405TP	5/16"	8	5	1/4" - 19	26,5	1,04	11	0,43	19	0,748	3/4"
BPM1-0605TP	5/16"	8	5	3/8" - 19	28,5	1,12	12	0,47	22	0,866	7/8"
BPM1-0805TP	5/16"	8	5	1/2" - 14	33,5	1,32	14	0,55	27	1,063	1.1/16"
BPM1-0406TP	3/8"	10	6	1/4" - 19	26,5	1,04	11	0,43	19	0,748	3/4"
BPM1-0606TP	3/8"	10	6	3/8" - 19	28,5	1,12	12	0,47	22	0,866	7/8"
BPM1-0806TP	3/8"	10	6	1/2" - 14	33,5	1,32	14	0,55	27	1,063	1.1/16"
BPM1-0608TP	1/2"	12	8	3/8" - 19	29	1,14	12	0,47	22	0,866	7/8"
BPM1-0808TP	1/2"	12	8	1/2" - 14	34	1,34	14	0,55	27	1,063	1.1/16"
BPM1-1008TP	1/2"	12	8	5/8" - 14	33,5	1,32	16	0,63	30	1,181	1.3/16"
BPM1-1208TP	1/2"	12	8	3/4" - 14	36	1,42	16	0,63	32	1,260	1.1/4"
BPM1-0810TP	5/8"	16	10	1/2" - 14	34	1,34	14	0,55	27	1,063	1.1/16"
BPM1-1010TP	5/8"	16	10	5/8" - 14	33,5	1,32	16	0,63	30	1,181	1.3/16"
BPM1-1210TP	5/8"	16	10	3/4" - 14	36	1,42	16	0,63	32	1,260	1.1/4"
BPM1-0812TP	3/4"	19	12	1/2" - 14	34,5	1,36	14	0,55	27	1,063	1.1/16"
BPM1-1212TP	3/4"	19	12	3/4" - 14	36,5	1,44	16	0,63	32	1,260	1.1/4"
BPM1-1612TP	3/4"	19	12	1" - 11	40,5	1,59	19	0,75	41	1,614	1.5/8"
BPM1-1616TP	1"	25	16	1" - 11	42	1,65	19	0,75	41	1,614	1.5/8"
BPM1-2016TP	1"	25	16	1.1/4" - 11	47	1,85	20	0,79	50	1,969	2"
BPM1-2020TP	1.1/4"	31	20	1.1/4" - 11	48	1,89	20	0,79	50	1,969	2"
BPM1-2424TP	1.1/2"	38	24	1.1/2" - 11	50	1,97	22	0,87	55	2,165	2.3/16"
BPM1-3232TP	2"	51	32	2" - 11	63,5	2,50	25	0,98	70	2,756	2.3/4"



BSP TAPERED MALE 60° FLARE

BTM1

Part no. Code	Hose ID			Thread T	A		B		ES		
	[in]	[mm]	size		[mm]	[in]	[mm]	[in]	[mm]	[in]	[in]
BTM1-0203TP	3/16"	5	03	1/8-28	22,5	0,89	12	0,47	12	0,472	1/2"
BTM1-0403TP	3/16"	5	03	1/4-19	25,3	1,00	14	0,55	14	0,551	9/16"
BTM1-0204TP	1/4"	6	04	1/8-28	22,5	0,89	12	0,47	12	0,472	1/2"
BTM1-0404TP	1/4"	6	04	1/4-19	26,5	1,04	14	0,55	14	0,551	9/16"
BTM1-0604TP	1/4"	6	04	3/8-19	29	1,14	15	0,59	19	0,748	3/4"
BTM1-0605TP	5/16"	8	05	3/8-19	29	1,14	15	0,59	19	0,748	3/4"
BTM1-0406TP	3/8"	10	06	1/4-19	24,5	0,96	14	0,55	14	0,551	9/16"
BTM1-0606TP	3/8"	10	06	3/8-19	29	1,14	15	0,59	19	0,748	3/4"
BTM1-0806TP	3/8"	10	06	1/2-14	32	1,26	18	0,71	22	0,866	7/8"
BTM1-0608TP	1/2"	12	08	3/8-19	27,5	1,08	15	0,59	19	0,748	3/4"
BTM1-0808TP	1/2"	12	08	1/2-14	32,5	1,28	18	0,71	22	0,866	7/8"
BTM1-1208TP	1/2"	12	08	3/4-14	37	1,46	20	0,79	27	1,063	1.1/16"
BTM1-1010TP	5/8"	16	10	5/8-14	36	1,42	19	0,75	24	0,945	15/16"
BTM1-1210TP	5/8"	16	10	3/4-14	47	1,85	20	0,79	27	1,063	1.1/16"
BTM1-1212TP	3/4"	19	12	3/4-14	42,5	1,67	20	0,79	27	1,063	1.1/16"
BTM1-1612TP	3/4"	19	12	1-11	45,5	1,79	23	0,91	36	1,417	1.7/16"
BTM1-1616TP	1"	25	16	1-11	47	1,85	23	0,91	36	1,417	1.7/16"
BTM1-2020TP	1.1/4"	31	20	1.1/4-11	50	1,97	25	0,98	46	1,811	1.13/16"
BTM1-2424TP	1.1/2"	38	24	1.1/2-11	53	2,10	28	1,10	50	1,969	2"
BTM1-3232TP	2"	51	32	2-11	60	2,36	28	1,10	60	2,362	2.3/8"



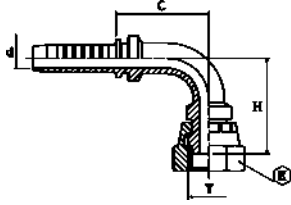
BSP FEMALE 60° FLARE

BF1

part no. code	Hose ID			thread T	A		B		CH		
	[in]	[mm]	size		[mm]	[in]	[mm]	[in]	[in]	[mm]	[in]
BF1-0203TP	3/16"	5	3	1/8" - 28	14,3	0,56	5,5	0,28	14	0,551	9/16"
BF1-0403TP	3/16"	5	3	1/4" - 19	16,8	0,66	4,2	0,17	19	0,748	3/4"
BF1-0204TP	1/4"	6	4	1/8" - 28	15	0,59	5,5	0,22	14	0,551	9/16"
BF1-0404TP	1/4"	6	4	1/4" - 19	17,8	0,70	4,2	0,17	19	0,748	3/4"
BF1-0604TP	1/4"	6	4	3/8" - 19	18,5	0,73	6	0,24	22	0,866	7/8"
BF1-0405TP	5/16"	8	5	1/4" - 19	17,8	0,70	4,2	0,17	19	0,748	3/4"
BF1-0605TP	5/16"	8	5	3/8" - 19	18,5	0,73	6	0,24	22	0,866	7/8"
BF1-0805TP	5/16"	8	5	1/2" - 14	20,5	0,81	7	0,28	27	1,063	1.1/16"
BF1-0406TP	3/8"	10	6	1/4" - 19	17,8	0,70	4,2	0,17	19	0,748	3/4"
BF1-0606TP	3/8"	10	6	3/8" - 19	18,5	0,73	6	0,24	22	0,866	7/8"
BF1-0806TP	3/8"	10	6	1/2" - 14	20,5	0,81	6,5	0,26	27	1,063	1.1/16"
BF1-0608TP	1/2"	12	8	3/8" - 19	19	0,75	6	0,24	22	0,866	7/8"
BF1-0808TP	1/2"	12	8	1/2" - 14	21	0,83	6,5	0,26	27	1,063	1.1/16"
BF1-1008TP	1/2"	12	8	5/8" - 14	18	0,71	9,5	0,37	27	1,260	1.1/16"
BF1-1208TP	1/2"	12	8	3/4" - 14	23,3	0,92	8,7	0,34	32	1,063	1.1/4"
BF1-1010TP	5/8"	16	10	5/8" - 14	18	0,71	9,5	0,37	27	1,260	1.1/16"
BF1-1210TP	5/8"	16	10	3/4" - 14	21,3	0,84	8,7	0,34	32	1,260	1.1/4"
BF1-1212TP	3/4"	19	12	3/4" - 14	21,8	0,86	8,7	0,34	32	1,496	1.1/4"
BF1-1612TP	3/4"	19	12	1" - 11	27	1,06	10,5	0,41	38	1,496	1.1/2"
BF1-1616TP	1"	25	16	1" - 11	28,5	1,12	10,5	0,41	38	1,969	1.1/2"
BF1-2016TP	1"	25	16	1.1/4" - 11	28,5	1,12	10	0,39	50	1,969	2"
BF1-2020TP	1.1/4"	31	20	1.1/4" - 11	35,9	1,41	10	0,39	50	1,969	2"
BF1-2420TP	1.1/4"	31	20	1.1/2" - 11	37,8	1,49	12	0,47	55	2,165	2.3/16"
BF1-2424TP	1/1.2"	38	24	1.1/2" - 11	35,8	1,57	12	0,47	55	2,165	2.3/16"
BF1-3232TP	2"	51	32	2" - 11	39,9	0,70	16	0,63	70	2,756	2.3/4"
BF1-4040TP	2.1/2"	63	40	2.1/2"-11							
BF1-4848TP	3"	76	48	3-11							

BSP FEMALE 60° FLARE 90° ELBOW

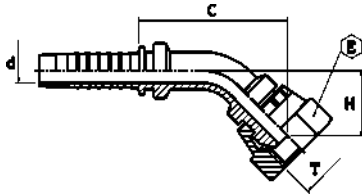
BF9



part no. Code				Thread T	d		E		Cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
BF9-0203TP	3/16"	4,8	03	1/8-28	0,12	3,0	0,55	14	0,87	22,0	0,95	24,0
BF9-0403TP	3/16"	4,8	03	1/4-19	0,12	3,0	0,75	19	0,91	23,0	1,10	28,0
BF9-0204TP	1/4"	6,9	04	1/8-28	0,12	3,0	0,55	14	0,87	22,0	0,95	24,0
BF9-0404TP	1/4"	6,4	04	1/4-19	0,16	4,0	0,75	19	0,99	25,0	1,10	28,0
BF9-0604TP	1/4"	6,4	04	3/8-19	0,16	4,0	0,87	22	0,99	25,0	1,22	31,0
BF9-0804TP	1/4"	6,4	04	1/2-14	0,16	4,0	1,06	27	1,30	33,0	1,46	37,0
BF9-0605TP	5/16"	8,0	05	3/8-19	0,22	5,5	0,87	22	1,14	29,0	1,42	36,0
BF9-0805TP	5/16"	8,0	05	1/2-14	0,22	5,5	1,06	27	1,30	33,0	1,46	37,0
BF9-0406TP	3/8"	9,5	06	1/4-19	0,16	4,0	0,75	19	0,99	25,0	1,10	28,0
BF9-0606TP	3/8"	9,5	06	3/8-19	0,28	7,0	0,87	22	1,30	33,0	1,38	35,0
BF9-0806TP	3/8"	9,5	06	1/2-14	0,28	7,0	1,06	27	1,30	33,0	1,46	37,0
BF9-0608TP	1/2"	12,7	08	3/8-19	0,37	9,5	0,87	22	1,54	39,0	1,62	41,0
BF9-0808TP	1/2"	12,7	08	1/2-14	0,37	9,5	1,06	27	1,54	39,0	1,62	41,0
BF9-1008TP	1/2"	12,7	08	5/8-14	0,37	9,5	1,18	30	1,54	39,0	1,73	44,0
BF9-1208TP	1/2"	12,7	08	3/4-14	0,37	9,5	1,26	32	1,54	39,0	1,73	44,0
BF9-0810TP	5/8"	16,0	10	1/2-14	0,47	12,0	1,06	27	1,54	39,0	1,62	41,0
BF9-1010TP	5/8"	16,0	10	5/8-14	0,47	12,0	1,18	30	1,77	45,0	1,93	49,0
BF9-1210TP	5/8"	16,0	10	3/4-14	0,47	12,0	1,26	32	1,77	45,0	2,01	51,0
BF9-0812TP	3/4"	19,0	12	1/2-14	0,59	15,0	1,06	27	2,21	56,0	2,13	54,0
BF9-1012TP	3/4"	19,0	12	5/8-14	0,59	15,0	1,18	30	1,77	45,0	2,01	51,0
BF9-1212TP	3/4"	19,0	12	3/4-14	0,59	15,0	1,26	32	2,21	56,0	2,13	54,0
BF9-1612TP	3/4"	19,0	12	1-11	0,59	15,0	1,50	38	2,21	56,0	2,29	58,0
BF9-1216TP	1"	25,4	16	3/4-14	0,59	15,0	1,26	32	2,76	70,0	2,29	58,0
BF9-1616TP	1"	25,4	16	1-11	0,79	20,0	1,50	38	2,76	70,0	2,56	65,0
BF9-1620TP	1.1/4"	31,8	20	1-11	0,79	20,0	1,50	38	2,76	70,0	2,56	65,0
BF9-2020TP	1.1/4"	31,8	20	1.1/4-11	1,02	26,0	1,97	50	3,35	85,0	3,39	86,0
BF9-2420TP	1.1/4"	31,8	20	1.1/2-11	1,02	26,0	2,17	55	2,76	70,0	3,94	100,0
BF9-2424TP	1.1/2"	38,1	24	1.1/2-11	1,18	30,0	2,17	55	3,90	99,0	3,94	100,0
BF9-3232TP	2"	50,8	32	2-11	1,57	40,0	2,76	70	5,03	128,0	5,00	127,0
BF9-4040TP	2.1/2"	63,0	40	2.1/2-11	2,17	55,0	3,35	85	3,70	94,0	4,06	103,0
BF9-4848TP	3"	76,0	48	3-11	2,68	68,0	3,94	100	4,61	117,0	5,04	128,0

**BSP FEMALE 60° FLARE 45°
ELBOW**

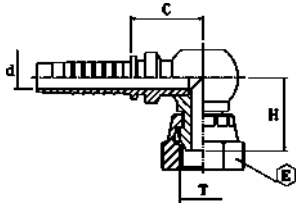
BF4



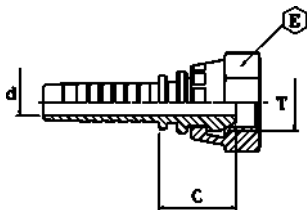
part no. code	hose ID			thread T	d		E		Cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
BF4-0203TP	3/16"	4,8	03	1/8-28	0,12	3,0	0,55	14	1,34	34,0	0,63	16,0
BF4-0403TP	3/16"	4,8	03	1/4-19	0,12	3,0	0,75	19	1,53	39,0	0,63	16,0
BF4-0204TP	1/4"	6,4	04	1/8-28	0,12	3,0	0,55	14	1,34	34,0	0,63	16,0
BF4-0404TP	1/4"	6,4	04	1/4-19	0,16	4,0	0,75	19	1,38	35,0	0,63	16,0
BF4-0604TP	1/4"	6,4	04	3/8-19	0,16	4,0	0,87	22	1,69	43,0	0,71	18,0
BF4-0605TP	5/16"	8,0	05	3/8-19	0,22	5,5	0,87	22	1,97	50,0	0,75	19,0
BF9-0805TP	5/16"	8,0	05	1/2-14	0,22	5,5	1,06	27	2,08	53,0	0,75	19,0
BF4-0406TP	3/8"	9,5	06	1/4-19	0,28	7,0	0,75	19	1,38	35,0	0,75	19,0
BF4-0606TP	3/8"	9,5	06	3/8-19	0,28	7,0	0,87	22	2,04	52,0	0,75	19,0
BF4-0806TP	3/8"	9,5	06	1/2-14	0,28	7,0	1,06	27	2,08	53,0	0,79	20,0
BF4-0608TP	1/2"	12,7	08	3/8-19	0,28	7,0	0,87	22	1,97	50,0	0,91	23,0
BF4-0808TP	1/2"	12,7	08	1/2-14	0,37	9,5	1,06	27	1,97	50,0	0,91	23,0
BF4-1008TP	1/2"	12,7	08	5/8-14	0,37	9,5	1,18	30	2,56	65,0	0,95	24,0
BF4-1208TP	1/2"	12,7	08	3/4-14	0,37	9,5	1,26	32	2,56	65,0	0,91	23,0
BF4-0810TP	5/8"	16,0	10	1/2-14	0,37	9,5	1,06	27	2,75	70,0	0,79	20,0
BF4-1010TP	5/8"	16,0	10	5/8-14	0,47	12,0	1,18	30	2,75	70,0	1,02	26,0
BF4-1210TP	5/8"	16,0	10	3/4-14	0,47	12,0	1,26	32	2,75	70,0	1,02	26,0
BF4-1212TP	3/4"	19,0	12	3/4-14	0,59	15,0	1,26	32	3,30	84,0	1,06	27,0
BF4-1612TP	3/4"	19,0	12	1-11	0,59	15,0	1,50	38	3,42	87,0	1,18	30,0
BF4-1216TP	1"	25,4	16	3/4-14	0,59	15,0	1,26	32	3,42	87,0	1,18	30,0
BF4-1616TP	1"	25,4	16	1-11	0,79	20,0	1,50	38	3,30	84,0	1,38	35,0
BF4-2016TP	1"	25,4	16	1.1/4-11	0,79	20,0	1,97	50	3,38	86,0	1,46	37,0
BF4-2020TP	1.1/4"	31,8	20	1.1/4-11	1,02	26,0	1,97	50	4,06	103,0	1,97	50,0
BF4-2424TP	1.1/2"	38,1	24	1.1/2-11	1,18	30,0	2,17	55	4,57	116,0	2,17	55,0
BF4-3224TP	1.1/2"	38,1	24	2-11	1,18	30,0	2,76	70	4,57	116,0	2,76	70,0
BF4-3232TP	2"	50,8	32	2-11	1,57	40,0	2,76	70	5,63	143,0	2,76	70,0
BF4-4040TP	2.1/2"	63,0	40	2.1/2-11	2,17	55,0	3,35	85	3,94	100,0	1,85	47,0
BF4-4848TP	3"	76,0	48	3-11	2,68	68,0	3,94	100	4,85	123,0	2,25	57,0

**BSP COMPACT FEMALE 60°
FLARE 90° ELBOW**

BFC9



part no. code	hose ID			thread T					cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
BFC9-0203TP	3/16"	4,8	03	1/8-28	0,12	3,0	0,55	14	0,59	15,0	0,67	17,0
BFC9-0404TP	1/4"	6,4	04	1/4-19	0,16	4,0	0,75	19	0,99	25,0	0,83	21,0
BFC9-0605TP	5/16"	8,0	05	3/8-19	0,22	5,5	0,87	22	1,02	26,0	0,87	22,0
BFC9-0606TP	3/8"	9,5	06	3/8-19	0,28	7,0	0,87	22	1,02	26,0	0,87	22,0
BFC9-0806TP	3/8"	9,5	06	1/2-14	0,28	7,0	1,06	27	1,02	26,0	1,02	26,0
BFC9-0808TP	1/2"	12,7	08	1/2-14	0,37	9,5	1,06	27	1,06	27,0	1,06	27,0
BFC9-1010TP	5/8"	16,0	10	5/8-14	0,47	12,0	1,18	30	1,06	27,0	1,14	29,0
BFC9-1212TP	3/4"	19,0	12	3/4-14	0,59	15,0	1,26	32	1,22	31,0	1,14	29,0
BFC9-1616TP	1"	25,4	16	1-11	0,79	20,0	1,50	38	1,46	37,0	1,38	35,0
BFC9-2020TP	1.1/4"	31,8	20	1.1/4-11	1,02	26,0	1,97	50	1,85	47,0	1,97	50,0



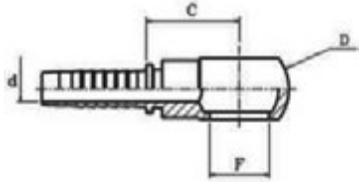
BSP FEMALE SWIVEL FLAT FACE

BFF1

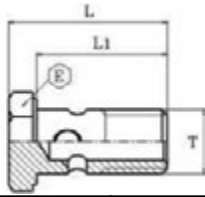
part no. code	hose ID			thread T					Cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]
BFF1-0404TP	1/4"	6,4	04	1/4-19	0,16	4,0	0,75	19	0,71	18,0
BFF1-0606TP	3/8"	9,5	06	3/8-19	0,28	7,0	0,87	22	0,71	18,0
BFF1-0806TP	3/8"	9,5	06	1/2-14	0,28	7,0	1,06	27	0,87	22,0
BFF1-0808TP	1/2"	12,7	08	1/2-14	0,37	9,5	1,06	27	0,91	23,0
BFF1-1208TP	1/2"	12,7	08	3/4-14	0,37	9,5	1,26	32	0,87	22,0
BFF1-1210TP	5/8"	16,0	10	3/4-14	0,47	12,0	1,26	32	0,87	22,0
BFF1-1212TP	3/4"	19,0	12	3/4-14	0,59	15,0	1,26	32	0,91	23,0

BSP BANJO

BB1



part no. code	hose ID			F							Cut-off C	
	[in]	[mm]	size	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]
BB1-0203TP	3/16"	4,8	03	0,40	10,1	1/8	0,67	17,0	0,12	3,0	0,75	19,0
BB1-0403TP	3/16"	4,8	03	0,52	13,3	1/4	0,95	24,0	0,12	3,0	1,02	26,0
BB1-0603TP	3/16"	4,8	03	0,86	16,8	3/8	1,10	28,0	0,12	3,0	1,02	26,0
BB1-0204TP	1/4"	6,4	04	0,40	10,1	1/8	0,67	17,0	0,16	4,0	0,99	25,0
BB1-0404TP	1/4"	6,4	04	0,52	13,3	1/4	0,95	24,0	0,16	4,0	1,02	26,0
BB1-0604TP	1/4"	6,4	04	0,66	16,8	3/8	1,10	28,0	0,16	4,0	1,02	26,0
BB1-0405TP	5/16"	8,0	05	0,52	13,3	1/4	0,95	24,0	0,22	5,5	1,02	26,0
BB1-0605TP	5/16"	8,0	05	0,66	16,8	3/8	1,10	28,0	0,22	5,5	1,02	26,0
BB1-0805TP	5/16"	8,0	05	0,83	21,1	1/2	1,42	36,0	0,22	5,5	1,22	31,0
BB1-0206TP	3/8"	9,5	06	0,40	10,1	1/8	1,10	28,0	0,28	7,0	1,02	26,0
BB1-0406TP	3/8"	9,5	06	0,52	13,3	1/4	0,95	24,0	0,28	7,0	1,14	29,0
BB1-0606TP	3/8"	9,5	06	0,66	16,8	3/8	1,10	28,0	0,28	7,0	1,02	26,0
BB1-0806TP	3/8"	9,5	06	0,83	21,1	1/2	1,42	36,0	0,28	7,0	1,22	31,0
BB1-1206TP	3/8"	9,5	06	1,05	26,6	3/4	1,77	45,0	0,39	10,0	1,50	38,0
BB1-0608TP	1/2"	12,7	08	0,66	16,8	3/8	1,10	28,0	0,39	10,0	1,06	27,0
BB1-0808TP	1/2"	12,7	08	0,83	21,1	1/2	1,42	36,0	0,39	10,0	1,22	31,0
BB1-1008TP	1/2"	12,7	08	0,91	23,1	5/8	1,58	40,0	0,47	12,0	1,50	38,0
BB1-1208TP	1/2"	12,7	08	1,05	26,6	3/4	1,77	45,0	0,39	10,0	1,50	38,0
BB1-1608TP	1/2"	12,7	08	1,32	33,5	1	2,29	58,0	0,59	15,0	1,97	50,0
BB1-0810TP	5/8"	16,0	10	0,83	21,1	1/2	1,42	36,0	0,39	10,0	1,06	27,0
BB1-1010TP	5/8"	16,0	10	0,91	23,1	5/8	1,58	40,0	0,47	12,0	1,50	38,0
BB1-1210TP	5/8"	16,0	10	1,05	26,6	3/4	1,77	45,0	0,39	10,0	1,50	38,0
BB1-0812TP	3/4"	19,0	12	0,83	21,1	1/2	1,42	36,0	0,39	10,0	1,06	27,0
BB1-1212TP	3/4"	19,0	12	1,05	26,6	3/4	1,77	45,0	0,59	15,0	1,50	38,0
BB1-1612TP	3/4"	19,0	12	1,32	33,5	1	2,29	58,0	0,59	15,0	1,97	50,0
BB1-1216TP	1"	25,4	16	1,05	26,6	3/4	2,29	58,0	0,59	15,0	1,50	38,0
BB1-1616TP	1"	25,4	16	1,32	33,5	1	2,29	58,0	0,79	20,0	2,01	51,0
BB1-2016TP	1"	25,4	16	1,57	39,1	1.1/4	2,29	58,0	0,79	20,0	2,01	51,0
BB1-2020TP	1.1/4"	31,8	20	1,57	39,1	1.1/4	2,29	58,0	0,79	20,0	2,01	51,0

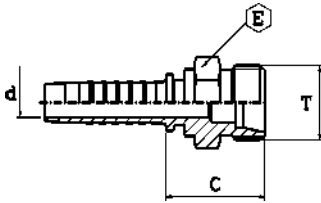


BSP BANJO BOLT

A-BBB

part no. code	T							[psi]	[bar]
		[in]	[mm]	[in]	[mm]	[in]	[mm]		
A-BBB-02	1/8-28	0,95	24,0	0,77	19,5	0,55	14,0	4351	300
A-BBB-04	1/4-19	1,36	34,5	1,12	28,5	0,75	19,0	4351	300
A-BBB-06	3/8-19	1,60	40,5	1,30	33,0	0,87	22,0	4351	300
A-BBB-08	1/2-14	1,81	46,0	1,50	38,0	1,06	27,0	3626	250
A-BBB-10	5/8-14	1,97	50,0	1,65	42,0	1,18	30,0	2901	200
A-BBB-12	3/4-14	2,21	56,0	1,85	47,0	1,26	32,0	2901	200
A-BBB-16	1-11	2,72	69,0	2,29	58,0	1,62	41,0	2175	150

Two copper washers for bolt must be ordered separately

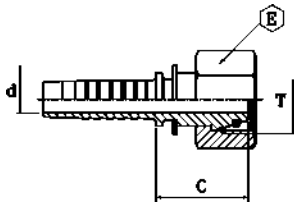


METRIC MALE 24° FLARE LIGHT

DLM1

part no. code	hose ID			thread T	D		E		pipe		Cut off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
DLM1-1203TP	3/16"	4,8	03	M12-1,5	0,12	3,0	0,55	14	0,24	6,0	0,87	22,0
DLM1-1403TP	3/16"	4,8	03	M14-1,5	0,12	3,0	0,59	15	0,32	8,0	0,87	22,0
DLM1-1204TP	1/4"	6,4	04	M12-1,5	0,16	4,0	0,55	14	0,24	6,0	0,91	23,0
DLM1-1404TP	1/4"	6,4	04	M14-1,5	0,16	4,0	0,59	15	0,32	8,0	0,87	22,0
DLM1-1604TP	1/4"	6,4	04	M16-1,5	0,16	4,0	0,67	17	0,39	10,0	0,91	23,0
DLM1-1804TP	1/4"	6,4	04	M18-1,5	0,16	4,0	0,75	19	0,47	12,0	0,95	24,0
DLM1-1405TP	5/16"	8,0	05	M14-1,5	0,22	5,5	0,59	15	0,32	8,0	0,91	23,0
DLM1-1605TP	5/16"	8,0	05	M16-1,5	0,22	5,5	0,67	17	0,39	10,0	0,91	23,0
DLM1-1805TP	5/16"	8,0	05	M18-1,5	0,22	5,5	0,75	19	0,47	12,0	0,95	24,0
DLM1-1605TP	3/8"	9,5	06	M16-1,5	0,28	7,0	0,67	17	0,39	10,0	0,91	23,0
DLM1-1806TP	3/8"	9,5	06	M18-1,5	0,28	7,0	0,75	19	0,47	12,0	0,95	24,0
DLM1-2206TP	3/8"	9,5	06	M22-1,5	0,28	7,0	0,87	22	0,59	15,0	0,99	25,0
DLM1-1808TP	1/2"	12,7	08	M18-1,5	0,37	9,5	0,75	19	0,47	12,0	0,99	25,0
DLM1-2208TP	1/2"	12,7	08	M22-1,5	0,37	9,5	0,87	22	0,59	15,0	1,02	26,0
DLM1-2608TP	1/2"	12,7	08	M26-1,5	0,37	9,5	1,06	27	0,71	18,0	1,06	27,0
DLM1-3008TP	1/2"	12,7	08	M30-2	0,37	9,5	1,18	30	0,87	22,0	1,30	33,0
DLM1-2210TP	5/8"	16,0	10	M22-1,5	0,47	12,0	0,87	22	0,59	15,0	1,02	26,0
DLM1-2610TP	5/8"	16,0	10	M26-1,5	0,47	12,0	1,06	27	0,71	18,0	1,06	27,0
DLM1-3010TP	5/8"	16,0	10	M30-2	0,47	12,0	1,18	30	0,87	22,0	1,30	33,0
DLM1-2612TP	3/4"	19,0	12	M26-1,5	0,59	15,0	1,06	27	0,71	18,0	1,10	28,0
DLM1-3012TP	3/4"	19,0	12	M30-2	0,59	15,0	1,18	30	0,87	22,0	1,30	33,0
DLM1-3016TP	1"	25,4	16	M30-2	0,79	20,0	1,18	30	0,87	22,0	1,30	33,0
DLM1-3616TP	1"	25,4	16	M36-2	0,79	20,0	1,42	36	1,10	28,0	1,26	32,0
DLM1-4520TP	1.1/4"	31,8	20	M45-2	1,02	26,0	1,81	46	1,38	35,0	1,42	36,0
DLM1-5224TP	1.1/2"	38,1	24	M52-2	1,26	32,0	2,17	55	1,65	42,0	1,50	38,0

METRIC FEMALE 24° FLARE LIGHT

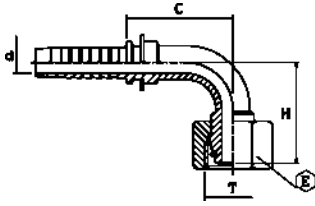


DLF1

part no. code	hose ID		size	thread T	d		E		Pipe		Cut off	
	[in]	[mm]			[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
DLF1-1203TP	3/16"	4,8	03	M12-1,5	0,12	3,0	0,55	14	0,24	6,0	0,91	23,0
DLF1-1403TP	3/16"	4,8	03	M14-1,5	0,12	3,0	0,67	17	0,32	8,0	0,91	23,0
DLF1-1204TP	1/4"	6,4	04	M12-1,5	0,16	4,0	0,55	14	0,24	6,0	0,79	20,0
DLF1-1404TP	1/4"	6,4	04	M14-1,5	0,16	4,0	0,67	17	0,32	8,0	0,91	23,0
DLF1-1604TP	1/4"	6,4	04	M16-1,5	0,16	4,0	0,75	19	0,39	10,0	0,91	23,0
DLF1-1804TP	1/4"	6,4	04	M18-1,5	0,16	4,0	0,87	22	0,47	12,0	0,95	24,0
DLF1-1205TP	5/16"	8,0	05	M12-1,5	0,22	5,5	0,55	14	0,24	6,0	0,79	20,0
DLF1-1405TP	5/16"	8,0	05	M14-1,5	0,16	4,0	0,67	17	0,32	8,0	0,91	23,0
DLF1-1605TP	5/16"	8,0	05	M16-1,5	0,22	5,5	0,75	19	0,39	10,0	0,91	23,0
DLF1-1805TP	5/16"	8,0	05	M18-1,5	0,28	7,0	0,87	22	0,47	12,0	0,95	24,0
DLF1-1606TP	3/8"	9,5	06	M16-1,5	0,28	7,0	0,75	19	0,39	10,0	0,99	25,0
DLF1-1806TP	3/8"	9,5	06	M18-1,5	0,28	7,0	0,87	22	0,47	12,0	0,95	24,0
DLF1-2206TP	3/8"	9,5	06	M22-1,5	0,28	7,0	1,06	27	0,59	15,0	1,10	28,0
DLF1-2208TP	1/2"	12,7	08	M22-1,5	0,37	9,5	1,06	27	0,59	15,0	1,10	28,0
DLF1-2608TP	1/2"	12,7	08	M26-1,5	0,37	9,5	1,26	32	0,71	18,0	1,10	28,0
DLF1-2210TP	5/8"	16,0	10	M22-1,5	0,47	12,0	1,06	27	0,59	15,0	1,10	28,0
DLF1-2610TP	5/8"	16,0	10	M26-1,5	0,47	12,0	1,26	32	0,71	18,0	1,14	29,0
DLF1-3010TP	5/8"	16,0	10	M30-2	0,47	12,0	1,42	36	0,87	22,0	1,14	29,0
DLF1-2612TP	3/4"	19,0	12	M20-1,5	0,59	15,0	1,26	32	0,71	18,0	1,14	29,0
DLF1-3012TP	3/4"	19,0	12	M30-2	0,59	15,0	1,42	36	0,87	22,0	1,14	29,0
DLF1-3612TP	3/4"	19,0	12	M36-2	0,59	15,0	1,62	41	1,10	28,0	1,18	30,0
DLF1-3616TP	1"	25,4	16	M36-2	0,79	20,0	1,62	41	1,10	28,0	1,18	30,0
DLF1-4520TP	1.1/4"	31,8	20	M45-2	1,02	26,0	1,97	50	1,38	35,0	1,58	40,0
DLF1-5224TP	1.1/2"	38,1	24	M52-2	1,26	32,0	2,36	60	1,65	42,0	1,62	41,0

**METRIC FEMALE 24° FLARE LIGHT
90° ELBOW**

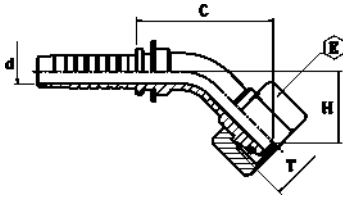
DLF9



part no. code	hose ID			thread T	d		E		pipe		Cutoff C		Drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
DLF9-1203TP	3/16"	4,8	03	M12-1,5	0,12	3,0	0,55	14	0,24	6,0	0,99	25,0	0,95	24,0
DLF9-1403TP	3/16"	4,8	03	M14-1,5	0,12	3,0	0,67	17	0,32	8,0	0,99	25,0	1,10	28,0
DLF9-1204TP	1/4"	6,4	04	M12-1,5	0,12	3,0	0,55	14	0,24	6,0	0,99	25,0	0,95	24,0
DLF9-1404TP	1/4"	6,4	04	M14-1,5	0,16	4,0	0,67	17	0,32	8,0	1,06	27,0	1,26	32,0
DLF9-1604TP	1/4"	6,4	04	M16-1,5	0,16	4,0	0,75	19	0,39	10,0	1,10	28,0	1,06	27,0
DLF9-1804TP	1/4"	6,4	04	M18-1,5	0,16	4,0	0,87	22	0,47	12,0	1,02	26,0	1,22	31,0
DLF9-1605TP	5/16"	8,0	05	M16-1,5	0,22	5,5	0,75	19	0,39	10,0	1,34	34,0	1,22	31,0
DLF9-1805TP	5/16"	8,0	05	M18-1,5	0,16	4,0	0,87	22	0,47	12,0	1,02	26,0	1,22	31,0
DLF9-1606TP	3/8"	9,5	06	M16-1,5	0,28	7,0	0,75	19	0,39	10,0	1,26	32,0	1,18	30,0
DLF9-1806TP	3/8"	9,5	06	M18-1,5	0,28	7,0	0,87	22	0,47	12,0	1,26	32,0	1,58	40,0
DLF9-2206TP	3/8"	9,5	06	M22-1,5	0,28	7,0	1,06	27	0,59	15,0	1,30	33,0	1,89	48,0
DLF9-2208TP	1/2"	12,7	08	M22-1,5	0,37	9,5	1,06	27	0,59	15,0	1,69	43,0	1,42	39,0
DLF9-2608TP	1/2"	12,7	08	M26-1,5	0,37	9,5	1,26	32	0,71	18,0	1,69	43,0	1,58	40,0
DLF9-2610TP	5/8"	16,0	10	M26-1,5	0,47	12,0	1,26	32	0,71	18,0	1,81	46,0	2,09	53,0
DLF9-3010TP	5/8"	16,0	10	M30-2	0,47	12,0	1,42	36	0,87	22,0	2,25	57,0	1,97	50,0
DLF9-2612TP	3/4"	19,0	12	M26-1,5	0,59	15,0	1,26	32	0,71	18,0	2,25	57,0	2,52	64,0
DLF9-3012TP	3/4"	19,0	12	M30-2	0,59	15,0	1,42	36	0,87	22,0	2,25	57,0	1,97	50,0
DLF9-3612TP	3/4"	19,0	12	M36-2	0,79	20,0	1,62	41	1,10	28,0	2,25	57,0	1,97	50,0
DLF9-3616TP	1"	25,4	16	M36-2	0,79	20,0	1,62	41	1,10	28,0	2,84	72,0	2,29	58,0
DLF9-4516TP	1"	25,4	16	M45-2	0,79	20,0	1,97	50	1,38	35,0	3,27	83,0	2,29	58,0
DLF9-4520TP	1.1/4"	31,8	20	M45-2	1,02	26,0	1,97	50	1,38	35,0	3,27	83,0	3,19	81,0
DLF9-5220TP	1.1/4"	31,8	20	M52-2	1,26	32,0	1,97	50	1,65	42,0	3,27	83,0	3,19	81,0
DLF9-5224TP	1.1/2"	38,1	24	M52-2	1,26	32,0	2,17	55	1,65	42,0	3,94	100,0	3,66	93,0

**METRIC FEMALE 24° FLARE LIGHT
45° ELBOW**

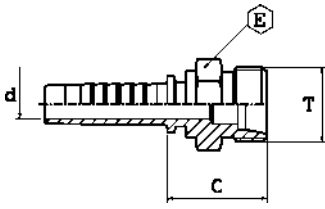
DLF4



part no. code	hose ID			thread T	d		E		pipe		Cut off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
DLF4-1203TP	3/16"	4,8	03	M12-1,5	0,12	3,0	0,55	14	0,24	6,0	1,69	43,0	0,55	14,0
DLF4-1403TP	3/16"	4,8	03	M14-1,5	0,12	3,0	0,67	17	0,32	8,0	1,69	43,0	0,55	14,0
DLF4-1204TP	1/4"	6,4	04	M12-1,5	0,16	4,0	0,55	14	0,24	6,0	1,69	43,0	0,55	14,0
DLF4-1404TP	1/4"	6,4	04	M14-1,5	0,16	4,0	0,67	17	0,32	8,0	1,81	46,0	0,67	17,0
DLF4-1604TP	1/4"	6,4	04	M16-1,5	0,16	4,0	0,75	19	0,39	10,0	1,81	46,0	0,67	17,0
DLF4-1804TP	1/4"	6,4	04	M18-1,5	0,16	4,0	0,87	22	0,47	12,0	1,73	44,0	0,67	17,0
DLF4-1605TP	5/16"	8,0	05	M16-1,5	0,22	5,5	0,75	19	0,39	10,0	1,93	49,0	0,63	16,0
DLF4-1805TP	5/16"	8,0	05	M18-1,5	0,22	5,5	0,87	22	0,47	12,0	1,73	44,0	0,67	17,0
DLF4-1606TP	3/8"	9,5	06	M16-1,5	0,22	5,5	0,75	19	0,39	10,0	1,93	49,0	0,63	16,0
DLF4-1806TP	3/8"	9,5	06	M18-1,5	0,28	7,0	0,87	22	0,47	12,0	1,73	44,0	0,75	19,0
DLF4-2206TP	3/8"	9,5	06	M22-1,5	0,28	7,0	1,06	27	0,59	15,0	2,05	52,0	0,71	18,0
DLF4-2208TP	1/2"	12,7	08	M22-1,5	0,37	9,5	1,06	27	0,59	15,0	1,85	47,0	0,91	23,0
DLF4-2608TP	1/2"	12,7	08	M26-1,5	0,47	12,0	1,26	32	0,71	18,0	1,85	47,0	0,91	23,0
DLF4-2610TP	5/8"	16,0	10	M26-1,5	0,47	12,0	1,26	32	0,71	18,0	2,72	69,0	0,91	23,0
DLF4-2612TP	3/4"	19,0	12	M26-1,5	0,59	15,0	1,26	32	0,71	18,0	3,35	85,0	0,99	25,0
DLF4-3012TP	3/4"	19,0	12	M30-2	0,59	15,0	1,42	36	0,87	22,0	3,31	84,0	1,18	30,0
DLF4-3616TP	1"	25,4	16	M36-2	0,79	20,0	1,62	41	1,10	28,0	3,15	80,0	1,38	35,0
DLF4-4520TP	1.1/4"	31,8	20	M45-2	1,02	26,0	1,97	50	1,38	35,0	3,94	100,0	1,77	45,0
DLF4-5224TP	1.1/2"	38,1	24	M52-2	1,26	32,0	2,36	60	1,65	42,0	4,37	111,0	1,97	50,0

METRIC MALE 24° FLARE HEAVY

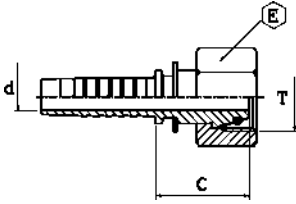
DSM1



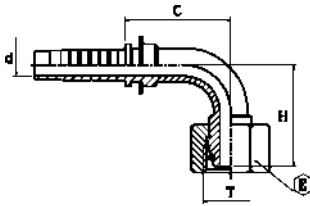
part no. code	hose ID			thread T	d		E		pipe		cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
DSM1-1603TP	3/16"	4,8	03	M16-1,5	0,12	3,0	0,67	17	0,32	8,0	1,02	26,0
DSM1-1604TP	1/4"	6,4	04	M16-1,5	0,16	4,0	0,67	17	0,32	8,0	1,06	27,0
DSM1-1804TP	1/4"	6,4	04	M18-1,5	0,16	4,0	0,75	19	0,39	10,0	1,06	27,0
DSM1-2004TP	1/4"	6,4	04	M20-1,5	0,16	4,0	0,87	22	0,47	12,0	1,14	29,0
DSM1-1605TP	5/16"	8,0	05	M16-1,5	0,16	4,0	0,67	17	0,32	8,0	1,06	27,0
DSM1-1805TP	5/16"	8,0	05	M18-1,5	0,16	4,0	0,75	19	0,39	10,0	1,06	27,0
DSM1-2005TP	5/16"	8,0	05	M20-1,5	0,22	5,5	0,87	22	0,47	12,0	1,14	29,0
DSM1-1806TP	3/8"	9,5	06	M18-1,5	0,28	7,0	0,87	22	0,39	10,0	1,06	27,0
DSM1-2006TP	3/8"	9,5	06	M20-1,5	0,28	7,0	0,87	22	0,47	12,0	1,14	29,0
DSM1-2206TP	3/8"	9,5	06	M22-1,5	0,28	7,0	0,87	22	0,55	14,0	1,22	31,0
DSM1-2406TP	3/8"	9,5	06	M24-1,5	0,28	7,0	0,95	24	0,63	16,0	1,26	32,0
DSM1-2008TP	1/2"	12,7	08	M20-1,5	0,28	7,0	0,87	22	0,47	12,0	1,22	31,0
DSM1-2208TP	1/2"	12,7	08	M22-1,5	0,28	7,0	0,87	22	0,55	14,0	1,22	31,0
DSM1-2408TP	1/2"	12,7	08	M24-1,5	0,37	9,5	0,95	24	0,63	16,0	1,26	32,0
DSM1-3008TP	1/2"	12,7	08	M30-2	0,37	9,5	1,18	30	0,79	20,0	1,34	34,0
DSM1-2410TP	5/8"	16,0	10	M24-1,5	0,47	12,0	0,95	24	0,63	16,0	1,26	32,0
DSM1-3010TP	5/8"	16,0	10	M30-2	0,47	12,0	1,18	30	0,79	20,0	1,34	34,0
DSM1-3012TP	3/4"	19,0	12	M30-2	0,59	15,0	1,18	30	0,79	20,0	1,38	35,0
DSM1-3612TP	3/4"	19,0	12	M36-2	0,59	15,0	1,42	36	0,99	25,0	1,50	38,0
DSM1-3616TP	1"	25,4	16	M36-2	0,79	20,0	1,42	36	0,99	25,0	1,54	39,0
DSM1-4216TP	1"	25,4	16	M42-2	0,79	20,0	1,81	46	1,18	30,0	1,65	42,0
DSM1-4220TP	1.1/4"	31,8	20	M42-2	1,02	26,0	1,81	46	1,18	30,0	1,69	43,0
DSM1-5220TP	1.1/4"	31,8	20	M52-2	1,02	26,0	2,17	55	1,50	38,0	1,97	50,0
DSM1-5224TP	1.1/2"	38,1	24	M52-2	1,26	32,0	2,17	55	1,50	38,0	1,97	50,0

METRIC FEMALE 24° FLARE HEAVY

DSF1



part no. code	hose ID			thread T	d		pipe		Cut off C			
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]		
DSF1-1603TP	3/16"	4,8	03	M16-1,5	0,12	3,0	0,75	19	0,32	8,0	0,99	25,0
DSF1-1404TP	1/4"	6,4	04	M14-1,5	0,16	4,0	0,75	19	0,28	6,0	0,99	25,0
DSF1-1604TP	1/4"	6,4	04	M16-1,5	0,16	4,0	0,75	19	0,32	8,0	0,99	25,0
DSF1-1804TP	1/4"	6,4	04	M18-1,5	0,16	4,0	0,87	22	0,39	10,0	0,95	24,0
DSF1-2004TP	1/4"	6,4	04	M20-1,5	0,16	4,0	0,95	24	0,47	12,0	0,95	24,0
DSF1-1605TP	5/16"	8,0	05	M16-1,5	0,22	5,5	0,75	19	0,32	8,0	0,99	25,0
DSF1-1805TP	5/16"	8,0	05	M18-1,5	0,22	5,5	0,87	22	0,39	10,0	0,95	24,0
DSF1-2005TP	5/16"	8,0	05	M20-1,5	0,22	5,5	0,95	24	0,47	12,0	1,02	26,0
DSF1-1606TP	3/8"	9,5	06	M16-1,5	0,28	7,0	0,87	22	0,32	8,0	0,99	25,0
DSF1-1806TP	3/8"	9,5	06	M18-1,5	0,28	7,0	0,87	22	0,39	10,0	0,95	24,0
DSF1-2006TP	3/8"	9,5	06	M20-1,5	0,28	7,0	0,95	24	0,47	12,0	1,02	26,0
DSF1-2206TP	3/8"	9,5	06	M22-1,5	0,28	7,0	1,06	27	0,55	14,0	1,14	29,0
DSF1-2406TP	3/8"	9,5	06	M24-1,5	0,28	7,0	1,18	30	0,63	16,0	1,14	29,0
DSF1-2008TP	1/2"	12,7	08	M20-1,5	0,37	9,5	0,95	24	0,47	12,0	1,02	26,0
DSF1-2208TP	1/2"	12,7	08	M22-1,5	0,37	9,5	0,95	24	0,55	14,0	1,14	29,0
DSF1-2408TP	1/2"	12,7	08	M24-1,5	0,37	9,5	1,18	30	0,63	16,0	1,14	29,0
DSF1-3008TP	1/2"	12,7	08	M30-2	0,37	9,5	1,42	36	0,79	20,0	1,30	33,0
DSF1-3010TP	5/8"	16,0	10	M30-2	0,47	12,0	1,42	36	0,79	20,0	1,30	33,0
DSF1-3012TP	3/4"	19,0	12	M30-2	0,59	15,0	1,42	36	0,79	20,0	1,34	34,0
DSF1-3612TP	3/4"	19,0	12	M36-2	0,59	15,0	1,81	46	0,99	25,0	1,58	40,0
DSF1-3616TP	1"	25,4	16	M36-2	0,79	20,0	1,81	46	0,99	25,0	1,62	41,0
DSF1-4216TP	1"	25,4	16	M42-2	0,79	20,0	1,97	50	1,18	30,0	1,69	43,0
DSF1-5216TP	1"	25,4	16	M52-2	0,79	20,0	2,36	60	1,50	38,0	1,73	44,0
DSF1-4220TP	1.1/4"	31,8	20	M42-2	1,02	26,0	1,97	50	1,18	30,0	1,69	43,0
DSF1-5220TP	1.1/4"	31,8	20	M52-2	1,02	26,0	2,36	60	1,50	38,0	1,73	44,0
DSF1-5224TP	1.1/2"	38,1	24	M52-2	1,26	32,0	2,36	60	1,50	38,0	1,73	44,0



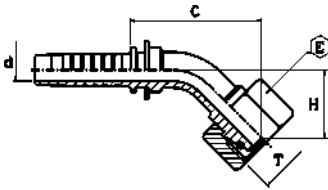
**METRIC FEMALE 24° HEAVY 90°
ELBOW**

DSF9

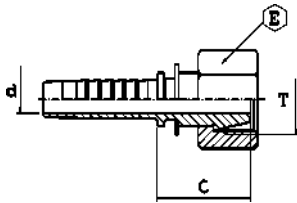
part no. code	hose ID			thread T	i		C		pipe		Cut off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
DSF9-1403TP	3/16"	4,8	03	M14-1,5	0,12	3,0	0,75	19	0,28	6,0	0,99	25,0	1,02	26,0
DSF9-1603TP	3/16"	4,8	03	M16-1,5	0,12	3,0	0,75	19	0,32	8,0	0,99	25,0	1,02	26,0
DSF9-1604TP	1/4"	6,4	04	M16-1,5	0,16	4,0	0,75	19	0,32	8,0	1,02	26,0	1,10	28,0
DSF9-1804TP	1/4"	6,4	04	M18-1,5	0,16	4,0	0,87	22	0,39	10,0	1,06	27,0	1,18	30,0
DSF9-2004TP	1/4"	6,4	04	M20-1,5	0,16	4,0	0,95	24	0,47	12,0	1,22	31,0	1,38	35,0
DSF9-1805TP	5/16"	8,0	05	M18-1,5	0,22	5,5	0,95	24	0,39	10,0	1,06	27,0	1,18	30,0
DSF9-2005TP	5/16"	8,0	05	M20-1,5	0,22	5,5	0,95	24	0,47	12,0	1,22	31,0	1,38	35,0
DSF9-1806TP	3/8"	9,5	06	M18-1,5	0,28	7,0	0,87	22	0,39	10,0	1,34	34,0	1,34	34,0
DSF9-2006TP	3/8"	9,5	06	M20-1,5	0,28	7,0	0,95	24	0,47	12,0	1,34	34,0	1,34	34,0
DSF9-2206TP	3/8"	9,5	06	M22-1,5	0,28	7,0	1,06	27	0,55	14,0	1,42	36,0	1,42	36,0
DSF9-2406TP	3/8"	9,5	06	M24-1,5	0,28	7,0	1,18	30	0,63	16,0	1,42	36,0	1,42	36,0
DSF9-2208TP	1/2"	12,7	08	M22-1,5	0,28	7,0	1,06	27	0,55	14,0	1,42	36,0	1,42	36,0
DSF9-2408TP	1/2"	12,7	08	M24-1,5	0,37	9,5	1,18	30	0,63	16,0	1,61	41,0	1,65	42,0
DSF9-3008TP	1/2"	12,7	08	M30-2	0,37	9,5	1,42	36	0,79	20,0	1,61	41,0	1,65	42,0
DSF9-3010TP	5/8"	16,0	10	M30-2	0,47	12,0	1,42	36	0,79	20,0	1,81	46,0	1,97	50,0
DSF9-3012TP	3/4"	19,0	12	M30-2	0,59	15,0	1,42	36	0,79	20,0	2,29	58,0	2,17	55,0
DSF9-3612TP	3/4"	19,0	12	M36-2	0,59	15,0	1,81	46	0,99	25,0	2,21	56,0	2,32	59,0
DSF9-3616TP	1"	25,4	16	M36-2	0,79	20,0	1,81	46	0,99	25,0	2,84	72,0	2,60	66,0
DSF9-4216TP	1"	25,4	16	M42-2	0,79	20,0	1,97	50	1,18	30,0	2,84	72,0	2,60	66,0
DSF9-5216TP	1"	25,4	16	M52-2	1,02	26,0	2,36	60	1,50	38,0	2,89	72,0	2,60	66,0
DSF9-4220TP	1.1/4"	31,8	20	M42-2	1,02	26,0	1,97	50	1,18	30,0	2,84	72,0	2,60	66,0
DSF9-5220TP	1.1/4"	31,8	20	M52-2	1,02	26,0	2,36	60	1,50	38,0	3,39	86,0	3,39	86,0
DSF9-5224TP	1.1/2"	38,1	24	M52-2	1,26	32,0	2,36	60	1,50	38,0	3,94	100,0	3,70	94,0

**METRIC FEMALE 24° FLARE
HEAVY 45° ELBOW**

DSF4



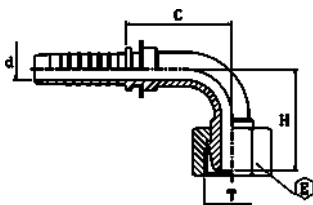
part no. code	hose ID			thread T	1		c		pipe		Cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
DSF4-1403TP	3/16"	4,8	03	M14-1,5	0,12	3,0	0,75	19	0,28	6,0	1,38	35,0	0,63	16,0
DSF4-1603TP	3/16"	4,8	03	M16-1,5	0,12	3,0	0,75	19	0,32	8,0	1,38	35,0	0,63	16,0
DSF4-1604TP	1/4"	6,4	04	M16-1,5	0,16	4,0	0,75	19	0,32	8,0	1,81	46,0	0,67	17,0
DSF4-1804TP	1/4"	6,4	04	M18-1,5	0,16	4,0	0,87	22	0,39	10,0	1,85	47,0	0,71	18,0
DSF4-2004TP	W"	6,4	04	M20-1,5	0,16	4,0	0,95	24	0,47	12,0	1,85	47,0	0,71	18,0
DSF4-1805TP	5/16"	8,0	05	M18-1,5	0,22	5,5	0,87	22	0,39	10,0	1,69	43,0	0,75	19,0
DSF4-2005TP	5/16"	8,0	05	M20-1,5	0,22	5,5	0,95	24	0,47	12,0	1,65	42,0	0,75	19,0
DSF4-1806TP	3/8"	9,5	06	M18-1,5	0,28	7,0	0,87	22	0,39	10,0	1,65	42,0	0,75	19,0
DSF4-2006TP	3/8"	9,5	06	M20-1,5	0,28	7,0	0,95	24	0,47	12,0	2,05	52,0	0,67	17,0
DSF4-2206TP	3/8"	9,5	06	M22-1,5	0,28	7,0	1,06	27	0,55	14,0	2,24	57,0	0,75	19,0
DSF4-2208TP	1/2"	12,7	08	M22-1,5	0,37	9,5	1,06	27	0,55	14,0	2,24	57,0	0,75	19,0
DSF4-2408TP	1/2"	12,7	08	M24-1,5	0,37	9,5	1,18	30	0,63	16,0	2,48	63,0	0,79	20,0
DSF4-3010TP	5/8"	16,0	10	M30-2	0,47	12,0	1,42	36	0,79	20,0	2,88	73,0	1,06	27,0
DSF4-3012TP	3/4"	19,0	12	M30-2	0,59	15,0	1,42	36	0,79	20,0	2,88	73,0	1,18	30,0
DSF4-3612TP	3/4"	19,0	12	M36-2	0,59	15,0	1,81	46	0,99	25,0	2,84	72,0	1,26	32,0
DSF4-3616TP	1"	25,4	16	M36-2	0,79	20,0	1,81	46	0,99	25,0	3,43	87,0	1,58	40,0
DSF4-4216TP	1"	25,4	16	M42-2	0,79	20,0	1,97	50	1,18	30,0	3,31	84,0	1,38	35,0
DSF4-5216TP	1"	25,4	16	M52-2	0,79	20,0	2,36	60	1,50	38,0	4,14	105,0	1,97	50,0
DSF4-4220TP	1.1/4"	31,8	20	M42-2	1,02	26,0	1,97	50	1,18	30,0	4,14	105,0	1,38	35,0
DSF4-5220TP	1.1/4"	31,8	20	M52-2	1,02	26,0	2,36	60	1,50	38,0	4,14	105,0	1,97	50,0
DSF4-5224TP	1.1/2"	38,1	24	M52-2	1,26	32,0	2,36	60	1,50	38,0	4,53	115,0	1,89	48,0



**METRIC FEMALE 24°/60° FLARE
LIGHT MULTISEAL**

DLF1 (MULTI)

part no. code	hose ID			thread T	1		c		pipe		Cut off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
DLF1-1404TP-MULTI	1/4"	6,4	04	M14-1,5	0,16	4,0	0,67	17	0,32	8,0	0,75	19,0
DLF1-1605TP-MULTI	5/16"	8,0	05	M16-1,5	0,22	5,5	0,75	19	0,39	10,0	0,75	19,0
DLF1-1805TP-MULTI	5/16"	8,0	05	M18-1,5	0,22	5,5	0,87	22	0,47	12,0	0,83	21,0
DLF1-1606TP-MULTI	3/8"	9,5	06	M16-1,5	0,28	7,0	0,87	22	0,39	10,0	0,75	19,0
DLF1-1806TP-MULTI	3/8"	9,5	06	M18-1,5	0,28	7,0	0,87	22	0,47	12,0	0,83	21,0
DLF1-2206TP-MULTI	3/8"	9,5	06	M22-1,5	0,28	7,0	1,06	27	0,59	15,0	0,87	22,0
DLF1-2208TP-MULTI	1/2"	12,7	08	M22-1,5	0,37	9,5	1,06	27	0,59	15,0	0,87	22,0
DLF1-2610TP-MULTI	5/8"	16,0	10	M26-1,5	0,47	12,0	1,26	32	0,71	18,0	0,95	24,0
DLF1-4520TP-MULTI	1.1/4"	31,8	20	M45-2	1,02	26,0	1,41	35	1,18	30,0	1,69	43,0



**METRIC FEMALE 24°/60° FLARE
90° ELBOW LIGHTMULTISEAL**

DLF9 (MULTI)

part no. code	hose ID			thread T	1		c		pipe		Cut off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
DLF9-1404TP-MULTI	1/4"	6,4	04	M14-1,5	0,16	4,0	0,67	17	0,32	8,0	1,22	31,0	1,14	29,0
DLF9-1605TP-MULTI	5/16"	8,0	05	M16-1,5	0,22	5,5	0,75	19	0,39	10,0	1,26	32,0	1,26	32,0
DLF9-1806TP-MULTI	3/8"	9,5	06	M18-1,5	0,28	7,0	0,87	22	0,47	12,0	1,30	33,0	1,34	34,0
DLF9-2206TP-MULTI	3/8"	9,5	06	M22-1,5	0,28	7,0	1,06	27	0,59	15,0	1,30	33,0	1,18	30,0
DLF9-2208TP-MULTI	1/2"	12,7	08	M22-1,5	0,37	9,5	1,06	27	0,59	15,0	1,69	43,0	1,38	35,0
DLF9-2610TP-MULTI	5/8"	16,0	10	M26-1,5	0,47	12,0	1,26	32	0,71	18,0	1,81	46,0	1,65	42,0



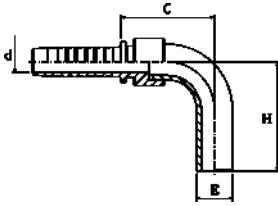
METRIC STANDPIPE STRAIGHT

SPM1

part no. code	hose ID			1		pipe E		cut-off C		type tipo
	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]	
SPM1-0603TP	3/16"	4,8	03	0,12	3,0	0,24	6	1,18	30,0	L/S
SPM1-0803TP	3/16"	4,8	03	0,12	3,0	0,32	8	1,14	29,0	L/S
SPM1-1003TP	3/16"	4,8	03	0,12	3,0	0,39	10	1,14	29,0	L/S
SPM1-0604TP	1/4"	6,4	04	0,16	4,0	0,24	6	1,26	32,0	L/S
SPM1-0804TP	1/4"	6,4	04	0,16	4,0	0,32	8	1,14	29,0	L/S
SPM1-1004TP	1/4"	6,4	04	0,16	4,0	0,39	10	1,26	32,0	L/S
SPM1-1204TP	1/4"	6,4	04	0,16	4,0	0,47	12	1,18	30,0	L/S
SPM1-0805TP	5/16"	8,0	05	0,22	5,5	0,32	8	1,14	29,0	L/S
SPM1-1005TP	5/16"	8,0	05	0,22	5,5	0,39	10	1,18	30,0	L/S
SPM1-1205TP	5/16"	8,0	05	0,22	5,5	0,47	12	1,26	32,0	L/S
SPM1-0806TP	3/8"	9,5	06	0,28	7,0	0,32	08	1,14	29,0	L/S
SPM1-1006TP	3/8"	9,5	06	0,28	7,0	0,39	10	1,22	31,0	L/S
SPM1-1206TP	3/8"	9,5	06	0,28	7,0	0,47	12	1,22	31,0	L/S
SPM1-1406TP	3/8"	9,5	06	0,28	7,0	0,55	14	1,42	36,0	S
SPM1-1506TP	3/8"	9,5	06	0,28	7,0	0,59	15	1,26	32,0	L
SPM1-1606TP	3/8"	9,5	06	0,28	7,0	0,63	16	1,50	38,0	S
SPM1-1804TP	1/2"	12,7	08	0,37	9,5	0,55	14	1,46	37,0	S
SPM1-1508TP	1/2"	12,7	08	0,37	9,5	0,59	15	1,30	33,0	L
SPM1-1608TP	1/2"	12,7	08	0,37	9,5	0,63	16	1,50	38,0	S
SPM1-1808TP	1/2"	12,7	08	0,37	9,5	0,71	18	1,34	34,0	L
SPM1-2008TP	1/2"	12,7	08	0,37	9,5	0,79	20	1,73	44,0	S
SPM1-1610TP	5/8"	16,0	10	0,47	12,0	0,63	16	1,50	38,0	S
SPM1-1810TP	5/8"	16,0	10	0,47	12,0	0,71	18	1,34	34,0	L
SPM1-2010TP	5/8"	16,0	10	0,47	12,0	0,79	20	1,73	44,0	S
SPM1-2210TP	5/8"	16,0	10	0,47	12,0	0,87	22	1,42	36,0	L
SPM1-1812TP	3/4"	19,0	12	0,59	15,0	0,71	18	1,34	34,0	L
SPM1-2012TP	3/4"	19,0	12	0,59	15,0	0,79	20	1,77	45,0	S
SPM1-2212TP	3/4"	19,0	12	0,59	15,0	0,87	22	1,42	36,0	L
SPM1-2512TP	3/4"	19,0	12	0,59	15,0	0,99	25	1,93	49,0	S
SPM1-2812TP	3/4"	19,0	12	0,59	15,0	1,10	28	1,54	39,0	L
SPM1-2216TP	1"	25,4	16	0,79	20,0	0,87	22	1,42	36,0	L
SPM1-2516TP	1"	25,4	16	0,79	20,0	0,99	25	1,93	49,0	S
SPM1-2816TP	1"	25,4	16	0,79	20,0	1,10	28	1,54	39,0	L
SPM1-3016TP	1"	25,4	16	0,79	20,0	1,18	30	2,13	54,0	S
SPM1-3516TP	1"	25,4	16	0,79	20,0	1,38	35	1,85	47,0	L
SPM1-3816TP	1"	25,4	16	0,79	20,0	0,87	22	1,42	36,0	L
SPM1-2820TP	1.1/4"	31,8	20	1,02	26,0	1,10	28	1,54	39,0	L
SPM1-3020TP	1.1/4"	31,8	20	1,02	26,0	1,18	30	2,17	55,0	S
SPM1-3520TP	1.1/4"	31,8	20	1,02	26,0	1,38	35	1,85	47,0	L
SPM1-3820TP	1.1/4"	31,8	20	1,02	26,0	1,50	38	2,40	61,0	S
SPM1-4220TP	1.1/4"	31,8	20	1,02	26,0	1,65	42	1,93	49,0	L
SPM1-3824TP	1.1/2"	38,1	24	1,26	32,0	1,50	38	2,40	61,0	S
SPM1-4224TP	1.1/2"	38,1	24	1,26	32,0	1,65	42	1,93	49,0	L

METRIC STANDPIPE 90° ELBOW

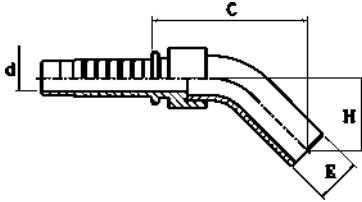
SPM9



part no. code	hose ID			d		pipe E		Cut off C		drop H		type tipo
	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	
SPM9-0603TP	3/16"	4,8	03	0,12	3,0	0,24	6,0	0,79	20,0	1,50	38,0	L/S
SPM9-0803TP	3/16"	4,8	03	0,12	3,0	0,32	8,0	0,95	24,0	1,54	39,0	L/S
SPM9-0604TP	1/4"	6,4	04	0,16	4,0	0,24	6,0	0,95	24,0	1,57	40,0	L/S
SPM9-0804TP	1/4"	6,4	04	0,16	4,0	0,32	8,0	0,95	24,0	1,57	40,0	L/S
SPM9-1004TP	1/4"	6,4	04	0,16	4,0	0,39	10,0	0,95	24,0	1,57	40,0	L/S
SPM9-1204TP	1/4"	6,4	04	0,16	4,0	0,47	12,0	0,99	25,0	1,77	45,0	L/S
SPM9-1005TP	5/16"	8,0	05	0,22	5,5	0,39	10,0	1,14	29,0	1,65	42,0	L/S
SPM9-1205TP	5/16"	8,0	05	0,22	5,5	0,47	12,0	1,14	29,0	1,77	45,0	L/S
SPM9-1006TP	3/8"	9,5	06	0,28	7,0	0,39	10,0	1,18	30,0	1,85	47,0	L/S
SPM9-1206TP	3/8"	9,5	06	0,28	7,0	0,47	12,0	1,18	30,0	1,85	47,0	L/S
SPM9-1406TP	3/8"	9,5	06	0,28	7,0	0,55	14,0	1,30	33,0	1,93	49,0	S
SPM9-1506TP	3/8"	9,5	06	0,28	7,0	0,59	15,0	1,50	38,0	2,09	53,0	L
SPM9-1408TP	1/2"	12,7	08	0,37	9,5	0,55	14,0	1,34	34,0	1,93	49,0	S
SPM9-1508TP	1/2"	12,7	08	0,37	9,5	0,59	15,0	1,49	38,0	2,09	53,0	L
SPM9-1806TP	1/2"	12,7	08	0,37	9,5	0,63	16,0	1,65	42,0	2,21	56,0	S
SPM9-1808TP	1/2"	12,7	08	0,37	9,5	0,71	18,0	1,65	42,0	2,21	56,0	L
SPM9-2008TP	1/2"	12,7	08	0,37	9,5	0,79	20,0	1,85	47,0	2,56	65,0	S
SPM9-1610TP	5/8"	16,0	10	0,47	12,0	0,63	16,0	1,65	42,0	2,21	56,0	S
SPM9-1810TP	5/8"	16,0	10	0,47	12,0	0,71	18,0	1,65	42,0	2,21	56,0	L
SPM9-2010TP	5/8"	16,0	10	0,47	12,0	0,79	20,0	1,85	47,0	2,56	65,0	S
SPM9-2210TP	5/8"	16,0	10	0,47	12,0	0,87	22,0	2,09	53,0	2,76	70,0	L
SPM9-1812TP	3/4"	19,0	12	0,47	12,0	0,71	18,0	1,65	42,0	2,21	56,0	L
SPM9-2010TP	3/4"	19,0	12	0,59	15,0	0,79	20,0	1,89	48,0	2,56	65,0	S
SPM9-2212TP	3/4"	19,0	12	0,59	15,0	0,87	22,0	2,09	53,0	2,76	70,0	L
SPM9-2512TP	3/4"	19,0	12	0,59	15,0	0,99	25,0	2,21	56,0	2,96	75,0	S
SPM9-2812TP	3/4"	19,0	12	0,59	15,0	1,10	28,0	2,64	67,0	3,27	83,0	L
SPM9-2516TP	1"	25,4	16	0,79	20,0	0,99	25,0	2,36	60,0	2,96	75,0	S
SPM9-2816TP	1"	25,4	16	0,79	20,0	1,10	28,0	2,64	67,0	3,27	83,0	L
SPM9-3016TP	1"	25,4	16	0,79	20,0	1,18	30,0	2,68	68,0	3,47	88,0	S
SPM9-3516TP	1"	25,4	16	0,79	20,0	1,38	35,0	3,03	77,0	3,78	96,0	L
SPM9-3816TP	1"	25,4	16	0,79	20,0	1,50	38,0	3,19	81,0	4,14	105,0	S
SPM9-3020TP	1.1/4"	31,8	20	1,02	26,0	1,18	30,0	2,64	67,0	3,47	88,0	S
SPM9-3520TP	1.1/4"	31,8	20	1,02	26,0	1,38	35,0	3,03	77,0	3,78	96,0	L
SPM9-3820TP	1.1/4"	31,8	20	1,02	26,0	1,50	38,0	3,19	81,0	4,14	105,0	S
SPM9-4220TP	1.1/4"	31,8	20	1,02	26,0	1,65	42,0	3,59	91,0	4,53	115,0	L
SPM9-3524TP	1.1/2"	38,1	24	1,26	32,0	1,38	35,0	3,03	77,0	3,78	96,0	L
SPM9-3824TP	1.1/2"	38,1	24	1,26	32,0	1,50	38,0	3,19	81,0	4,14	105,0	S
SPM9-4224TP	1.1/2"	38,1	24	1,26	32,0	1,65	42,0	3,59	91,0	4,53	115,0	L

METRIC STANDPIPE 45° ELBOW

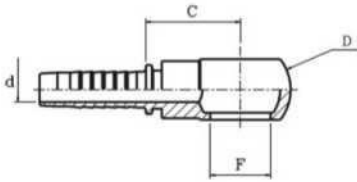
SPM4



part no. code	hose ID			d		pipe E		Cut-off C		Drop H		type
	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	
SPM4-0603TP	3/16"	4,8	03	0,12	3,0	0,24	6,0	1,62	41,0	0,79	20,0	L/S
SPM4-0803TP	3/16"	4,8	03	0,12	3,0	0,32	8,0	1,73	44,0	0,91	23,0	L/S
SPM4-0604TP	1/4"	6,4	04	0,16	4,0	0,24	6,0	1,65	42,0	1,18	30,0	L/S
SPM4-0804TP	1/4"	6,4	04	0,16	4,0	0,32	8,0	1,62	41,0	1,14	29,0	L/S
SPM4-1004TP	1/4"	6,4	04	0,16	4,0	0,39	10,0	1,65	42,0	1,18	30,0	L/S
SPM4-1204TP	1/4"	6,4	04	0,16	4,0	0,47	12,0	1,65	42,0	1,18	30,0	L/S
SPM4-0805TP	5/16"	8,0	05	0,22	5,5	0,32	8,0	1,62	41,0	1,18	30,0	L/S
SPM4-1005TP	5/16"	8,0	05	0,22	5,5	0,39	10,0	1,97	50,0	0,99	25,0	L/S
SPM4-1205TP	5/16"	8,0	05	0,22	5,5	0,47	12,0	2,09	53,0	1,02	26,0	L/S
SPM4-1006TP	3/8"	9,5	06	0,28	7,0	0,39	10,0	2,01	51,0	1,34	34,0	L/S
SPM4-1206TP	3/8"	9,5	06	0,28	7,0	0,47	12,0	2,13	54,0	1,34	34,0	L/S
SPM4-1406TP	3/8"	9,5	06	0,28	7,0	0,55	14,0	2,01	51,0	1,06	27,0	S
SPM4-1506TP	3/8"	9,5	06	0,28	7,0	0,59	15,0	2,17	55,0	1,10	28,0	L
SPM4-1208TP	1/2"	12,7	08	0,37	9,5	0,47	12,0	2,13	54,0	1,34	34,0	L/S
SPM4-1408TP	1/2"	12,7	08	0,37	9,5	0,55	14,0	2,05	52,0	1,06	27,0	S
SPM4-1508TP	1/2"	12,7	08	0,37	9,5	0,59	15,0	2,21	56,0	1,10	28,0	L
SPM4-1608TP	1/2"	12,7	08	0,37	9,5	0,63	16,0	2,17	55,0	1,10	28,0	S
SPM4-1808TP	1/2"	12,7	08	0,37	9,5	0,71	18,0	2,32	59,0	1,22	31,0	L
SPM4-1610TP	5/8"	16,0	10	0,47	12,0	0,63	16,0	2,17	55,0	1,10	28,0	S
SPM4-1810TP	5/8"	16,0	10	0,47	12,0	0,71	18,0	2,32	59,0	1,22	31,0	L
SPM4-2010TP	5/8"	16,0	10	0,47	12,0	0,79	20,0	2,56	65,0	1,30	33,0	S
SPM4-2210TP	5/8"	16,0	10	0,47	12,0	0,87	22,0	2,68	68,0	1,38	35,0	L
SPM4-1812TP	3/4"	19,0	12	0,59	15,0	0,71	18,0	2,32	59,0	1,22	31,0	L
SPM4-2012TP	3/4"	19,0	12	0,59	15,0	0,79	20,0	2,60	66,0	1,30	33,0	S
SPM4-2212TP	3/4"	19,0	12	0,59	15,0	0,87	22,0	2,64	67,0	1,38	35,0	L
SPM4-2512TP	3/4"	19,0	12	0,59	15,0	0,99	25,0	3,03	77,0	1,54	39,0	S
SPM4-2812TP	3/4"	14,0	12	0,59	15,0	1,10	28,0	3,62	92,0	1,50	38,0	L
SPM4-2516TP	1"	25,4	16	0,79	20,0	0,99	25,0	3,19	81,0	1,54	39,0	S
SPM4-2816TP	1"	25,4	16	0,79	20,0	1,10	28,0	3,62	92,0	1,50	38,0	L
SPM4-3016TP	1"	25,4	16	0,79	20,0	1,18	30,0	3,59	91,0	1,73	44,0	S
SPM4-3020TP	1.1/4"	31,8	20	1,02	26,0	1,18	30,0	3,59	91,0	1,73	44,0	S
SPM4-3520TP	1.1/4"	31,8	20	1,02	26,0	1,38	35,0	3,82	97,0	1,81	46,0	L
SPM4-3820TP	1.1/4"	31,8	20	1,02	26,0	1,50	38,0	4,06	103,0	2,01	51,0	S
SPM4-3824TP	1.1/2"	38,1	24	1,26	32,0	1,50	38,0	4,06	103,0	2,01	51,0	S
SPM4-4224TP	1.1/2"	38,1	24	1,26	32,0	1,65	42,0	4,45	113,0	3,62	92,0	L

METRIC BANJO

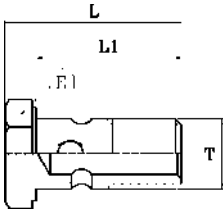
BM1



part no. code	hose ID		size	F	f		3		cut-off C	
	[in]	[mm]			[in]	[mm]	[in]	[mm]	[in]	[mm]
BM1-0803TP	3/16"	4,8	03	M8	0,12	3,0	0,55	14,0	0,83	21,0
BM1-1003TP	3/16"	4,8	03	M10	0,12	3,0	0,67	17,0	0,75	19,0
BM1-1403TP	3/16"	4,8	03	M14	0,12	3,0	0,95	24,0	1,06	27,0
BM1-1004TP	1/4"	6,4	04	M10	0,16	4,0	0,67	17,0	0,99	25,0
BM1-1204TP	1/4"	6,4	04	M12	0,16	4,0	0,79	20,0	1,06	27,0
BM1-1404TP	1/4"	6,4	04	M14	0,16	4,0	0,95	24,0	1,06	27,0
BM1-1604TP	1/4"	6,4	04	M16	0,16	4,0	1,10	28,0	1,02	26,0
BM1-1804TP	1/4"	6,4	04	M18	0,16	4,0	1,26	32,0	1,14	29,0
BM1-1005TP	5/16"	8,0	05	M10	0,22	5,5	0,67	17,0	0,99	25,0
BM1-1205TP	5/16"	8,0	05	M12	0,22	5,5	0,79	20,0	0,87	22,0
BM1-1405TP	5/16"	8,0	05	M14	0,22	5,5	0,95	24,0	0,94	24,0
BM1-1605TP	5/16"	8,0	05	M16	0,22	5,5	1,10	28,0	1,02	26,0
BM1-1805TP	5/16"	8,0	05	M18	0,22	5,5	1,26	32,0	1,14	29,0
BM1-2205TP	5/16"	8,0	05	M22	0,22	5,5	1,42	36,0	1,22	31,0
BM1-1206TP	3/8"	9,5	06	M12	0,28	7,0	0,79	20,0	1,06	27,0
BM1-1406TP	3/8"	9,5	06	M14	0,28	7,0	0,95	24,0	0,99	25,0
BM1-1606TP	3/8"	9,5	06	M16	0,28	7,0	1,10	28,0	1,02	26,0
BM1-1806TP	3/8"	9,5	06	M18	0,28	7,0	1,26	32,0	1,14	29,0
BM1-2206TP	3/8"	9,5	06	M22	0,28	7,0	1,42	36,0	1,22	31,0
BM1-1608TP	1/2"	12,7	08	M16	0,37	9,5	1,10	28,0	1,02	26,0
BM1-1808TP	1/2"	12,7	08	M18	0,37	9,5	1,26	32,0	1,14	29,0
BM1-2208TP	1/2"	12,7	08	M22	0,37	9,5	1,42	36,0	1,22	31,0
BM1-2608TP	1/2"	12,7	08	M26	0,37	9,5	1,81	46,0	1,50	38,0
BM1-1810TP	5/8"	16,0	10	M18	0,47	12,0	1,26	32,0	1,14	29,0
BM1-2210TP	5/8"	16,0	10	M22	0,47	12,0	1,42	36,0	1,22	31,0
BM1-2212TP	3/4"	19,0	12	M22	0,59	15,0	1,42	36,0	1,22	31,0
BM1-2612TP	3/4"	19,0	12	M26	0,59	15,0	1,81	46,0	1,50	38,0
BM1-3012TP	3/4"	19,0	12	M30	0,59	15,0	2,13	54,0	1,69	43,0
BM1-3016TP	1"	25,4	16	M30	0,79	20,0	2,13	54,0	1,69	43,0

METRIC BOLT

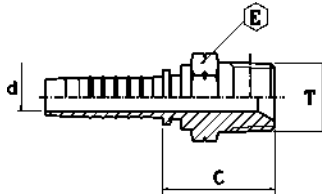
A-BMB



part no. code	T	[in]		[mm]		[in]		[psi]		[bar]	
A-BMB-10	M10-1	0,95	24,0	0,77	19,5	0,55	14,0	4351	300		
A-BMB-12	M12-1,5	1,24	31,5	1,00	25,5	0,67	17,0	4351	300		
A-BMB-14	M14-1,5	1,34	34,0	1,12	28,5	0,75	19,0	4351	300		
A-BMB-16	M16-1,5	1,62	41,0	1,30	33,0	0,87	22,0	4351	300		
A-BMB-18	M18-1,5	1,75	44,5	1,44	36,5	0,95	24,0	3626	250		
A-BMB-22	M22-1,5	1,83	46,5	1,36	34,5	1,06	27,0	2901	200		
A-BMB-26	M26-1,5	2,21	56,0	1,79	45,5	1,26	32,0	2901	200		
A-BMB-30	M30-1,5	2,60	66,0	2,17	55,0	1,42	36,0	2175	150		

Two copper washers for bolt must be ordered separately

NPTF MALE 60° FLARE

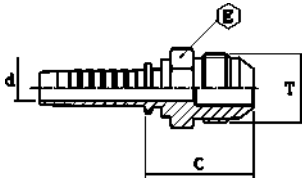


NM1

part no. code	hose ID			thread T	[in]		c		Cut off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]
NM1-0203TP	3/16"	4,8	03	1/8-27	0,12	3,0	0,47	12	0,87	22,0
NM1-0403TP	3/16"	4,8	03	1/4-18	0,12	3,0	0,59	15	1,10	28,0
NM1-0402TP	1/4"	6,4	04	1/8-27	0,16	4,0	0,47	12	0,87	22,0
NM1-0404TP	1/4"	6,4	04	1/4-18	0,16	4,0	0,59	15	1,10	28,0
NM1-0604TP	1/4"	6,4	04	3/8-18	0,16	4,0	0,75	19	1,10	28,0
NM1-0405TP	5/16"	8,0	05	1/4-18	0,22	5,5	0,59	15	1,10	28,0
NM1-0605TP	5/16"	8,0	05	3/8-18	0,22	5,5	0,75	19	1,10	28,0
NM1-0406TP	3/8"	9,5	06	1/4-18	0,28	7,0	0,59	15	1,10	28,0
NM1-0606TP	3/8"	9,5	06	3/8-18	0,28	7,0	0,75	19	1,10	28,0
NM1-0806TP	3/8"	9,5	06	1/2-14	0,28	7,0	0,87	22	1,34	34,0
NM1-0608TP	1/2"	12,7	08	3/8-18	0,37	9,5	0,75	19	1,14	29,0
NM1-0808TP	1/2"	12,7	08	1/2-14	0,37	9,5	0,87	22	1,38	35,0
NM1-1208TP	1/2"	12,7	08	3/4-14	0,47	12,0	1,06	27	1,42	36,0
NM1-0810TP	5/8"	16,0	10	1/2-14	0,47	12,0	0,87	22	1,38	35,0
NM1-1210TP	5/8"	16,0	10	3/4-14	0,47	12,0	1,06	27	1,42	36,0
NM1-1212TP	3/4"	19,0	12	3/4-14	0,59	15,0	1,06	27	1,46	37,0
NM1-1612TP	3/4"	19,0	12	1-11.1/2	0,59	15,0	1,42	36	1,69	43,0
NM1-1616TP	1"	25,4	16	1-11.1/2	0,79	20,0	1,42	36	1,73	44,0
NM1-2016TP	1"	25,4	16	1.1/4-11.1/2	0,79	20,0	1,81	46	1,81	46,0
NM1-2020TP	1.1/4"	31,8	20	1.1/4-11.1/2	1,02	26,0	1,81	46	1,85	47,0
NM1-2424TP	1.1/2"	38,1	24	1.1/2-11.1/2	1,26	32,0	1,97	50	1,93	49,0
NM1-3232TP	2"	50,8	32	2-11.1/2	1,73	44,0	2,56	65	2,17	55,0

JIC MALE 37° FLARE

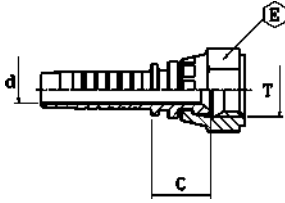
JM1



part no. code	hose ID			thread T	d		E		cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]
JM1-0703TP	3/16"	4,8	03	7/16-20	0,12	3,0	0,47	12	1,02	26,0
JM1-0704TP	1/4"	6,4	04	7/16-20	0,16	4,0	0,47	12	1,06	27,0
JM1-0804TP	1/4"	6,4	04	1/2-20	0,16	4,0	0,55	14	1,06	27,0
JM1-0904TP	1/4"	6,4	04	9/16-18	0,16	4,0	0,59	15	1,06	27,0
JM1-0805TP	5/16"	8,0	05	1/2-20	0,16	4,0	0,55	14	1,06	27,0
JM1-0905TP	5/16"	8,0	05	9/16-18	0,22	5,5	0,59	15	1,06	27,0
JM1-1205TP	5/16"	8,0	05	3/4-16	0,22	5,5	0,75	19	1,18	30,0
JM1-0906TP	3/8"	9,5	06	9/16-18	0,28	7,0	0,59	15	1,06	27,0
JM1-1206TP	3/8"	9,5	06	3/4-16	0,28	7,0	0,75	19	1,18	30,0
JM1-1406TP	3/8"	9,5	06	7/8-14	0,28	7,0	0,95	24	1,34	34,0
JM1-1208TP	1/2"	12,7	08	3/4-16	0,37	9,5	0,75	19	1,22	31,0
JM1-1408TP	1/2"	12,7	08	7/8-14	0,37	9,5	0,95	24	1,38	35,0
JM1-1708TP	1/2"	12,7	08	1.1/16-12	0,37	9,5	1,06	27	1,46	37,0
JM1-1410TP	5/8"	16,0	10	7/8-14	0,47	12,0	0,95	24	1,38	35,0
JM1-1710TP	5/8"	16,0	10	1.1/16-12	0,47	12,0	1,06	27	1,46	37,0
JM1-1910TP	5/8"	16,0	10	1.3/16-12	0,47	12,0	1,26	32	1,62	41,0
JM1-1412TP	3/4"	19,0	12	7/8-14	0,59	15,0	0,95	24	1,42	36,0
JM1-1712TP	3/4"	19,0	12	1.1/16-12	0,59	15,0	1,06	27	1,50	38,0
JM1-1912TP	3/4"	19,0	12	1.3/16-12	0,59	15,0	1,26	32	1,62	41,0
JM1-2112TP	3/4"	19,0	12	1.5/16-12	0,59	15,0	1,34	34	1,65	42,0
JM1-2116TP	1"	25,4	16	1.5/16-12	0,79	20,0	1,34	34	1,69	43,0
JM1-2616TP	1"	25,4	16	1.5/8-12	0,79	20,0	1,65	42	1,81	46,0
JM1-2620TP	1.1/4"	31,8	20	1.5/8-12	1,02	26,0	1,65	42	1,85	47,0
JM1-3020TP	1.1/4"	31,8	20	1.7/8-12	1,02	26,0	1,97	50	2,05	52,0
JM1-3024TP	1.1/2"	38,1	24	1.7/8-12	1,26	32,0	1,97	50	2,05	52,0
JM1-4024TP	1.1/2"	38,1	24	2.1/2-2'1	1,26	32,0	2,56	65	2,44	62,0
JM1-4032TP	2"	50,8	32	2.1/2-12	1,73	44,0	2,56	65	2,44	62,0

JIC FEMALE 37° FLARE

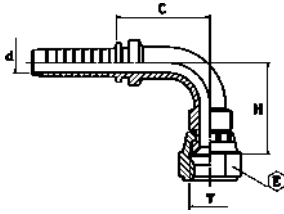
JF1



part no. code	hose ID		thread		d		E		cut-off C	
	[in]	[mm]	size	T	[in]	[mm]	[in]	[mm]	[in]	[mm]
JF1-0703TP	3/16"	4,8	03	7/16-20	0,12	3,0	0,59	15	0,51	13,0
JF1-0803TP	3/16"	4,8	03	1/2-20	0,12	3,0	0,67	17	0,59	15,0
JF1-0903TP	3/16"	4,8	03	9/16-18	0,12	3,0	0,75	19	0,63	16,0
JF1-0704TP	1/4"	6,4	04	7/16-20	0,16	4,0	0,59	15	0,51	13,0
JF1-0804TP	1/4"	6,4	04	1/2-20	0,16	4,0	0,67	17	0,59	15,0
JF1-0904TP	1/4"	6,4	04	9/16-18	0,16	4,0	0,75	19	0,63	16,0
JF1-0905TP	5/16"	8,0	05	9/16-18	0,22	5,5	0,75	19	0,63	16,0
JF1-0906TP	3/8"	9,5	06	9/16-18	0,28	7,0	0,75	19	0,63	16,0
JF1-1206TP	3/8"	9,5	06	3/4-16	0,28	7,0	0,95	24	0,63	16,0
JF1-1406TP	3/8"	9,5	06	7/8-14	0,28	7,0	1,06	27	0,75	19,0
JF1-1208TP	1/2"	12,7	08	3/4-16	0,37	9,5	0,95	24	0,67	17,0
JF1-1408TP	1/2"	12,7	08	7/8-14	0,37	9,5	1,06	27	0,75	19,0
JF1-1708TP	1/2"	12,7	08	1.1/16-12	0,37	9,5	1,26	32	0,75	19,0
JF1-1410TP	5/8"	16,0	10	7/8-14	0,47	12,0	1,06	27	0,75	19,0
JF1-1710TP	5/8"	16,0	10	1.1/16-12	0,47	12,0	1,26	32	0,75	19,0
JF1-1412TP	3/4"	19,0	12	7/8-14	0,59	15,0	1,26	32	0,79	20,0
JF1-1712TP	3/4"	19,0	12	1.1/16-12	0,59	15,0	1,26	32	0,79	20,0
JF1-1912TP	3/4"	19,0	12	1.3/16-12	0,59	15,0	1,42	36	0,83	21,0
JF1-2112TP	3/4"	19,0	12	1.5/16-12	0,59	15,0	1,50	38	0,83	21,0
JF1-1716TP	1"	25,4	16	1 1/16-12	0,59	15,0	1,26	32	0,79	20,0
JF1-2116TP	1"	25,4	16	1.5/16-12	0,79	20,0	1,50	38	0,87	22,0
JF1-2616TP	1"	25,4	16	1 5/8-12	1,02	26,0	1,97	50	1,10	28,0
JF1-2620TP	1.1/4"	31,8	20	1.5/8-12	1,02	26,0	1,97	50	1,10	28,0
JF1-3020TP	1.1/4"	31,8	20	1.7/8-12	1,02	26,0	2,17	55	1,22	31,0
JF1-3024TP	1.1/2"	38,1	24	1.7/8-12	1,26	32,0	2,17	55	1,22	31,0
JF1-4032TP	2"	50,8	32	2.1/2-12	1,73	44,0	2,76	70	1,22	31,0

JIC FEMALE 37° FLARE 90° ELBOW

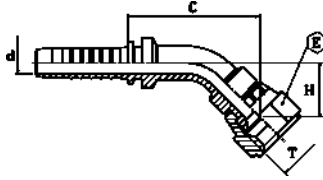
JF9



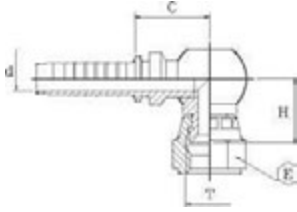
part no. code	hose ID			thread T	d		E		cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
JF9-0703TP	3/16"	4,8	03	7/16-20	0,12	3,0	0,59	15	0,87	22,0	0,87	22,0
JF9-0803TP	3/16"	4,8	03	1/2-20	0,12	3,0	0,67	17	0,99	25,0	0,99	25,0
JF9-0704TP	1/4"	6,4	04	7/16-20	0,16	4,0	0,59	15	0,99	25,0	0,95	24,0
JF9-0804TP	1/4"	6,4	04	1/2-20	0,16	4,0	0,67	17	0,99	25,0	0,99	25,0
JF9-0904TP	1/4"	6,4	04	9/16-18	0,16	4,0	0,75	19	1,06	27,0	1,02	26,0
JF9-0905TP	5/16"	8,0	05	9/16-18	0,22	5,5	0,75	19	1,18	30,0	1,22	31,0
JF9-0906TP	3/8"	9,5	06	9/16-18	0,28	7,0	0,75	19	1,30	33,0	1,26	32,0
JF9-1206TP	3/8"	9,5	06	3/4-16	0,28	7,0	0,95	24	1,30	33,0	1,30	33,0
JF9-1406TP	3/8"	9,5	06	7/8-14	0,28	7,0	1,06	27	1,30	33	1,37	35,0
JF9-1208TP	1/2"	12,7	08	3/4-16	0,37	9,5	0,95	24	1,54	39,0	1,50	38,0
JF9-1408TP	1/2"	12,7	08	7/8-14	0,37	9,5	1,06	27	1,65	42,0	1,65	42,0
JF9-1708TP	1/2"	12,7	08	1.1/16-12	0,37	9,5	1,26	32	1,54	39,0	1,65	42,0
JF9-1410TP	5/8"	16,0	10	7/8-14	0,47	12,0	1,06	27	1,77	45,0	1,77	45,0
JF9-1710TP	5/8"	16,0	10	1.1/16-12	0,47	12,0	1,26	32	1,77	45,0	1,77	45,0
JF9-1412TP	3/4"	19,0	12	7/8-14	0,59	15,0	1,06	27	1,77	45,0	1,77	45,0
JF9-1712TP	3/4"	19,0	12	1.1/16-12	0,59	15,0	1,26	32	2,21	56,0	2,05	52,0
JF9-1912TP	3/4"	19,0	12	1.3/16-12	0,59	15,0	1,42	36	2,21	56,0	2,09	53,0
JF9-2112TP	3/4"	19,0	12	1.5/16-12	0,59	15,0	1,50	38	2,25	57,0	2,21	56,0
JF9-2116TP	1"	25,4	16	1.5/16-12	0,79	20,0	1,50	38	2,76	70,0	2,56	65,0
JF9-2616TP	1"	25,4	16	1.5/8-12	1,02	26,0	1,97	50	3,35	85,0	3,47	88,0
JF9-2620TP	1.1/4"	31,8	20	1.5/8-12	1,02	26,0	1,97	50	3,35	85,0	3,47	88,0
JF9-3020TP	1.1/4"	31,8	20	1.7/8-12	1,26	32,0	2,17	55	3,90	99,0	3,98	101,0
JF9-3024TP	1.1/2"	38,1	24	1.7/8-12	1,26	32,0	2,17	55	3,90	99,0	3,98	101,0
JF9-4032TP	2"	50,8	32	2.1/2-12	1,73	44,0	2,76	70	4,93	125,0	5,20	132,0

**JIC FEMALE 37° FLARE 45°
ELBOW**

JF4



part no. code	hose ID			thread T	d		E		cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
JF4-0703TP	3/16"	4,8	03	7/16-20	0,12	3,0	0,59	15	1,30	33,0	0,55	14,0
JF4-0803TP	3/16"	4,8	03	1/2-20	0,12	3,0	0,59	15	1,30	33,0	0,55	14,0
JF4-0704TP	1/4"	6,4	04	7/16-20	0,16	4,0	0,59	15	1,34	34,0	0,51	13,0
JF4-0804TP	1/4"	6,4	04	1/2-20	0,16	4,0	0,67	17	1,57	40,0	0,51	13,0
JF4-0904TP	1/4"	6,4	04	9/16-18	0,16	4,0	0,75	19	1,57	40,0	0,59	15,0
JF4-0905TP	5/16"	8,0	05	9/16-18	0,22	5,5	0,75	19	1,85	47,0	0,63	16,0
JF4-0906TP	3/8"	9,5	06	9/16-18	0,28	7,0	0,75	19	1,30	33,0	1,26	32,0
JF4-1206TP	3/8"	9,5	06	7/8-14	0,37	9,5	1,06	27	2,48	63,0	0,79	20,0
JF4-1406TP	1/2"	12,7	08	3/4-16	0,37	9,5	0,95	24	2,36	60,0	0,75	19,0
JF4-1208TP	1/2"	12,7	08	7/8-14	0,37	9,5	1,06	27	2,48	63,0	0,79	20,0
JF4-1408TP	1/2"	12,7	08	1.1/16-12	0,37	9,5	1,26	32	2,09	53,0	0,95	24,0
JF4-1708TP	5/8"	16,0	10	7/8-14	0,47	12,0	1,06	27	2,68	68,0	0,95	24,0
JF4-1410TP	5/8"	16,0	10	1.1/16-12	0,47	12,0	1,26	32	2,68	68,0	0,91	23,0
JF4-1710TP	5/8"	16,0	10	1.3/16-12	0,47	12,0	1,42	36	2,56	65,0	1,18	30,0
JF4-1412TP	3/4"	19,0	12	7/8-14	0,59	15,0	1,06	27	2,68	68,0	0,95	24,0
JF4-1712TP	3/4"	19,0	12	1.1/16-12	0,59	15,0	1,26	32	2,72	69,0	1,06	27,0
JF4-1912TP	3/4"	19,0	12	1.3/16-12	0,59	15,0	1,42	36	2,56	65,0	1,18	30,0
JF4-2112TP	3/4"	19,0	12	1.5/16-12	0,59	15,0	1,50	38	2,84	72,0	1,18	30,0
JF4-2116TP	1"	25,4	16	1.1/16-12	0,79	20,0	1,26	32	3,19	81,0	1,26	32,0
JF4-2616TP	1"	25,4	16	1.5/8-12	1,02	26,0	1,97	50	4,14	105,0	2,05	52,0
JF4-2620TP	1.1/4"	31,8	20	1.5/8-12	1,02	26,0	1,97	50	4,14	105,0	2,05	52,0
JF4-3020TP	1.1/4"	31,8	20	1.7/8-12	1,16	32,0	2,17	55	5,44	138,0	2,29	58,0
JF4-3024TP	1.1/2"	38,1	24	1.7/8-12	1,26	32,0	2,17	55	5,44	138,0	2,29	58,0
JF4-4032TP	2"	50,8	32	2.1/2-12	1,73	44,0	2,76	70	6,58	167,0	3,03	77,0



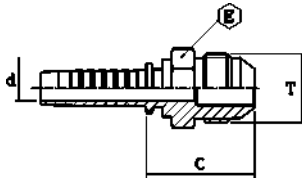
**JIC COMPACT FEMALE 37°
FLARE 90° ELBOW**

JFC9

part no. code	hose ID			thread T					Cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
JFC9-0704TP	1/4"	6,4	04	7/16-20	0,16	4,0	0,55	14	0,99	25,0	0,79	20,0
JFC9-0804TP	1/4"	6,4	04	1/2-20	0,16	4,0	0,67	17	0,99	25,0	0,83	21,0
JFC9-0904TP	1/4"	6,4	04	9/16-18	0,16	4,0	0,75	19	0,99	25,0	0,79	20,0
JFC9-0905TP	5/16"	8,0	05	9/16-18	0,22	5,5	0,75	19	1,02	26,0	0,95	24,0
JFC9-0906TP	3/8"	9,5	06	9/16-18	0,28	7,0	0,75	19	1,02	26,0	0,95	24,0
JFC9-1206TP	3/8"	9,5	06	3/4-16	0,28	7,0	0,95	24	1,02	26,0	0,91	23,0
JFC9-1208TP	1/2"	12,7	08	3/4-16	0,37	9,5	0,95	24	1,06	27,0	0,91	23,0
JFC9-1408TP	1/2"	12,7	08	7/8-14	0,37	9,5	1,06	27	1,06	27,0	0,91	23,0
JFC9-1410TP	5/8"	16,0	10	7/8-14	0,47	12,0	1,06	27	1,06	27,0	1,06	27,0
JFC9-1710TP	5/8"	16,0	10	1.1/16-12	0,47	12,0	1,26	32	1,06	27,0	1,14	29,0
JFC9-1712TP	3/4"	19,0	12	1.1/16-12	0,59	15,0	1,26	32	1,26	32,0	1,22	31,0
JFC9-2116TP	1"	25,4	16	1.5/16-12	0,79	20,0	1,62	41	1,38	35,0	1,46	37,0

SAE MALE 45° FLARE

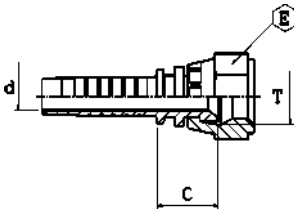
SM1



part no. code	hose ID			thread T	d		E		cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]
SM1-1006TP	3/8"	9,5	06	5/8-18	0,28	7,0	0,67	17	1,14	29

SAE FEMALE 45° FLARE

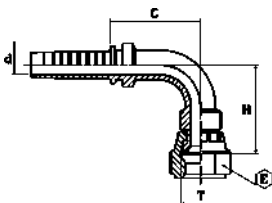
SF1



part no. code	hose ID			thread T	d		E		cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]
SF1-1006TP	3/8"	9,5	06	5/8-18	0,28	7,0	0,87	22	0,59	15,0

SAE FEMALE 90° FLARE 45° ELBOW

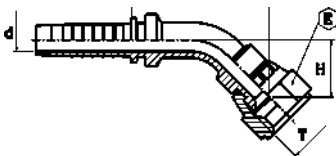
SF9



part no. code	hose ID			thread T	d		E		cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
SF9-1006TP	3/8"	9,5	06	5/8-18	0,28	7,0	0,87	22	1,30	33	1,26	32

SAE FEMALE 45° FLARE 45° ELBOW

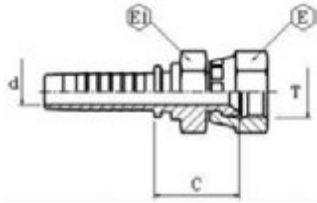
SF4



part no. code	hose ID			thread T	d		c		cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
SF4-1006TP	3/8"	9,5	06	5/8-18	0,28	7,0	0,87	22	1,65	42,0	0,67	17,0

**JIS BSP FEMALE 60° FLARE
WITH HEXAGON,
for Toyota machines**

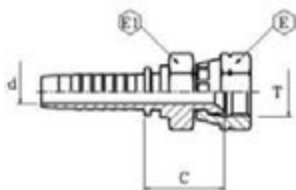
JBF1



part no. code	hose ID			thread T	d		E		E1		cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
JBF1-0404TP	1/4"	6,4	04	1/4-19	0,16	4,0	0,75	19	0,75	19	0,77	19,5
JBF1-0606TP	3/8"	9,5	06	3/8-19	0,28	7,0	0,87	22	0,75	19	0,91	23
JBF1-0808TP	1/2"	12,7	08	1/2-14	0,37	9,5	1,06	27	1,06	27	1,02	26
JBF1-1212TP	3/4"	19	12	3/4-14	0,59	15,0	1,26	32	1,26	32	1,12	28,5
JBF1-1616TP	1"	25,4	16	1-11	0,79	20,0	1,50	38	1,42	36	1,22	31
JBF1-2020TP	1 1/4"	31,8	20	1 1/4-11	1,02	26,0	1,81	46	1,81	46	1,50	38
JBF1-2424TP	1 1/2"	38,1	24	1 1/2-11	1,26	32,0	1,97	50	1,97	50	1,64	41,5

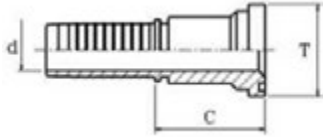
**JIS METRIC FEMALE 60° FLARE
WITH HEXAGON,
for Komatsu machines**

JMF1



part no. code	hose ID			thread T	d		E		E1		cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
JMF1-1404TP	1/4"	6,4	04	M14-1.5	0,16	4,0	0,75	19	0,75	19	0,85	21,5
JMF1-1804TP	1/4"	6,4	04	M18-1,5	0,16	4,0	0,95	24	0,87	22	1,00	25,5
JMF1-1605TP	5/16"	8,0	05	M16-1.5	0,22	5,5	0,87	22	0,75	19	0,89	22,5
JMF1-1406TP	3/8"	9,5	06	M14-1.5	0,28	7,0	0,75	19	0,75	19	0,87	22,5
JMF1-1606TP	3/8"	9,5	06	M16-1.5	0,28	7,0	0,87	22	0,75	19	0,89	22,5
JMF1-1806TP	3/8"	9,5	06	M18-1.5	0,28	7,0	0,95	24	0,87	22	1,00	25,5
JMF1-1808TP	1/2"	12,7	08	M18-1,5	0,37	9,5	0,95	24	0,87	22	1,00	25,5
JMF1-2208TP	1/2"	12,7	08	M22-1.5	0,37	9,5	1,06	27	1,06	27	1,00	25,5
JMF1-2408TP	1/2"	12,7	08	M24-1.5	0,37	9,5	1,18	30	1,06	27	1,00	25,5
JMF1-2410TP	5/8"	16,0	10	M24-1.5	0,47	12,0	1,18	30	1,18	30	1,00	25,5
JMF1-3012TP	3/4"	19,0	12	M30-1.5	0,59	15,0	1,42	36	1,42	36	1,24	31,5
JMF1-3316TP	1"	25,4	16	M33-1.5	0,79	20,0	1,62	41	1,42	36	1,36	34,5
JMF1-3616TP	1"	25,4	16	M36-1,5	0,79	20,0	1,81	46	1,81	46	1,50	38,0
JMF1-4516TP	1"	25,4	16	M45-1,5	0,79	20,0	1,97	50	1,97	50	1,64	41,5
JMF1-3620TP	1.1/4"	31,8	20	M36-1.5	1,02	26,0	1,81	46	1,81	46	1,50	38
JMF1-4224TP	1.1/2"	38,1	24	M42-1.5	1,26	32,0	1,97	50	1,97	50	1,64	41,5

FLANGE SAE 3000 STRAIGHT

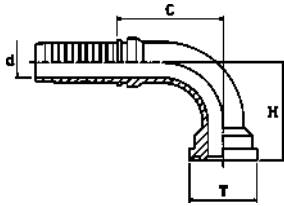


C611

part no. code	hose ID			T					Cut off	
	[in]	[mm]	size	[in]	[mm]	size	[in]	[mm]	[in]	[mm]
C611-0808TP	1/2"	12,7	08	1,19	30,2	1/2	0,37	9,5	1,77	45,0
C611-1208TP	1/2"	12,7	08	1,50	38,1	3/4	0,37	9,5	1,97	50,0
C611-1212TP	3/4"	19,0	12	1,50	38,1	3/4	0,59	15,0	1,97	50,0
C611-1612TP	3/4"	19,0	12	1,75	44,5	1	0,59	15,0	2,09	53,0
C611-1216TP	1"	25,4	16	1,50	38,1	3/4	0,79	20,0	1,97	50,0
C611-1616TP	1"	25,4	16	1,75	44,5	1	0,79	20,0	2,13	54,0
C611-2016TP	1"	25,4	16	2,00	50,8	1.1/4	0,79	20,0	2,25	57,0
C611-2020TP	1.1/4"	31,8	20	2,00	50,8	1.1/4	1,02	26,0	2,32	59,0
C611-2420TP	1.1/4"	31,8	20	2,38	60,4	1.1/2	1,02	26,0	2,44	62,0
C611-2424TP	1.1/2"	38,1	24	2,38	60,4	1.1/2	1,26	32,0	2,44	62,0
C611-3224TP	1.1/2"	38,1	24	2,81	71,4	2	1,26	32,0	2,64	67,0
C611-3232TP	2"	50,8	32	2,81	71,4	2	1,73	44,0	2,68	68,0
C611-4032TP	2"	50,8	32	3,31	84,1	2.1/2	1,73	44,0	2,76	70,0
C611-4040TP	2.1/2"	63,0	40	3,31	84,1	2.1/2	2,17	55,0	2,99	76,0
C611-4848TP	3"	75,5	48	4,00	101,6	3	2,68	68,0	3,43	87,0

FLANGE SAE 3000 90° ELBOW

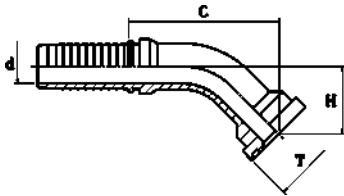
C619



part no. code	hose ID			T			d		Cut-off C		Drop H	
	[in]	[mm]	size	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]
C619-0808TP	1/2"	12,7	08	1,19	30,2	1/2	0,37	9,5	1,54	39,0	1,54	39,0
C619-1208TP	1/2"	12,7	08	1,50	38,1	3/4	0,37	9,5	1,62	41,0	1,73	44,0
C619-0812TP	3/4"	19,0	12	1,19	30,2	1/2	0,37	9,5	1,54	39,0	1,54	39,0
C619-1212TP	3/4"	19,0	12	1,50	38,1	3/4	0,59	15,0	2,05	52,0	2,17	55,0
C619-1612TP	3/4"	19,0	12	1,75	44,5	1	0,59	15,0	2,21	56,0	2,29	58,0
C619-1216TP	1"	25,4	16	1,50	38,1	3/4	0,79	20,0	2,05	52,0	2,17	55,0
C619-1616TP	1"	25,4	16	1,75	44,5	1	0,79	20,0	2,72	69,0	2,48	63,0
C619-2016TP	1"	25,4	16	2,00	50,8	1.1/4	0,79	20,0	2,72	69,0	2,80	71,0
C619-1620TP	1.1/4"	31,8	20	1,75	44,5	1	1,02	26,0	3,43	87,0	2,96	75,0
C619-2020TP	1.1/4"	31,8	20	2,00	50,8	1.1/4	1,02	26,0	3,43	87,0	2,96	75,0
C619-2420TP	1.1/4"	31,8	20	2,38	60,4	1.1/2	1,02	26,0	3,35	85,0	3,35	85,0
C619-2024TP	1.1/2"	38,1	24	2,00	50,8	1.1/4	1,18	20,0	3,43	87,0	2,96	75,0
C619-2424TP	1.1/2"	38,1	24	2,38	60,4	1.1/2	1,18	30,0	3,90	99,0	3,74	95,0
C619-3224TP	1.1/2"	38,1	24	2,81	71,4	2	1,18	30,0	4,14	105,0	3,90	99,0
C619-3232TP	2"	50,8	32	2,81	71,4	2	1,57	40,0	4,93	125,0	4,53	115,0
C619-4032TP	2"	50,8	32	3,31	84,1	2.1/2	1,57	40,0	4,93	125,0	4,73	120,0
C619-4040TP	2.1/2"	63,0	40	3,31	84,1	2.1/2	2,17	55,0	3,55	90,0	3,41	86,5
C619-4848TP	3"	75,5	48	4,00	101,6	3	2,68	68,0	4,53	115,0	4,17	106,0

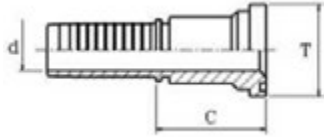
FLANGE SAE 3000 45° ELBOW

C614



part no. code	hose ID			T			d		Cut-off C		drop H	
	[in]	[mm]	size	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]
C614-0808TP	1/2"	12,7	08	1,19	30,2	1/2	0,37	9,5	2,01	51,0	0,87	22,0
C614-1208TP	1/2"	12,7	08	1,50	38,1	3/4	0,37	9,5	2,13	54,0	0,99	25,0
C614-0812TP	3/4"	19,0	12	1,19	30,2	1/2	0,59	15,0	2,01	51,0	0,87	22,0
C614-1212TP	3/4"	19,0	12	1,50	38,1	3/4	0,59	15,0	2,76	70,0	1,18	30,0
C614-1612TP	3/4"	19,0	12	1,75	44,5	1	0,59	15,0	2,88	73,0	1,22	31,0
C614-1216TP	1"	25,4	16	1,50	38,1	3/4	0,79	20,0	2,76	70,0	1,18	30,0
C614-1616TP	1"	25,4	16	1,75	44,5	1	0,79	20,0	3,23	82,0	1,38	35,0
C614-2016TP	1"	25,4	16	2,00	50,8	1.1/4	0,79	20,0	3,43	87,0	1,46	37,0
C614-1620TP	1.1/4"	31,8	20	1,75	44,5	1	1,02	26,0	3,23	82,0	1,38	35,0
C614-2020TP	1.1/4"	31,8	20	2,00	50,8	1.1/4	1,02	26,0	3,94	100,0	1,85	47,0
C614-2420TP	1.1/4"	31,8	20	2,38	60,4	1.1/2	1,02	26,0	4,02	102,0	1,93	49,0
C614-2024TP	1.1/2"	38,1	24	2,00	50,8	1.1/4	1,18	30,0	4,02	102,0	1,93	49,0
C614-2424TP	1.1/2"	38,1	24	2,38	60,4	1.1/2	1,18	30,0	4,37	111,0	1,97	50,0
C614-3224TP	1.1/2"	38,1	24	2,81	71,4	2	1,18	30,0	4,45	113,0	2,05	52,0
C614-2432TP	2"	50,8	32	2,38	60,4	1.1/2	1,57	40,0	4,37	111,0	1,97	50,0
C614-3232TP	2"	50,8	32	2,81	71,4	2	1,57	40,0	5,23	183,0	1,85	47,0
C614-4040TP	2.1/2"	63,0	40	3,31	84,1	2.1/2	2,17	55,0	2,96	75,0	1,18	30,0
C614-4848TP	3"	75,5	48	4,00	101,6	3	2,68	68,0	3,74	95,0	1,38	35,0

FLANGE SAE 6000 STRAIGHT

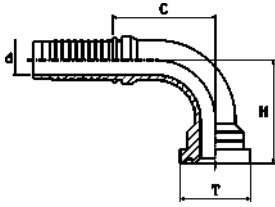


C621

part no. code	hose ID			T			d		Cut-off C	
	[in]	[mm]	size	[in]	[mm]	size	[in]	[mm]	[in]	[mm]
C621-0808TP	1/2"	12,7	08	1,25	31,7	1/2	0,37	9,5	1,81	46,0
C621-1208TP	1/2"	12,7	08	1,63	41,3	3/4	0,37	9,5	2,09	53,0
C621-0812TP	3/4"	19,0	12	1,25	31,7	A	0,59	15,0	1,81	46,0
C621-1212TP	3/4"	19,0	12	1,63	41,3	3/4	0,59	15,0	2,13	54,0
C621-1612TP	3/4"	19,0	12	1,88	47,6	1	0,59	15,0	2,36	60,0
C621-1612TP	1"	25,4	16	1,63	41,3	%	0,79	20,0	2,13	54,0
C621-1616TP	1"	25,4	16	1,88	47,6	1	0,79	20,0	2,40	61,0
C621-2016TP	1"	25,4	16	2,13	54,0	1.1/4	0,79	20,0	2,68	68,0
C621-1620TP	1.1/4"	31,8	20	1,88	47,6	1	1,02	26,0	2,40	61,0
C621-2020TP	1.1/4"	31,8	20	2,13	54,0	1.1/4	1,02	26,0	2,76	70,0
C621-2420TP	1.1/4"	31,8	20	2,50	63,5	1.1/2	1,02	26,0	2,99	76,0
C621-2424TP	1.1/2"	38,1	24	2,50	63,5	1.1/2	1,26	32,0	2,99	76,0
C621-3224TP	1.1/2"	38,1	24	3,13	79,4	2	1,26	32,0	3,35	85,0
C621-3232TP	2"	50,8	32	3,13	79,4	2	1,73	44,0	3,35	85,0

FLANGE SAE 6000 90° ELBOW

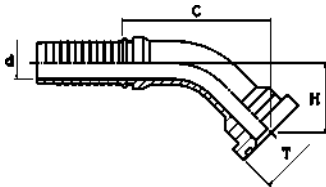
C629



part no. code	hose ID			T			d		Cut-off C		drop H	
	[in]	[mm]	size	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]
C629-0808TP	1/2"	12,7	08	1,25	31,7	1/2	0,37	9,5	1,54	39,0	1,54	39,0
C629-1208TP	1/2"	12,7	08	1,63	41,3	3/4	0,37	9,5	1,54	39,0	1,69	43,0
C629-0812TP	3/4"	19,0	12	1,25	31,7	1/2	0,59	15,0	1,54	39,0	1,54	39,0
C629-1212TP	3/4"	19,0	12	1,63	41,3	3/4	0,59	15,0	2,21	56,0	2,25	57,0
C629-1612TP	3/4"	19,0	12	1,88	47,6	1	0,59	15,0	2,21	56,0	2,52	64,0
C629-1216TP	1"	25,4	16	1,63	41,3	3/4	0,79	20,0	2,21	56,0	2,25	57,0
C629-1616TP	1"	25,4	16	1,88	47,6	1	0,79	20,0	2,76	70,0	2,76	70,0
C629-2016TP	1"	25,4	16	2,13	54,0	1.1/4	0,79	20,0	2,76	70,0	3,03	77,0
C629-1620TP	1.1/4"	31,8	20	1,88	47,6	1	1,02	26,0	2,76	70,0	2,76	70,0
C629-2020TP	1.1/4"	31,8	20	2,13	54,0	1.1/4	1,02	26,0	3,27	83,0	3,19	81,0
C629-2420TP	1.1/4"	31,8	20	2,50	63,5	1.1/2	1,02	26,0	3,35	85,0	3,78	96,0
C629-2424TP	1.1/2"	38,1	24	2,50	63,5	1.1/2	1,18	30,0	4,02	102,0	4,22	107,0
C629-3224TP	1.1/2"	38,1	24	3,13	79,4	2	1,18	30,0	3,90	99,0	4,57	116,0
C629-3232TP	2"	50,8	32	3,13	79,4	2	1,57	40,0	4,93	125,0	5,36	136,0

FLANGE SAE 6000 45° ELBOW

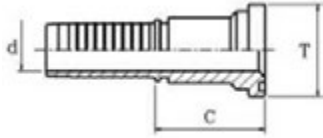
C624



part no. code	[in]	hose ID		[in]	T		[in]	d	cut-off C		drop H	
		[mm]	size		[mm]	size			[in]	[mm]	[in]	[mm]
C624-0808TP	1/2"	12,7	08	1,25	31,7	1/2	0,37	9,5	2,01	51,0	0,87	22,0
C624-1208TP	1/2"	12,7	08	1,63	41,3	3/4	0,37	9,5	2,25	57,0	1,10	28,0
C624-0812TP	3/4"	19,0	12	1,25	31,7	A	0,59	15,0	2,01	51,0	0,87	22,0
C624-1212TP	3/4"	19,0	12	1,63	41,3	3/4	0,59	15,0	2,84	72,0	1,18	30,0
C624-1612TP	3/4"	19,0	12	1,88	47,6	1	0,59	15,0	2,99	76,0	1,34	34,0
C624-1216TP	1"	25,4	16	1,63	41,3	%	0,79	20,0	2,84	72,0	1,18	30,0
C624-1616TP	1"	25,4	16	1,88	47,6	1	0,79	20,0	3,35	85,0	1,42	36,0
C624-2016TP	1"	25,4	16	2,13	54,0	1.1/4	0,79	20,0	3,55	90,0	1,62	41,0
C624-1620TP	1.1/4"	31,8	20	1,88	47,6	1	1,02	26,0	3,35	85,0	1,42	36,0
C624-2020TP	1.1/4"	31,8	20	2,13	54,0	1.1/4	1,02	26,0	4,10	104,0	2,01	51,0
C624-2420TP	1.1/4"	31,8	20	2,50	63,5	1.1/2	1,02	26,0	4,29	109,0	2,21	56,0
C624-2424TP	1.1/2"	38,1	24	2,50	63,5	1.1/2	1,18	30,0	4,65	118,0	2,25	57,0
C624-3224TP	1.1/2"	38,1	24	3,13	79,4	2	1,18	30,0	5,00	127,0	2,60	66,0
C624-3232TP	2"	50,8	32	3,13	79,4	2	1,57	40,0	5,71	145,0	2,80	71,0

JIS STRAIGHT FLANGE

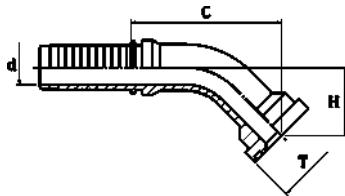
KC611



part no. code	hose ID			T	flange		1		cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]
KC611-1010TP	5/8	16	10	5/8	1,34	34	0,47	12,0	2,09	53

JIS 45° FLANGE

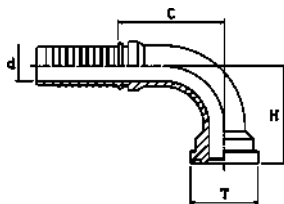
KC614



part no. code	hose ID			T	flange		i		cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
KC614-1010TP	5/8	16	10	5/8	1,34	34	0,47	12,0	2,28	58	0,87	22

JIS 90° FLANGE

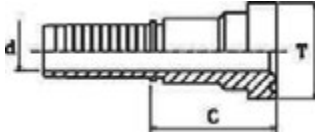
KC619



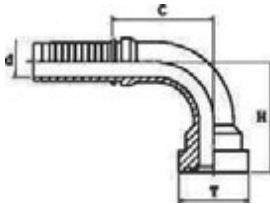
part no. code	Hose ID			T	flange				cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
KC619-1010TP	5/8	16	10	5/8	1,34	34	0,47	12,0	1,61	41	1,77	45

FLANGE SUPERCAT

C621C



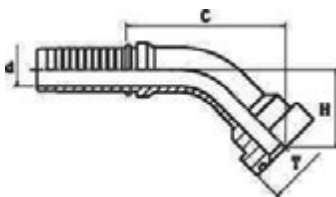
part no. code	hose ID			T			1		Cut-off C	
	[in]	[mm]	size	[in]	[mm]	size	[in]	[mm]	[in]	[mm]
C621C-1212TP	3/4"	19,0	12	1,63	41,3	3/4	0,59	15,0	2,25	57,0
C621C-1612TP	3/4"	19,0	12	1,88	47,6	1	0,59	15,0	2,52	64,0
C621C-1616TP	1"	25,4	16	1,88	47,6	1	0,79	20,0	2,56	65,0
C621C-2016TP	1"	25,4	16	2,13	54,0	1.1/4	0,79	20,0	2,84	72,0
C621C-2020TP	1.1/4"	31,8	20	2,13	54,0	1.1/4	1,02	26,0	2,92	74,0
C621C-2420TP	1.1/4"	31,8	20	2,50	63,5	1.1/2	1,02	26,0	3,07	78,0
C621C-2424TP	1.1/2"	38,1	24	2,50	63,5	1.1/2	1,26	32,0	3,15	80,0



FLANGE SUPERCAT 90° ELBOW

C629C

part no. code	hose ID			T			d		Cut-off C		drop H	
	[in]	[mm]	size	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]
C629C-1212TP	3/4"	19,0	12	1,63	41,3	3/4	0,59	15,0	2,21	56,0	2,40	61,0
C629C-1612TP	3/4"	19,0	12	1,88	47,6	1	0,59	15,0	2,21	56,0	2,56	65,0
C629C-1616TP	1"	25,4	16	1,88	47,6	1	0,79	20,0	2,80	71,0	3,07	78,0
C629C-2016TP	1"	25,4	16	2,13	54,0	1.1/4	0,79	20,0	2,80	71,0	3,31	84,0
C629C-2020TP	1.1/4"	31,8	20	2,13	54,0	1.1/4	1,02	26,0	3,55	90,0	3,39	86,0
C629C-2420TP	1.1/4"	31,8	20	2,50	63,5	1.1/2	1,02	26,0	3,55	90,0	3,62	92,0
C629C-2424TP	1.1/2"	38,1	24	2,50	63,5	1.1/2	1,18	30,0	4,26	108,0	4,10	104,0



FLANGE SUPERCAT 45° ELBOW

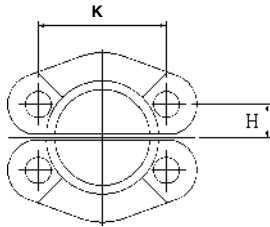
C624C

part no. code	hose ID			T			d		Cut-off C		drop H	
	[in]	[mm]	size	[in]	[mm]	size	[in]	[mm]	[in]	[mm]	[in]	[mm]
C624C-1212TP	3/4"	19,0	12	1,63	41,3	3/4	0,59	15,0	2,96	75,0	1,30	33,0
C624C-1612TP	3/4"	19,0	12	1,88	47,6	1	0,59	15,0	3,11	79,0	1,46	37,0
C624C-1616TP	1"	25,4	16	1,88	47,6	1	0,79	20,0	3,62	92,0	1,62	41,0
C624C-2016TP	1"	25,4	16	2,13	54,0	1.1/4	0,79	20,0	3,62	92,0	1,65	42,0
C624C-2020TP	1.1/4"	31,8	20	2,13	54,0	1.1/4	1,02	26,0	4,41	112,0	1,73	44,0
C624C-2420TP	1.1/4"	31,8	20	2,50	63,5	1.1/2	1,02	26,0	4,49	114,0	1,89	48,0
C624C-2424TP	1.1/2"	38,1	24	2,50	63,5	1.1/2	1,18	30,0	4,93	125,0	1,97	50,0

O-ring for flange must be ordered separately

SPLIT FLANGE CLAMPS 3000 P.S.I

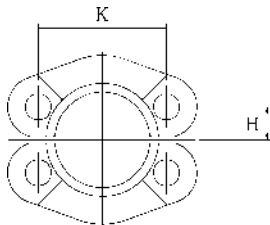
A-C61FC



part no. code	T			f		f	
	[in]	[mm]	size	[in]	[mm]	[in]	[mm]
A-C61FC-08	1,19	30,2	1/2"	1,50	38,10	0,34	8,74
A-C61FC-12	1,50	38,1	3/4"	1,88	47,63	0,44	11,13
A-C61FC-16	1,75	44,5	1"	2,06	52,37	0,52	13,08
A-C61FC-20	2,00	50,8	1.1/4"	2,31	58,72	0,59	15,09
A-C61FC-24	2,38	60,4	1.1/2"	2,75	69,85	0,70	17,86
A-C61FC-32	2,81	71,4	2"	3,06	77,77	0,84	21,44
A-C61FC-40	3,31	84,1	2.1/2"	3,50	88,90	1,00	25,40
A-C61FC-48	4,00	101,6	3"	4,19	106,38	1,22	30,96
A-C61FC-56	4,50	114,3	3.1/2"	4,75	120,65	1,38	34,92
A-C61FC-64	5,00	127,0	4"	5,13	130,18	1,53	38,88

SPLIT FLANGE CLAMPS 6000 P.S.I

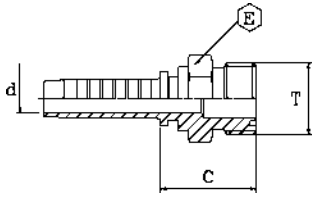
A-C62FC



part no. code	T			f		f	
	[in]	[mm]	size	[in]	[mm]	[in]	[mm]
A-C62FC-08	1,25	31,7	1/2"	1,60	40,49	0,36	9,12
A-C62FC-12	1,63	41,3	3/4"	2,00	50,80	0,47	11,91
A-C62FC-16	1,88	47,6	1"	2,25	57,15	0,55	13,89
A-C62FC-20	2,13	54,0	1.1/4"	2,63	66,68	0,63	15,88
A-C62FC-24	2,50	63,5	1.1/2"	3,13	79,38	0,72	18,26
A-C62FC-32	3,13	79,4	2"	3,81	96,82	0,88	22,23

ORFS MALE

OM1

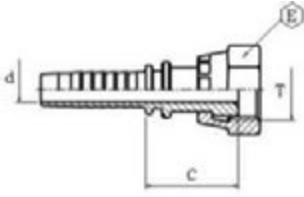


part no. code	hose ID			thread T	d		E		cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]
OM1-0404TP	1/4"	6,4	04	9/16-18	0,16	4,0	0,59	15	0,91	23,0
OM1-0604TP	1/4"	6,4	04	11/16-16	0,22	5,5	0,75	19	1,03	26,0
OM1-0605TP	5/16"	8,0	05	11/16-16	0,22	5,5	0,75	19	1,03	26,0
OM1-0606TP	3/8"	9,5	06	11/16-16	0,28	7,0	0,75	19	1,03	26,0
OM1-0806TP	3/8"	9,5	06	1.3/16-16	0,28	7,0	0,87	22	1,15	29,0
OM1-1006TP	3/8"	9,5	06	1-14	0,28	7,0	1,06	27	1,32	33,0
OM1-0808TP	1/2"	12,7	08	1.3/16-16	0,37	9,5	0,87	22	1,15	29,0
OM1-1008TP	1/2"	12,7	08	1-14	0,37	9,5	1,06	27	1,32	33,0
OM1-1208TP	1/2"	12,7	08	1.3/16-12	0,37	9,5	1,26	32	1,41	36,0
OM1-1010TP	5/8"	16,0	10	1-14	0,47	12,0	1,06	27	1,32	33,0
OM1-1210TP	5/8"	16,0	10	1.3/16-12	0,47	12,0	1,26	32	1,41	36,0
OM1-1212TP	3/4"	19,0	12	1.3/16-12	0,59	15,0	1,26	32	1,41	36,0
OM1-1612TP	3/4"	19,0	12	1.7/16-12	0,59	15,0	1,50	38	1,47	37,0
OM1-1616TP	1"	25,4	16	1.7/16-12	0,79	20,0	1,50	38	1,47	37,0
OM1-2020TP	1.1/4"	31,8	20	1.11/16-12	1,02	26,0	1,81	46	1,73	44,0
OM1-2424TP	1.1/2"	38,1	24	2-12	1,26	32,0	2,36	60	1,62	41,0

O-ring for male must be ordered separately

ORFS FEMALE

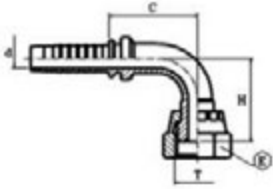
OF1



part no. code	hose ID			thread T	i				Cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]
OF1-0404TP	1/4"	6,4	04	9/16-18	0,16	4,0	0,67	17	0,95	24,0
OF1-0604TP	1/4"	6,4	04	11/16-16	0,16	4,0	0,87	22	0,95	24,0
OF1-0605TP	5/16"	8,0	05	11/16-16	0,22	5,5	0,87	22	0,95	24,0
OF1-0406TP	3/8"	9,5	06	9/16-18	0,28	7,0	0,67	17	0,95	24,0
OF1-0606TP	3/8"	9,5	06	11/16-16	0,28	7,0	0,87	22	0,95	24,0
OF1-0806TP	3/8"	9,5	06	13/16-16	0,28	7,0	0,95	24	1,18	30,0
OF1-0808TP	1/2"	12,7	08	13/16-16	0,37	9,5	0,95	24	1,18	30,0
OF1-1008TP	1/2"	12,7	08	1-14	0,37	9,5	1,18	30	1,30	33,0
OF1-1208TP	1/2"	12,7	08	1.3/16-12	0,37	9,5	1,42	36	1,30	33,0
OF1-1010TP	5/8"	16,0	10	1-14	0,47	12,0	1,18	30	1,30	33,0
OF1-1210TP	5/8"	16,0	10	1.3/16-12	0,47	12,0	1,18	30	1,30	33,0
OF1-1012TP	3/4"	19,0	12	1-14	0,59	15,0	1,18	30	1,30	33,0
OF1-1212TP	3/4"	19,0	12	1.3/16-12	0,59	15,0	1,42	36	1,34	34,0
OF1-1612TP	3/4"	19,0	12	1.7/16-12	0,59	15,0	1,62	41	1,42	36,0
OF1-1616TP	1"	25,4	16	1.7/16-12	0,79	20,0	1,62	41	1,46	37,0
OF1-2020TP	1.1/4"	31,8	20	1.11/16-12	1,02	26,0	1,97	50	1,58	40,0
OF1-2424TP	1.1/2"	38,1	24	2-12	1,26	32,0	2,36	60	1,62	41,0

**ORFS FEMALE 90°
ELBOW**

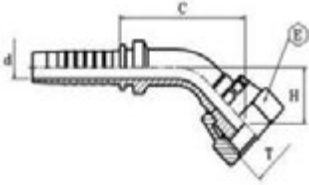
OF9



part no. code	hose ID			thread T	d		E		cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
OF9-0404TP	1/4"	6,4	04	9/16-18	0,16	4,0	0,67	17	1,02	26,0	0,95	24,0
OF9-0604TP	1/4"	6,4	04	11/16-16	0,16	4,0	0,87	22	1,02	26,0	1,02	26,0
OF9-0605TP	5/16"	8,0	05	11/16-16	0,23	5,5	0,87	22	1,02	26,0	1,02	26,0
OF9-0606TP	3/8"	9,5	06	11/16-16	0,28	7,0	0,87	22	1,38	35,0	1,10	28,0
OF9-0806TP	3/8"	9,5	06	13/16-16	0,28	7,0	0,95	24	1,34	34,0	1,22	31,0
OF9-1006TP	3/8"	9,5	06	1-14	0,28	7,0	1,18	30	1,77	45,0	1,65	42,0
OF9-0608TP	1/2"	12,7	08	11/16-16	0,37	9,5	0,87	22	1,38	35,0	1,10	28,0
OF9-0808TP	1/2"	12,7	08	13/16-16	0,37	9,5	0,95	24	1,58	40,0	1,46	37,0
OF9-1008TP	1/2"	12,7	08	1-14	0,37	9,5	1,18	30	1,77	45,0	1,65	42,0
OF9-1208TP	1/2"	12,7	08	1.3/16-12	0,37	9,5	1,42	36	1,65	42,0	1,46	37,0
OF9-1010TP	5/8"	16,0	10	1-14	0,47	12,0	1,18	30	1,77	45,0	1,65	42,0
OF9-1210TP	5/8"	16,0	10	1-14	0,47	12,0	1,42	36	1,65	42,0	1,46	37,0
OF9-1012TP	3/4"	19,0	12	1-14	0,59	15,0	1,18	30	1,77	45,0	1,65	42,0
OF9-1212TP	3/4"	19,0	12	1.3/16-12	0,59	15,0	1,42	36	2,05	52,0	1,89	48,0
OF9-1612TP	3/4"	19,0	12	1.7/16-12	0,59	15,0	1,62	41	2,84	72,0	2,29	58,0
OF9-1616TP	1"	25,4	16	1.7/16-12	0,79	20,0	1,62	41	2,84	72,0	2,29	58,0
OF9-2020TP	1.1/4"	31,8	20	1.11/16-12	1,02	26,0	1,97	50	3,27	83,0	2,92	74,0
OF9-2424TP	1.1/2"	38,1	24	2-12	1,26	32,0	2,36	60	3,94	100,0	3,35	85,0

ORFS FEMALE 45° ELBOW

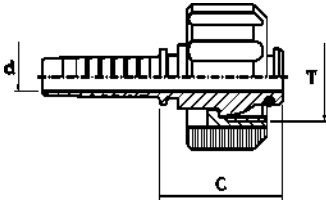
OF4



part no. code	hose ID			thread T	1		c		Cut-off C		drop H	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]
OF4-0404TP	1/4"	6,4	04	9/16-18	0,16	4,0	0,67	17	1,49	38,0	0,47	12,0
OF4-0604TP	1/4"	6,4	04	11/16-16	0,16	4,0	0,87	22	1,57	40,0	0,55	14,0
OF4-0605TP	5/16"	8,0	05	11/16-16	0,23	5,5	0,87	22	1,85	47,0	0,55	14,0
OF4-0606TP	3/8"	9,5	06	11/16-16	0,28	7,0	0,87	22	1,85	47,0	0,55	14,0
OF4-0608TP	3/8"	9,5	06	13/16-16	0,28	7,0	0,95	24	1,85	47,0	0,63	16,0
OF4-1006TP	3/8"	9,5	06	1-14	0,28	7,0	1,18	30	2,36	60,0	0,67	17,0
OF4-0608TP	1/2"	12,7	08	11/16-16	0,37	9,5	0,87	22	1,85	47,0	0,55	14,0
OF4-0808TP	1/2"	12,7	08	13/16-16	0,37	9,5	0,95	24	2,28	58,0	0,67	17,0
OF4-1008TP	1/2"	12,7	08	1-14	0,37	9,5	1,18	30	2,36	60,0	0,67	17,0
OF4-1208TP	1/2"	12,7	08	1.3/16-12	0,37	9,5	1,42	36	1,97	50,0	0,70	18,0
OF4-1010TP	5/8"	16,0	10	1-14	0,47	12,0	1,18	30	2,52	64,0	0,78	20,0
OF4-1210TP	5/8"	16,0	10	1.3/16-12	0,47	12,0	1,42	36	3,11	79,0	0,86	22,0
OF4-1212TP	3/4"	19,0	12	1.3/16-12	0,59	15,0	1,42	36	3,11	79,0	0,86	22,0
OF4-1612TP	3/4"	19,0	12	1.7/16-12	0,59	15,0	1,62	41	4,05	103,0	0,98	25,0
OF4-1616TP	1"	25,4	16	1.7/16-12	0,79	20,0	1,62	41	4,05	103,0	0,98	25,0
OF4-2020TP	1.1/4"	31,8	20	1.11/16-12	1,02	26,0	1,97	50	4,68	119,0	1,26	32,0
OF4-2424TP	1.1/2"	38,1	24	2-12	1,26	32,0	2,76	70	5,59	142,0	1,53	39,0

WASH CLEANER FEMALE

KT1



part no. code	hose ID			thread T	i		Cut-off C	
	[in]	[mm]	size		[in]	[mm]	[in]	[mm]
KT1-2204TP	1/4"	6,4	04	M 22x1,5	0,16	4,0	1,21	30,7
KT1-2205TP	5/16"	7,9	05	M 22x1,5	0,22	5,5	1,21	30,7
KT1-2206TP	3/8"	9,5	06	M 22x1,5	0,28	7,0	1,21	30,7

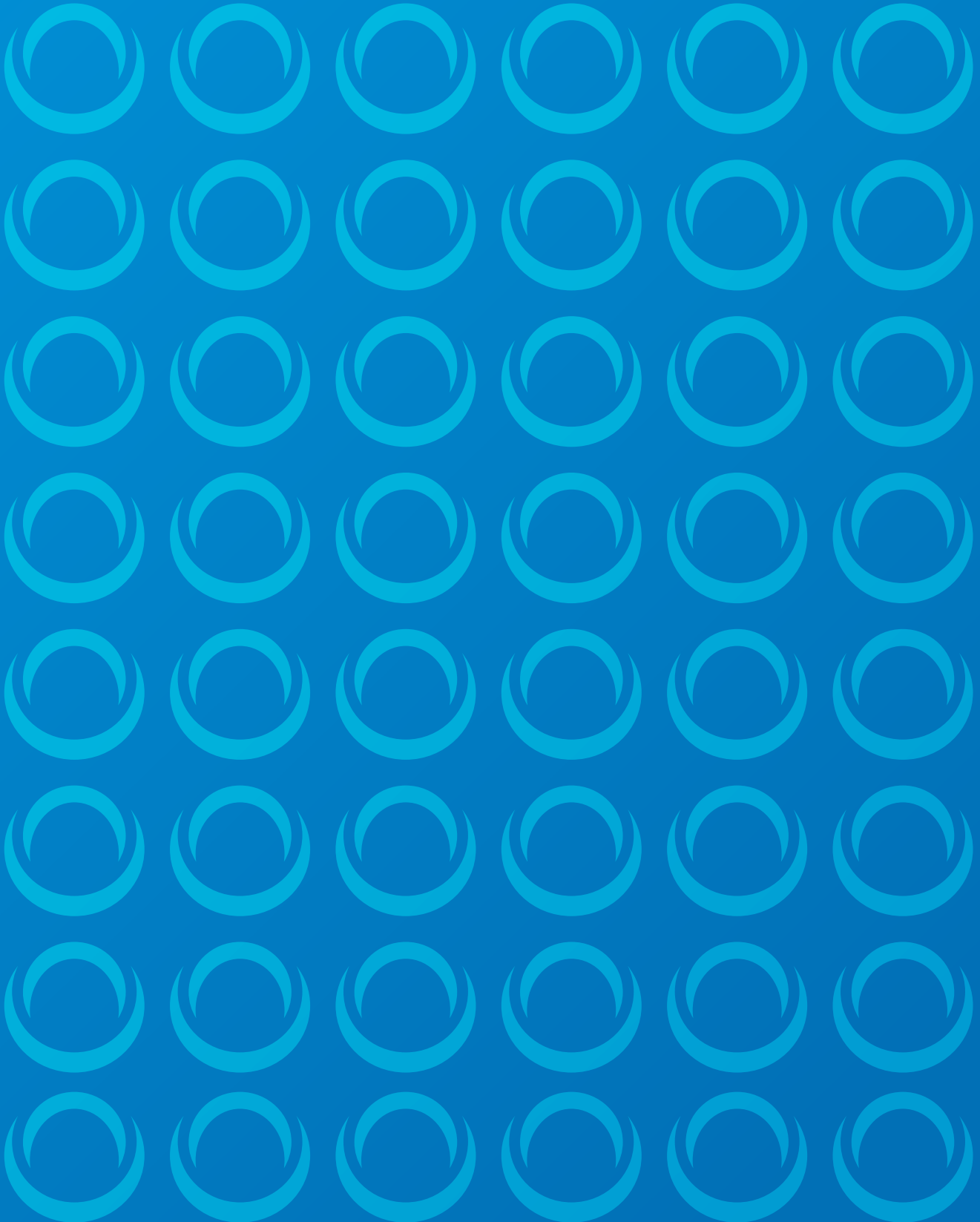


HOSE JUNCTION JOINER

HJ1

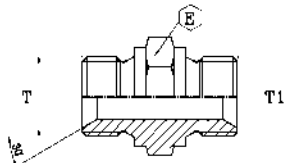
part no. code	hose ID			c		Cut-off C	
	[in]	[mm]	size	[in]	[mm]	[in]	[mm]
HJ1-0303TP	3/16"	4,8	03	0,12	3,0	0,67	17
HJ1-0404TP	1/4"	6,4	04	0,16	4,0	0,67	17
HJ1-0505TP	5/16"	8,0	05	0,22	5,5	0,67	17
HJ1-0606TP	3/8"	9,5	06	0,28	7,0	0,67	17
HJ1-0808TP	1/2"	12,7	08	0,37	9,5	0,71	18
HJ1-1010TP	5/8"	16,0	10	0,47	12,0	0,71	18
HJ1-1212TP	3/4"	19,0	12	0,59	15,0	0,75	19
HJ1-1616TP	1"	25,4	16	0,79	20,0	0,83	21
HJ1-2020TP	1.1/4"	31,8	20	1,02	26,0	0,95	24

Section 3 | **Hydraulic Adaptors**

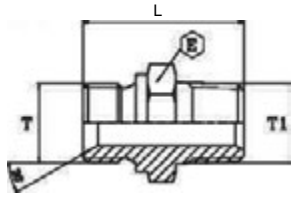


BSP MALE / MALE ADAPTOR

A-BPM



part no. code	thread	thread	L		E		Press. Max	
	T	T1	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPM-02-02	1/8-28	1/8-28	0,99	25,0	0,55	14	6164	425
A-BPM-04-02	1/8-28	1/4-19	1,08	27,5	0,75	19	5076	350
A-BPM-06-02	1/8-28	3/8-19	1,16	29,5	0,87	22	5076	350
A-BPM-08-02	1/8-28	1/2-14	1,36	34,5	1,06	27	5076	350
A-BPM-04-04	1/4-19	1/4-19	1,26	32,0	0,75	19	6164	425
A-BPM-06-04	1/4-19	3/8-19	1,38	35,0	0,87	22	5801	400
A-BPM-08-04	1/2-14	1/4-19	1,36	34,5	1,06	27	5076	350
A-BPM-10-04	1/4-19	5/8-14	1,58	40,0	1,18	30	4351	300
A-BPM-12-04	1/4-19	3/4-14	1,50	38,0	1,26	32	3626	250
A-BPM-16-04	1/4-19	1-11	1,85	47,0	1,62	41	2901	200
A-BPM-20-04	1/4-19	1.1/4-11	2,17	55,0	1,97	50	2901	200
A-BPM-24-04	1/4-19	1.1/2-11	2,21	56,0	2,17	55	2530	175
A-BPM-06-06	3/8-19	3/8-19	1,38	35,0	0,87	22	5801	400
A-BPM-08-06	3/8-19	1/2-14	1,40	35,5	1,06	27	5076	350
A-BPM-10-06	3/8-19	5/8-14	1,58	40,0	1,18	30	4351	300
A-BPM-12-06	3/8-19	3/4-14	1,50	38,0	1,26	32	3626	250
A-BPM-16-06	3/8-19	1-11	1,75	44,5	1,62	41	2901	200
A-BPM-20-06	3/8-19	1.1/4-11	2,17	55,0	1,97	50	2901	200
A-BPM-24-06	3/8-19	1.1/2-11	2,21	56,0	2,17	55	2538	175
A-BPM-08-08	1/2-14	1/2-14	1,58	40,0	1,06	27	5076	350
A-BPM-10-08	1/2-14	5/8-14	1,58	40,0	1,18	30	4351	300
A-BPM-12-08	1/2-14	3/4-14	1,58	40,0	1,26	32	3626	250
A-BPM-16-08	1/2-14	1-11	1,85	47,0	1,62	41	2901	200
A-BPM-20-08	1/2-14	1.1/4-11	2,01	51,0	1,97	50	2901	200
A-BPM-24-08	1/2-14	1.1/2-11	2,21	56,0	2,17	55	2538	175
A-BPM-32-08	1/2-14	2-11	2,58	65,5	2,76	70	2175	150
A-BPM-10-10	5/8-14	5/8-14	1,65	42,0	1,18	30	4351	300
A-BPM-12-10	5/8-14	3/4-14	1,69	43,0	1,26	32	3626	250
A-BPM-12-12	3/4-14	3/4-14	1,79	45,5	1,26	32	3626	250
A-BPM-16-12	3/4-14	1-11	1,93	49,0	1,62	41	2901	200
A-BPM-20-12	3/4-14	1.1/4-11	2,09	53,0	1,97	50	2901	200
A-BPM-24-12	3/4-14	1.1/2-11	2,13	54,0	2,17	55	2538	175
A-BPM-32-12	3/4-14	2-11	2,58	65,5	2,76	70	2175	150
A-BPM-16-16	1-11	1-11	2,07	52,5	1,62	41	3626	250
A-BPM-20-16	1-11	1.1/4-11	2,17	55,0	1,97	50	2901	200
A-BPM-24-16	1-11	1.1/2-11	2,21	56,0	2,17	55	2538	175
A-BPM-32-16	1-11	2-11	2,58	65,5	2,76	70	2175	150
A-BPM-20-20	1.1/4-11	1.1/4-11	2,27	57,5	1,97	50	2901	200
A-BPM-24-20	1.1/4-11	1.1/2-11	2,29	58,0	2,17	55	2538	175
A-BPM-32-20	1.1/4-11	2-11	2,58	65,5	2,76	70	2175	150
A-BPM-24-24	1.1/2-11	1.1/2-11	2,36	60,0	2,17	55	2538	175
A-BPM-32-24	1.1/2-11	2-11	2,66	67,5	2,76	70	2175	150
A-BPM-32-32	2-11	2-11	2,80	71,0	2,76	70	2175	150
A-BPM-40-40	2.1/2-11	2.1/2-11	2,56	65,0	2,95	75	2175	150
A-BPM-48-48	3-11	3-11	2,56	65,0	3,94	100	1450	100

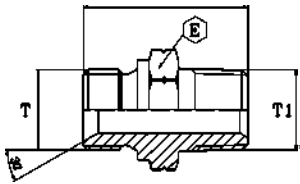


BSP/BSPT MALE MALE ADAPTOR

A-BPMT

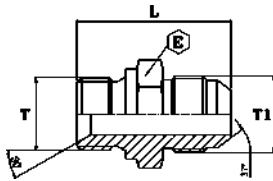
part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMT-02-02	1/8-28	1/8-28	1,04	26,5	0,47	12	6164	425
A-BPMT-02-04	1/8-28	1/4-19	1,26	32,0	0,67	17	6164	425
A-BPMT-02-06	1/8-28	3/8-19	1,40	35,5	0,87	22	5801	400
A-BPMT-02-08	1/8-28	1/2-14	1,67	42,5	0,95	24	4351	300
A-BPMT-04-02	1/4-19	1/8-28	1,26	32,0	0,67	17	6164	425
A-BPMT-04-04	1/4-19	1/4-19	1,26	32,0	0,67	17	6164	425
A-BPMT-04-06	1/4-19	3/8-19	1,40	35,5	0,87	22	5801	400
A-BPMT-04-08	1/4-19	1/2-14	1,67	42,5	0,95	24	4351	300
A-BPMT-04-12	1/4-19	3/4-14	1,81	46,0	1,26	32	3626	250
A-BPMT-06-02	3/8-19	1/8-28	1,40	35,5	0,87	22	5801	400
A-BPMT-06-04	3/8-19	1/4-19	1,40	35,5	0,87	22	5801	400
A-BPMT-06-06	3/8-19	3/8-19	1,40	35,5	0,87	22	5801	400
A-BPMT-06-08	3/8-19	1/2-14	1,67	42,5	0,95	24	4351	300
A-BPMT-06-12	3/8-19	3/4-14	1,81	46,0	1,26	32	3626	250
A-BPMT-06-16	3/8-19	1-11	2,17	55,0	1,42	36	3626	250
A-BPMT-08-02	1/2-14	1/8-28	1,67	42,5	0,95	24	4351	300
A-BPMT-08-04	1/2-14	1/4-19	1,67	42,5	0,95	24	4351	300
A-BPMT-08-06	1/2-14	3/8-19	1,67	42,5	0,95	24	4351	300
A-BPMT-08-08	1/2-14	1/2-14	1,67	42,5	0,95	24	4351	300
A-BPMT-08-12	1/2-14	3/4-14	1,81	46,0	1,26	32	3626	250
A-BPMT-08-16	1/2-14	1-11	2,17	55,0	1,42	36	3626	250
A-BPMT-10-08	5/8-14	1/2-14	1,67	42,5	0,95	24	4351	300
A-BPMT-10-10	5/8-14	5/8-14	1,67	42,5	0,95	24	4351	300
A-BPMT-12-04	3/4-14	1/4-19	1,81	46,0	1,26	32	3626	250
A-BPMT-12-06	3/4-14	3/8-19	1,81	46,0	1,26	32	3626	250
A-BPMT-12-08	3/4-14	1/2-14	1,81	46,0	1,26	32	3626	250
A-BPMT-12-10	3/4-14	5/8-14	1,81	46,0	1,26	32	3626	250
A-BPMT-12-12	3/4-14	3/4-14	1,81	46,0	1,26	32	3626	250
A-BPMT-12-16	3/4-14	1-11	2,17	55,0	1,42	36	3626	250
A-BPMT-12-20	3/4-14	1.1/4-11	2,36	60,0	1,97	50	2901	200
A-BPMT-12-24	3/4-14	1.1/2-11	2,42	61,5	1,97	50	2538	175
A-BPMT-16-04	1-11	1/4-19	2,17	55,0	1,42	36	3626	250
A-BPMT-16-06	1-11	3/8-19	2,17	55,0	1,42	36	3626	250
A-BPMT-16-08	1-11	1/2-14	2,17	55,0	1,42	36	3626	250
A-BPMT-16-12	1-11	3/4-14	2,17	55,0	1,42	36	3626	250
A-BPMT-16-16	1-11	1-11	2,17	55,0	1,42	36	3626	250
A-BPMT-16-20	1-11	1.1/4-11	2,36	60,0	1,97	50	2901	200
A-BPMT-16-24	1-11	1.1/2-11	2,42	61,5	1,97	50	2358	175
A-BPMT-16-32	1-11	2-11	2,68	68,0	2,56	65	2175	150
A-BPMT-20-12	1.1/4-11	3/4-14	1,81	60,0	1,97	50	2901	200
A-BPMT-20-16	1.1/4-11	1-11	2,36	60,0	1,97	50	2901	200
A-BPMT-20-20	1.1/4-11	1.1/4-11	2,36	60,0	1,97	50	2901	200
A-BPMT-20-24	1.1/4-11	1.1/2-11	2,42	61,5	1,97	50	2358	175
A-BPMT-20-32	1.1/4-11	2-11	2,68	68,0	2,56	65	2175	150
A-BPMT-24-16	1.1/2-11	1-11	2,42	61,5	1,97	50	2358	175

BSP/BSPT MALE MALE ADAPTOR



A-BPMT

part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMT-24-20	1.1/2-11	1.1/4-11	2,42	61,5	1,97	50	2538	175
A-BPMT-24-24	1.1/2-11	1.1/2-11	2,42	61,5	1,97	50	2538	175
A-BPMT-24-32	1.1/2-11	2-11	2,68	68,0	2,56	65	2175	150
A-BPMT-32-16	2-11	1-11	2,68	68,0	2,56	65	2175	150
A-BPMT-32-20	2-11	1.1/4-11	2,68	68,0	2,56	65	2175	150
A-BPMT-32-24	2-11	1.1/2-11	2,68	68,0	2,56	65	2175	150
A-BPMT-32-32	2-11	2-11	2,68	68,0	2,56	65	2175	150



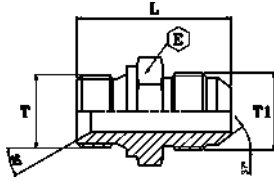
BSP/JIC MALE MALE ADAPTOR

A-BPJM

part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPJM-02-07	1/8-28	7/16-20	1,34	34,0	0,75	19	5075	350
A-BPJM-02-08	1/8-28	1/2-20	1,36	34,5	0,55	14	5075	350
A-BPJM-02-09	1/8-28	9/16-18	1,34	34,0	0,75	19	5075	350
A-BPJM-04-07	1/4-19	7/16-20	1,34	34,0	0,75	19	5075	350
A-BPJM-04-08	1/4-19	1/2-20	1,34	34,0	0,75	19	5075	350
A-BPJM-04-09	1/4-19	9/16-18	1,34	34,0	0,75	19	5075	350
A-BPJM-04-12	1/4-19	3/4-14	1,51	38,2	0,87	22	5075	350
A-BPJM-04-14	1/4-19	7/8-14	1,75	44,3	1,06	27	5075	350
A-BPJM-04-17	1/4-19	1.1/16-12	1,91	48,4	1,10	28	4060	280
A-BPJM-04-21	1/4-19	1.5/16-12	2,09	53,1	1,62	41	4060	280
A-BPJM-06-07	3/8-19	7/16-20	1,51	38,2	0,87	22	5075	350
A-BPJM-06-08	3/8-19	1/2-20	1,34	34,0	0,75	19	5075	350
A-BPJM-06-09	3/8-19	9/16-18	1,34	34,0	0,75	19	5075	350
A-BPJM-06-12	3/8-19	3/4-16	1,51	38,2	0,87	22	5075	350
A-BPJM-06-14	3/8-19	7/8-14	1,75	44,3	1,06	27	5075	350
A-BPJM-06-17	3/8-19	1.1/16-12	1,91	48,4	1,10	28	4060	280
A-BPJM-06-21	3/8-19	1.5/16-12	2,09	53,1	1,62	41	4060	280
A-BPJM-08-07	1/2-14	7/16-20	1,64	41,7	1,06	27	5075	350
A-BPJM-08-08	1/2-14	1/2-20	1,64	41,7	1,06	27	5075	350
A-BPJM-08-09	1/2-14	9/16-18	1,64	41,7	1,06	27	5075	350
A-BPJM-08-12	1/2-14	3/4-16	1,64	41,7	1,06	27	5075	350
A-BPJM-08-14	1/2-14	7/8-14	1,75	44,3	1,06	27	5075	350
A-BPJM-08-17	1/2-14	1.1/16-12	1,91	48,4	1,10	28	4060	280

BSP/JIC MALE MALE ADAPTOR

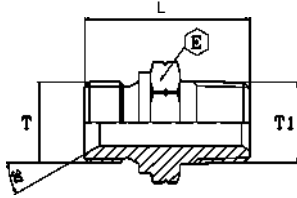
A-BPJM



part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPJM-10-17	5/8-14	1.1/16-12	1,91	48,4	1,10	28	4060	280
A-BPJM-12-07	3/4-14	7/16-20	1,97	50,0	1,26	32	4060	280
A-BPJM-12-12	3/4-14	3/4-16	1,97	50,0	1,26	32	4060	280
A-BPJM-12-14	3/4-14	7/8-14	1,97	50,0	1,26	32	4060	280
A-BPJM-12-17	3/4-14	1.1/16-12	1,97	50,0	1,26	32	4060	280
A-BPJM-12-19	3/4-14	1.3/16-12	1,97	50,0	1,26	32	4060	280
A-BPJM-12-21	3/4-14	1.5/16-12	2,09	53,1	1,62	41	4060	280
A-BPJM-12-26	3/4-14	1.5/8-12	2,30	58,3	1,97	50	3045	210
A-BPJM-16-09	1-11	9/16-18	2,09	53,1	1,62	41	4060	280
A-BPJM-16-12	1-11	3/4-16	2,09	53,1	1,62	41	4060	280
A-BPJM-16-14	1-11	7/8-14	1,97	50,0	1,26	32	4060	280
A-BPJM-16-17	1-11	1.1/16-12	1,91	48,4	1,10	28	4060	280
A-BPJM-16-21	1-11	1.5/16-12	2,09	53,1	1,62	41	4060	280
A-BPJM-16-26	1-11	1.5/8-12	2,30	58,3	1,97	50	3045	210
A-BPJM-16-30	1-11	1.7/8-12	2,74	69,5	1,97	50	3045	210
A-BPJM-20-17	1.1/4-11	1.1/16-12	2,30	58,3	1,97	50	3045	210
A-BPJM-20-21	1.1/4-11	1.5/16-12	2,30	58,3	1,97	50	3045	210
A-BPJM-20-26	1.1/4-11	1.5/8-12	2,30	58,3	1,97	50	3045	210
A-BPJM-20-30	1.1/4-11	1.7/8-12	2,74	69,5	1,97	50	3045	210
A-BPJM-24-17	1.1/2-11	1.1/16-12	2,74	69,5	1,97	50	3045	210
A-BPJM-24-21	1.1/2-11	1.5/16-12	2,74	69,5	1,97	50	3045	210
A-BPJM-24.-26	1.1/2-11	1.5/8-12	2,74	69,5	1,97	50	3045	210
A-BPJM-24-30	1.1/2-11	1.7/8-12	2,74	69,5	1,97	50	3045	210
A-BPJM-32-30	2-11	1.7/8-12	2,99	71,2	2,10	55	2030	140
A-BPJM-32-40	2-11	2.1/2-12	2,99	71,2	2,10	55	2030	140

BSP/JIC MALE MALE ADAPTOR

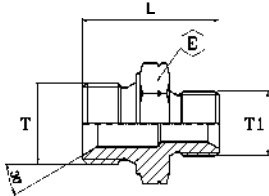
A-BPNM



part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPNM-02-02	1/8-28	1/8-28	1,08	27,5	0,47	12	6164	425
A-BPNM-02-04	1/8-28	1/4-19	1,26	32,0	0,59	15	6164	425
A-BPNM-02-06	1/8-28	3/8-19	1,28	32,5	0,67	17	5801	400
A-BPNM-04-02	1/4-19	1/8-28	1,26	32,0	0,59	15	6164	425
A-BPNM-04-04	1/4-19	1/4-19	1,26	32,0	0,59	15	6164	425
A-BPNM-04-06	1/4-19	3/8-19	1,28	32,5	0,67	17	5801	400
A-BPNM-04-08	1/4-19	1/2-14	1,67	42,5	0,95	24	4351	300
A-BPNM-04-12	1/4-19	3/4-14	1,77	45,0	1,06	27	3626	250
A-BPNM-04-16	1/4-19	1-11	2,17	55,0	1,42	36	2901	200
A-BPNM-06-02	3/8-19	1/8-28	1,28	32,5	0,67	17	5801	400
A-BPNM-06-04	3/8-19	1/4-19	1,28	32,5	0,67	17	5801	400
A-BPNM-06-06	3/8-19	3/8-19	1,28	32,5	0,67	17	5801	400
A-BPNM-06-08	3/8-19	1/2-14	1,67	42,5	0,95	24	4351	300
A-BPNM-06-12	3/8-19	3/4-14	1,77	45,0	1,06	27	3626	250
A-BPNM-06-16	3/8-19	1-11	2,17	55,0	1,42	36	2901	200
A-BPNM-08-02	1/2-14	1/8-28	1,67	42,5	0,95	24	4351	300
A-BPNM-08-04	1/2-14	1/4-19	1,67	42,5	0,95	24	4351	300
A-BPNM-08-06	1/2-14	3/8-19	1,67	42,5	0,95	24	4351	300
A-BPNM-08-08	1/2-14	1/2-14	1,67	42,5	0,95	24	4351	300
A-BPNM-08-12	1/2-14	3/4-14	1,77	45,0	1,06	27	3626	250
A-BPNM-08-16	1/2-14	1-11	2,17	55,0	1,42	36	2901	200
A-BPNM-10-16	5/8-14	3/8-19	1,67	42,5	0,95	24	4351	300
A-BPNM-10-08	5/8-14	1/2-14	1,67	42,5	0,95	24	4351	300
A-BPNM-12-04	3/4-14	1/4-19	1,77	45,0	1,06	27	3626	250
A-BPNM-12-06	3/4-14	3/8-19	1,67	42,5	0,95	24	4351	300
A-BPNM-12-08	3/4-14	1/2-14	1,77	45,0	1,06	27	3626	250
A-BPNM-12-12	3/4-14	3/4-14	1,77	45,0	1,06	27	3626	250
A-BPNM-12-16	3/4-14	1-11	2,17	55,0	1,42	36	2901	200
A-BPNM-12-20	3/4-14	1.1/4-11	2,17	55,0	1,42	36	2901	200
A-BPNM-16-08	1-11	1/2-14	2,17	55,0	1,42	36	2901	200
A-BPNM-16-12	1-11	3/4-14	2,17	55,0	1,42	36	2901	200
A-BPNM-16-16	1-11	1-11	2,17	55,0	1,42	36	2901	200
A-BPNM-16-20	1-11	1.1/4-11	2,17	55,0	1,42	36	2901	200
A-BPNM-16-24	1-11	1.1/2-11	2,38	60,5	1,97	50	2538	175
A-BPNM-20-16	1.1/4-11	1-11	2,17	55,0	1,42	36	2901	200
A-BPNM-20-20	1.1/4-11	1.1/4-11	2,29	58,0	1,77	45	2901	200
A-BPNM-24-24	1.1/2-11	1.1/2-11	2,38	60,5	1,97	50	2538	175
A-BPNM-32-20	2-11	1.1/4-11	2,69	68,2	2,56	65	2175	150
A-BPNM-32-24	2-11	1.1/2-11	2,69	68,2	2,56	65	2175	150
A-BPNM-32-32	2-11	2-11	2,69	68,2	2,56	65	2175	150

**BSP/METRIC MALE/MALE
ADAPTOR**

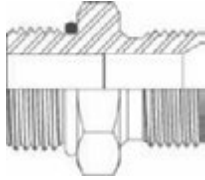
A-BPDM



part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPDM-04-10	1/4-19	M10-1	1,10	28,0	0,75	19	6164	425
A-BPDM-04-12	1/4-19	M12-1,5	1,14	29,0	0,75	19	6164	425
A-BPDM-04-14	1/4-19	M14-1,5	1,18	30,0	0,75	19	6164	425
A-BPDM-04-16	1/4-19	M16-1,5	1,30	33,0	0,87	22	4351	300
A-BPDM-04-18	1/4-19	M18-1,5	1,30	33,0	0,95	24	4351	300
A-BPDM-04-22	1/4-19	M22-1,5	1,44	36,5	1,06	27	3626	250
A-BPDM-06-12	3/8-19	M12-1,5	1,30	33,0	0,87	22	4351	300
A-BPDM-06-14	3/8-19	M14-1,5	1,30	33,0	0,87	22	4351	300
A-BPDM-06-16	3/8-19	M16-1,5	1,38	35,0	0,87	22	4351	300
A-BPDM-06-18	3/8-19	M18-1,5	1,38	35,0	0,95	24	4351	300
A-BPDM-06-20	3/8-19	M20-1,5	1,44	36,5	1,06	27	3626	250
A-BPDM-06-22	3/8-19	M22-1,5	1,44	36,5	1,06	27	3626	250
A-BPDM-06-24	3/8-19	M24-1,5	1,50	38,0	1,06	27	3626	250
A-BPDM-08-12	1/2-14	M12-1,5	1,14	35,0	0,95	24	4351	300
A-BPDM-08-14	1/2-14	M14-1,5	1,40	35,5	1,06	27	3626	250
A-BPDM-08-16	1/2-14	M16-1,5	1,48	37,5	1,06	27	3626	250
A-BPDM-08-18	1/2-14	M18-1,5	1,44	36,5	1,06	27	3626	250
A-BPDM-08-20	1/2-14	M20-1,5	1,44	36,5	1,06	27	3626	250
A-BPDM-08-22	1/2-14	M22-1,5	1,50	38,0	1,06	27	3626	250
A-BPDM-08-24	1/2-14	M24-1,5	1,50	38,0	1,06	27	3626	250
A-BPDM-08-26	1/2-14	M26-1,5	1,50	38,0	1,06	27	3626	250
A-BPDM-10-22	5/8-14	M22-1,5	1,50	38,0	1,06	27	3626	250
A-BPDM-12-18	3/4-14	M18-1,5	1,65	42,0	1,26	32	2901	200
A-BPDM-12-22	3/4-14	M22-1,5	1,65	42,0	1,26	32	2901	200
A-BPDM-12-24	3/4-14	M24-1,5	1,65	42,0	1,26	32	2901	200
A-BPDM-12-26	3/4-14	M26-1,5	1,69	43,0	1,26	32	2901	200
A-BPDM-12-30	3/4-14	M30-1,5	1,69	43,0	1,26	32	2901	200
A-BPDM-16-22	1-11	M22-1,5	1,67	42,5	1,62	41	2901	200
A-BPDM-16-26	1-11	M26-1,5	1,67	42,5	1,62	41	2901	200
A-BPDM-16-30	1-11	M30x2	1,67	42,5	1,62	41	2901	200
A-BPDM-20-30	1.1/4-11	M20x2	1,67	42,5	1,62	41	2901	200

UNF MALE X BSPP MALE

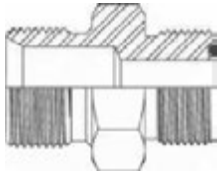
A-UBPM



part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-UBPM-07-04	1/4-19	7/16-20	1,34	34,0	0,75	19	5075	350
A-UBPM-08-04	1/4-19	1/2-20	1,34	34,0	0,75	19	5075	350
A-UBPM-09-04	1/4-19	9/16-18	1,34	39,0	0,75	19	5075	350
A-UBPM-12-04	1/4-19	3/4-14	1,51	38,2	0,87	22	5075	350
A-UBPM-14-04	1/4-19	7/8-14	1,75	44,3	1,06	27	5075	350
A-UBPM-07-06	3/8-19	7/16-20	1,51	38,2	0,87	22	5075	350
A-UBPM-09-06	3/8-19	9/16-18	1,34	44,3	1,06	19	5075	350
A-UBPM-12-06	3/8-19	3/4-16	1,51	38,2	0,87	22	5075	350
A-UBPM-14-06	3/8-19	7/8-14	1,75	44,3	0,75	27	5075	350
A-UBPM-07-08	1/2-14	7/16-20	1,64	41,7	0,87	27	5075	350
A-UBPM-09-08	1/2-14	9/16-18	1,64	41,7	1,06	27	5075	350
A-UBPM-12-08	1/2-14	3/4-16	1,64	41,7	1,06	27	5075	350
A-UBPM-14-08	1/2-14	7/8-14	1,75	44,3	1,06	27	5075	350
A-UBPM-17-08	1/2-14	1.1/16-12	1,91	48,4	1,06	28	4060	280
A-UBPM-12-10	5/8-14	3/4-16	1,64	41,7	1,06	27	5075	350
A-UBPM-14-10	5/8-14	7/8-14	1,64	41,7	1,06	27	5075	350
A-UBPM-17-10	5/8-14	1.1/16-12	1,91	48,4	1,10	28	4060	280
A-UBPM-12-12	3/4-14	3/4-16	1,97	50,0	1,26	32	4060	280
A-UBPM-14-12	3/4-14	7/8-14	1,97	50,0	1,26	32	4060	280
A-UBPM-17-12	3/4-14	1.1/16-12	1,97	50,0	1,26	32	4060	280
A-UBPM-19-12	3/4-14	1.3/16-12	1,97	50,0	1,26	32	4060	280
A-UBPM-21-12	3/4-14	1.5/16-12	2,09	53,1	1,62	41	4060	280
A-UBPM-17-16	1-11	1.1/16-12	1,91	48,4	1,10	28	4060	280
A-UBPM-21-16	1-11	1.5/16-12	2,09	53,1	1,62	41	4060	280
A-UBPM-26-16	1-11	1.5/8-12	2,30	58,3	1,97	50	3045	210
A-UBPM-21-20	1.1/4-11	1.5/16-12	2,30	58,3	1,97	50	3045	210
A-UBPM-26-20	1.1/4-11	1.5/8-12	2,30	58,3	1,97	50	3045	210
A-UBPM-30-20	1.1/4-11	1.7/8-12	2,74	69,5	1,97	50	3045	210
A-UBPM-26-24	1.1/2-11	1.5/8-11	2,74	69,5	1,97	50	3045	210
A-UBPM-30-24	1.1/2-11	1.7/8-12	2,74	69,5	1,97	50	3045	210

ORFS MALE X BSPP MALE

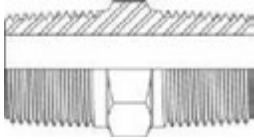
A-OMBPM



part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-OMBPM-04-02	1/8-28	9/16-18	1,21	30,5	0,79	19	4019	840
A-OMBPM-04-04	1/4--19	9/16-18	1,21	30,5	0,79	19	4019	840
A-OMBPM-06-04	1/4—19	11/16-16	1,21	30,5	0,79	19	4019	840
A-OMBPM-08-04	1/4—19	13/16-16	1,30	33	0,86	22	4019	840
A-OMBPM-04-06	3/8-16	9/16-18	1,21	30,5	0,79	19	4019	840
A-OMBPM-06-06	3/8-16	11/16-16	1,30	33	0,86	22	4019	840
A-OMBPM-08-06	3/8-16	13/16-16	1,30	33	0,86	22	4019	840
A-OMBPM-06-08	1/2-14	11/16-16	1,21	30,5	0,79	19	4019	840
A-OMBPM-08-08	1/2-14	13/16-16	1,51	38,5	1,06	27	4019	840
A-OMBPM-10-08	1/2-14	1-14	1,51	38,5	1,06	27	4019	840
A-OMBPM-12-08	1/2-14	1.3/16-16	1,61	41	1,06	27	4019	840
A-OMBPM-08-10	5/8-14	13/16-16	1,61	41	1,06	27	7685	530
A-OMBPM-10-10	5/8-14	1-14	1,51	38,5	1,06	27	4019	840
A-OMBPM-08-12	3/4-14	13/16-12	1,51	38,5	1,06	27	4019	840
A-OMBPM-10-12	3/4-14	1-14	1,81	46	1,26	32	7685	530
A-OMBPM-12-12	3/4-14	1.3/16-12	1,81	46	1,26	32	7685	530
A-OMBPM-16-12	3/4-14	1.7/16-12	1,81	46	1,26	32	7685	530
A-OMBPM-12-16	1-11	1.3/16-12	1,81	46	1,26	32	7685	530
A-OMBPM-16-16	1-11	1.7/16-12	1,97	50	1,61	41	7685	530
A-OMBPM-20-16	1-11	1.11/16-12	1,97	50	1,61	41	7685	530
A-OMBPM-20-20	1.1/4-11	1.11/16-12	2,12	54	1,96	50	4785	330
A-OMBPM-24-24	1.1/2-11	2-12	2,26	57,5	2,16	55	4785	330

BSPT/BSPT MALE X MALE ADAPTOR

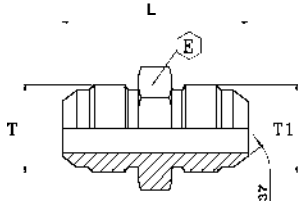
A-BTM



part no. code	thread	thread	L		E		Press. Max	
	T	T1	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BTM-02-02	1/8-28	1/8-28	1,04	26,5	0,47	12	6164	425
A-BTM-02-04	1/8-28	1/4-19	1,26	32,0	0,67	17	6164	425
A-BTM-04-04	1/4-19	1/4-19	1,26	32,0	0,67	17	6164	425
A-BTM-04-06	1/4-19	3/8-19	1,40	35,5	0,87	22	5801	400
A-BTM-06-06	3/8-19	3/8-19	1,40	35,5	0,87	22	5801	400
A-BTM-06-08	3/8-19	1/2-14	1,67	42,5	0,95	24	4351	300
A-BTM-08-08	1/2-14	1/2-14	1,67	42,5	0,95	24	4351	300
A-BTM-08-12	1/2-14	3/4-14	1,81	46,0	1,26	32	3626	250
A-BTM-12-12	3/4-14	3/4-14	1,81	46,0	1,26	32	3626	250
A-BTM-12-16	3/4-14	1-11	2,17	55,0	1,42	36	3626	250
A-BTM-16-16	1-11	1-11	2,17	55,0	1,42	36	3626	250
A-BTM-20-20	1.1/4-11	1.1/4-11	2,36	60,0	1,97	50	2901	200
A-BTM-24-24	1.1/2-11	1.1/2-11	2,42	61,5	1,97	50	2358	175
A-BTM-32-32	2-11	2-11	2,68	68,0	2,56	65	2175	150

JIC MALE/MALE ADAPTOR

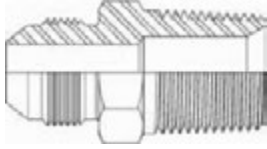
A-JM



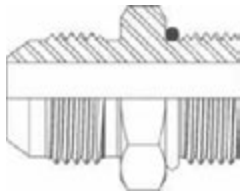
part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JM-07-07	7/16-20	7/16-20	1,36	34,5	0,47	12	5075	350
A-JM-08-07	7/16-20	1/2-20	1,36	34,5	0,55	14	5075	350
A-JM-09-07	7/16-20	9/16-18	1,40	35,5	0,59	15	5075	350
A-JM-12-07	7/16-20	3/4-16	1,62	41,0	0,75	19	5075	350
A-JM-14-07	7/16-20	7/8-14	1,87	47,5	0,95	24	5075	350
A-JM-08-08	1/2-20	1/2-20	1,36	34,5	0,55	14	5075	350
A-JM-09-08	1/2-20	9/16-18	1,40	35,5	0,59	15	5075	350
A-JM-12-08	1/2-20	3/4-16	1,62	41,0	0,75	19	5075	350
A-JM-17-08	1/2-20	1.1/16-12	2,17	55,0	1,06	27	5075	350
A-JM-09-09	9/16-18	9/16-18	1,40	35,5	0,59	15	5075	350
A-JM-12-09	9/16-18	3/4-16	1,62	41,0	0,75	19	5075	350
A-JM-14-09	9/16-18	7/8-14	1,87	47,5	0,95	24	5075	350
A-JM-17-09	9/16-18	1.1/16-12	2,17	55,0	1,06	27	5075	350
A-JM-12-12	3/4-16	3/4-16	1,62	41,0	0,75	19	5075	350
A-JM-14-12	3/4-16	7/8-14	1,87	47,5	0,95	24	5075	350
A-JM-17-12	3/4-16	1.1/16-12	2,17	55,0	1,06	27	5075	350
A-JM-14-14	7/8-14	7/8-14	1,87	47,5	0,95	24	5075	350
A-JM-17-14	7/8-14	1.1/16-12	2,17	55,0	1,06	27	5075	350
A-JM-21-14	7/8-14	1.5/16-12	2,21	56,2	1,34	34	4060	280
A-JM-17-17	1.1/16-12	1.1/16-12	2,17	55,0	1,06	27	5075	350
A-JM-19-17	1.1/16-12	1.3/16-12	2,21	56,2	1,34	34	4060	280
A-JM-21-17	1.1/16-12	1.5/16-12	2,21	56,2	1,34	34	4060	280
A-JM-19-19	1.3/16-12	1.3/16-12	2,21	56,2	1,34	34	4060	280
A-JM-21-21	1.5/16-12	1.5/16-12	2,21	56,2	1,34	34	4060	280
A-JM-26-21	1.5/16-12	1.5/8-12	2,38	60,3	1,65	42	3045	210
A-JM-30-21	1.5/16-12	1.7/8-12	2,74	69,5	1,97	50	2030	140
A-JM-26-26	1.5/8-12	1.5/8-12	2,38	60,3	1,65	42	3045	210
A-JM-30-26	1.5/8-12	1.7/8-12	2,74	69,5	1,97	50	2030	140
A-JM-30-30	1.7/8-12	1.7/8-12	2,74	69,5	1,97	50	2030	140
A-JM-40-40	2.1/2-12	2.1/2-12	2,99	71,2	2,10	55	2030	140

JIC/NPT MALE MALE ADAPTOR

A-NJM



part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-NJM-02-07	1/8-27	7/16-20	1,22	31,0	0,47	12	5075	350
A-NJM-04-07	7/16-20	1/4-18	1,40	35,5	0,59	15	5075	350
A-NJM-06-07	7/16-20	3/8-18	1,42	36,0	0,63	16	5075	350
A-NJM-08-07	7/16-20	1/2-14	1,42	36,0	0,63	16	5075	350
A-NJM-12-07	7/16-20	3/4-14	1,42	36,0	0,79	20	5075	350
A-NJM-02-08	1/2-20	1/8-28	1,42	36,0	0,79	21	5075	350
A-NJM-04-08	1/2-20	1/4-18	1,42	36,0	0,63	16	5075	350
A-NJM-06-08	1/2-20	3/8-18	1,42	36,0	0,63	16	5075	350
A-NJM-02-09	9/16-18	1/8-28	1,42	36,0	0,79	20	5075	350
A-NJM-04-09	9/16-18	1/4-18	1,42	36,0	0,79	20	5075	350
A-NJM-06-09	9/16-18	3/8-18	1,42	36,0	0,79	20	5075	350
A-NJM-08-09	9/16-18	1/2-14	1,54	39,0	0,79	20	5075	350
A-NJM-12-09	9/16-18	3/4-14	1,54	39,0	0,79	20	5075	350
A-NJM-02-12	3/4-16	1/8-28	1,89	48,0	0,95	24	5075	350
A-NJM-04-12	3/4-16	1/4-18	1,89	48,0	0,95	24	5075	350
A-NJM-06-12	3/4-16	3/8-18	1,89	48,0	0,95	24	5075	350
A-NJM-08-12	3/4-16	1/2-14	1,89	48,0	0,95	24	5075	350
A-NJM-12-12	3/4-16	3/4-14	1,89	48,0	0,95	24	5075	350
A-NJM-16-12	3/4-16	1-11	2,07	52,5	1,10	28	5075	350
A-NJM-06-14	7/8-14	3/8-18	2,07	52,5	1,10	28	5075	350
A-NJM-08-14	7/8-14	1/2-14	2,07	52,5	1,10	28	5075	350
A-NJM-12-14	7/8-14	3/4-14	1,89	48,0	0,95	24	5075	350
A-NJM-16-14	7/8-14	1-11	1,89	48,0	0,95	24	5075	350
A-NJM-06-17	1.16/14	3/8-18	1,89	48,0	0,95	24	5075	350
A-NJM-08-17	1.16/14	1/2-14	2,07	52,5	1,10	28	5075	350
A-NJM-12-17	1.16/14	3/4-14	2,07	52,5	1,10	28	5075	350
A-NJM-16-17	1.16/14	1-11	2,07	52,5	1,10	28	5075	350
A-NJM-12-19	1.3/16-14	3/4-14	2,07	52,5	1,10	28	5075	350
A-NJM-08-21	1.5/16-12	1/2-14	2,30	58,5	1,42	36	4060	280
A-NJM-12-21	1.5/16-12	3/4-14	2,30	58,5	1,42	36	4060	280
A-NJM-16-21	1.5/16-12	1-11	2,30	58,5	1,42	36	4060	280
A-NJM-20-21	1.5/16-12	1.1/4-11	2,30	58,5	1,42	36	4060	280
A-NJM-24-21	1.5/16-12	1.1/2-11	2,44	62,0	1,81	46	4060	280
A-NJM-16-21	1.5/16-12	1-11	2,30	58,5	1,42	36	4060	280



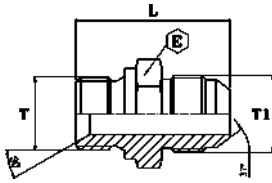
JIC MALE / UNF MALE O RING

A-UJM

part no. code	thread	thread	L		E		Press. Max	
	T	T1	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-UJM-07-07	7/16-20	7/16-20	1,36	34,5	0,47	12	5075	350
A-UJM-08-07	7/16-20	1/2-18	1,36	34,5	0,55	14	5075	350
A-UJM-09-07	7/16-20	9/16-18	1,40	35,5	0,59	15	5075	350
A-UJM-12-07	7/16-20	3/4-16	1,62	41,0	0,75	19	5075	350
A-UJM-14-07	7/16-20	7/8-14	1,87	47,5	0,95	24	5075	350
A-UJM-07-08	1/2-20	7/16-20	1,87	47,5	0,95	24	5075	350
A-UJM-08-08	1/2-20	1/2-18	1,36	34,5	0,55	14	5075	350
A-UJM-09-08	1/2-20	9/16-18	1,40	35,5	0,59	15	5075	350
A-UJM-07-09	9/16-18	7/16-20	1,62	41,0	0,75	19	5075	350
A-UJM-08-09	9/16-18	1/2-18	1,40	35,5	0,59	15	5075	350
A-UJM-09-09	9/16-18	9/16-18	1,40	35,5	0,59	15	5075	350
A-UJM-12-09	9/16-18	3/4-16	1,62	41,0	0,75	19	5075	350
A-UJM-14-09	9/16-18	7/8-14	1,87	47,5	0,95	24	5075	350
A-UJM-17-09	9/16-18	1.1/16-12	2,17	55,0	1,06	27	5075	350
A-UJM-07-12	3/4-16	7/16-20	2,17	55,0	1,06	27	5075	350
A-UJM-09-12	3/4-16	9/16-18	2,17	55,0	1,06	27	5075	350
A-UJM-12-12	3/4-16	3/4-16	1,62	41,0	0,75	19	5075	350
A-UJM-14-12	3/4-16	7/8-14	1,87	47,5	0,95	24	5075	350
A-UJM-17-12	3/4-16	1.1/16-12	2,17	55,0	1,06	27	5075	350
A-UJM-21-12	3/4-16	1.5/16-12	2,17	55,0	1,06	27	5075	350
A-UJM-07-14	7/8-14	7/16-20	2,17	55,0	1,06	27	5075	350
A-UJM-09-14	7/8-14	9/16-18	2,17	55,0	1,06	27	5075	350
A-UJM-12-14	7/8-14	3/4-16	1,87	47,5	0,95	24	5075	350
A-UJM-14-14	7/8-14	7/8-14	1,87	47,5	0,95	24	5075	350
A-UJM-14-14	7/8-14	1.1/16-12	2,17	55,0	1,06	27	5075	350
A-UJM-21-14	7/8-14	1.5/16-12	2,21	56,2	1,34	34	4060	280
A-UJM-12-07	1.1/16-12	3/4-16	2,17	55,0	1,06	27	5075	350
A-UJM-14-17	1.1/16-12	7/8-14	2,17	55,0	1,06	27	5075	350
A-UJM-17-17	1.1/16-12	1.1/16-12	2,17	55,0	1,06	27	5075	350
A-UJM-19-17	1.1/16-12	1.3/16-12	2,21	56,2	1,34	34	4060	280
A-UJM-21-17	1.1/16-12	1.5/16-12	2,21	56,2	1,34	34	4060	280
A-UJM-17-19	1.3/16-12	1.1/16-12	2,21	56,2	1,34	34	4060	280
A-UJM-19-19	1.3/16-12	1.3/16-12	2,21	56,2	1,34	34	4060	280
A-UJM-14-21	1.5/16-12	7/8-14	2,17	55,0	1,06	27	5075	350
A-UJM-17-21	1.5/16-12	1.1/16-12	2,21	56,2	1,34	34	4060	280
A-UJM-21-21	1.5/16-12	1.5/16-12	2,21	56,2	1,34	34	4060	280
A-UJM-26-21	1.5/16-12	1.5/8-12	2,38	60,3	1,65	42	3045	210
A-UJM-30-26	1.5/16-12	1.7/8-12	2,74	69,5	1,97	50	2030	140
A-UJM-21-26	1.5/18-12	1.5/16-12	2,74	69,5	1,97	50	2030	140
A-UJM-26-26	1.5/18-12	1.5/8-12	2,38	60,3	1,65	42	3045	280
A-UJM-30-26	1.5/18-12	1.7/8-12	2,74	69,5	1,97	50	2030	140
A-UJM-26-30	1.7/8-12	1.5/8-12	2,74	69,5	1,97	50	2030	140
A-UJM-30-30	1.7/8-12	1.7/8-12	2,74	69,5	1,97	50	2030	140
A-UJM-40-40	2.1/2-12	2.1/2-12	2,99	71,2	2,10	55	2030	140

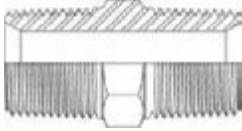
JIC MALE / METRIC MALE ADAPTOR

A-DJM1



part no. code	thread T	thread T1	L		Press. Max			
			[in]	[mm]	[psi]	[bar]		
A-DJM1-10-07	7/16-20	M10x1,5	1,42	36,0	0,63	16	5075	350
A-DJM1-12-07	7/16-20	M12x1,5	1,42	36,0	0,63	16	5075	350
A-DJM1-12-08	1/2-20	M12x1,5	1,42	36,0	0,79	21	5075	350
A-DJM1-12-09	9/16-18	M12x1,5	1,42	36,0	0,79	21	5075	350
A-DJM1-14-09	9/16-18	M14x1,5	1,42	36,0	0,79	21	5075	350
A-DJM1-16-09	9/16-18	M16x1,5	1,42	36,0	0,79	21	5075	350
A-DJM1-18-09	9/16-18	M18x1,5	1,42	36,0	0,79	21	5075	350
A-DJM1-14-12	3/4-16	M14x1,5	1,89	48,0	0,95	21	5075	350
A-DJM1-16-12	3/4-16	M16x1,5	1,89	48,0	0,95	24	5075	350
A-DJM1-18-12	3/4-16	M18x1,5	1,89	48,0	0,95	24	5075	350
A-DJM1-20-12	3/4-16	M20x1,5	1,89	48,0	0,95	24	5075	350
A-DJM1-22-12	3/4-16	M22x1,5	1,89	48,0	0,95	24	5075	350
A-DJM1-22-14	7/8-14	M22x1,5	2,07	52,5	1,10	28	5075	350
A-DJM1-22-17	1.1/16-14	M22x1,5	2,07	52,5	1,10	28	5075	350
A-DJM1-27-17	1.1/16-14	M27x1,5	2,30	58,5	1,42	36	4060	280
A-DJM1-33-21	1.1/16-14	M33x2	2,30	58,5	1,42	36	4060	280

NPT MALE /NPT MALE ADAPTOR

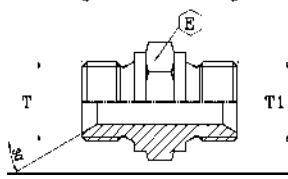


A-NM

<i>part no.</i>	<i>thread</i>	<i>thread</i>					<i>Press. Max</i>	
<i>code</i>	<i>T</i>	<i>T1</i>	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-NM-02-02	1/8-27	1/8-27	1,08	27,5	0,47	12	6164	425
A-NM-04-02	1/8-27	1/4-18	1,26	32,0	0,59	15	6164	425
A-NM-06-02	1/8-27	3/8-18	1,28	32,5	0,67	17	5801	400
A-NM-04-04	1/4-18	1/4-18	1,26	32,0	0,59	15	6164	425
A-NM-06-04	1/4-18	3/8-18	1,28	32,5	0,67	17	6164	425
A-NM-08-04	1/4-18	1/2-14	1,67	42,5	0,95	24	5801	400
A-NM-12-04	1/4-18	3/4-14	1,77	45,0	1,06	27	4351	300
A-NM-06-06	3/8-18	3/8-18	1,28	32,5	0,67	17	3626	250
A-NM-08-06	3/8-18	1/2-14	1,67	42,5	0,95	24	2901	200
A-NM-12-06	3/8-18	3/4-14	1,77	45,0	1,06	27	5801	400
A-NM-08-08	1/2-14	1/2-14	2,17	42,5	0,95	24	5801	400
A-NM-12-08	1/2-14	3/4-14	1,67	45,0	1,06	27	4351	300
A-NM-16-08	1/2-14	1-11.5	2,17	55,0	1,42	36	3626	250
A-NM-12-12	3/4-14	3/4-14	1,67	42,5	0,95	24	2626	250
A-NM-16-12	3/4-14	1-11.5	2,17	55,5	1,42	36	2901	200
A-NM-20-12	3/4-14	1.1/4-11.5	2,29	58,0	1,77	45	4351	300
A-NM-16-16	1-11.5	1-11.5	2,17	55,0	1,42	36	4351	300
A-NM-20-16	1-11.5	1.1/4-11.5	2,29	58,0	1,77	45	4351	300
A-NM-24-16	1-11.5	1.1/2-11.5	2,38	60,5	1,97	50	3626	250
A-NM-20-20	1.1/4-11.5	1.1/4-11.5	2,29	58,0	1,77	45	3626	250
A-NM-32-20	1.1/4-11.5	2-11.5	2,29	58,0	1,77	45	2901	200
A-NM-24-24	1.1/2-11.5	1.1/2-11.5	2,38	60,5	1,97	50	2901	200
A-NM-32-24	1.1/2-11.5	2-11.5	2,38	60,5	1,97	50	2538	175
A-NM-32-32	2-11.5	2-11.5	2,69	68,2	2,56	65	2538	175

METRIC MALE/MALE ADAPTOR

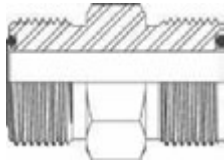
A-DMM



part no. code	thread	thread	L		E		Press. Max	
	T	T1	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-DMM-10-10	M10-1	M10-1	0,99	25,0	0,55	14	6164	425
A-DMM-12-10	M10-1	M10-1	0,99	25,0	0,55	14	6164	425
A-DMM-12-12	M12-1,5	M12-1,5	1,14	29,0	0,67	17	6164	425
A-DMM-14-12	M12-1,5	M14-1,5	1,22	31,0	0,75	19	5801	400
A-DMM-16-12	M12-1,5	M16-1,5	1,38	35,0	0,87	22	5076	350
A-DMM-18-12	M12-1,5	M18-1,5	1,42	36,0	0,95	24	5076	350
A-DMM-14-14	M14-1,5	M14-1,5	1,22	31,0	0,75	19	5801	400
A-DMM-16-14	M14-1,5	M16-1,5	1,38	35,0	0,87	22	5076	350
A-DMM-18-14	M14-1,5	M18-1,5	1,42	36,0	0,95	24	5076	350
A-DMM-20-14	M14-1,5	M20-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-22-14	M14-1,5	M22-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-16-16	M16-1,5	M16-1,5	1,38	35,0	0,87	22	5076	350
A-DMM-18-16	M16-1,5	M18-1,5	1,42	36,0	0,95	24	5076	350
A-DMM-20-16	M16-1,5	M20-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-22-16	M16-1,5	M22-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-26-16	M16-1,5	M26-1,5	1,65	42,0	1,26	32	3626	250
A-DMM-18-18	M18-1,5	M18-1,5	1,42	36,0	0,95	24	5076	350
A-DMM-20-18	M18-1,5	M20-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-22-18	M18-1,5	M22-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-26-18	M18-1,5	M26-1,5	1,65	42,0	1,26	32	3626	250
A-DMM-20-20	M20-1,5	M20-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-22-20	M20-1,5	M22-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-24-20	M20-1,5	M24-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-22-22	M22-1,5	M22-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-24-22	M22-1,5	M24-1,5	1,50	38,0	1,06	27	5076	350
A-DMM-26-22	M22-1,5	M26-1,5	1,65	42,0	1,26	32	3626	250
A-DMM-24-24	M24-1,5	M24-1,5	1,42	36,0	1,18	30	3626	250
A-DMM-26-26	M26-1,5	M26-1,5	1,65	42,0	1,26	32	3626	250
A-DMM-30-30	M30-1,5	M30-1,5	1,62	41,0	1,50	38	2901	200

**ORFS MALE / ORFS MALE
ADAPTOR**

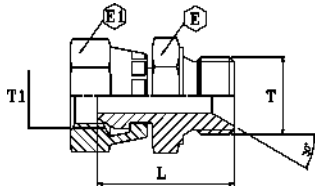
A-OM1



part no. code	thread T	thread T1					PressMax	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-OM1-04-04	9/16-18	9/16-18	1,26	32,0	0,75	19	6164	425
A-OM1-06-04	9/16-18	11/16-16	1,26	32,0	0,75	19	6164	425
A-OM1-06-06	11/16-16	11/16-16	1,38	35,0	0,87	22	6164	425
A-OM1-08-06	11/16-16	13/16-16	1,38	35,0	0,87	22	6164	425
A-OM1-08-08	13/16-16	13/16-16	1,58	40,0	1,06	27	6164	425
A-OM1-10-08	13/16-16	1-14	1,58	40,0	1,06	27	6164	425
A-OM1-10-10	1-14	1-14	1,65	42,0	1,18	30	6164	425
A-OM1-12-10	1-14	1.3/16-12	1,65	42,0	1,18	30	6164	425
A-OM1-12-12	1.3/16-12	1.3/16-12	1,79	45,5	1,26	32	5076	350
A-OM1-16-12	1.3/16-12	1.7/16-12	1,79	45,5	1,26	32	5076	350
A-OM1-16-16	1.7/16-12	1.7/16-12	2,07	52,5	1,62	41	5076	350
A-OM1-20-20	1.11/16-12	1.11/16-12	2,27	57,5	1,97	50	5076	350
A-OM1-24-24	2-12	2-12	2,36	60,0	2,17	55	5076	350

**BSP MALE/SWIVEL FEMALE
60° CONE**

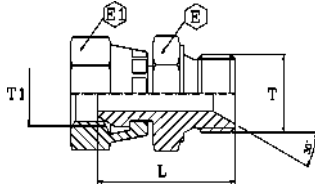
A-BPMF



part no. code	thread T	thread T1	L		E		E1		Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMF-02-02	1/8-28	1/8-28	0,95	24,0	0,55	14	0,55	14	6164	425
A-BPMF-02-04	1/8-28	1/4-19	1,14	29,0	0,75	19	0,75	19	6164	425
A-BPMF-02-06	1/8-28	3/8-19	1,32	33,5	0,87	22	0,87	22	5801	400
A-BPMF-04-02	1/4-19	1/8-28	1,14	29,0	0,75	19	0,75	19	6164	425
A-BPMF-04-04	1/4-19	1/4-19	1,14	29,0	0,75	19	0,75	19	6164	425
A-BPMF-04-06	1/4-19	3/8-19	1,32	33,5	0,87	22	0,87	22	5801	400
A-BPMF-04-08	1/4-19	1/2-14	1,54	39,0	1,06	27	1,06	27	5076	350
A-BPMF-04-12	1/4-19	3/4-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-06-12	3/8-19	1/8-28	1,32	33,5	0,87	22	0,87	22	5801	400
A-BPMF-06-04	3/8-19	1/4-19	1,32	33,5	0,87	22	0,87	22	5801	400
A-BPMF-06-06	3/8-19	3/8-19	1,32	33,5	0,87	22	0,87	22	5801	400
A-BPMF-06-08	3/8-19	1/2-14	1,54	39,0	1,06	27	1,06	27	5076	350
A-BPMF-06-10	3/8-19	5/8-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-06-12	3/8-19	3/4-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-06-16	3/8-19	1-11	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-08-04	1/2-14	1/4-19	1,54	39,0	1,06	27	1,06	27	5076	350
A-BPMF-08-06	1/2-14	3/8-19	1,54	39,0	1,06	27	1,06	27	5076	350
A-BPMF-08-08	1/2-14	1/2-14	1,54	39,0	1,06	27	1,06	27	5076	350
A-BPMF-08-10	1/2-14	5/8-14	1,54	39,0	1,06	27	1,06	27	5076	350
A-BPMF-08-12	1/2-14	3/4-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-08-16	1/2-14	1-11	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-10-04	5/8-14	1/4-19	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-10-06	5/8-14	3/8-19	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-10-08	5/8-14	1/2-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-10-10	5/8-14	5/8-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-10-12	5/8-14	3/4-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-12-04	3/4-14	1/4-19	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-12-06	3/4-14	3/8-19	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-12-08	3/4-14	1/2-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-12-10	3/4-14	5/8-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-12-12	3/4-14	3/4-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-12-16	3/4-14	1-11	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-12-20	3/4-14	1.1/4-11	2,13	54,0	1,97	50	1,97	50	2901	200
A-BPMF-12-24	3/4-14	1.1/2-11	2,32	59,0	2,17	55	798	55	2538	175
A-BPMF-16-06	1-11	3/8-19	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-16-08	1-11	1/2-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-16-10	1-11	5/8-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-16-12	1-11	3/4-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-BPMF-16-16	1-11	1-11	1,79	45,5	1,62	41	1,50	38	3626	250
A-BPMF-16-20	1-11	1.1/4-11	2,13	54,0	1,97	50	1,97	50	2901	200
A-BPMF-16-24	1-11	1.1/2-11	2,32	59,0	2,17	55	798	55	2538	175
A-BPMF-16-32	1-11	2-11	2,36	60,0	2,76	70	1015	70	2175	150

**BSP MALE/SWIVEL FEMALE
60° CONE**

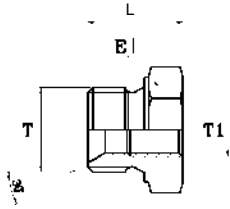
A-BPMF



part no. code	thread T	thread T1	L		E		E1		Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMF-20-08	1.1/4-11	1/2-14	2,13	54,0	1,97	50	1,97	50	2901	200
A-BPMF-20-12	1.1/4-11	3/4-14	1,79	45,5	1,62	41	1,50	38	3626	250
A-BPMF-20-16	1.1/4-11	1-11	1,79	45,5	1,62	41	1,50	38	3626	250
A-BPMF-20-20	1.1/4-11	1.1/4-11	2,13	54,0	1,97	50	1,97	50	2901	200
A-BPMF-20-24	1.1/4-11	1.1/2-11	2,32	59,0	2,17	55	2,58	55	2538	175
A-BPMF-20-32	1.1/4-11	2-11	2,36	60,0	2,76	70	2,69	70	2175	150
A-BPMF-24-16	1.1/2-11	1.1/2-11	2,32	59,0	2,17	55	2,58	55	2538	175
A-BPMF-24-20	1.1/2-11	1.1/2-11	2,32	59,0	2,17	55	2,58	55	2538	175
A-BPMF-24-24	1.1/2-11	1.1/2-11	2,32	59,0	2,17	55	2,58	55	2538	175
A-BPMF-24-32	1.1/2-11	2-11	2,36	60,0	2,76	70	2,69	70	2175	150
A-BPMF-32-20	2-11	1.1/4-11	2,36	60,0	2,76	70	2,69	70	2175	150
A-BPMF-32-24	2-11	1.1/2-11	2,36	60,0	2,76	70	2,69	70	2175	150
A-BPMF-32-32	2-11	2-11	2,36	60,0	2,76	70	2,69	70	2175	150

BSP M/F REDUCING BUSH

A-BPMFR (FIXED)



part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMFR-02-02	1/8-28	1/8-28	0,71	18,0	0,75	19	1450	100
A-BPMFR-02-04	1/8-28	1/4-19	0,71	18,0	0,75	19	1450	100
A-BPMFR-02-06	1/8-28	3/8-19	0,93	23,5	1,06	27	1450	100
A-BPMFR-02-08	1/8-28	1/2-14	1,06	27,0	1,26	32	1450	100
A-BPMFR-04-02	1/4-19	1/8-28	0,71	18,0	0,75	19	1450	100
A-BPMFR-04-04	1/4-19	1/4-19	0,83	21,0	0,87	22	1450	100
A-BPMFR-04-06	1/4-19	3/8-19	0,93	23,5	1,06	27	1450	100
A-BPMFR-04-08	1/4-19	1/2-14	0,93	23,5	1,06	27	1450	100
A-BPMFR-04-12	1/4-19	3/4-14	1,18	30,0	1,62	41	2175	150
A-BPMFR-06-02	3/8-19	1/8-28	0,83	21,0	0,87	22	2538	175
A-BPMFR-06-06	3/8-19	3/8-19	0,93	23,5	1,06	27	1450	100
A-BPMFR-06-08	3/8-19	1/2-14	1,06	27,0	1,26	32	1450	100
A-BPMFR-06-12	3/8-19	3/4-14	1,18	30,0	1,62	41	2175	150
A-BPMFR-08-04	1/2-14	1/4-19	0,93	23,5	1,06	27	2538	175
A-BPMFR-08-08	1/2-14	1/2-14	0,93	23,5	1,06	27	1450	100
A-BPMFR-08-12	1/2-14	3/4-14	1,18	30,0	1,62	41	2175	150
A-BPMFR-08-16	1/2-14	1-11	1,32	33,5	1,97	50	1813	125
A-BPMFR-10-08	5/8-14	1/2-14	1,06	27,0	1,26	32	2538	175
A-BPMFR-12-06	3/4-14	3/8-19	1,06	27,0	1,26	32	2538	175
A-BPMFR-12-12	3/4-14	3/4-14	1,06	27,0	1,26	32	1450	100
A-BPMFR-12-16	3/4-14	1-11	1,18	30,0	1,62	41	2175	150
A-BPMFR-12-20	3/4-14	1.1/4-11	1,32	33,5	1,97	50	1813	125
A-BPMFR-16-06	1-11	3/8-19	1,18	30,0	1,62	41	2175	150
A-BPMFR-16-08	1-11	1/2-14	1,18	30,0	1,62	41	2175	150
A-BPMFR-16-12	1-11	3/4-14	1,18	30,0	1,62	41	2175	150
A-BPMFR-16-16	1-11	1-11	1,18	30,0	1,62	41	2175	150
A-BPMFR-16-20	1-11	1.1/4-11	1,40	35,5	2,17	55	1813	125
A-BPMFR-16-24	1-11	1.1/2-11	1,40	35,5	2,17	55	1813	125
A-BPMFR-20-20	1.1/4-11	1.1/4-11	1,40	35,5	2,17	55	1813	125
A-BPMFR-20-24	1.1/4-11	1.1/2-11	1,40	35,5	2,17	55	1813	125
A-BPMFR-20-08	1.1/4-11	1/2-14	1,32	33,5	1,97	50	1813	125
A-BPMFR-20-12	1.1/4-11	3/4-14	1,32	33,5	1,97	50	1813	125
A-BPMFR-20-16	1.1/4-11	1-11	1,32	33,5	1,97	50	1813	125
A-BPMFR-24-12	1.1/2-11	3/4-14	1,40	35,5	2,17	55	1813	125
A-BPMFR-24-16	1.1/2-11	1-11	1,40	35,5	2,17	55	1813	125
A-BPMFR-24-20	1.1/2-11	1.1/4-11	1,40	35,5	2,17	55	1813	125
A-BPMFR-24-24	1.1/2-11	1.1/2-11	1,67	42,5	2,76	70	1450	100
A-BPMFR-32-20	2-11	1.1/4-11	1,67	42,5	2,76	70	1450	100
A-BPMFR-32-24	2-11	1.1/2-11	1,67	42,5	2,76	70	1450	100
A-BPMFR-32-32	2-11	2-11	1,67	42,5	2,76	70	1450	100

**BSPP MALE 60 CONE/JIC
FEMALE SWIVEL ADAPTOR**

A-BPMJF



part no.	thread	thread					Press. Max	
code	T	T1	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMJF-02-07	1/8-28	7/16-20	1,14	29,0	0,75	19	6164	425
A-BPMJF-04-07	1/4-19	7/16-20	1,14	29,0	0,75	19	6164	425
A-BPMJF-04-08	1/4-19	1/2-20	1,32	33,5	0,87	22	5801	400
A-BPMJF-04-09	1/4-19	9/16-18	1,32	33,5	0,87	22	5801	400
A-BPMJF-04-12	1/4-19	3/4-16	1,54	39,0	1,06	27	5076	350
A-BPMJF-04-14	1/4-19	7/8-14	1,54	39,0	1,06	27	5076	350
A-BPMJF-06-07	3/8-19	7/16-20	1,32	33,5	0,87	22	5801	400
A-BPMJF-06-08	3/8-19	1/2-20	1,32	33,5	0,87	22	5801	400
A-BPMJF-06-09	3/8-19	9/16-18	1,32	33,5	0,87	22	5801	400
A-BPMJF-06-12	3/8-19	3/4-16	1,54	39,0	1,06	22	5076	250
A-BPMJF-06-14	3/8-19	7/8-14	1,54	39,0	1,06	22	3626	250
A-BPMJF-06-17	3/8-19	1.1/16-12	1,73	44,0	1,26	32	3626	250
A-BPMJF-08-07	1/2-14	7/16-20	1,54	39,0	1,06	27	5076	350
A-BPMJF-08-08	1/2-14	1/2-20	1,54	39,0	1,06	27	5076	350
A-BPMJF-08-09	1/2-14	9/16-18	1,54	39,0	1,06	27	5076	350
A-BPMJF-08-12	1/2-14	3/4-16	1,54	39,0	1,06	27	5076	350
A-BPMJF-08-14	1/2-14	7/8-14	1,54	39,0	1,06	27	5076	350
A-BPMJF-08-17	1/2-14	1.1/16-12	1,73	44,0	1,26	32	3626	250
A-BPMJF-10-14	5/8-14	7/8-14	1,73	44,0	1,26	32	3626	250
A-BPMJF-12-12	3/4-14	3/4-16	1,73	44,0	1,26	32	3626	250
A-BPMJF-12-14	3/4-14	7/8-14	1,73	44,0	1,26	32	3626	250
A-BPMJF-12-17	3/4-14	1.1/16-12	1,73	44,0	1,26	32	3626	250
A-BPMJF-12-19	3/4-14	1.3/16-12	1,79	45,5	1,50	38	3626	250
A-BPMJF-12-21	3/4-14	1.5/16-12	1,79	45,5	1,50	38	3626	250
A-BPMJF-16-17	1-11	1.1/16-12	1,79	45,5	1,50	38	3626	250
A-BPMJF-16-21	1-11	1.5/16-12	1,79	45,5	1,62	41	3626	250
A-BPMJF-16-26	1-11	1.5/8-12	2,13	54,0	1,97	50	2901	200
A-BPMJF-20-21	1.1/4-11	1.5/16-12	1,79	45,5	1,62	41	3626	250
A-BPMJF-20-26	1.1/4-11	1.5/8-12	2,13	54,0	1,97	50	2901	200
A-BPMJF-20-30	1.1/4-11	1.7/8-12	2,32	59,0	2,17	55	2538	175
A-BPMJF-24-26	1.1/2-11	1.5/8-12	2,32	59,0	2,17	55	2538	175
A-BPMJF-24-30	1.1/2-11	1.7/8-12	2,32	59,0	2,17	55	2538	175
A-BPMJF-32-40	2-11	2.1/2-12	2,36	60,0	2,76	70	2175	150



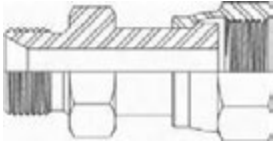
**BSP MALE/METRIC FEMALE
ADAPTOR**

A-BPDMF

part no. code	thread T	thread T1					E1		Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPDMF-04-12	1/4-19	M12x1.5	1,14	29,0	0,75	19	0,75	19	6164	425
A-BPDMF-04-14	1/4-19	M14x1.5	1,14	29,0	0,75	19	0,75	19	6164	425
A-BPDMF-04-16	1/4-19	M16x1.5	1,14	29,0	0,75	19	0,87	22	6164	425
A-BPDMF-04-18	1/4-19	M18x1.5	1,14	29,0	0,75	19	0,87	22	6164	425
A-BPDMF-06-12	3/8-19	M12x1.5	1,54	39,0	1,06	22	1,06	22	5076	350
A-BPDMF-06-14	3/8-19	M14x1.5	1,54	39,0	1,06	22	1,26	32	5076	350
A-BPDMF-06-16	3/8-19	M16x1.5	1,54	39,0	1,06	22	1,50	38	5076	350
A-BPDMF-06-18	3/8-19	M18x1.5	1,54	39,0	1,06	22	1,50	38	5076	350
A-BPDMF-06-20	3/8-19	M20x1.5	1,54	39,0	1,06	22	1,50	38	5076	350
A-BPDMF-06-22	3/8-19	M22x1.5	1,54	39,0	1,06	22	1,50	38	5076	350
A-BPDMF-08-14	1/2-14	M14x1.5	1,54	39,0	1,06	27	1,06	27	5076	350
A-BPDMF-08-16	1/2-14	M16x1.5	1,54	39,0	1,06	27	1,06	27	5076	350
A-BPDMF-08-18	1/2-14	M18x1.5	1,54	39,0	1,06	27	1,06	27	5076	350
A-BPDMF-08-20	1/2-14	M20x1.5	1,79	44,0	1,06	27	1,06	27	5076	350
A-BPDMF-08-22	1/2-14	M22x1.5	1,79	45,5	1,62	41	1,50	38	3626	250
A-BPDMF-08-24	1/2-14	M24x1.5	1,79	45,5	1,62	41	1,50	38	3626	250
A-BPDMF-08-26	1/2-14	M26x1.5	1,79	44,0	1,62	41	1,50	38	3626	250
A-BPDMF-12-18	3/4-19	M18x1.5	1,73	44,0	1,22	32	1,26	32	3626	250
A-BPDMF-12-20	3/4-19	M20x1.5	1,73	44,0	1,22	32	1,26	32	3626	250
A-BPDMF-12-22	3/4-19	M22x1.5	1,73	44,0	1,22	32	1,26	32	3626	250

**BSP MALE/ORFS FEMALE
ADAPTOR**

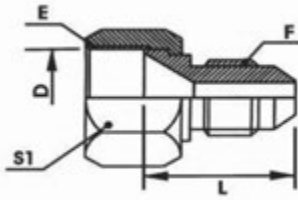
A-BPMOF



part no. code	thread T	thread T1			E		E1		Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMOF-04-04	1/4-19	9/16-18	1,14	29,0	0,75	19	0,75	19	6164	425
A-BPMOF-06-04	3/8-19	9/16-18	1,14	29,0	0,75	19	0,75	19	6164	425
A-BPMOF-04-06	1/4-19	11/16-18	1,14	29,0	0,75	19	0,75	19	6164	425
A-BPMOF-06-06	3/8-19	11/16-18	1,54	39,0	1,06	22	1,06	22	5076	350
A-BPMOF-06-08	3/8-19	13/16-18	1,54	39,0	1,06	22	1,06	22	5076	350
A-BPMOF-08-08	1/2-14	13/16-18	1,54	39,0	1,06	22	1,06	22	5076	350
A-BPMOF-08-10	1/2-14	1-14	1,73	44,0	1,06	27	1,06	27	5076	350
A-BPMOF-12-12	3/4-14	1.3/16-12	1,73	44,0	1,62	41	1,62	41	3626	250
A-BPMOF-12-16	3/4-14	1.7/16-12	1,73	44,0	1,62	41	1,62	41	3626	250
A-BPMOF-16-16	1-11	1.7/16-12	1,79	45,0	1,62	41	1,62	41	3626	250
A-BPMOF-20-20	1.1/4-11	1.11/16-12	1,79	45,0	1,62	41	1,62	41	3626	250

**JIC MALE / JIC SWIVEL
FEMALE ADAPTOR**

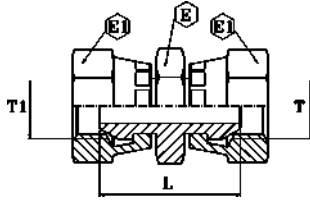
A-JMF1



part no.	thread	thread	L				E1		Press. Max	
code	T	T1	[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JMF1-07-07	7/16-20	7/16-20	1,14	29,0	0,75	19	0,75	19	6164	425
A-JMF1-07-09	7/16-20	9/16-18	1,14	29,0	0,75	19	0,75	19	6164	425
A-JMF1-07-12	7/16-20	3/4-16	1,32	33,5	0,87	22	0,87	22	5801	400
A-JMF1-08-08	1/2-20	1/2-20	1,14	29,0	0,75	19	0,75	19	6164	425
A-JMF1-08-09	1/2-20	9/16-18	1,32	33,5	0,87	22	0,87	22	5801	400
A-JMF1-09-07	9/16-18	7/16-20	1,32	33,5	0,87	22	0,87	22	5801	400
A-JMF1-09-09	9/16-18	9/16-18	1,32	33,5	0,87	22	0,87	22	5801	400
A-JMF1-09-12	9/16-18	3/4-16	1,54	39,0	1,06	22	1,06	22	5076	350
A-JMF1-12-09	3/4-16	9/16-18	1,54	39,0	1,06	22	1,06	22	5076	350
A-JMF1-12-12	3/4-16	3/4-16	1,54	39,0	1,06	22	1,06	22	5076	350
A-JMF1-12-14	3/4-16	7/8-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-JMF1-12-17	3/4-16	1.1/16-12	1,73	44,0	1,26	32	1,26	32	3626	250
A-JMF1-14-12	7/8-14	3/4-16	1,54	44,0	1,06	22	1,06	22	5076	350
A-JMF1-14-14	7/8-14	7/8-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-JMF1-14-17	7/8-14	1.1/16-12	1,73	44,0	1,26	32	1,26	32	3626	250
A-JMF1-17-12	1.1/16-12	3/4-16	1,73	44,0	1,26	32	1,26	32	3626	250
A-JMF1-17-14	1.1/16-12	7/8-14	1,73	44,0	1,26	32	1,26	32	3626	250
A-JMF1-17-17	1.1/16-12	1.1/16-12	1,73	44,0	1,26	32	1,26	32	3626	250
A-JMF1-17-21	1.1/16-12	1.5/16-12	1,79	45,5	1,62	41	1,50	38	3626	250
A-JMF1-19-19	1.3/16-12	1.3/16-12	1,79	45,5	1,62	41	1,50	38	3626	250
A-JMF1-21-17	1.5/16-12	1.1/16-12	1,79	45,5	1,62	41	1,50	38	3626	250
A-JMF1-21-21	1.5/16-12	1.5/16-12	1,79	45,5	1,62	41	1,50	38	3626	250
A-JMF1-26-26	1.5/8-12	1.5/8-12	2,13	54,0	1,97	50	1,97	50	2901	200
A-JMF1-30-30	1.7/8-12	1.7/8-12	2,32	59,0	2,17	55	2,58	55	2538	175

**BSP SWIVEL FEMALE
ADAPTOR**

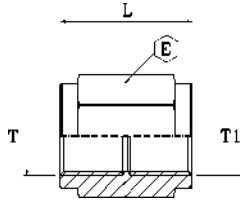
A-BPFF



part no. code	thread T	thread T1	L		E		E1		Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPFF-02-02	1/8-28	1/8-28	0,99	25,0	0,55	14	0,55	14	6164	425
A-BPFF-02-04	1/8-28	1/4-19	1,08	27,5	0,75	19	0,75	19	6164	425
A-BPFF-04-04	1/4-19	1/4-19	1,08	27,5	0,75	19	0,75	19	6164	425
A-BPFF-04-06	1/4-19	3/8-19	1,30	33,0	0,87	22	0,87	22	5801	400
A-BPFF-04-08	1/4-19	1/2-14	1,46	37,0	1,06	27	1,06	27	5076	350
A-BPFF-06-06	3/8-19	3/8-19	1,30	33,0	0,87	22	0,87	22	5801	400
A-BPFF-06-08	3/8-19	1/2-14	1,46	37,0	1,06	27	1,06	27	5076	350
A-BPFF-06-12	3/8-19	3/4-14	1,67	42,5	1,62	41	1,50	38	3626	250
A-BPFF-08-08	1/2-14	1/2-14	1,46	37,0	1,06	27	1,06	27	5076	350
A-BPFF-08-10	1/2-14	5/8-14	1,46	37,0	1,06	27	1,06	27	5076	350
A-BPFF-08-12	1/2-14	3/4-14	1,67	42,5	1,62	41	1,50	38	3626	250
A-BPFF-08-16	1/2-14	1-11	1,67	42,5	1,62	41	1,50	38	3626	250
A-BPFF-10-10	5/8-14	5/8-14	1,67	42,5	1,62	41	1,50	38	3626	250
A-BPFF-10-12	5/8-14	3/4-14	1,67	42,5	1,62	41	1,50	38	3626	250
A-BPFF-10-16	5/8-14	1-11	1,67	42,5	1,62	41	1,50	38	3626	250
A-BPFF-12-12	3/4-14	3/4-14	1,67	42,5	1,62	41	1,50	38	3626	250
A-BPFF-12-16	3/4-14	1-11	1,67	42,5	1,62	41	1,50	38	3626	250
A-BPFF-16-16	1-11	1-11	1,67	42,5	1,62	41	1,50	38	3626	250
A-BPFF-16-20	1-11	1.1/4-11	2,17	55,0	1,97	50	1,97	50,0	2901	200
A-BPFF-20-20	1.1/4-11	1.1/4-11	2,17	55,0	1,97	50	1,97	50,0	2901	200
A-BPFF-24-24	1.1/2-11	1.1/2-11	2,40	61,0	2,17	55	2,17	55,0	2538	175
A-BPFF-32-32	2-11	2-11	2,25	57,0	2,56	65	2,76	70,0	2175	150

**BSP FEMALE FEMALE FIXED
BARREL NUT**

A-BF (FIXED)



part no. code	thread T	thread T1	L		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BF-02-02	1/8-28	1/8-28	1,18	30,0	0,55	14	3626	250
A-BF-04-02	1/8-28	1/4-19	1,38	35,0	0,75	19	4351	300
A-BF-06-02	1/8-28	3/8-19	1,38	35,0	0,75	19	4351	300
A-BF-08-02	1/8-28	1/2-14	1,18	30,0	0,55	14	3626	250
A-BF-04-04	1/4-19	1/4-19	1,38	35,0	0,75	19	4351	300
A-BF-06-04	1/4-19	3/8-19	1,38	35,0	0,75	19	4351	300
A-BF-08-04	1/4-19	1/2-14	1,18	30,0	0,55	14	3626	250
A-BF-06-06	3/8-19	3/8-19	1,58	40,0	0,87	22	4351	300
A-BF-08-06	3/8-19	1/2-14	1,18	30,0	0,55	14	3626	250
A-BF-12-06	3/8-19	3/4-14	1,97	50,0	1,26	32	2901	200
A-BF-16-06	3/8-19	1-11	1,97	50,0	1,26	32	2901	200
A-BF-08-08	1/2-14	1/2-14	1,34	34,0	1,06	27	3626	250
A-BF-10-08	1/2-14	5/8-14	1,97	50,0	1,26	32	2901	200
A-BF-12-08	1/2-14	3/4-14	1,97	50,0	1,26	32	2901	200
A-BF-16-08	1/2-14	1-11	1,97	50,0	1,26	32	2901	200
A-BF-10-10	5/8-14	5/8-14	1,97	50,0	1,26	32	2901	200
A-BF-12-12	3/4-14	3/4-14	1,97	50,0	1,26	32	2901	200
A-BF-16-12	3/4-14	1-11	1,97	50,0	1,26	32	2901	200
A-BF-16-16	1-11	1-11	1,69	43,0	1,62	41	2901	200
A-BF-20-16	1-11	1.1/4-11	1,85	47,0	1,97	50	2175	150
A-BF-24-16	1-11	1.1/2-11	2,76	70,0	2,17	55	2175	150
A-BF-20-20	1.1/4-11	1.1/4-11	1,85	47,0	1,97	50	2175	150
A-BF-24-20	1.1/4-11	1.1/2-11	2,76	70,0	2,17	55	2175	150
A-BF-24-24	1.1/2-11	1.1/2-11	2,76	70,0	2,17	55	2175	150
A-BF-32-24	1.1/2-11	2-11	2,25	57,0	2,76	70	2175	150
A-BF-32-32	2-11	2-11	2,25	57,0	2,76	70	2175	150

BSP SWIVEL FEMALE / JIC SWIVEL FEMALE ADAPTOR

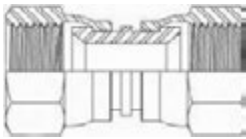
A-BPJF



part no. code	thread T	thread T1					Press Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPJF-04-07	1/4-19	7/16-20	1,34	34,0	0,75	19	5075	350
A-BPJF-04-08	1/4-19	1/2-20	1,34	34,0	0,75	19	5075	350
A-BPJF-04-09	1/4-19	9/16-18	1,34	34,0	0,75	19	5075	350
A-BPJF-06-07	3/8-19	7/16-20	1,34	34,0	0,75	19	5075	350
A-BPJF-06-09	3/8-19	9/16-18	1,51	38,2	0,87	22	5075	350
A-BPJF-08-09	1/2-14	9/16-18	1,51	38,2	0,87	22	5075	350
A-BPJF-08-12	1/2-14	3/4-16	1,64	41,7	1,06	27	5075	350
A-BPJF-12-12	3/4-14	3/4-16	1,97	50,0	1,26	32	4076	280
A-BPJF-12-17	3/4-14	1.1/16-12	1,97	50,0	1,26	32	4076	280
A-BPJF-16-21	1-11	1.5/16-12	1,91	48,4	1,62	41	4076	280
A-BPJF-20-26	1.1/4-11	1.5/8-12	2,30	58,3	1,97	50	3045	210
A-BPJF-24-30	1.1/2-14	1.7/8-12	2,74	69,5	1,97	50	3045	210

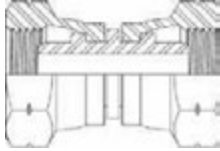
JIC SWIVEL FEMALE / JIC FEMALE ADAPTOR

A-JFF



part no. code	thread T	thread T1					Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JFF-07-07	7/16-20	7/16-20	1,34	34,0	0,75	19	5075	350
A-JFF-08-07	7/16-20	1/2-20	1,34	34,0	0,75	19	5075	350
A-JFF-09-07	7/16-20	9/16-18	1,34	34,0	0,75	19	5075	350
A-JFF-08-08	1/2-20	1/2-20	1,34	34,0	0,75	19	5075	350
A-JFF-09-08	1/2-20	9/16-18	1,34	34,0	0,75	19	5075	350
A-JFF-09-09	9/16-18	9/16-18	1,51	38,2	0,87	22	5075	350
A-JFF-12-09	9/16-18	3/4-16	1,51	38,2	0,87	22	5075	350
A-JFF-14-09	9/16-18	7/8-14	1,75	44,3	1,06	27	5075	350
A-JFF-12-12	3/4-16	3/4-16	1,64	41,7	1,06	27	5075	350
A-JFF-14-12	3/4-16	7/8-14	1,64	41,7	1,06	27	5075	350
A-JFF-17-12	3/4-16	1.1/16-14	1,91	48,4	1,10	28	5075	350
A-JFF-14-14	7/8-14	7/8-14	1,91	48,4	1,10	28	4060	280
A-JFF-17-17	1.1/16-14	1.1/16-14	1,97	50,0	1,26	32	4060	280
A-JFF-21-17	1.1/16-14	1.5/16-14	2,09	53,1	1,62	41	4060	280
A-JFF-19-19	1.3/16-14	1.3/16-14	2,09	53,1	1,62	41	4060	280
A-JFF-21-21	1.5/16-14	1.5/16-14	1,91	48,4	1,62	41	4060	280
A-JFF-26-26	1.5/8-14	1.5/8-14	2,30	58,3	1,97	50	3045	210
A-JFF-30-30	1.7/8-14	1.7/8-14	2,74	69,5	1,97	50	3045	210
A-JFF-40-40	2.1/2-12	2.1/2-12	2,74	69,5	1,97	50	3045	210

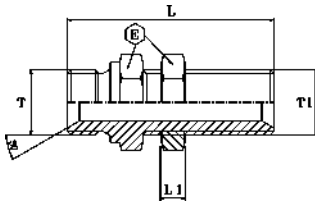
ORFS SWIVEL FEMALE / ORFS SWIVEL FEMALE ADAPTOR



A-OF

part no.	thread	thread					Press. Max	
code	T	T1	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-OF-04-04	9/16-18	9/16-18	1,34	34,0	0,75	19	5075	350
A-OF-06-06	11/16-18	11/16-18	1,51	38,2	0,87	22	5075	350
A-OF-08-08	13/16-18	13/16-18	1,64	41,7	1,06	27	5075	350
A-OF-10-10	1-14	1-14	1,91	48,4	1,10	28	5075	350
A-OF-12-12	1.3/16-12	1.3/16-12	2,09	53,1	1,62	41	4060	280
A-OF-16-16	1.7/16-12	1.7/16-12	1,91	48,4	1,97	50	3045	210

BSP BULKHEAD WITH LOCKNUT



A-BPMBH

part no.	thread	thread	L		L1		E		Press. Max	
code	T	T1	[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMBH-02-02	1/8-26	1/8-26	1,77	45,0	0,28	7,0	0,75	19	6164	425
A-BPMBH-04-04	1/4-19	1/4-19	1,77	45,0	0,28	7,0	0,75	19	6164	425
A-BPMBH-06-06	3/8-19	3/8-19	2,13	54,0	0,32	8,0	0,87	22	5801	400
A-BPMBH-08-08	1/2-14	1/2-14	2,30	58,5	0,35	9,0	1,06	27	4351	300
A-BPMBH-12-12	3/4-14	3/4-14	2,56	65,0	0,39	10,0	1,26	32	3626	250
A-BPMBH-16-16	1-11	1-11	2,92	74,0	0,43	11,0	1,62	41	2901	200
A-BPMBH-20-20	1.1/4-11	1.1/4-11	3,11	79,0	0,51	13,0	1,97	50	2901	200
A-BPMBH-24-24	1.1/2-11	1.1/2-11	3,11	79,0	0,51	13,0	1,97	50	2901	200
A-BPMBH-32-32	2-11	2-11	3,49	82,5	0,51	13,0	2,17	55	2538	175

BSP LOCKNUT



A-BLN

<i>part no.</i>	<i>thread</i>	<i>Press. Max</i>	
<i>code</i>	<i>T</i>	<i>[psi]</i>	<i>[bar]</i>
A-BLN-02	1/8-28	N/A	N/A
A-BLN-04	1/4-19	N/A	N/A
A-BLN-06	3/8-19	N/A	N/A
A-BLN-08	1/2-14	N/A	N/A
A-BLN-10	5/8-14	N/A	N/A
A-BLN-12	3/4-14	N/A	N/A
A-BLN-16	1-11	N/A	N/A
A-BLN-20	1.1/4-11	N/A	N/A
A-BLN-24	1.1/2-11	N/A	N/A
A-BLN-32	2-11	N/A	N/A

JIC BULKHEAD WITH LOCKNUT



A-JBHM

<i>part no.</i>	<i>thread</i>	<i>thread</i>	<i>L</i>		<i>E</i>		<i>Press. Max</i>	
			<i>T1</i>	[in]	[mm]	[in]	[mm]	[psi]
A-JBHM-07	7/16-20	7/16-20	1,77	45,0	0,75	19	5075	350
A-JBHM-08	1/2-20	1/2-20	2,13	54,0	0,87	22	5075	350
A-JBHM-09	9/16-18	9/16-18	2,13	54,0	0,87	22	5075	350
A-JBHM-12	3/4-16	3/16-16	2,30	58,5	1,06	27	5075	350
A-JBHM-14	7/8-14	7/8-14	2,56	65,0	1,26	32	5075	350
A-JBHM-17	1.1/16-12	1.1/16-12	2,56	65,0	1,26	32	5075	350
A-JBHM-19	1.3/16-12	1.3/16-12	2,56	65,0	1,26	32	5075	350
A-JBHM-21	1.5/16-12	1.5/16-12	2,92	74,0	1,62	41	4060	280
A-JBHM-26	1.5/8-12	1.5/8-12	3,11	79,0	1,97	50	3045	210
A-JBHM-30	1.7/8-12	1.7/8-12	3,11	79,0	1,97	50	2030	140
A-JBHM-40	2.1/2-12	2.1/2-12	3,49	82,5	2,17	55	2030	140

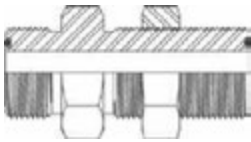
JIC LOCKNUT



A-JLN

part no. code	thread T	PressMax	
		[psi]	[bar]
A-JLN-07	7/16-20	N/A	N/A
A-JLN-08	1/2-20	N/A	N/A
A-JLN-09	9/16-18	N/A	N/A
A-JLN-10	5/8-18	N/A	N/A
A-JLN-12	3/4-16	N/A	N/A
A-JLN-14	7/8-14	N/A	N/A
A-JLN-17	1.1/16-12	N/A	N/A
A-JLN-19	1.3/16-12	N/A	N/A
A-JLN-21	1.5/16-12	N/A	N/A
A-JLN-26	1.5/8-12	N/A	N/A
A-JLN-30	1.7/8-12	N/A	N/A
A-JLN-40	2.1/2-12	N/A	N/A

ORFS MALE BULKHEAD C/W LOCKNUT



A-OMBH

part no. code	thread T	thread T1	L				Press.Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-OMBH-04	9/16-18	9/16-18	1,77	45,0	0,75	19	7685	530
A-OMBH-06	11/16-16	11/16-16	2,13	54,0	0,83	22	7685	530
A-OMBH-08	13/16-16	13/16-16	2,30	58,5	1,06	27	7685	530
A-OMBH-10	1-14	1-14	2,56	65,0	1,26	32	7685	530
A-OMBH-12	1.3/16-12	1.3/16-12	2,92	74,0	1,62	41	4785	330
A-OMBH-16	1.7/16-12	1.7/16-12	3,11	79,0	1,97	50	4785	330
A-OMBH-20	1.11/16-12	1.11/16-12	3,11	79,0	1,97	50	4785	330

ORFS BULKHEAD LOCKNUT

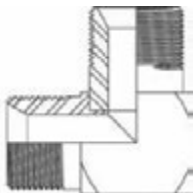
A-OMBHLN



part no. code	thread T	PressMax	
		[psi]	[bar]
A-OMBHLN-04	9/16-18	N/A	N/A
A-OMBHLN-06	11/16-16	N/A	N/A
A-OMBHLN-08	13/16-16	N/A	N/A
A-OMBHLN-10	1-14	N/A	N/A
A-OMBHLN-12	1.3/16-12	N/A	N/A
A-OMBHLN-16	1.7/16-12	N/A	N/A
A-OMBHLN-20	1.11/16-12	N/A	N/A

**BSP MALE / MALE 90 COMPACT 60
CONE ELBOW**

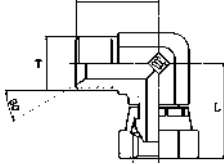
A-BPM9



part no. code	thread T	thread T1	L		f				Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPM9-02-02	1/8-28	1/8-28	1,14	29,0	1,06	27,0	0,75	19	3075	350
A-BPM9-04-04	1/4-19	1/4-19	1,14	29,0	1,06	27,0	0,75	19	3075	350
A-BPM9-06-06	3/8-19	3/8-19	1,34	34,0	1,26	32,0	0,87	22	5075	350
A-BPM9-08-08	1/2-14	1/2-14	1,58	40,0	1,46	37,0	1,06	27	5075	350
A-BPM9-10-10	5/8-14	5/8-14	1,58	40,0	1,46	37,0	1,06	27	5075	350
A-BPM9-12-12	3/4-14	3/4-14	1,81	46,0	1,57	40,0	1,26	38	4495	310
A-BPM9-16-16	1-11	1-11	2,05	52,0	1,97	50,0	1,50	38	3480	240
A-BPM9-20-02	1.1/4-11	1.1/4-11	2,25	57,0	2,05	52,0	1,97	50	2900	200

BSP COMPACT 90 MALE-FEMALE ADAPTOR

A-BPMF9



part no.	thread	thread			E1		Press. Max	
code	T	T1	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMF9-04-04	1/4-19	1/4-19	1,14	29,0	0,75	19	5075	350
A-BPMF9-06-06	3/8-19	3/8-19	1,34	34,0	0,75	19	5075	350
A-BPMF9-08-08	1/2-14	1/2-14	1,58	40,0	0,87	22	5075	350
A-BPMF9-10-10	5/8-14	5/8-14	1,58	40,0	1,06	27	5075	350
A-BPMF9-12-12	3/4-14	3/4-14	1,81	46,0	1,26	32	4495	310
A-BPMF9-16-16	1-11	1-11	2,05	52,0	1,26	32	4495	310
A-BPMF9-20-20	1.1/4-11	1.1/4-11	2,25	57,0	1,50	38	2480	240
A-BPMF9-24-24	1.1/2-11	1.1/2-11	2,52	64,0	1,97	50	2900	200
A-BPMF9-32-32	2-11	2-11	2,52	64,0	2,17	55	2030	140

BSP MALE / SWIVEL FEMALE 45 60 CONE COMPACT ELBOW

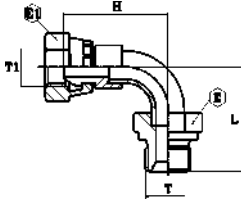
A-BPMF4



part no. code	thread T	thread T1			f				Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMF4-02-02	1/8-28	1/8-28	1,14	29,0	1,06	27,0	0,75	19	5075	350
A-BPMF4-04-04	1/4-19	1/4-19	1,14	29,0	1,06	27,0	0,75	19	5075	350
A-BPMF4-06-06	3/8-19	3/8-19	1,34	34,0	1,26	32,0	0,87	22	5075	350
A-BPMF4-08-08	1/2-14	1/2-14	1,58	40,0	1,46	37,0	1,06	27	5075	350
A-BPMF4-10-10	5/8-14	5/8-14	1,81	46,0	1,58	40,0	1,26	32	4495	310
A-BPMF4-12-12	3/4-14	3/4-14	1,81	46,0	1,58	40,0	1,26	32	4495	310
A-BPMF4-16-16	1-11	1-11	2,05	52,0	1,97	50,0	1,50	38	3480	240
A-BPMF4-20-20	1-1/4-11	1-1/4-11	2,25	57,0	2,05	52,0	1,97	50	2900	200
A-BPMF4-24-24	1-1/2-11	1-1/2-11	2,52	64,0	2,32	59,0	2,17	55	2030	140

BSP SWEPT 90 MALE/FEMALE ADAPTOR

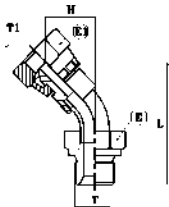
A-BPMF9S



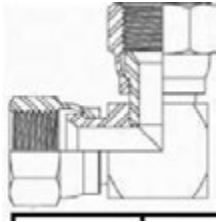
part no. code	thread T	thread T1	f		£1		PressMax					
			[in]	[mm]	[in]	[mm]	[psi]	[bar]				
A-BPMF9S-02-02	1/8-28	1/8-28	1,16	29,5	1,17	29,7	0,55	14	0,55	14	5076	350
A-BPMF9S-04-04	1/4-19	1/4-19	1,26	32,0	1,21	30,8	0,75	19	0,75	19	5076	350
A-BPMF9S-06-06	3/8-19	3/8-19	1,46	37,0	1,52	38,5	0,87	22	0,87	22	4351	300
A-BPMF9S-08-08	1/2-14	1/2-14	1,67	42,5	1,79	45,5	1,06	27	1,06	27	3626	250
A-BPMF9S-12-12	3/4-14	3/4-14	2,29	58,0	2,20	55,8	1,26	32	1,26	32	2901	200
A-BPMF9S-16-16	1-11	1-11	2,76	70,0	2,57	65,2	1,62	41	1,50	38	2901	200
A-BPMF9S-20-20	1.1/4-11	1.1/4-11	3,09	78,5	2,94	74,5	1,97	50	1,97	50	2538	175
A-BPMF9S-24-24	1.1/2-11	1.1/2-11	3,66	93,0	3,51	89,1	2,17	55	2,17	55	2175	150
A-BPMF9S-32-32	2-11	2-11	4,77	121,0	4,45	112,9	2,76	70	2,76	70	2175	150

BSP SWEPT 45 MALE/FEMALE ADAPTOR

A-BPMF4S



part no. code	thread T	thread T1	f		£1		Press. Max					
			[in]	[mm]	[in]	[mm]	[psi]	[bar]				
A-BPMF4S-02-02	1/8-28	1/8-28	1,33	34,0	0,61	15,5	0,55	14	0,55	14	5076	350
A-BPMF4S-04-04	1/4-19	1/4-19	1,74	44,1	0,67	17,1	0,75	19	0,75	19	5076	350
A-BPMF4S-06-06	3/8-19	3/8-19	2,05	52,0	0,83	21,0	0,87	22	0,87	22	5076	350
A-BPMF4S-08-08	1/2-14	1/2-14	2,10	53,3	0,94	23,8	1,06	27	1,06	27	4351	300
A-BPMF4S-12-12	3/4-14	3/4-14	2,62	66,4	1,02	25,9	1,26	32	1,26	32	3626	250
A-BPMF4S-16-16	1-11	1-11	3,38	85,9	1,34	33,9	1,50	38	1,50	38	2901	200

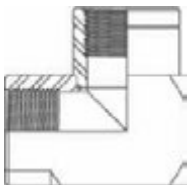


**BSP SWIVEL FEMALE / FEMALE
90COMPACT 60 CONE ELBOW**

A-BPFF9

part no.	thread	thread			H		E		Press. Max	
code	T	T1	[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPFF9-02-02	1/8-28	1/8-28	1,14	29,0	1,06	27,0	0,75	19	5075	350
A-BPFF9-04-04	1/4-19	1/4-19	1,14	29,0	1,06	27,0	0,75	19	5075	350
A-BPFF9-06-06	3/8-19	3/8-19	1,34	34,0	1,26	32,0	0,87	22	5075	350
A-BPFF9-08-08	1/2-14	1/2-14	1,58	40,0	1,46	37,0	1,06	27	5075	350
A-BPFF9-10-10	5/8-14	5/8-14	1,58	40,0	1,58	40,0	1,26	32	4495	310
A-BPFF9-12-12	3/4-14	3/4-14	1,81	46,0	1,58	40,0	1,26	38	4495	310
A-BPFF9-16-16	1-11	1-11	2,05	52,0	1,97	50,0	1,50	38	3480	240
A-BPFF9-20-20	1.1/4-11	1.1/4-11	2,25	57,0	2,05	52,0	1,97	50	2900	200
A-BPFF9-24-24	1.1/2-11	1.1/2-11	2,52	64,0	2,05	52,0	2,17	55	2900	200
A-BPFF9-32-32	2-11	2-11	2,52	64,0	2,05	52,0	2,17	55	2030	140

BSP FIXED FEMALE ELBOW

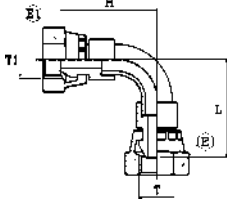


A-BF9

part no.	thread	thread			f		Press. Max	
code	T	T1	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BF9-02-02	1/8-19	1/8-19	1,34	34,0	0,75	19	5075	350
A-BF9-04-04	1/4-19	1/4-19	1,34	34,0	0,75	19	5075	350
A-BF9-06-06	3/8-19	3/8-19	1,51	38,2	0,87	22	5075	350
A-BF9-08-08	1/2-14	1/2-14	1,64	41,7	1,06	27	5075	350
A-BF9-12-12	3/4-14	3/4-14	1,91	48,4	1,10	28	4060	280
A-BF9-16-16	1-11	1-11	1,97	50,0	1,26	32	4060	280
A-BF9-20-20	1.1/4-11	1.1/4-11	2,09	53,1	1,62	41	4060	280
A-BF9-24-24	1.1/2-11	1.1/2-11	1,91	48,4	1,62	41	3045	280
A-BF9-32-32	2-11	2-11	2,30	58,3	1,97	50	3045	210

ADAPTER F/F BSP 60° SWEPT 90° ELBOW

A-BPFF9S

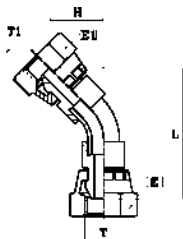


part no. code	thread T	thread T1	L		H		E		E1		Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPFF9S-04-04	1/4-19	1/4-19	1,21	30,8	1,21	30,8	0,75	19	0,75	19	5076	350
A-BPFF9S-06-06	3/8-19	3/8-19	1,52	38,5	1,52	38,5	0,87	22	0,87	22	4351	300
A-BPFF9S-08-08	1/2-14	1/2-14	1,79	45,5	1,79	45,5	1,06	27	1,06	27	3626	250
A-BPFF9S-10-10	5/8-14	5/8-14	1,79	45,5	1,79	45,5	1,26	32	1,26	32	2901	200
A-BPFF9S-12-12	3/4-14	3/4-14	2,20	55,8	2,20	55,8	1,26	32	1,26	32	2901	200
A-BPFF9S-16-16	1-11	1-11	2,57	65,2	2,57	65,2	1,50	38	1,50	38	2901	200
A-BPFF9S-20-20	1.1/4-11	1.1/4-11	2,94	74,5	2,94	74,5	1,97	50	1,97	50	2538	175
A-BPFF9S-24-24	1.1/2-11	1.1/2-11	3,51	89,1	3,51	89,1	2,17	55	2,17	55	2175	150
A-BPFF9S-32-32	2-11	2-11	4,45	112,9	4,45	112,9	2,76	70	2,76	70	2175	150

*WITH THRUST NUT

BSP SWEPT 45 FEMALE/FEMALE ADAPTOR

A-BPFF4S

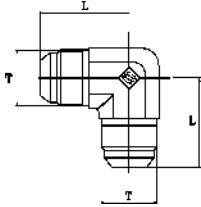


part no. code	thread T	thread T1	L		H		E		E1		Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPFF4S-04-04	1/4-19	1/4-19	1,69	42,9	0,67	17,1	0,75	19	0,75	19	5076	350
A-BPFF4S-06-04	3/8-19	3/8-19	2,11	53,5	0,83	21,0	0,87	22	0,87	22	4351	300
A-BPFF4S-08-08	1/2-14	1/2-14	2,22	56,3	0,94	23,8	1,06	27	1,06	27	3626	250
A-BPFF4S-10-10	5/8-14	5/8-14	1,79	45,5	1,02	25,9	1,06	27	1,26	32	2901	200
A-BPFF4S-12-12	3/4-14	3/4-14	2,53	64,2	1,02	25,9	1,26	32	1,26	32	2901	200
A-BPFF4S-16-16	1-11	1-11	3,20	81,1	1,34	33,9	1,50	38	1,50	38	2901	200
A-BPFF4S-20-20	1.1/4-11	1.1/4-11	3,05	77,3	1,25	31,8	1,97	50	1,97	50	2538	175
A-BPFF4S-24-24	1.1/2-11	1.1/2-11	3,86	98,0	1,57	39,9	2,17	55	2,17	55	2175	150
A-BPFF4S-32-32	2-11	2-11	4,89	124,1	2,06	52,2	2,76	70	2,76	70	2175	150

*WITH THRUST NUT

JIC MALE MALE ELBOW

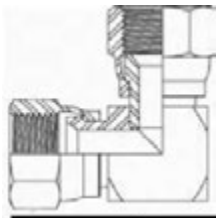
A-JMM9



part no code	thread	thread	L		E		Press. Max	
	T	T1	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JMM9-07-07	7/16-20	7/16-20	0,89	22,5	0,47	12	5075	350
A-JMM9-08-08	1/2-20	1/2-20	0,95	24,0	0,47	12	5075	350
A-JMM9-09-09	9/16-18	9/16-18	1,06	27,0	0,55	14	5075	350
A-JMM9-12-12	3/4-16	3/4-16	1,24	31,5	0,75	19	5075	350
A-JMM9-14-14	7/8-14	7/8-14	1,44	36,5	0,87	22	5075	350
A-JMM9-17-17	1.1/16-12	1.1/16-12	1,65	42,0	1,06	27	5075	350
A-JMM9-19-19	1.3/16-12	1.3/16-12	1,65	42,0	1,06	27	5075	350
A-JMM9-21-21	1.5/16-12	1.5/16-12	1,81	46,0	1,30	33	4060	280
A-JMM9-26-26	1.5/8-12	1.5/8-12	2,05	52,0	1,62	41	3045	210
A-JMM9-30-30	1.7/8-12	1.7/8-12	2,32	59,0	1,89	48	2030	140
A-JMM9-40-40	2.1/2-12	2.1/2-12	2,32	59,0	1,89	48	2030	140

JIC FEMALE FEMALE SWIVEL COMPACT 90 ELBOW

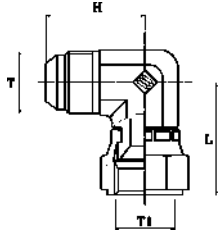
A-JFF9



part no. code	thread	thread	f		f		Press. Max	
	T	T1	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JFF9-07-07	7/16-20	7/16-20	1,34	34,0	0,75	19	5075	350
A-JFF9-08-08	1/2-20	1/2-20	1,34	34,0	0,75	19	5075	350
A-JFF9-09-09	9/16-18	9/16-18	1,51	38,2	0,87	22	5075	350
A-JFF9-12-12	3/4-16	3/4-16	1,64	41,7	1,06	27	5075	350
A-JFF9-14-14	7/8-14	7/8-14	1,91	48,4	1,10	28	4060	280
A-JFF9-17-17	1.1/16-14	1.1/16-14	1,97	50,0	1,26	32	4060	280
A-JFF9-19-19	1.3/16-14	1.3/16-14	2,09	53,1	1,62	41	4060	280
A-JFF9-21-21	1.5/16-14	1.5/16-14	1,91	48,4	1,62	41	4060	280
A-JFF9-26-26	1.5/8-14	1.5/8-14	2,30	58,3	1,97	50	3045	210
A-JFF9-30-30	1.7/8-14	1.7/8-14	2,74	69,5	1,97	50	3045	210
A-JFF9-40-40	2.1/2-14	2.1/2-14	3,91	73,0	2,30	58,3	3045	210

JIC MALE/SWIVEL FEMALE COMPACT 90

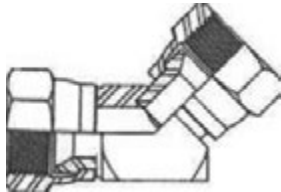
A-JMF9



part no. code	thread T	thread T1	L		H		E		Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JMF9-07-07	7/16-20	7/16-20	1,02	26,0	0,89	22,5	0,59	15	5075	350
A-JMF9-08-08	1/2-20	1/2-20	1,12	28,5	0,95	24,0	0,67	17	5075	350
A-JMF9-09-09	9/16-18	9/16-18	1,18	30,0	1,06	27,0	0,75	19	5075	350
A-JMF9-12-12	3/4-16	3/4-16	1,40	35,5	1,24	31,5	0,95	24	5075	350
A-JMF9-14-14	7/8-14	7/8-14	1,65	42,0	1,44	36,5	1,06	27	5075	350
A-JMF9-17-17	1.1/16-12	1.1/16-12	1,75	44,5	1,65	42,0	1,26	32	5075	350
A-JMF9-19-19	1.3/16-12	1.3/16-12	1,75	44,5	1,65	42,0	1,26	32	5075	350
A-JMF9-21-21	1.5/16-12	1.5/16-12	1,97	50,0	1,81	46,0	1,50	38	4060	280
A-JMF9-26-26	1.5/8-12	1.5/8-12	2,32	59,0	2,07	52,5	1,97	50	3045	210
A-JMF9-30-30	1.7/8-12	1.7/8-12	2,58	65,5	2,32	59,0	2,36	60	2030	140
A-JMF9-40-40	2.1/2-12	2.1/2-12	2,58	65,5	2,32	59,0	2,36	60	2030	140

JIC SWIVEL NUT 45 COMPACT ELBOW

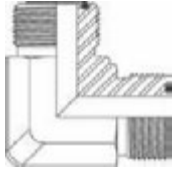
A-JFF4



part no. code	thread T	thread T1	E1		E1		Press. Max	
			[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JFF4-07-07	7/16-20	7/16-20	0,89	22,5	0,47	12	5075	350
A-JFF4-08-08	1/2-20	1/2-20	0,95	24,0	0,47	12	5075	350
A-JFF4-09-09	9/16-18	9/16-18	1,06	27,0	0,55	14	5075	350
A-JFF4-12-12	3/4-16	3/4-16	1,24	31,5	0,75	19	5075	350
A-JFF4-14-14	7/8-14	7/8-14	1,44	36,5	0,87	22	5075	350
A-JFF4-17-17	1.1/16-12	1.1/16-12	1,65	42,0	1,06	27	5075	350
A-JFF4-21-21	1.5/16-12	1.5/16-12	1,81	46,0	1,30	33	4060	280
A-JFF4-26-26	1.5/8-12	1.5/8-12	2,05	52,0	1,62	41	3045	210
A-JFF4-30-30	1.7/8-12	1.7/8-12	2,32	59,0	1,89	48	2030	140
A-JFF4-40-40	2.1/2-12	2.1/2-12	2,32	59,0	1,89	48	2030	140

MALE / MALE ORFS 90 UNION ELBOW

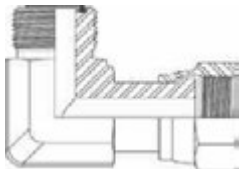
A-OM9



part no. code	thread T	thread T1			f		E1		Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-OM9-04-04	9/16-18	9/16-18	1,14	29,0	1,06	27,0	0,75	19	5075	350
A-OM9-06-06	11/16-18	11/16-18	1,14	29,0	1,06	27,0	0,75	19	5075	350
A-OM9-08-08	13/16-18	13/16-18	1,34	34,0	1,26	32,0	0,87	22	5075	350
A-OM9-10-10	1-14	1-14	1,58	40,0	1,46	37,0	1,06	27	5075	350
A-OM9-12-12	1.3/16-12	1.3/16-12	1,58	40,0	1,58	40,0	1,26	32	4495	310
A-OM9-16-16	1.7/16-12	1.7/16-12	1,81	46,0	1,58	40,0	1,26	38	4495	310
A-OM9-20-20	1.11/16-12	1.11/16-12	2,05	52,0	1,97	50,0	1,50	38	3480	240
A-OM9-24-24	2-12	2-12	2,25	57,0	2,05	52,0	1,97	50	2900	200

ORFS 90 MALE / FEMALE SWIVEL ELBOW

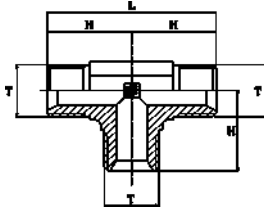
A-OMF9



part no. code	thread T	thread T1			f		E1		Press. Max	
			[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-OMF9-04-04	9/16-18	9/16-18	1,14	29,0	1,06	27,0	0,75	19	5075	350
A-OMF9-06-06	11/16-18	11/16-18	1,14	29,0	1,06	27,0	0,75	19	5075	350
A-OMF9-08-08	13/16-18	13/16-18	1,34	34,0	1,26	32,0	0,87	22	5075	350
A-OMF9-10-10	1-14	1-14	1,58	40,0	1,46	37,0	1,06	27	5075	350
A-OMF9-12-12	1.3/16-12	1.3/16-12	1,58	40,0	1,58	40,0	1,26	32	4495	310
A-OMF9-16-16	1.7/16-12	1.7/16-12	1,81	46,0	1,58	40,0	1,26	38	4495	310
A-OMF9-20-20	1.11/16-12	1.11/16-12	2,05	52,0	1,97	50,0	1,50	38	3480	240
A-OMF9-24-24	2-12	2-12	2,25	57,0	2,05	52,0	1,97	50	2900	200

BSP FIXED MALE TEE

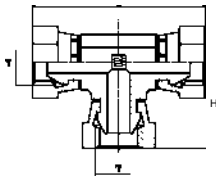
A-BPMMMT



part no. code	thread T	L		H		E		Press. Max	
		[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMMMT-02	1/8-28	2,13	54,0	1,06	27,0	0,55	14	4351	300
A-BPMMMT-04	1/4-19	2,13	54,0	1,06	27,0	0,55	14	4351	300
A-BPMMMT-06	3/8-19	2,29	58,0	1,14	29,0	0,75	19	4351	300
A-BPMMMT-08	1/2-14	2,76	70,0	1,38	35,0	0,87	22	3626	250
A-BPMMMT-10	5/8-14	3,39	86,0	1,69	43,0	1,06	27	2901	200
A-BPMMMT-12	3/4-14	3,39	86,0	1,69	43,0	1,06	27	2901	200
A-BPMMMT-16	1-11	3,94	100,0	1,97	50,0	1,30	33	2611	180
A-BPMMMT-20	1.1/4-11	4,33	110,0	2,17	55,0	1,62	41	2175	150
A-BPMMMT-24	1-1/2-11	4,33	110,0	2,17	55,0	1,62	41	2175	150
A-BPMMMT-32	2-11	4,33	110,0	2,17	55,0	1,62	41	2175	150

BSP SWIVEL FEMALE TEE

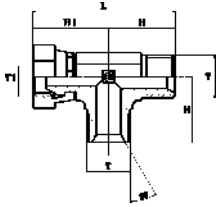
A-BPFT



part no. code	thread T	L		H		E		Press. Max	
		[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPFT-02	1/8-28	2,13	54,0	1,06	27,0	0,55	14	4351	300
A-BPFT-04	1/4-19	2,29	58,0	1,14	29,0	0,55	14	5075	350
A-BPFT-06	3/8-19	2,68	68,0	1,34	34,0	0,75	19	5075	350
A-BPFT-08	1/2-14	3,15	80,0	1,58	40,0	0,87	22	5075	350
A-BPFT-10	5/8-14	3,39	86,0	1,38	35,0	1,06	27	2901	200
A-BPFT-12	3/4-14	3,59	91,0	1,81	46,0	1,06	27	4495	310
A-BPFT-16	1-11	4,10	104,0	2,05	52,0	1,30	33	2900	200
A-BPFT-20	1.1/4-11	4,33	110,0	2,17	55,0	1,62	41	2175	150
A-BPFT-24	1-1/2-11	5,20	132,0	2,31	59,0	1,89	47	2175	150
A-BPFT-32	2-11	5,59	139,0	2,51	62,5	1,99	49	2175	150

BSP MALE, FEMALE, MALE TEE

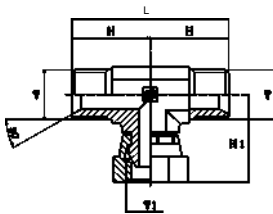
A-BPMFMT



part no.	thread	thread	L		H		H1		E		Press. Max	
code	T	T1	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMFMT-02	1/8-19	1/8-19	2,13	54,0	1,06	27,0	1,14	29,0	0,75	19	5075	350
A-BPMFMT-04	1/4-19	1/4-19	2,29	58,0	1,06	27,0	1,22	31,0	0,75	19	5075	350
A-BPMFMT-06	3/8-19	3/8-19	2,60	66,0	1,26	32,0	1,34	34,0	0,87	22	5075	350
A-BPMFMT-08	1/2-14	1/2-14	3,03	77,0	1,46	37,0	1,58	40,0	1,06	27	5075	350
A-BPMFMT-10	5/8-14	5/8-14	3,39	86,0	1,38	35,0	1,06	27,0	1,26	32	3480	240
A-BPMFMT-12	3/4-14	3/4-14	3,39	86,0	1,58	40,0	1,81	46,0	1,26	32	4495	310
A-BPMFMT-16	1-11	1-11	4,02	102,0	1,97	50,0	2,05	52,0	1,50	38	3480	240
A-BPMFMT-20	1.1/4-11	1.1/4-11	4,29	109,0	2,05	52,0	2,25	57,0	1,97	50	2900	200
A-BPMFMT-24	1.1/2-11	1.1/2-11	4,73	120,0	2,32	59,0	2,40	61,0	2,17	55	2030	140
A-BPMFMT-32	2-11	2-11	4,73	120,0	2,32	59,0	2,40	61,0	2,17	55	2030	140

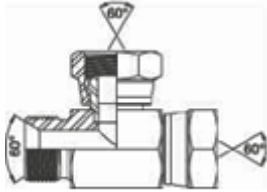
BSP MALE, MALE, FEMALE TEE

A-BPMMFT



part no.	thread	thread	L		H		H1		E		Press. Max	
code	T	T1	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMMFT-02	1/8-19	1/8-19	2,13	54,0	1,06	27,0	1,14	29,0	0,75	19	5075	350
A-BPMMFT-04	1/4-19	1/4-19	2,13	54,0	1,06	27,0	1,14	29,0	0,75	19	5075	350
A-BPMMFT-06	3/8-19	3/8-19	2,48	63,0	1,26	32,0	1,34	34,0	0,87	22	5075	350
A-BPMMFT-08	1/2-14	1/2-14	2,92	74,0	1,46	37,0	1,58	40,0	1,06	27	4495	310
A-BPMMFT-10	5/8-14	5/8-14	3,15	80,0	1,58	40,0	1,81	46,0	1,26	32	3480	240
A-BPMMFT-12	3/4-14	3/4-14	3,15	80,0	1,58	40,0	1,81	46,0	1,26	32	3480	240
A-BPMMFT-16	1-11	1-11	3,94	100,0	1,97	50,0	2,05	52,0	1,50	38	2900	200
A-BPMMFT-20	1.1/4-11	1.1/4-11	4,10	104,0	2,05	52,0	2,25	57,0	1,97	50	2900	200
A-BPMMFT-24	1.1/2-11	1.1/2-11	4,73	120,0	2,36	60,0	2,40	61,0	2,17	55	2030	140
A-BPMMFT-32	2-11	2-11	4,73	120,0	2,36	60,0	2,40	61,0	2,17	55	2030	140

BSP MALE/FEMALE/FEMALE TEE



A-BPMFFT

part no. code	thread T	thread T1	thread T2	f		E		1		Press. Max	
				[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPMFFT-04	1/4-19	1/4-19	1/4-19	2,13	54,0	1,06	27,0	0,55	14	4351	300
A-BPMFFT-06	3/8-19	3/8-19	3/8-19	2,29	58,0	1,14	29,0	0,55	14	5075	350
A-BPMFFT-08	1/2-14	1/2-14	1/2-14	2,68	68,0	1,34	34,0	0,75	19	5075	350
A-BPMFFT-12	3/4-14	3/4-14	3/4-14	3,15	80,0	1,58	40,0	0,87	22	5075	350
A-BPMFFT-16	1-11	1-11	1-11	3,39	86,0	1,38	35,0	1,06	27	2901	200
A-BPMFFT-20	1.1/4-11	1.1/4-11	1.1/4-11	3,59	91,0	1,81	46,0	1,06	27	4995	310

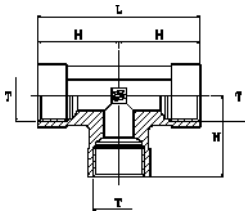
BSP SWIVEL FEMALE / FEMALE MALE BRANCH TEE



A-BPFFMT

part no. code	thread T	thread T1	thread T2	f		E		1		Press. Max	
				[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPFFMT-04	1/4-19	1/4-19	1/4-19	2,13	54,0	1,06	27,0	0,55	14	4351	300
A-BPFFMT-06	3/8-19	3/8-19	3/8-19	2,29	58,0	1,14	29,0	0,55	14	5075	350
A-BPFFMT-08	1/2-14	1/2-14	1/2-14	2,68	68,0	1,34	34,0	0,75	19	5075	350
A-BPFFMT-12	3/4-14	3/4-14	3/4-14	3,15	80,0	1,58	40,0	0,87	22	5075	350
A-BPFFMT-16	1-11	1-11	1-11	3,39	86,0	1,38	35,0	1,06	27	2901	200
A-BPFFMT-20	1.1/4-11	1.1/4-11	1.1/4-11	3,59	91,0	1,81	46,0	1,06	27	4995	310

BSP MALE, MALE, FEMALE TEE

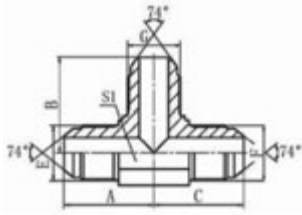


A-BPMMFT

part no. code	thread T	f		E		1		Press. Max	
		[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPFFT-02	1/8-28	1,34	34,0	0,67	17,0	0,55	14	5075	350
A-BPFFT-04	1/4-19	1,73	44,0	0,87	22,0	0,67	17	5075	350
A-BPFFT-06	3/8-19	2,05	52,0	1,02	26,0	0,87	22	3370	260
A-BPFFT-08	1/2-14	2,44	62,0	1,22	31,0	1,06	27	3045	210
A-BPFFT-12	3/4-14	2,76	70,0	1,38	35,0	0,95	24	3045	210
A-BPFFT-16	1-11	3,47	88,0	1,73	44,0	1,62	41	2030	140
A-BPFFT-20	1.1/4-11	3,94	100,0	1,97	50,0	1,89	48	1450	100

JIC MALE TEE

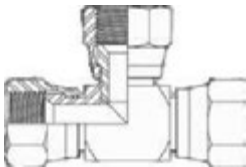
A-JMMMT



part no. code	thread T	L		H		E		Press. Max	
		[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JMMMT-07	7/16-20	1,77	45,0	0,89	22,5	0,47	12	5511	380
A-JMMMT-08	1/2-20	1,89	48,0	0,95	24,0	0,47	12	5511	380
A-JMMMT-09	9/16-18	2,13	54,0	1,06	27,0	0,55	14	5511	380
A-JMMMT-12	3/4-16	2,48	63,0	1,24	31,5	0,75	19	5511	380
A-JMMMT-14	7/8-14	2,88	73,0	1,44	36,5	0,87	22	4931	340
A-JMMMT-17	1.1/16-12	3,31	84,0	1,65	42,0	1,06	27	4061	280
A-JMMMT-19	1.3/16-12	3,31	84,0	1,65	42,0	1,06	27	4061	280
A-JMMMT-21	1.5/16-12	3,62	92,0	1,81	46,0	1,30	33	2756	190
A-JMMMT-26	1.5/8-12	4,10	104,0	2,05	52,0	1,62	41	2756	190
A-JMMMT-30	1.7/8-12	4,65	118,0	2,32	59,0	1,89	48	2611	180
A-JMMMT-40	2.1/2-12	4,65	118,0	2,32	59,0	1,89	48	2611	180

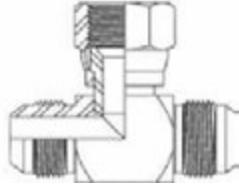
JIC FEMALE SWIVEL TEE

A-JFT



part no. code	thread T	thread T1	thread T2					1		Press. Max	
				[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JFT-07	7/16-20	7/16-20	7/16-20	2,13	54,0	1,06	27,0	0,55	14	4351	300
A-JFT-08	1/2-20	1/2-20	1/2-20	2,29	58,0	1,14	29,0	0,55	14	5075	350
A-JFT-09	9/16-18	9/16-18	9/16-18	2,68	68,0	1,34	34,0	0,75	19	5075	350
A-JFT-12	3/4-16	3/4-16	3/4-16	3,15	80,0	1,58	40,0	0,87	22	5075	350
A-JFT-14	7/8-14	7/8-14	7/8-14	3,39	86,0	1,38	35,0	1,06	27	2901	200
A-JFT-17	1/1/16-12	1/1/16-12	1/1/16-12	3,59	91,0	1,81	46,0	1,06	27	4495	310
A-JFT-21	1.5/16-12	1.5/16-12	1.5/16-12	4,10	104,0	2,05	52,0	1,30	33	2900	200
A-JFT-26	1.5/8-14	1/5/8-14	1.5/8-14	4,29	104,0	2,05	52,0	1,50	38	2900	200
A-JFT-30	1.7/8-14	1.7/8-14	1.7/8-14	4,73	120,0	2,32	59,0	1,97	50	2030	140
A-JFT-40	2.1/2-14	2.1/2-14	2.1/2-14	4,73	120,0	2,32	59,0	2,17	55	2030	140

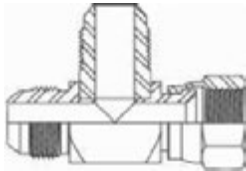
JIC SWIVEL FEMALE NUT BRANCH TEE



A-JMMFT

part no. code	thread	thread	thread			H		1		Press.Max	
	T	T1	T2	[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JMMFT-07	7/16-20	7/16-20	7/16-20	2,13	54,0	1,06	27	0,55	14	4351	300
A-JMMFT-08	1/2-20	1/2-20	1/2-20	2,13	54,0	1,06	27	0,55	14	4351	300
A-JMMFT-09	9/16-18	9/16-18	9/16-18	2,29	58,0	1,14	29	0,75	19	4351	300
A-JMMFT-12	3/4-16	3/4-16	3/4-16	2,76	70,0	1,38	35	0,87	22	3626	250
A-JMMFT-14	7/8-14	7/8-14	7/8-14	3,39	86,0	1,38	35	1,06	27	2901	200
A-JMMFT-17	1.1/16-12	1.1/16-12	1.1/16-12	3,39	86,0	1,69	43	1,06	27	2901	200
A-JMMFT-19	1.3/16-12	1.3/16-12	1.3/16-12	3,94	100,0	1,97	50	1,30	33	2611	180
A-JMMFT-21	1.5/16-12	1.5/16-12	1.5/16-12	4,33	110,0	2,17	55	1,62	41	2175	150
A-JMMFT-26	1.5/8-12	1.5/8-12	1.5/8-12	5,20	132,0	2,31	59	1,89	47	2175	150
A-JMMFT-30	1.7/8-12	1.7/8-12	1.7/8-12	5,59	139,0	2,51	62,5	1,99	49	2175	150
A-JMMFT-40	2.1/2-12	2.1/2-12	2.1/2-12	5,59	139,0	2,51	62,5	1,99	49	2175	150

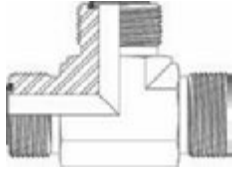
JIC SWIVEL FEMALE NUT RUN TEE



A-JMFMT

part no. code	thread	thread	thread			E		1		Press. Max	
	T	T1	T2	[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JMFMT-07	7/16-20	7/16-20	7/16-20	1,77	45,0	0,89	22,5	0,47	12	5511	380
A-JMFMT-08	1/2-20	1/2-20	1/2-20	1,89	48,0	0,95	24,0	0,47	12	5511	380
A-JMFMT-09	9/16-18	9/16-18	9/16-18	2,13	54,0	1,06	27,0	0,55	14	5511	380
A-JMFMT-12	3/4-16	3/4-16	3/4-16	2,48	63,0	1,24	31,5	0,75	19	5511	380
A-JMFMT-14	7/8-14	7/8-14	7/8-14	2,88	73,0	1,44	36,5	0,87	22	4931	340
A-JMFMT-17	1.1/16-12	1.1/16-12	1.1/16-12	3,31	84,0	1,65	42,0	1,06	27	4061	280
A-JMFMT-19	1.3/16-22	1.3/16-22	1.3/16-22	3,31	84,0	1,65	42,0	1,06	27	4061	280
A-JMFMT-21	1.5/16-12	1.5/16-12	1.5/16-12	3,62	92,0	1,81	46,0	1,30	33	2756	190
A-JMFMT-26	1.5/8-12	1.5/8-12	1.5/8-12	4,10	104,0	2,05	52,0	1,62	41	2756	190
A-JMFMT-30	1.7/8-12	1.7/8-12	1.7/8-12	4,65	118,0	2,32	59,0	1,89	48	2611	180
A-JMFMT-40	2.1/2-12	2.1/2-12	2.1/2-12	4,65	118,0	2,32	59,0	1,89	48	2611	180

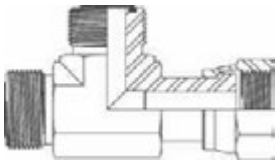
ORFS MALE TEE



A-OMT

part no. code	thread T	thread T1	Thread T2	f		E1		1		Press. Max	
				[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-OMT-04	9/16-18	9/16-18	9/16-18	2,13	54,0	1,06	27,0	0,55	14	4351	300
A-OMT-06	11/16-16	11/16-16	11/16-16	2,29	54,0	1,14	27,0	0,75	19	4351	300
A-OMT-08	13/16-16	13/16-16	13/16-16	2,76	58,0	1,38	29,0	0,87	22	3626	256
A-OMT-10	1-14	1-14	1-14	3,39	70,0	1,38	35,0	1,06	27	2901	200
A-OMT-12	1.3/16-12	1.3/16-12	1.3/16-12	3,39	86,0	1,69	35,0	1,06	27	2901	200
A-OMT-16	1.7/16-12	1.7/16-12	1.7/16-12	3,94	86,0	1,97	50,0	1,30	33	2611	180
A-OMT-20	1.11/16-12	1.11/16-12	1.11/16-12	4,33	100,0	2,17	55,0	1,62	41	2175	150
A-OMT-24	2-12	2-12	2-12	5,20	110,0	2,31	59,0	1,89	47	2175	150

ORFS MALE / FEMALE RUN / MALE TEE

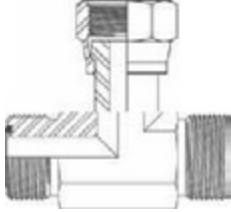


A-OMFMT

part no. code	thread T	thread T1	thread T2	f		E1		Press. Max			
				[in]	[mm]	[in]	[mm]	[psi]	[bar]		
A-OMFMT-04	9/16-18	9/16-18	9/16-18	2,13	54,0	1,06	27,0	1,14	29,0	5075	350
A-OMFMT-06	11/16-16	11/16-16	11/16-16	2,66	66,0	1,26	32,0	1,34	34,0	5075	350
A-OMFMT-08	13/16-16	13/16-16	13/16-16	3,03	77,0	1,46	37,0	1,58	40,0	5075	350
A-OMFMT-10	1-14	1-14	1-14	3,39	86,0	1,38	35,0	1,06	27,0	3480	240
A-OMFMT-12	1.3/16-12	1.3/16-12	1.3/16-12	3,39	86,0	1,58	40,0	1,81	46,0	4495	310
A-OMFMT-16	1.7/16-12	1.7/16-12	1.7/16-12	4,02	102,0	1,97	50,0	2,05	52,0	3480	240
A-OMFMT-20	1.11/16-12	1.11/16-12	1.11/16-12	4,29	109,0	2,05	52,0	2,25	57,0	2900	200

ORFS MALE / MALE / FEMALE BRANCH TEE

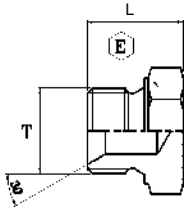
A-OMMFT



part no. code	thread T	thread T1	Thread T2					1		PressMax	
				[in]	[mm]	[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-OMMFT-04	9/16-18	9/16-18	9/16-18	2,13	54,0	1,06	27,0	1,14	29,0	5075	350
A-OMMFT-06	11/16-16	11/16-16	11/16-16	2,60	66,0	1,26	32,0	1,34	34,0	5075	350
A-OMMFT-08	13/16-16	13/16-16	13/16-16	3,03	77,0	1,46	37,0	1,58	40,0	5075	350
A-OMMFT-10	1-14	1-14	1-14	3,39	86,0	1,38	35,0	1,06	27,0	3480	240
A-OMMFT-12	1.3/16-12	1.3/16-12	1.3/16-12	3,39	86,0	1,58	40,0	1,81	46,0	4495	310
A-OMMFT-16	1.7/16-12	1.7/16-12	1.7/16-12	4,02	102,0	1,97	50,0	2,05	52,0	3480	240
A-OMMFT-20	1.11/16-12	1.11/16-12	1.11/16-12	4,29	109,0	2,05	52,0	2,25	57,0	2900	200

BSP MALE PLUG

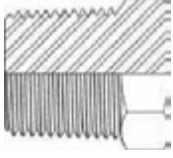
A-BPP



part no. code	thread T					Press. Max	
		[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPP-02	1/8-28	0,57	14,5	0,55	14,0	6164	425
A-BPP-04	1/4-19	0,71	18,0	0,75	19,0	6164	425
A-BPP-06	3/8-19	0,83	21,0	0,87	22,0	5801	400
A-BPP-08	1/2-14	0,93	23,5	1,06	27,0	5076	350
A-BPP-10	5/8-14	1,02	26,0	1,18	30,0	4351	300
A-BPP-12	3/4-14	1,06	27,0	1,26	32,0	3626	250
A-BPP-16	1-11	1,22	31,0	1,62	41,0	3626	250
A-BPP-20	1.1/4-11	1,32	33,5	1,97	50,0	2901	200
A-BPP-24	1.1/2-11	1,42	36,0	2,17	55,0	2538	175
A-BPP-32	2-11	1,62	41,0	2,76	70,0	2175	150
A-BPP-40	2.1/2-11	1,58	40,0	3,35	85,0	2175	150

BSPT MALE PLUG

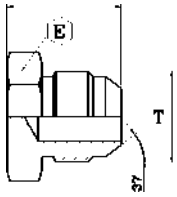
A-BTMP



part no. code	thread T	L				Press. Max	
		[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BTMP-02	1/8-28	0,57	14,5	0,55	14,0	6164	425
A-BTMP-04	1/4-19	0,71	18,0	0,75	19,0	6164	425
A-BTMP-06	3/8-19	0,83	21,0	0,87	22,0	5801	400
A-BTMP-08	1/2-14	0,93	23,5	1,06	27,0	5076	350
A-BTMP-10	5/8-14	1,02	26,0	1,18	30,0	4351	300
A-BTMP-12	3/4-14	1,06	27,0	1,26	32,0	3626	250
A-BTMP-16	1-11	1,22	31,0	1,62	41,0	3626	250
A-BTMP-20	1.1/4-11	1,32	33,5	1,97	50,0	2901	200
A-BTMP-24	1.1/2-11	1,42	36,0	2,17	55,0	2538	175
A-BTMP-32	2-11	1,62	41,0	2,76	70,0	2175	150

JIC MALE PLUG

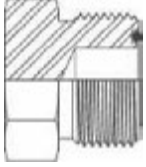
A-JMP



part no. code	thread T					Press. Max	
		[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JMP-07	7/16-20	0,87	22,0	0,47	12	5075	350
A-JMP-08	1/2-20	0,85	21,5	0,55	14	5075	350
A-JMP-09	9/16-18	0,85	21,6	0,59	15	5075	350
A-JMP-12	3/4-16	0,95	24,2	0,75	19	5075	350
A-JMP-14	7/8-14	1,10	28,0	0,95	24	5075	350
A-JMP-17	1.1/16-12	1,28	32,5	1,06	27	5075	350
A-JMP-19	1.3/16-14	1,28	32,5	1,06	27	4060	280
A-JMP-21	1.5/16-12	1,34	34,0	1,34	34	4060	280
A-JMP-26	1.5/8-12	1,42	36,0	1,65	42	3045	210
A-JMP-30	1.7/8-12	1,65	42,0	1,97	50	2030	140
A-JMP-40	2.1/2-12	1,65	42,0	1,97	50	2030	140

ORFS MALE PLUG

A-OP



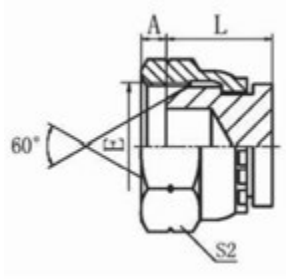
<i>part no.</i>	<i>thread</i>	<i>L</i>				<i>Press. Max</i>	
<i>code</i>	<i>T</i>	<i>[in]</i>	<i>[mm]</i>	<i>[in]</i>	<i>[mm]</i>	<i>[psi]</i>	<i>[bar]</i>
A-OP-04	9/16-18	0,57	14,5	0,55	14	6164	425
A-OP-06	11/16-16	0,71	18,0	0,75	19	6164	425
A-OP-08	13/16-16	0,83	21,0	0,87	22	5801	400
A-OP-10	1-14	0,93	23,5	1,06	27	5076	350
A-OP-12	1.3/16-12	1,02	26,0	1,18	30	4351	300
A-OP-16	1.7/16-12	1,06	27,0	1,26	32	3626	250
A-OP-20	1.11/16-12	1,22	31,0	1,62	41	3626	250
A-OP-24	2-12	1,32	33,5	1,97	50	2901	200

METRIC PLUG

A-DMP



<i>part no.</i>	<i>thread</i>	<i>L</i>				<i>Press. Max</i>	
<i>code</i>	<i>T</i>	<i>[in]</i>	<i>[mm]</i>	<i>[in]</i>	<i>[mm]</i>	<i>[psi]</i>	<i>[bar]</i>
A-DMP-10	10x1,0	0,57	14,5	0,55	14,0	6164	425
A-DMP-12	12x1,5	0,71	18,0	0,75	19,0	6164	425
A-DMP-14	14x1,5	0,83	21,0	0,87	22,0	5801	400
A-DMP-16	16x1,5	0,93	23,5	1,06	27,0	5076	350
A-DMP-18	18x1,5	1,02	26,0	1,18	30,0	4351	300
A-DMP-20	20x1,5	1,06	27,0	1,26	32,0	3626	250
A-DMP-22	22x1,5	1,22	31,0	1,62	41,0	3626	250
A-DMP-24	24x1,5	1,32	33,5	1,97	50,0	2901	200
A-DMP-26	26x1,5	1,42	36,0	2,17	55,0	2538	175



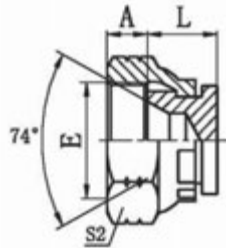
BSP SWIVEL FEMALE PLUG

A-BPSC

part no. code	thread T					PressMax	
		[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-BPSC-02	1/8-28	0,43	11,0	0,55	14,0	6164	425
A-BPSC-04	1/4-19	0,53	13,5	0,75	19,0	6164	425
A-BPSC-06	3/8-19	0,59	15,0	0,87	22,0	5801	400
A-BPSC-08	1/2-14	0,69	17,5	1,06	27,0	5076	350
A-BPSC-10	5/8-14	0,63	16,0	1,18	30,0	4351	300
A-BPSC-12	3/4-14	0,69	17,5	1,26	32,0	3626	250
A-BPSC-16	1-11	0,75	19,0	1,50	38,0	3626	250
A-BPSC-20	1.1/4-11	0,91	23,0	1,97	50,0	2901	200
A-BPSC-24	1.1/2-11	0,93	23,5	2,17	55,0	2538	175
A-BPSC-32	2-11	1,01	25,6	2,76	70,0	2175	150

JIC SWIVEL FEMALE PLUG

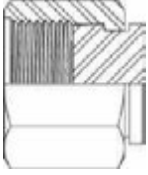
A-JFC



part no. code	thread T					Press. Max	
		[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-JFC-07	7/16-20	0,71	18,0	0,55	14	5075	350
A-JFC-08	1/2-20	0,79	20,0	0,67	17	5075	350
A-JFC-09	9/16-18	0,87	22,0	0,75	19	5075	350
A-JFC-12	3/4-16	0,95	24,0	0,95	24	5075	350
A-JFC-14	7/8-14	1,06	27,0	1,06	27	4061	280
A-JFC-17	1.1/16-12	1,18	30,0	1,26	32	4061	280
A-JFC-19	1.3/16-14	1,24	31,5	1,26	32	2756	190
A-JFC-21	1.5/16-12	1,24	31,5	1,62	41	2756	190
A-JFC-26	1.5/8-12	1,30	33,0	1,97	50	2611	180
A-JFC-30	1.7/8-12	1,54	39,0	2,17	55	2611	180
A-JFC-40	2.1/2-12	1,54	39,0	2,17	55	2611	180

ORFS FEMALE BLANKING CAP

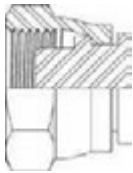
A-OC



part no. code	thread T	L				Press. Max	
		[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-OC-04	9/16-18	0,47	11,0	0,55	14	6164	425
A-OC-06	11/16-16	0,53	13,5	0,75	19	6164	425
A-OC-08	13/16-16	0,59	15,0	0,87	22	5801	400
A-OC-10	1-14	0,69	17,5	1,06	27	5076	350
A-OC-12	1.3/16-12	0,63	16,0	1,18	30	4351	300
A-OC-16	1.7/16-12	0,69	17,5	1,26	32	3626	250
A-OC-20	1.11/16-12	0,75	19,0	1,50	38	3626	250
A-OC-24	2-12	0,91	23,0	1,97	50	2901	200

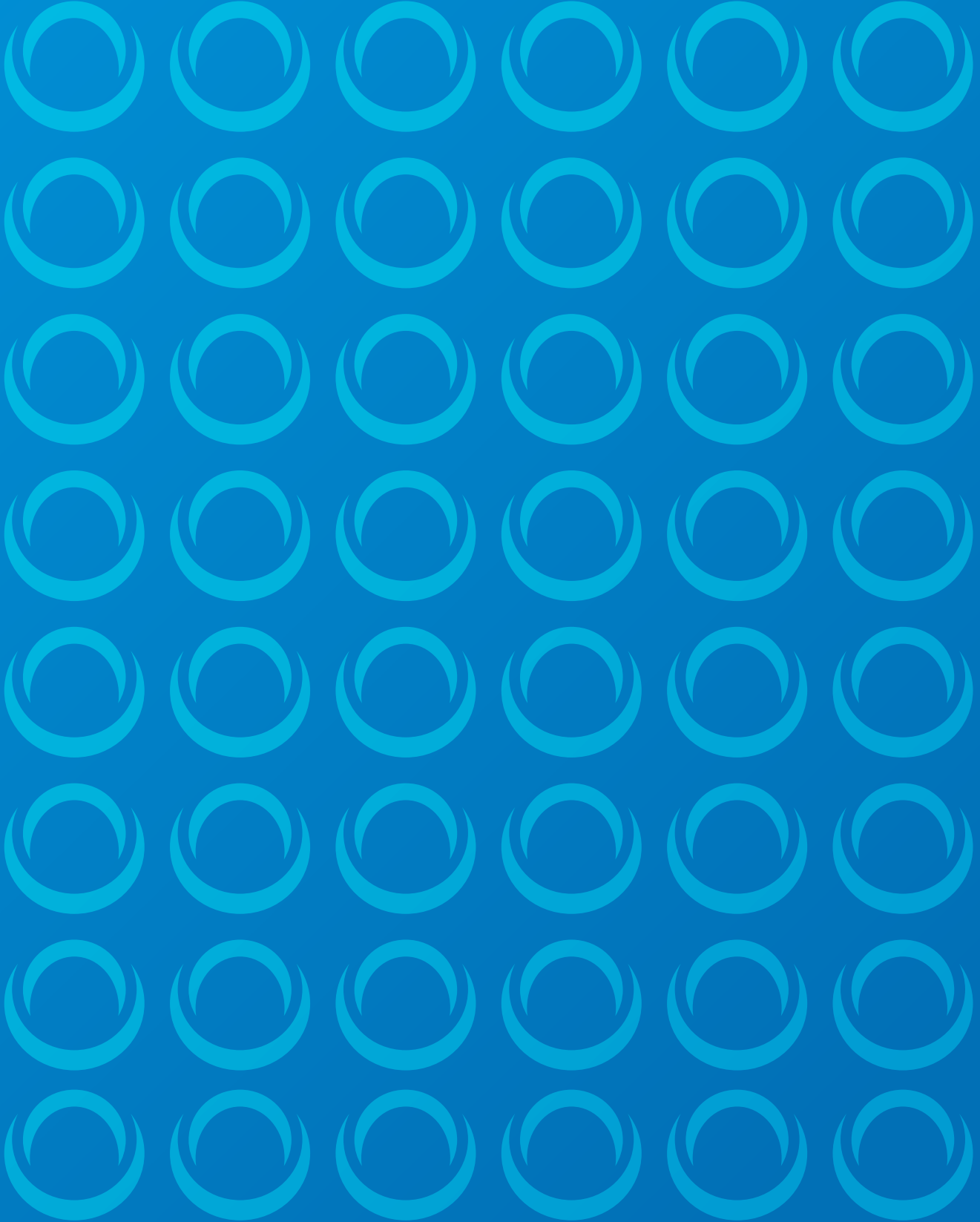
METRIC SWIVEL FEMALE BLANKING CAP

A-DFC



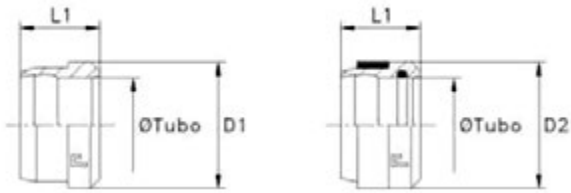
part no. code	thread T					Press. Max	
		[in]	[mm]	[in]	[mm]	[psi]	[bar]
A-DFC-12	M12x1,5	0,71	18,0	0,55	14	5075	350
A-DFC-14	M14x1,5	0,79	20,0	0,67	17	5075	350
A-DFC-16	M16x1,5	0,87	22,0	0,75	19	5075	350
A-DFC-18	M18x1,5	0,95	24,0	0,95	24	5075	350
A-DFC-20	M20x1,5	1,06	27,0	1,06	27	4061	280
A-DFC-22	M22x1,5	1,18	30,0	1,26	32	4061	280

Section 4 | **Din 2353 Compression Fittings**

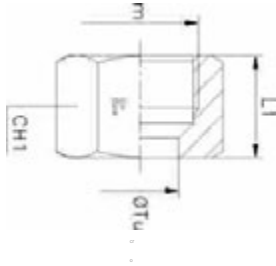


OLIVES

OCR



part no. code	Series	Bar	Code B	ØTube	L1	D1	D2
OCR-4LL	LL	100	100101	4	6	6	-
OCR-6LL			100102	6	7	8	-
OCR-8LL			100103	8	7	10	-
OCR-6LS			100104	6	9,5	10	10
OCR-8LS			100105	8	9,5	12	12
OCR-10LS			100106	10	10	14	14
OCR-12LS		315	100107	12	10	16	16
OCR-15L			100108	15	10	19	20
OCR-18L	L		100109	18	10	23	23
OCR-22L			100110	22	10,5	27	27
OCR-28L			100111	28	11	33	33
OCR-35L		160	100112	35	13	41	41
OCR-42L			100113	42	13	48	48
OCR-6LS			100104	6	9,5	10	10
OCR-8LS			100105	8	9,5	12	12
OCR-10LS		630	100106	10	10	14	14
OCR-12LS			100107	12	10	16	16
OCR-14LS			100118	14	10	19	19
OCR-16S	S		100119	16	10,5	21	21
OCR-20S			100120	20	12	26	26
OCR-25S		400	100121	25	12	32	32
OCR-30S			100122	30	13	36	38
OCR-38S		315	100123	38	13	44	48



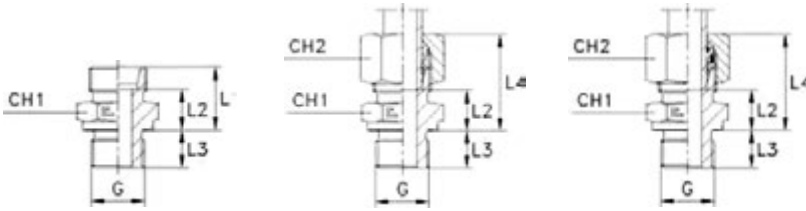
NUTS

LCN/SCN

part no. code	Series	Bar	Code B	ØTube	m	L1	CH1
LCN-04LL	LL	100	100201	4	8x1	11	10
LCN-06LL			100202	6	10x1	11,5	12
LCN-08LL			100203	8	12x1	12	14
LCN-06L			100204	6	12x1,5	14,5	14
LCN-08L			100205	8	14x1,5	14,5	17
LCN-10L			100206	10	16x1,5	15,5	19
LCN-12L		315	100207	12	18x1,5	15,5	22
LCN-15L			100208	15	22x1,5	17	27
LCN-18L	L		100209	18	26x1,5	18	32
LCN-22L			100210	22	30x2	20	36
LCN-28L			100211	28	36x2	21	41
LCN-35L		160	100212	35	45x2	24	50
LCN-42L			100213	42	52x2	24	60
SCN-06S			100214	6	14x1,5	16,5	17
SCN-08S			100215	8	16x1,5	16,5	19
SCN-10S		630	100216	10	18x1,5	17,5	22
SCN-12S			100217	12	20x1,5	17,5	24
SCN-14S			100218	14	22x1,5	20,5	27
SCN-16S	S		100219	16	24x1,5	20,5	30
SCN-20S			100220	20	30x2	24	36
SCN-25S		400	100221	25	36x2	27	46
SCN-30S			100222	30	42x2	29	50
SCN-38S		315	100123	38	52x2	32,5	60

**MALE STUD COUPLING
60 DEGREE CONE**

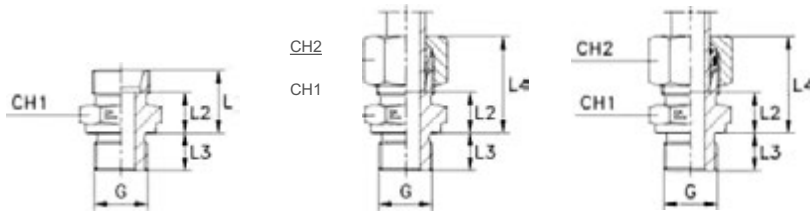
GE



part no. code	Series	Bar	Code B	ØTube	G	L1	L2	L3	L4	CH1	CH2
GE-06LR1/8	L	315	100304	6	1/8	15,5	8,5	8	23	14	14
GE-08LR1/4			100305	8	1/4	17	10	12	25	19	17
GE-10LR1/4			100306	10	1/4	18	11	12	26	19	19
GE-12LR3/8			100307	12	3/8	19,5	12,5	12	27	22	22
GE-15LR1/2			100308	15	1/2	21	14	14	29	27	27
GE-18LR1/2			100309	18	1/2	22	14,5	14	31	27	32
GE-22LR3/4			100310	22	3/4	24	16,5	16	33	32	36
GE-28LR1		160	100311	28	1	25	17,5	18	34	41	41
GE-35LR11/4			100312	35	11/4	28	17,5	20	39	50	50
GE-42LR11/2			100313	42	11/2	30	19	22	42	55	60
GE-06SR1/4			100314	6	1/4	20	13	12	28	19	17
GE-08SR1/4			100315	8	1/4	22	15	12	30	19	19
GE-10SR3/8		630	100316	10	3/8	22,5	15	12	31	22	22
GE-12SR3/8			100317	12	3/8	24,5	17	12	33	22	24
GE-14SR1/2	S		100318	14	1/2	27	19	14	37	27	27
GE-16SR1/2			100319	16	1/2	27	18,5	14	37	27	30
GE-20SR3/4			100320	20	3/4	31	20,5	16	42	32	36
GE-25SR1		400	100321	25	1	35	23	18	47	41	46
GE-30SR11/4			100322	30	11/4	37	23,5	20	50	50	50
GE-38SR11/2		315	100323	38	11/2	42	26	22	57	55	60
GE-06LR1/4			100324*	6	1/4	17	10	12	24,5	19	14
GE-08LR1/8			100325*	8	1/8	16,5	9,5	8	24,5	14	17
GE-08LR3/8			100326*	8	3/8	18,5	11,5	12	26,5	22	17
GE-08LR1/2			100327*	8	1/2	19	12	14	27	27	17
GE-10LR1/8	L	315	100328*	10	1/8	17,5	10,5	8	25,5	17	19
GE-10LR3/8			100329*	10	3/8	19,5	12,5	12	27,5	22	19
GE-10LR1/2			100330*	10	1/2	20	13	14	28	27	19
GE-12LR1/4			100331*	12	1/4	19	12	12	26,5	19	22
GE-12LR1/2			100332*	12	1/2	20	13	14	27,5	27	22
GE-15LR3/8			100333*	15	3/8	20,5	13,5	12	28,5	24	27
GE-18LR3/4			100334*	18	3/4	22	14,5	16	31	32	32
GE-12SR1/2			100335*	12	1/2	25	17,5	14	33,5	27	24
GE-14SR3/8		630	100336*	14	3/8	26,5	18,5	12	36,5	24	27
GE-16SR3/8			100337*	16	3/8	26,5	18	12	36,5	27	30
GE-20SR1/2			100338*	20	1/2	31	20,5	14	42	32	36
GE-25SR3/4	S	400	100339*	25	3/4	35	23	16	47	41	46
GE-30SR1			100340*	30	1	37	23,5	18	50	46	50
GE-08SR3/8			100341*	8	3/8	22,5	15,5	12	30,5	22	19
GE-10SR1/4		630	100342*	10	1/4	22	14,5	12	30,5	19	22
GE-10SR1/2			100343*	10	1/2	25	17,5	14	33,5	27	22

**MALE STUD COUPLING 60
DEGREE CONE**

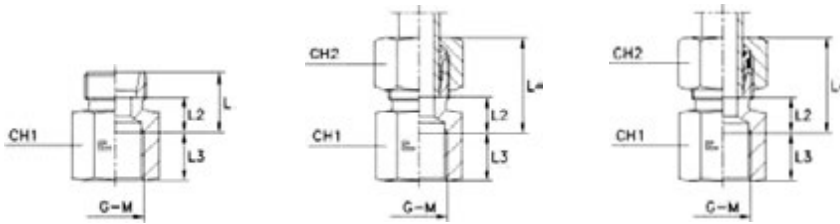
GE (continued)



part no. code	Series	Bar	Code B	OTube	G	L1	L2	L3	L4	CH1	CH2
GE-12RS1/4		630	100344*	12	1/4	24	16,5	12	32,5	22	24
GE-16SR1/2	S		100345*	16	3/4	29	20,5	16	39	32	30
GE-20SR1		400	100346*	20	1	33	22,5	18	44	41	36
GE-38SR11/4		315	100347*	38	1 1/4	42	26	20	57	55	60
GE-15LR1/2		316	100348*	15	3/4	22	15	16	30	32	27
GE-22LR1/2			100349*	22	1/2	24	16,5	14	33	32	36
GE-22LR1			100350*	22	1	25	17,5	18	34	41	36
GE-28LR3/4	L	160	100351*	28	3/4	25	17,5	16	34	41	41
GE-35LR1			100352*	35	1	28	17,5	18	39	46	50
GE-42LR11/4		160	100354*	42	1 1/4	30	19	20	42	55	60

FEMALE STUD COUPLING

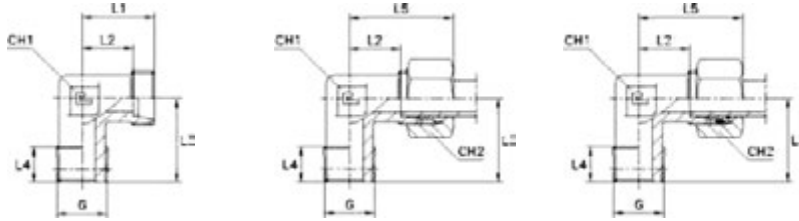
GAV



part no. code	Series	Bar	Code B	OTube	G	L1	L2	L3	L4	CH1	CH2
GAV-6LR1/8	L	315	100704	6	1/8	16	9	10	23,5	14	14
GAV-8LR1/4			100705	8	1/4	17	10	14	25	19	17
GAV-10LR1/4			100706	10	1/4	18	11	14	26	19	19
GAV-12LR3/8			100707	12	3/8	19	12	14	26,5	24	22
GAV-15LR1/2			100708	15	1/2	21	14	17	29	27	27
GAV-15LR1/2			100709	18	1/2	21	13,5	17	30	27	32
GAV-22LR3/4			100710	22	3/4	24	16,5	19	33	36	36
GAV-28LR1		160	100711	28	1	23,5	16	21,5	32,5	41	41
GAV-35LR11/4			100712	35	11/4	28,5	18	23,5	39,5	55	50
GAV-42LR11/2			100713	42	11/2	28,5	17,5	25,5	40,5	60	60
GAV-6SR1/4			100714	6	1/4	19	12	14	27	19	17
GAV-8SR1/4			100715	8	1/4	19	12	14	27	19	19
GAV-10SR3/8		630	100716	10	3/8	20	12,5	14	28,5	24	22
GAV-12SR3/8			100717	12	3/8	20	12,5	14	28,5	24	24
GAV-14SR1/2	S		100718	14	1/2	23	15	17	33	30	27
GAV-16SR1/2			100719	16	1/2	23	14,5	17	33	30	30
GAV-20SR3/4			100720	20	3/4	26	15,5	19	37	36	36
GAV-25SR1		400	100721	25	1	27,5	15,5	21,5	39,5	41	46
GAV-30SR11/4			100722	30	11/4	32,5	19	23,5	45,5	55	50
GAV-38SR11/2		315	100723	38	11/2	34,5	18,5	25,5	49,5	60	60

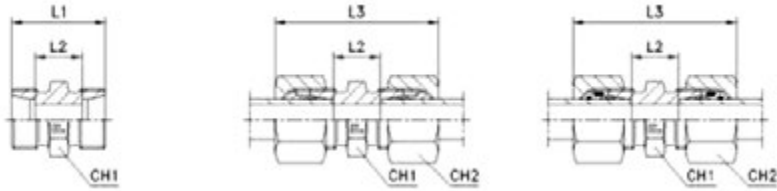
MALE STUD ELBOW

WE



part no. code	Series	Bar	Code B	OTube	G	L1	L2	L3	L4	L5	CH1	CH2
WE-04LL1/8	LL	100	102001	4	1/8	15	11	17	8	21	9	10
WE-06LL1/8			102002	6	1/8	15	9,5	17	8	21	9	12
WE-08LL1/8			102003	8	1/8	17	11,5	20	8	23	12	14
WE-06LR1/8			102004	6	1/8	19	12	20	8	27	12	14
WE-08LR1/4			102005	8	1/4	21	14	26	12	29	12	17
WE-10LR1/4		315	102006	10	1/4	22	15	27	12	30	14	19
WE-12LR3/8			102007	12	3/8	24	17	28	12	32	17	22
WE-15LR1/2			102008	15	1/2	28	21	34	14	36	19	27
WE-18LR1/2	L		102009	18	1/2	31	23,5	36	14	40	24	32
WE-22LR3/4			102010	22	3/4	35	27,5	42	16	44	27	36
WE-28LR1			102011	28	1	38	30,5	48	18	47	36	41
WE-35LR11/4		160	102012	35	11/4	45	34,5	54	20	56	41	50
WE-42L11/2			102013	42	11/2	51	40	61	22	63	50	60
WE-06SR1/4			102014	6	1/4	23	16	26	12	31	12	17
WE-08SR1/4			102015	8	1/4	24	17	27	12	32	14	19
WE-10SR3/8		630	102016	10	3/8	25	17,5	28	12	34	17	22
WE-12SR3/8			102017	12	3/8	29	21,5	28	12	38	17	24
WE-14SR1/2	S		102018	14	1/2	30	22	32	14	40	19	27
WE-16SR1/2			102019	16	1/2	33	24,5	32	14	43	24	30
WE-20SR3/4			102020	20	3/4	37	26,5	42	16	48	27	36
WE-25SR1		400	102021	25	1	42	30	48	18	54	36	46
WE-30SR11/4			102022	30	11/4	49	35,5	54	20	62	41	50
WE-38SR11/2		315	102023	38	11/2	57	41	61	22	72	50	60
WE-06LR1/4			102024	6	1/4	21	14	26	12	29	12	14
WE-08LR1/8			102025	8	1/8	21	14	22	8	29	12	17
WE-08LR3/8			102026	8	3/8	23	16	28	12	31	17	17
WE-08LR1/2			102027	8	1/2	26	19	34	14	34	19	17
WE-10LR1/8			102028	10	1/8	22	15	22	8	30	14	19
WE-10LR3/8	L	315	102029	10	3/8	24	17	28	12	32	17	19
WE-10LR1/2			102030	10	1/2	27	20	34	14	35	19	19
WE-12LR1/4			102031	12	1/4	24	17	28	12	32	17	22
WE-12LR1/2			102032	12	1/2	27	20	34	14	34	19	22
WE-15LR3/8			102033	15	3/8	28	21	30	12	36	19	27
WE-18LR3/4			102034	18	3/4	34	26,5	42	16	43	27	32
WE-12SR1/2			102035	12	1/2	28	20,5	32	14	37	19	24
WE-14SR3/8		630	102036	14	3/8	30	22	30	12	40	19	27
WE-16SR3/8	S		102037	16	3/8	33	24,5	37	12	43	24	30
WE-20SR1/2			102038	20	1/2	37	26,5	36	14	48	27	36
WE-25SR3/4		400	102039	25	3/4	42	30	42	16	54	36	46
WE-30SR1			102040	30	1	49	35,5	48	18	62	41	50

STRAIGHT TUBE COUPLING

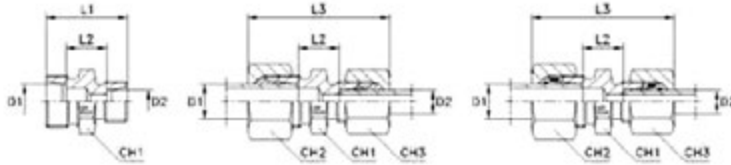


G

part no. code	Series	Bar	Code B	ØTube	L1	L2	L3	CH1	CH2
G-04LL	LL	100	103501	4	20	12	31	12	10
G-06LL			103502	6	20	9	32	12	12
G-08LL			103503	8	23	12	35	12	14
G-06L			103504	6	24	10	39	12	14
G-08L			103505	8	25	11	40	14	17
G-10L		315	103506	10	27	13	42	17	19
G-12L			103507	12	28	14	43	19	22
G-15L			103508	15	30	16	46	24	27
G-18L	L		103509	18	31	16	48	27	32
G-22L			103510	22	35	20	52	32	36
G-28L		160	103511	28	36	21	54	41	41
G-35L			103512	35	41	20	63	46	50
G-42L			103513	42	43	21	66	55	60
G-06S			103514	6	30	16	45	14	17
G-08S			103515	8	32	18	47	17	19
G-10S		630	103516	10	32	17	49	19	22
G-12S			103517	12	34	19	51	22	24
G-14S	S		103518	14	38	22	57	24	27
G-16S			103519	16	38	21	57	27	30
G-20S			103520	20	44	23	66	32	36
G-25S		400	103521	25	50	26	74	41	46
G-30S			103522	30	54	27	80	46	50
G-38S		315	103523	38	61	29	90	55	60

STRAIGHT STUD COUPLING REDUCER

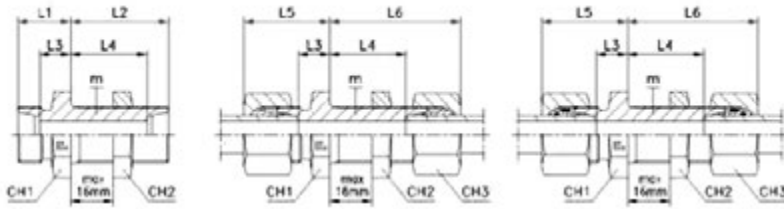
G



part no. code	Series	Bar	Code B	Ø D1	D2	L1	L2	L3	CH1	CH2	CH3
G-08L-06L	L	315	104104	8	6	25	11	40,5	40,5	17	14
G-10L-06L			104105	10	6	26	12	41,5	41,5	19	14
G-10L-08L			104106	10	8	26	12	42	42	19	17
G-12L-06L			104107	12	6	27	13	42	42	22	14
G-12L-08L			104108	12	8	27	13	42,5	42,5	22	17
G-12L-10L			104109	12	10	28	14	43,5	43,5	22	19
G-15L-10L			104110	15	10	29	15	45	45	27	19
G-15L-12L			104111	15	12	29	15	44,5	44,5	27	22
G-18L-10L			104112	18	10	30	15,5	47	47	32	19
G-18L-12L			104113	18	12	30	15,5	46,5	46,5	32	22
G-18L-15L			104114	18	15	31	16,5	48	48	32	27
G-22L-12L			104115	22	12	32	17,5	48,5	48,5	36	22
G-22L-15L			104116	22	15	33	18,5	50	50	36	27
G-22L-18L			104117	22	18	33	18	51	51	36	32
G-28L-18L		160	104118	28	18	34	19	52	52	41	32
G-28L-22L			104119	28	22	36	21	54	54	41	36
G-35L-22L			104120	35	22	39	21	59	59	50	36
G-35L-28L			104121	35	28	39	21	59	59	50	41
G-08S-06S			104122	8	6	32	18	48	48	19	17
G-10S-06S			104123	10	6	32	17,5	48,5	48,5	22	17
G-10S-08S			104124	10	8	32	17,5	48,5	48,5	22	19
G-12S-06S			104125	12	6	34	19,5	50,5	50,5	24	17
G-12S-08S		630	104126	12	8	34	19,5	50,5	50,5	24	19
G-12S-10S			104127	12	10	34	19	51	51	24	22
G-14S-10S			104128	14	10	36	20,5	54,5	54,5	27	22
G-14S-12S			104129	14	12	36	20,5	54,5	54,5	27	24
G-16S-12S	S		104130	16	12	36	20	54,5	54,5	30	24
G-16S-14S			104131	16	14	38	21,5	58	58	30	27
G-20S-10S			104132	20	10	40	22	59,5	32	36	22
G-20S-12S		400	104133	20	12	40	22	59,5	32	36	24
G-20S-16S			104134	20	16	42	23	63	32	36	30
G-25S-16S			104135	25	16	46	25,5	68	41	46	30
G-25S-20S			104136	25	20	48	25,5	71	41	46	36
G-30S-20S			104137	30	20	50	26	74	46	50	36
G-30S-25S			104138	30	25	52	26,5	77	46	50	46
G-38S-30S		315	104139	38	30	59	29,5	87	55	60	50

BULKHEAD STRAIGHT

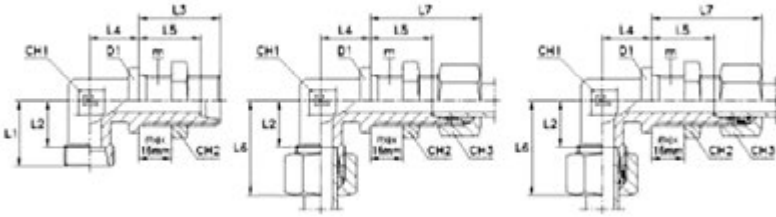
SV



part no. code	Series	Bar	Code B	Tube ⁰	m	L1	L2	L3	L4	L5	L6	CH1	CH2	CH3
SV-06L			103604	6	12x1,5	14	34	7	27	22	42	17	17	14
SV-08L			103605	8	14x1,5	15	34	8	27	23	42	19	19	17
SV-10L			103606	10	16x1,5	17	35	10	28	25	43	22	22	19
SV-12L		315	103607	12	18x1,5	17	36	10	29	25	44	24	24	22
SV-15L			103608	15	22x1,5	19	38	12	31	27	46	27	30	27
SV-18L	L		103609	18	26x1,5	21	40	13,5	32,5	30	49	32	36	32
SV-22L			103610	22	30x2	24	42	16,5	34,5	33	51	36	41	36
SV-28L		160	103611	28	36x2	26	43	18,5	35,5	35	52	41	46	41
SV-35L			103612	35	45x2	29	47	18,5	36,5	40	58	50	55	50
SV-42L			103613	42	52x2	30	47	19	36	42	59	60	65	60
SV-06S			103614	6	14x1,5	19	36	12	29	27	44	19	19	17
SV-08S			103615	8	16x1,5	20	36	13	29	28	44	22	22	19
SV-10S		630	103616	10	18x1,5	22	37	14,5	29,5	31	46	24	24	22
SV-12S			103617	12	20x1,5	22	38	14,5	30,5	31	47	27	27	24
SV-14S	S		103618	14	22x1,5	25	40	17	32	35	50	30	30	27
SV-16S			103619	16	24x1,5	25	40	16,5	31,5	35	50	32	32	30
SV-20S			103620	20	30x2	28	44	17,5	33,5	39	55	41	41	36
SV-25S		400	103621	25	36x2	32	47	20	35	44	59	46	46	46
SV-30S			103622	30	42x2	35	51	21,5	37,5	48	64	50	50	50
SV-38S		315	103623	38	52x2	38	53	22	37	53	68	65	65	60

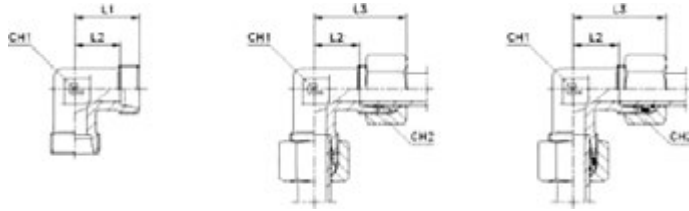
BULKHEAD ELBOW

WSV



part no. code	Series	Bar	Code B	⁰ Tube	m	L1	L2	L3	L4	L5	L6	L7	D1	CH1	CH2	CH3
WSV-06L			103704	6	12x1,5	19	12	34	14	27	19	42	17	12	17	14
WSV-08L			103705	8	14x1,5	21	14	34	17	27	21	42	19	12	19	17
WSV-10L		315	103706	10	16x1,5	22	15	35	18	28	22	43	22	14	22	19
WSV-12L			103707	12	18x1,5	24	17	36	20	29	24	44	24	17	24	22
WSV-15L	L		103708	15	22x1,5	28	21	38	23	31	28	46	27	19	30	27
WSV-18L			103709	18	26x1,5	31	23,5	40	24	32,5	31	49	32	24	36	32
WSV-22L			103710	22	30x2	35	27,5	42	30	34,5	35	51	36	27	41	36
WSV-28L		160	103711	28	36x2	38	30,5	43	34	35,5	38	52	42	36	46	41
WSV-35L			103712	35	45x2	45	34,5	47	39	36,5	45	58	50	41	55	50
WSV-42L			103713	42	52x2	51	40	47	43	36	51	59	60	50	65	60
WSV-06S			103714	6	14x1,5	23	16	36	17	29	23	44	19	12	19	17
WSV-08S			103715	8	16x1,5	24	17	36	18	29	24	44	22	14	22	19
WSV-10S		630	103716	10	18x1,5	25	17,5	37	20	29,5	25	46	24	17	24	22
WSV-12S			103717	12	20x1,5	29	21,5	38	21	30,5	29	47	27	17	27	24
WSV-14S			103718	14	22x1,5	30	22	40	23	32	30	50	27	19	30	27
WSV-16S	S		103719	16	24x1,5	33	24,5	40	24	31,5	33	50	30	24	32	30
WSV-20S			103720	20	30x2	37	26,5	44	30	33,5	37	55	36	27	41	36
WSV-25S		400	103721	25	36x2	42	30	47	34	35	42	59	42	36	46	46
WSV-30S			103722	30	42x2	49	35,5	51	39	37,5	49	64	50	41	50	50
WSV-38S		315	103723	38	52x2	57	41	53	43	37	57	68	60	50	65	60

90 DEGREE TUBE COUPLING

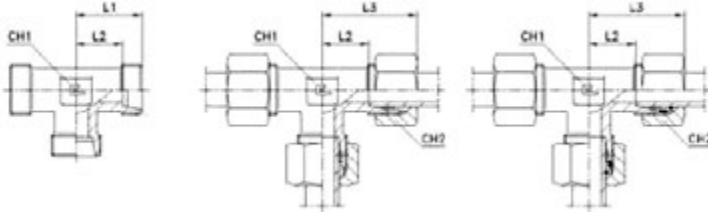


W

part no. code	Series	Bar	Code B	OTube	L1	L2	L3	CH1	CH2
W-4LL	LL	100	103801	4	15	11	21	9	10
W-6LL			103802	6	15	9,5	21	9	12
W-8LL			103803	8	17	11,5	23	12	14
W-6L			103804	6	19	12	27	12	14
W-8L			103805	8	21	14	29	12	17
W-10L		315	103806	10	22	15	30	14	19
W-12L			103807	12	24	17	32	17	22
W-15L	L		103808	15	28	21	36	19	27
W-18L			103809	18	31	23,5	40	24	32
W-22L			103810	22	35	27,5	44	27	36
W-28L		160	103811	28	38	30,5	47	36	41
W-35L			103812	35	45	34,5	56	41	50
W-42L			103813	42	51	40	63	50	60
W-06S			103814	6	23	16	31	12	17
W-08S			103815	8	24	17	32	14	19
W-10S		630	103816	10	25	17,5	34	17	22
W-12S			103817	12	29	21,5	38	17	24
W-14S	S		103818	14	30	22	40	19	27
W-16S			103819	16	33	24,5	43	24	30
W-20S		400	103820	20	37	26,5	48	27	36
W-25S			103821	25	42	30	54	36	46
W-30S			103822	30	49	35,5	62	41	50
W-38S		315	103823	38	57	41	72	50	60

TEE TUBE COUPLING

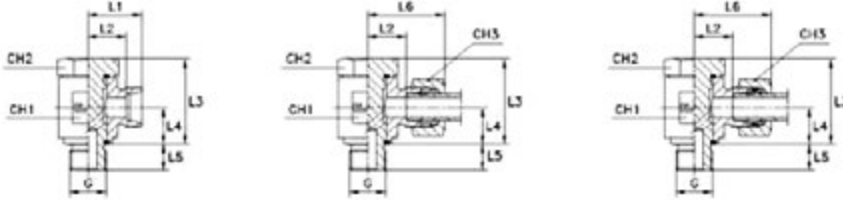
T



part no. code	Series	Bar	Code B	OTube	L1	L2	L3	CH1	CH2
T-04LL	LL	100	103901	4	15	11	21	9	10
T-06LL			103902	6	15	9,5	21	9	12
T-08LL			103903	8	17	11,5	23	12	14
T-06L			103904	6	19	12	27	12	14
T-08L			103905	8	21	14	29	12	17
T-10L		315	103906	10	22	15	30	14	19
T-12L			103907	12	24	17	32	17	22
T-15L	L		103908	15	28	21	36	19	27
T-18L			103909	18	31	23,5	40	24	32
T-22L			103910	22	35	27,5	44	27	36
T-18L		160	103911	28	38	30,5	47	36	41
T-35L			103912	35	45	34,5	56	41	50
T-42L			103913	42	51	40	63	50	60
T-06S			103914	6	23	16	31	12	17
T-08S			103915	8	24	17	32	14	19
T-10S		630	103916	10	25	17,5	34	17	22
T-12S			103917	12	29	21,5	38	17	24
T-14S	S		103918	14	30	22	40	19	27
T-16S			103919	16	33	24,5	43	24	30
T-20S		400	103920	20	37	26,5	48	27	36
T-25S			103921	25	42	30	54	36	46
T-30S			103922	30	49	35,5	62	41	50
T-38S		315	103923	38	57	41	72	50	60

BANJO COMPRESSION COUPLING

RSWD



part no. code	Series	Bar	Code B	OTube	G	L1	L2	L3	L4	L5	L6	CH1	CH2	CH3
RSWD-04LL1/8			101301	4	1/8	18	14	24	10,5	8	24	17	17	10
RSWD-06LL1/8	LL	100	101302	6	1/8	18	12,5	24	10,5	8	24	17	17	12
RSWD-08LL1/8			101303	8	1/8	19	13,5	24	10,5	8	25	17	17	14
RSWD-06LR1/8			101304	6	1/8	19	12	24	10,5	8	27	17	17	14
RSWD-08LR1/4			101305	8	1/4	21,5	14,5	32	14	12	29,5	22	19	17
RSWD-10LR1/4		315	101306	10	1/4	22,5	15,5	32	14	12	30,5	22	19	19
RSWD-12LR3/8			101307	12	3/8	25	18	38,5	16,5	12	33	27	24	22
RSWD-15LR1/2	L		101308	15	1/2	29	22	46,5	21,5	14	37	32	30	27
RSWD-18LR1/2			101309	18	1/2	29	21,5	46,5	21,5	14	38	32	30	32
RSWD-22LR3/4			101310	22	3/4	34	26,5	54	24	16	43	41	36	36
RSWD-28LR1		160	101311	28	1	38,5	31	66,5	30,5	18	47,5	50	46	41
RSWD-35LR11/4			101312	35	11/4	45,5	35	80	35,5	20	56,5	60	55	50
RSWD-42LR11/2			101313	42	11/2	50,5	39,5	90	40,5	22	62,5	70	60	60
RSWD-06SR1/4			101314	6	1/4	23,5	16,5	32	14	12	31,5	22	19	17
RSWD-08SR1/4			101315	8	1/4	23,5	16,5	32	14	12	31,5	22	19	19
RSWD-10SR3/8		630	101316	10	3/8	26	18,5	38,5	16,5	12	35	27	24	22
RSWD-12SR3/8			101317	12	3/8	26	18,5	38,5	16,5	12	35	27	24	24
RSWD-14SR1/2	S		101318	14	1/2	31	23	46,5	21,5	14	41	32	30	27
RSWD-16SR1/2			101319	16	1/2	31	22,5	46,5	21,5	14	41	32	30	30
RSWD-20SR3/4			101320	20	3/4	36	25,5	54	24	16	47	41	36	36
RSWD-25SR1		400	101321	25	1	42,5	31,5	66,5	30,5	18	54,5	50	46	46
RSWD-30SR11/4			101322	30	11/4	49,5	36	80	35,5	20	62,5	60	55	50
RSWD-38SR11/2		315	101323	38	11/2	56,5	40,5	90	40,5	22	71,5	70	60	60

BLANKING BULLET

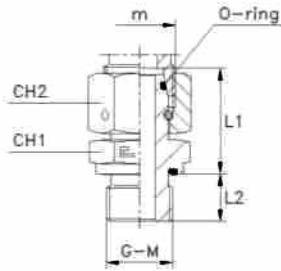
CBP



part no. code	Series	Bar	Code B	OTube	D1	L1
CBP-06L/S	L	315	107304	6	6	17
CBP-08L/S			107305	8	8	17
CBP-10L/S			107306	10	10	20
CBP-12L/S			107307	12	12	21
CBP-15L/S			107308	15	15	21
CBP-18L			107309	18	18	23
CBP-22L			107310	22	22	23
CBP-28L		160	107311	28	28	25
CBP-35L			107312	35	35	29
CBP-42L			107313	42	42	30
CBP-06L/S			107304	6	6	17
CBP-08L/S			107305	8	8	17
CBP-10L/S		630	107306	10	10	20
CBP-12L/S			107307	12	12	21
CBP-14S	S		107318	14	14	23
CBP-16S			107319	16	16	24
CBP-20S		400	107320	20	20	28
CBP-25S			107321	25	25	31
CBP-30S			107322	30	30	34
CBP-38S		315	107323	38	38	38

STUD STANDPIPE ADAPTOR

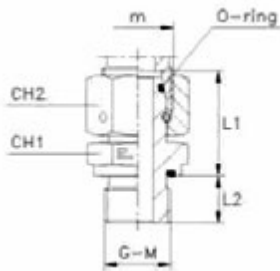
EVGE



part no. code	Series	Bar	Code B	OTube	M	G	L1	L2	CH1	CH2
EVGE-06LR1/8	L	315	600504	6	12x1,5	1/8	24,5	8	14	14
EVGE-08LR1/4			600505	8	14x1,5	1/4	29,5	12	19	17
EVGE-10LR1/4			600506	10	16x1,5	1/4	27,5	12	19	19
EVGE-12LR3/8			600507	12	18x1,5	3/8	34	12	22	22
EVGE-15LR1/2			600508	15	22x1,5	1/2	32	14	27	27
EVGE-18LR1/2			600509	18	26x1,5	1/2	31,5	14	27	32
EVGE-22LR3/4			600510	22	30x2	3/4	32,5	16	32	36
EVGE-28LR1			600511	28	36x2	1	35	18	41	41
EVGE-38LR11/4		160	600512	35	45x2	11/4	42,5	20	50	50
EVGE-42LR11/2			600513	42	52x2	11/2	46,5	22	55	60
EVGE-06SR1/4			600514	6	14x1,5	1/4	27	12	19	17
EVGE-08SR1/4			600515	8	16x1,5	1/4	29,5	12	19	19
EVGE-10SR3/8		630	600516	10	18x1,5	3/8	32,5	12	22	22
EVGE-12SR3/8			600517	12	20x1,5	3/8	34,5	12	22	24
EVGE-14SR1/2			600518	14	22x1,5	1/2	36,5	14	27	27
EVGE-16SR1/2	S		600519	16	24x1,5	1/2	37	14	27	30
EVGE-20SR3/4		400	600520	20	30x2	3/4	43	16	32	36
EVGE-25SR1			600521	25	36x2	1	48	18	41	46
EVGE-30SR11/4			600522	30	42x2	11/4	51	20	50	50
EVGE-30SR11/2		315	600523	38	52x2	11/2	60	22	55	60
EVGE-06LR1/4			600524	6	12x1,5	1/4	27	12	19	14
EVGE-10LR3/8			600525	10	16x1,5	3/8	29	12	22	19
EVGE-12LR1/4			600526	12	18x1,5	1/4	27,5	12	19	22
EVGE-12LR1/2		315	600527	12	18x1,5	1/2	30	14	27	22
EVGE-15LR3/8			600528	15	22x1,5	3/8	31,5	12	22	27
EVGE-15LR3/4	L		600529	15	22x1,5	3/4	30,5	16	32	27
EVGE-18LR1/2			600530	18	26x1,5	3/4	31,5	16	32	32
EVGE-22LR1			600531	22	30x2	1	34	18	41	36
EVGE-28LR1		160	600532	28	36x2	3/4	33,5	16	32	41
EVGE-35LR1			600533	35	45x2	1	39,5	18	41	50
EVGE-35LR11/2			600534	35	45x2	11/2	46,5	22	55	50
EVGE-06SR1/8		315	600535	6	14x1,5	1/8	24,5	8	14	17
EVGE-08SR3/8			600536	8	16x1,5	3/8	31,5	12	22	19
EVGE-10SR1/4		630	600537	10	18x1,5	1/4	30,5	12	19	22
EVGE-10SR1/2		500	600538	10	18x1,5	1/2	32	14	27	22
EVGE-12SR1/4	S	630	600539	12	20x1,5	1/4	30,5	12	19	24
EVGE-12SR1/2		400	600540	12	20x1,5	1/2	34	14	27	24
EVGE-14SR3/8		630	600541	14	22x1,5	3/8	37	12	22	27

STUD STANDPIPE ADAPTOR

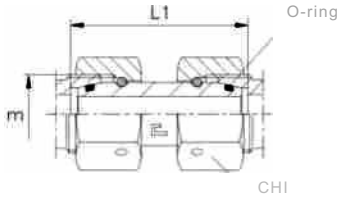
EVGE



part no. code	Series	Bar	Code B	OTube	M	G	L1	L2	CH1	CH2
EVGE-16SR3/8			600542	16	24x1,5	3/8	39,5	12	22	30
EVGE-20SR1/2			600543	20	30x2	1/2	41,5	14	27	36
EVGE-20SR1			600544	20	30x2	1	45,5	18	41	36
EVGE-25SR3/4	S	400	600545	25	36x2	1/2	42	14	32	46
EVGE-25SR11/4			600546	25	36x2	3/4	45,5	16	32	46
EVGE-30SR1			600547	25	36x2	1	48,5	20	50	46
EVGE-30SR11/4			600548	30	42x2	11/4	50,5	18	41	50
EVGE-30SR11/2		315	600549	30	42x2	11/2	58	22	55	50
EVGE-38SR11/4			600550	38	52x2	11/4	53	20	50	60

STRAIGHT FEM FEM ADAPTOR

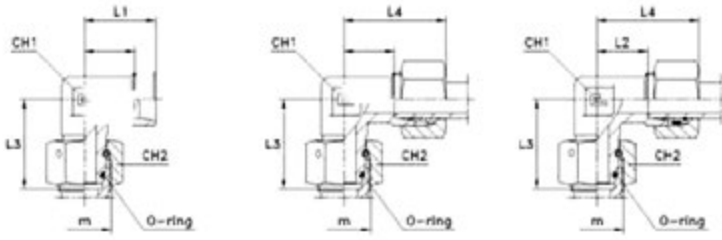
SNV



part no. code	Series	Bar	Code B	D1	D2	m D1	m D2	L1	CH1	CH2
SNV-06L	L	315	603504	6	6	12x1,5	12x1,5	40	14	14
SNV-08L			603505	8	8	14x1,5	14x1,5	40	17	17
SNV-10L			603506	10	10	16x1,5	16x1,5	40	19	19
SNV-12L			603507	12	12	18x1,5	18x1,5	40	22	22
SNV-15L			603508	15	15	22x1,5	22x1,5	44	27	27
SNV-18L			603509	18	18	26x1,5	26x1,5	43	32	32
SNV-22L			603510	22	22	30x2	30x2	50	36	36
SNV-28L		160	603511	28	28	36x2	36x2	51	41	41
SNV-35L			603512	35	35	45x2	45x2	62	50	50
SNV-42L			603513	42	42	52x2	52x2	62	60	60
SNV-06S			603514	6	6	14x1,5	14x1,5	41	17	17
SNV-08S			603515	8	8	16x1,5	16x1,5	41	19	19
SNV-10S		630	603516	10	10	18x1,5	18x1,5	44	22	22
SNV-12S			603517	12	12	20x1,5	20x1,5	45	24	24
SNV-14S			603518	14	14	22x1,5	22x1,5	49	27	27
SNV-16S	S		603519	16	16	24x1,5	24x1,5	52	30	30
SNV-20S			603520	20	20	30x2	30x2	61	36	36
SNV-25S		400	603521	25	25	36x2	36x2	68	46	46
SNV-30S			603522	30	30	42x2	42x2	74	50	50
SNV-38S		315	603523	38	38	52x2	52x2	83	60	60
SNV-06L-08L			603524	8	6	14x1,5	12x1,5	37	17	14
SNV-06L-10L			603525	10	6	16x1,5	12x1,5	36,5	19	14
SNV-06L-12L			603526	12	6	18x1,5	12x1,5	36,5	22	14
SNV-08L-10L			603527	10	8	16x1,5	14x1,5	36,5	19	17
SNV-08L-12L			603528	12	8	18x1,5	14x1,5	36,5	22	17
SNV-08L-15L		315	603529	15	8	22x1,5	14x1,5	40,5	27	17
SNV-10L-12L			603530	12	10	18x1,5	16x1,5	36	22	19
SNV-10L-15L			603531	15	10	22x1,5	16x1,5	40	27	19
SNV-10L-18L			603532	18	10	26x1,5	16x1,5	39,5	32	19
SNV-12L-15L			603533	15	12	22x1,5	18x1,5	40	27	22
SNV-12L-18L			603534	18	12	26x1,5	18x1,5	39,5	32	22
SNV-12L-22L		160	603535	22	12	30x2	18x1,5	42,5	36	22
SNV-15L-18L	L	315	603536	18	15	26x1,5	22x1,5	43,5	32	27
SNV-15L-22L			603537	22	15	30x2	22x1,5	46,5	36	27
SNV-15L-28L			603538	28	15	36x2	22x1,5	47,5	41	27
SNV-18L-22L			603539	22	18	30x2	26x1,5	46	36	32
SNV-18L-28L			603540	28	18	36x2	26x1,5	47	41	32
SNV-18L-35L			603541	35	18	45x2	26x1,5	52,5	50	32
SNV-22L-28L		160	603542	28	22	36x2	30x2	50	41	36

SWIVEL ELBOW

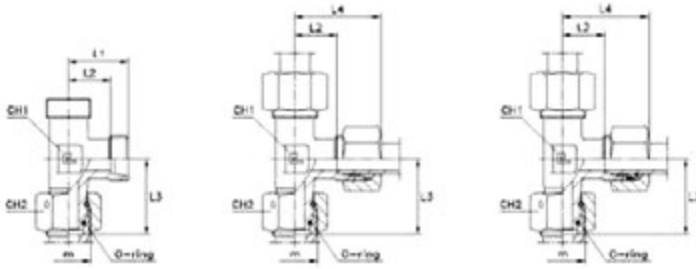
EWV



part no. code	Series	Bar	Code B	D1	D2	M D1	M D2	L1	L2	L3	L4	CH1	CH2	CH3
EWW-06L			604204	6	6	12x1,5	12x1,5	19	12	26	27	12	14	14
EWW-08L			604205	8	8	14x1,5	14x1,5	21	14	27,5	29	12	17	17
EWW-10L		315	604206	10	10	16x1,5	16x1,5	22	15	29	30	14	19	19
EWW-12L			604207	12	12	18x1,5	18x1,5	24	17	29,5	32	17	22	22
EWW-15L	L		604208	15	15	22x1,5	22x1,5	28	21	32,5	36	19	27	27
EWW-18L			604209	18	18	26x1,5	26x1,5	31	23,5	35,5	40	24	32	32
EWW-22L			604210	22	22	30x2	30x2	35	27,5	38,5	44	27	36	36
EWW-28L			604211	28	28	36x2	36x2	38	30,5	41,5	47	36	41	41
EWW-35L		160	604212	35	35	45x2	45x2	45	34,5	51,5	56	41	50	50
EWW-42L			604213	42	42	52x2	52x2	51	40	56	63	50	60	60
EWW-06S			604214	6	6	14x1,5	14x1,5	23	16	27	31	12	17	17
EWW-08S			604215	8	8	16x1,5	16x1,5	24	17	27,5	32	14	19	19
EWW-10S		630	604216	10	10	18x1,5	18x1,5	25	17,5	30,5	34	17	22	22
EWW-12S			604217	12	12	20x1,5	20x1,5	29	21,5	31,5	38	17	24	24
EWW-14S	S		604218	14	14	22x1,5	22x1,5	30	22	35	40	19	27	27
EWW-16S			604219	16	16	24x1,5	24x1,5	33	24,5	36,5	43	24	30	30
EWW-20S		400	604220	20	20	30x2	30x2	37	26,5	44,5	48	27	36	36
EWW-25S			604221	25	25	36x2	36x2	42	30	50	54	36	46	46
EWW-30S			604222	30	30	42x2	42x2	49	35,5	55,5	62	41	50	50
EWW-38S		315	604223	38	38	52x2	52x2	57	41	63	72	50	60	60

SWIVEL RUN TEE

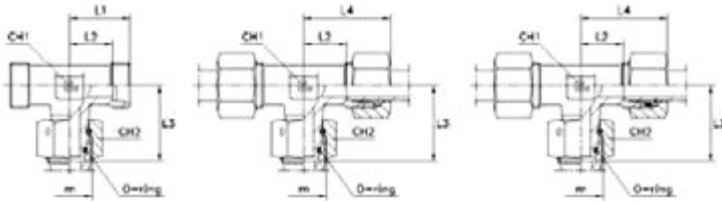
EVL



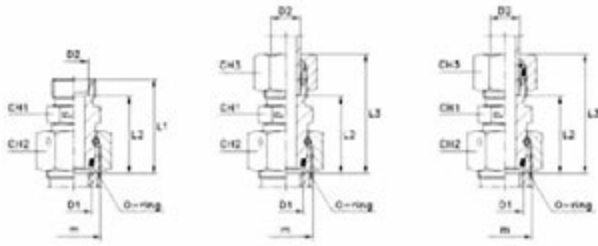
part no. code	Series	Bar	Code B	D1	D2	M D1	M D2	L1	L2	L3	L4	CH1	CH2	CH3
EVL-06L			604604	6	6	12x1,5	12x1,5	19	12	26	27	12	14	14
EVL-08L			604605	8	8	14x1,5	14x1,5	21	14	27,5	29	12	17	17
EVL-10L		315	604606	10	10	16x1,5	16x1,5	22	15	29	30	14	19	19
EVL-12L			604607	12	12	18x1,5	18x1,5	24	17	29,5	32	17	22	22
EVL-15L	L		604608	15	15	22x1,5	22x1,5	28	21	32,5	36	19	27	27
EVL-18L			604609	18	18	26x1,5	26x1,5	31	23,5	35,5	40	24	32	32
EVL-22L			604610	22	22	30x2	30x2	35	27,5	38,5	44	27	36	36
EVL-28L			604611	28	28	36x2	36x2	38	30,5	41,5	47	36	41	41
EVL-35L		160	604612	35	35	45x2	45x2	45	34,5	51,5	56	41	50	50
EVL-42L			604613	42	42	52x2	52x2	51	40	56	63	50	60	60
EVL-06S			604614	6	6	14x1,5	14x1,5	23	16	27	31	12	17	17
EVL-08S			604615	8	8	16x1,5	16x1,5	24	17	27,5	32	14	19	19
EVL-10S		630	604616	10	10	18x1,5	18x1,5	25	17,5	30,5	34	17	22	22
EVL-12S			604617	12	12	20x1,5	20x1,5	29	21,5	31,5	38	17	24	24
EVL-14S	S		604618	14	14	22x1,5	22x1,5	30	22	35	40	19	27	27
EVL-16S			604619	16	16	24x1,5	24x1,5	33	24,5	36,5	43	24	30	30
EVL-20S		400	604620	20	20	30x2	30x2	37	26,5	44,5	48	27	36	36
EVL-25S			604621	25	25	36x2	36x2	42	30	50	54	36	46	46
EVL-30S			604622	30	30	42x2	42x2	49	35,5	55,5	62	41	50	50
EVL-38S		315	604623	38	38	52x2	52x2	57	41	63	72	50	60	60

SWIVEL BRANCH TEE

EVT



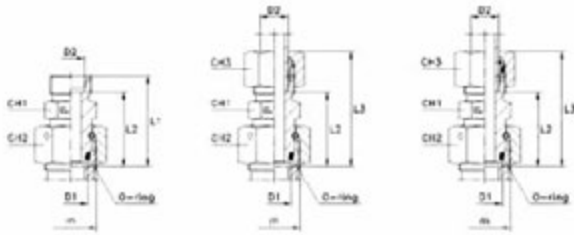
part no. code	Series	Bar	Code B	D1	D2	M D1	M D2	L1	L2	L3	L4	CH1	CH2	CH3
EVT-06L			605004	6	6	12x1,5	12x1,5	19	12	26	26	12	14	14
EVT-08L			605005	8	8	14x1,5	14x1,5	21	14	27,5	27,5	12	17	17
EVT-10L		315	605006	10	10	16x1,5	16x1,5	22	15	29	29	14	19	19
EVT-12L			605007	12	12	18x1,5	18x1,5	24	17	29,5	29,5	17	22	22
EVT-15L	L		605008	15	15	22x1,5	22x1,5	28	21	32,5	32,5	19	27	27
EVT-18L			605009	18	18	26x1,5	26x1,5	31	23,5	35,5	35,5	24	32	32
EVT-22L			605010	22	22	30x2	30x2	35	27,5	38,5	38,5	27	36	36
EVT-28L			605011	28	28	36x2	36x2	38	30,5	41,5	41,5	36	41	41
EVT-35L		160	605012	35	35	45x2	45x2	45	34,5	51,5	51,5	41	50	50
EVT-42L			605013	42	42	52x2	52x2	51	40	56	56	50	60	60
EVT-06S			605014	6	6	14x1,5	14x1,5	23	16	27	27	12	17	17
EVT-08S			605015	8	8	16x1,5	16x1,5	24	17	27,5	27,5	14	19	19
EVT-10S		630	605016	10	10	18x1,5	18x1,5	25	17,5	30,5	30,5	17	22	22
EVT-12S			605017	12	12	20x1,5	20x1,5	29	21,5	31,5	31,5	17	24	24
EVT-14S	S		605018	14	14	22x1,5	22x1,5	30	22	35	35	19	27	27
EVT-16S			605019	16	16	24x1,5	24x1,5	33	24,5	36,5	36,5	24	30	30
EVT-20S		400	605020	20	20	30x2	30x2	37	26,5	44,5	44,5	27	36	36
EVT-25S			605021	25	25	36x2	36x2	42	30	50	50	36	46	46
EVT-30S			605022	30	30	42x2	42x2	49	35,5	55,5	55,5	41	50	50
EVT-38S		315	605023	38	38	52x2	52x2	57	41	63	63	50	60	60



REDUCER

REDVDN

part no. code	Series	Bar	Code B	D1	D2	M D1	M D2	L1	L2	L3	CH1	CH2	CH3
REDVDN-08-06L		315	605301	8	6	14x1,5	12x1,5	31	24	39	12	17	14
REDVDN-10L-06L			605302	10	6	16x1,5	12x1,5	32,5	25,5	40,5	14	19	14
REDVDN-12L-06L			605303	12	6	18x1,5	12x1,5	32,5	25,5	40,5	17	22	14
REDVDN-15L-06L			605304	15	6	22x1,5	12x1,5	35,5	28,5	43,5	19	27	14
REDVDN-18L-06L			605305	18	6	26x1,5	12x1,5	36,5	29,5	44,5	24	32	14
REDVDN-22L-06L			605306	22	6	30x2	12x1,5	38,5	31,5	46,5	27	36	14
REDVDN-08L-06L		160	605307	28	6	36x2	12x1,5	39,5	32,5	47,5	32	41	14
REDVDN-35L-06L			605308	35	6	45x2	12x1,5	45	38	53	41	50	14
REDVDN-42L-06L			605309	42	6	52x2	12x1,5	46	39	54	50	60	14
REDVDN-10L-08L			605310	10	8	16x1,5	14x1,5	32,5	25,5	40,5	14	19	17
REDVDN-12L-08L		315	605311	12	8	18x1,5	14x1,5	32,5	25,5	40,5	17	22	17
REDVDN-15L-08L			605312	15	8	22x1,5	14x1,5	35,5	28,5	43,5	19	27	17
REDVDN-18L-08L			605313	18	8	26x1,5	14x1,5	36,5	29,5	44,5	24	32	17
REDVDN-22L-08L			605314	22	8	30x2	14x1,5	38,5	31,5	46,5	27	36	17
REDVDN-28L-08L		160	605315	28	8	36x2	14x1,5	39,5	32,5	47,5	32	41	17
REDVDN-35L-08L			605316	35	8	45x2	14x1,5	45	38	53	41	50	17
REDVDN-42L-08L			605317	42	8	52x2	14x1,5	46	39	54	50	60	17
REDVDN-12L-10L			605318	12	10	18x1,5	16x1,5	33,5	26,5	41,5	17	22	19
REDVDN-15L-10L		315	605319	15	10	22x1,5	16x1,5	36,5	29,5	44,5	19	27	19
REDVDN-18L-10L			605320	18	10	26x1,5	16x1,5	37,5	30,5	45,5	24	32	19
REDVDN-22L-10L			605321	22	10	30x2	16x1,5	39,5	32,5	47,5	27	36	19
REDVDN-28L-10L			605322	28	10	36x2	16x1,5	40,5	33,5	48,5	32	41	19
REDVDN-35L-10L		160	605323	35	10	45x2	16x1,5	46	39	54	41	50	19
REDVDN-42L-10L			605324	42	10	52x2	16x1,5	47	40	55	50	60	19
REDVDN-15L-12L	L		605325	15	12	22x1,5	18x1,5	36,5	29,5	44,5	19	27	22
REDVDN-18L-12L		315	605326	18	12	26x1,5	18x1,5	37,5	30,5	45,5	24	32	22
REDVDN-22L-12L			605327	22	12	30x2	18x1,5	39,5	32,5	47,5	27	36	22
REDVDN-28L-12L			605328	28	12	36x2	18x1,5	40,5	33,5	48,5	32	41	22
REDVDN-35L-12L		160	605329	35	12	45x2	18x1,5	46	39	54	41	50	22
REDVDN-42L-12L			605330	42	12	52x2	18x1,5	47	40	55	50	60	22
REDVDN-18L-15L		315	605331	18	15	26x1,5	22x1,5	38,5	31,5	46,5	24	32	27
REDVDN-22L-15L			605332	22	15	30x2	22x1,5	39,5	32,5	47,5	27	36	27
REDVDN-28L-15L			605333	28	15	36x2	22x1,5	41,5	34,5	49,5	32	41	27
REDVDN-35L-15L			605334	35	15	45x2	22x1,5	47	40	55	41	50	27
REDVDN-42L-15L			605335	42	15	52x2	22x1,5	48	41	56	50	60	27
REDVDN-22L-18L			605336	22	18	30x2	26x1,5	40,5	33	49,5	27	36	32
REDVDN-28L-18L			605337	28	18	36x2	26x1,5	41,5	34	50,5	32	41	32
REDVDN-35L-18L		160	605338	35	18	45x2	26x1,5	47	39,5	56	41	50	32
REDVDN-42L-18L			605339	42	18	52x2	26x1,5	48	40,5	57	50	60	32
REDVDN-28L-22L			605340	28	22	36x2	30x2	43,5	36	52,5	32	41	36

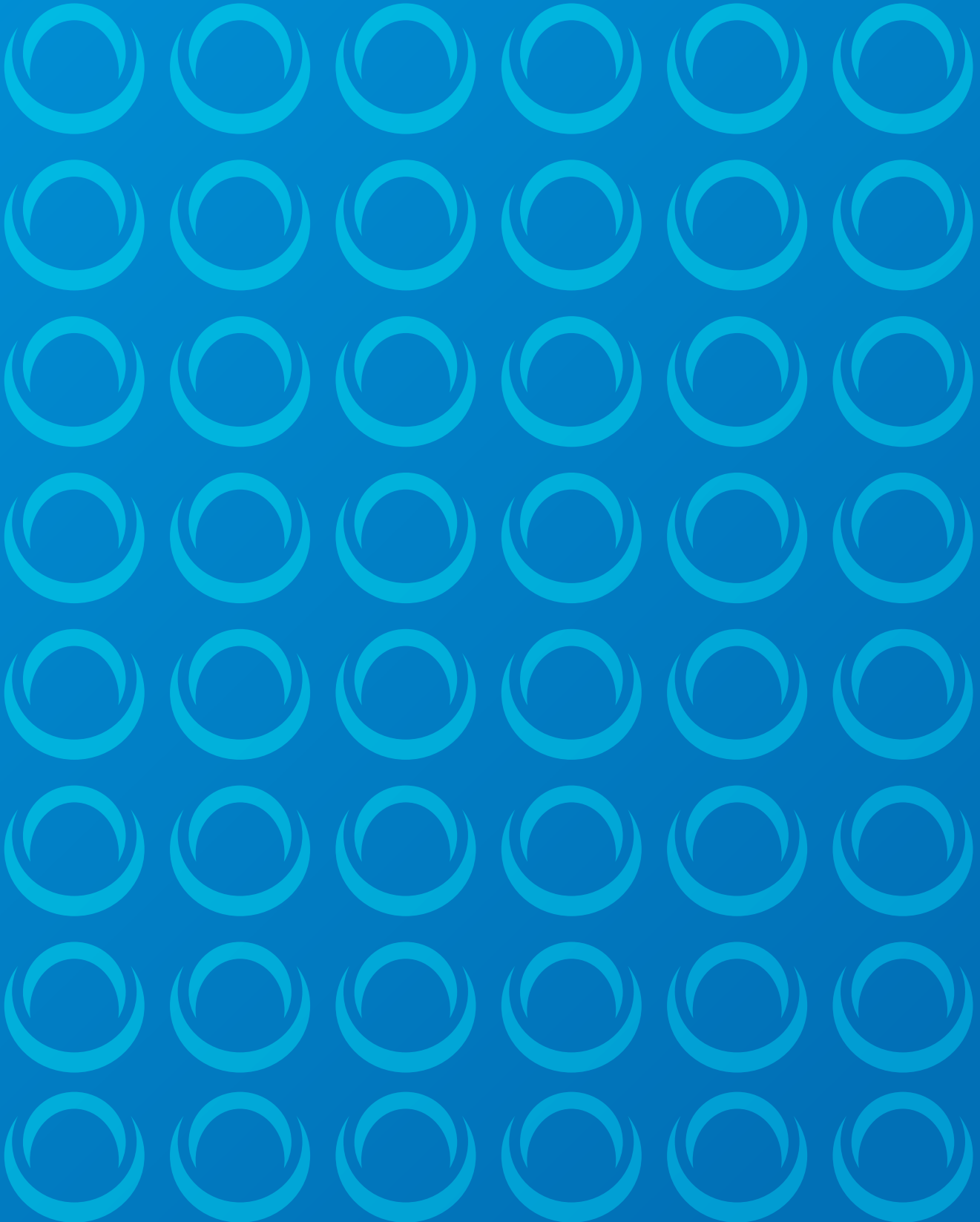


REDUCER

REDVDN

part no. code	Series	Bar	Code B	D1	D2	M D1	M D2	L1	L2	L3	CH1	CH2	CH3
REDVDN-35L-22L	L	160	605341	35	22	45x2	30x2	49	41,5	58	41	50	36
REDVDN-42L-22L			605342	42	22	52x2	30x2	50	42,5	59	50	60	36
REDVDN-35L-28L			605343	35	28	45x2	36x2	49	41,5	58	41	50	41
REDVDN-42L-28L			605344	42	28	52x2	36x2	50	42,5	59	50	60	41
REDVDN-42L-35L			605345	42	35	52x2	45x2	52	41,5	63	50	60	50
REDVDN-08S-06S			605401	8	6	16x1,5	14x1,5	36	29	44	14	19	17
REDVDN-10S-06S		630	605402	10	6	18x1,5	14x1,5	38,5	31,5	46,5	17	22	17
REDVDN-12S-06S			605403	12	6	20x1,5	14x1,5	38	31	46	17	24	17
REDVDN-16S-06S		400	605405	16	6	24x1,5	14x1,5	45,5	38,5	53,5	22	30	17
REDVDN-20S-06S			605406	20	6	30x2	14x1,5	48	41	56	27	36	17
REDVDN-10S-08S			605410	10	8	18x1,5	16x1,5	38	31	46	17	22	19
REDVDN-12S-08S		630	605411	12	8	20x1,5	16x1,5	38	31	46	17	24	19
REDVDN-14S-08S			605412	14	8	22x1,5	16x1,5	41	34	49	19	27	19
REDVDN-16S-08S			605413	16	8	24x1,5	16x1,5	45,5	38,5	53,5	22	30	19
REDVDN-20S-08S		400	605414	20	8	30x2	16x1,5	48	41	56	27	36	19
REDVDN-25S-08S			605415	25	8	36x2	16x1,5	52,5	45,5	60,5	32	46	19
REDVDN-30S-08S			605416	30	8	42x2	16x1,5	57	50	65	41	50	19
REDVDN-12S-10S			605418	12	10	0x1,5	18x1,5	38	30,5	46,5	19	24	22
REDVDN-14S-10S		630	605419	14	10	22x1,5	18x1,5	41	33,5	49,5	19	27	22
REDVDN-16S-10S			605420	16	10	24x1,5	18x1,5	45,5	38	54	22	30	22
REDVDN-20S-10S	S	400	605421	20	10	30x2	18x1,5	48	40,5	56,5	27	36	22
REDVDN-25S-10S			605422	25	10	36x2	18x1,5	52,5	45	61	32	46	22
REDVDN-14S-12S		630	605425	14	12	22x1,5	20x1,5	43	35,5	51,5	22	27	24
REDVDN-16S-12S			605426	16	12	24x1,5	20x1,5	45,5	38	54	22	30	24
REDVDN-20S-12S		400	605427	20	12	30x2	20x1,5	48	40,5	56,5	27	36	24
REDVDN-25S-12S			605428	25	12	36x2	20x1,5	52,5	45	61	32	46	24
REDVDN-30S-12S			605429	30	12	42x2	20x1,5	57	49,5	65,5	41	50	24
REDVDN-38S-12S		315	605430	38	12	52x2	20x1,5	59	51,5	67,5	50	60	24
REDVDN-16S-14S			605431	16	14	24x1,5	22x1,5	47,5	39,5	57,5	24	30	27
REDVDN-20S-14S		400	605432	20	14	30x2	22x1,5	50	42	60	27	36	27
REDVDN-25S-14S			605433	25	14	36x2	22x1,5	54,5	46,5	64,5	32	46	27
REDVDN-30S-14S		250	605434	30	14	42x2	22x1,5	59	51	69	41	50	27
REDVDN-20S-16S			605436	20	16	52x2	24x1,5	61	53	71	50	60	27
REDVDN-25S-16S		400	605437	25	16	30x2	24x1,5	54,5	46	64,5	32	46	30
REDVDN-30S-16S			605438	30	16	36x2	24x1,5	59	50,5	69	41	50	30
REDVDN-38S-16S		315	605439	38	16	42x2	24x1,5	61	52,5	71	50	60	30
REDVDN-25S-20S			605440	25	20	36x2	30x2	56,5	46	67,5	32	46	36
REDVDN-30S-20S		400	605441	30	20	42x2	30x2	61	50,5	72	41	50	36
REDVDN-38S-20S			605442	38	20	52x2	30x2	63	52,5	74	50	60	36
REDVDN-30S-25S			605443	30	25	42x2	36x2	63	51	75	41	50	46
REDVDN-38S-25S			605444	38	25	52x2	36x2	65	53	77	50	60	46
REDVDN-38S-30S		315	605445	38	30	52x2	42x2	67	53,5	80	50	60	50

Section 5 | **Pipe & Hose Clamps**



STANDARD CLAMPS. COMPLETE

SSC



Complete Clamp with Top Plate

	<i>Dimensions</i>			<i>Part no.</i>
	<i>mm</i>	<i>N.B</i>	<i>O.D</i>	
G				<i>code</i>
	6			SSC-06
	6,4		1/4"	SSC-06.4
0	8		5/16"	SSC-08
	9,5		3/8"	SSC-09.5
	10	1/8"		SSC-10
	12			SSC-12
	6			SSC-06
	6,4		1/4"	SSC-06.4
1	8		5/16"	SSC-08
	9,5		3/8"	SSC-09.5
	10	1/8"		SSC-10
	12			SSC-02
	12,7		1/2"	SSC-12.7
	13,5	1/4"		SSC-13.5
	14			SSC-14
2	15			SSC-15
	16		5/8"	SSC-16
	17,2	3/8"		SSC-17.2
	18			SSC-18
	19		3/4"	SSC-19
	20			SSC-20
	21,3	1/2"		SSC-21.3
3	22		7/8"	SSC-22
	23			SSC-23
	25			SSC-25
	25,4		1"	SSC-25.4
	26,9	3/4"		SSC-26.9
4	28			SSC-28
	30			SSC-30
	32		1 1/4"	SSC-32
	33,7	1"		SSC-33.7
5	35			SSC-35
	38		1/2"	SSC-38
	40			SSC-40
	42	1 1/4"		SSC-42

STANDARD CLAMPS. COMPLETE

SSC



Complete Clamp with Top Plate

	<i>Dimensions</i>			
	<i>mm</i>	<i>N.B</i>	<i>O.D</i>	
G				<i>Part no.</i>
				<i>code</i>
	44,5		1 ¼"	SSC-44.5
6	48,3	1 ½"		SSC-48.3
	50,8		2"	SSC-50.8
	57,2		2 ¼"	SSC-57.2
	60,3	2"		SSC-60.3
7	63,5		2 ½"	SSC-63.5
	70		2 ¾"	SSC-70
	73			SSC-73
	76,1		3"	SSC-76.1
8	88,9	3"	3 ½"	SSC-88.9
	101,6		4"	SSC-101.6



HEAVY DUTY CLAMPS. COMPLETE

HSC

	<i>Dimensions</i>			
	<i>mm</i>	<i>N.B.</i>	<i>O.D.</i>	
<i>G</i>				<i>Part no. code</i>
	6			HSC-06
	6,4		1/4"	HSC-06.4
	8		5/16"	HSC-08
	9,5		3/8"	HSC-09.5
	10	1/8"		HSC-10
	12			HSC-12
1	12,7		1/2"	HSC-12.7
	13,5	1/4"		HSC-13.5
	14			HSC-14
	15			HSC-15
	16		3/8"	HSC-16
	17,2	3/8"		HSC-17.2
	18			HSC-18
	19		3/4"	HSC-19
	20			HSC-20
	21,3	1/2"		HSC-21.3
	22		7/8"	HSC-22
2	25			HSC-25
	25,4		1"	HSC-25.4
	26,9	3/4"		HSC-26.9
	28			HSC-28
	30			HSC-30
	30			HSC-30
	32		1 1/4"	HSC-32
	33,7	1"		HSC-33.7
3	35			HSC-35
	38		1 1/2"	HSC-38
	40			HSC-40
	42	1 1/4"		HSC-42
	38		1 1/2"	HSC-38
	42	1 1/4"		HSC-42
	44,5		1 3/4"	HSC-44.5
	48,3	1 1/2"		HSC-48.3
	50,8		2"	HSC-50.8
4	55			HSC-55
	57		2 1/4"	HSC-57
	60,3	2"		HSC-60.3
	63,5		2 1/2"	HSC-63.5
	65			HSC-65
	70		2 3/4"	HSC-70

LARGER SIZES NEXT PAGE

HEAVY DUTY CLAMPS. COMPLETE

HSC



	Dimensions			Part no. code
	mm	N.B.	O.D.	
G				
	65			HSC-65
	70			HSC-70
	73		2 7/8"	HSC-73
	75		3"	HSC-75
5	76,1	2 1/2"		HSC-76.1
	80			HSC-80
	82,5		3 1/4"	HSC-82.5
	88,9	3"	3 1/2"	HSC-88.9
	90			HSC-90
	88,9	3"	3 1/2"	HSC-88.9
	100			HSC-100
	101.6	3 1/2"		HSC-101.6
6	108		4 1/2"	HSC-108
	114.3	4"		HSC-114.3
	127		5"	HSC-127
	133		5 1/4"	HSC-133
	133		5 1/4"	HSC-133
	139.7	5"		HSC-139.7
7	152.4		6"	HSC-152.4
	159		6 1/4"	HSC-159.
	165		6 1/2"	HSC-165
	168.3	6"		HSC-168.3

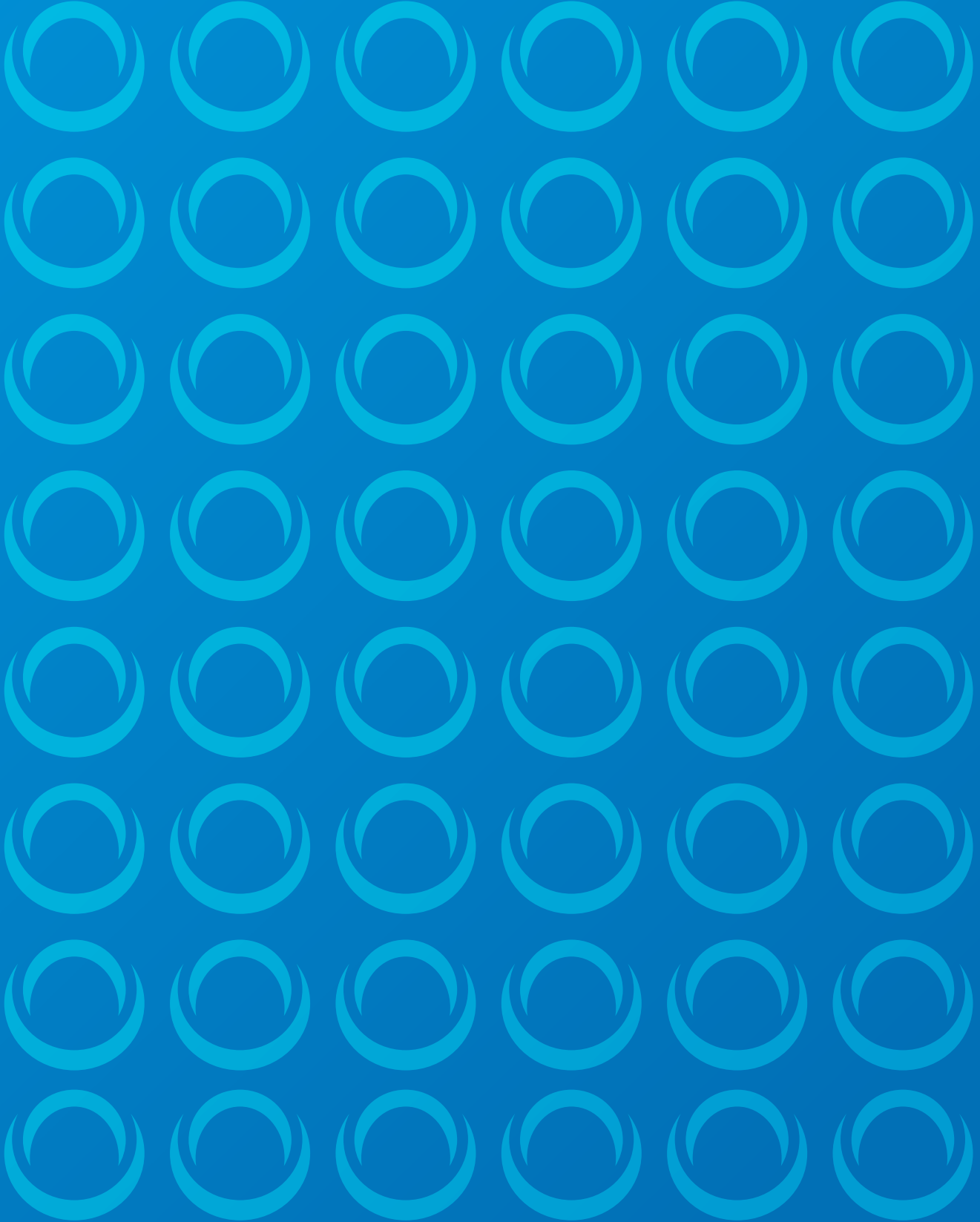
TWIN CLAMPS. COMPLETE

HSC



	Dimensions			Part no. code
	mm	N.B.	O.D.	
1	6			TSC-06
	6,4		1/4"	TSC-06.4
	8		5/16"	TSC-08
1	9,5		3/8"	TSC-09.5
	10	1/8"		TSC-10
	12			TSC-12
	12,7		1/2"	TSC-12.7
	13,5	1/4"		TSC-13.5
	14			TSC-14
	15			TSC-15
2	16		3/8"	TSC-16
	17,2	3/8"		TSC-17.2
	18			TSC-18
	19		3/4"	TSC-19
	20			TSC-20
	21,3	1/2"		TSC-21.3
3	22		7/8"	TSC-22
	23			TSC-23
	25			TSC-25
	25,4		1"	TSC-25.4
	26,9	3/4"		TSC-26.9
4	28			TSC-28
	30			TSC-30
	32		1 1/4"	TSC-32
	33,7	1"		TSC-33.7
5	35			TSC-35
	38		1 1/2"	TSC-38
	40			TSC-40
	42	1 1/4"		TSC-42

Section 6 | **Couplings & Valves**



**ISO 'A' QUICK RELEASE
COUPLINGS MALE**

6601



<i>part no. code</i>	<i>I.D. mm</i>	<i>W.P.</i>
6601-04	1/4"	350
6601-06	3/8"	300
6601-08	1/2"	250
6601-12	3/4"	250
6601-16	1"	230
6601-20	1.1/4"	230
6601-24	1.1/2"	180
6601-32	2"	130

**ISO 'A' QUICK RELEASE
COUPLINGS FEMALE**

6602



<i>part no. code</i>	<i>I.D. mm</i>	<i>W.P. mm</i>
6602-04	1/4"	350
6602-06	3/8"	300
6602-08	1/2"	250
6602-12	3/4"	250
6602-16	1"	230
6602-20	1.1/4"	230
6602-24	1.1/2"	180
6602-32	2"	130

FLAT FACE QRC MALE

7001



<i>part no. code</i>	<i>I.D. mm</i>	<i>W.P. Coupled bar</i>
7001-06	3/8"	300
7001-0608	1/2"	250
7001-12	3/4"	250
7001-16	1"	250
7001-20	1.1/4"	250
7001-24	1.1/2"	120

FLAT FACE QRC FEMALE

7002



<i>part no. code</i>	<i>I.D. mm</i>	<i>W.P. Coupled bar</i>
7002-06	3/8"	300
7002-0608	1/2"	250
7002-12	3/4"	250
7002-16	1"	250
7002-20	1.1/4"	250
7002-24	1.1/2"	120

**LOW PRESSURE
BALL VALVES**

LPBV



part no. code	Type	Thread
LPBV-04	BSP	1/4"
LPBV-06	BSP	3/8"
LPBV-08	BSP	1/2"
LPBV-12	BSP	3/4"
LPBV-16	BSP	1"
LPBV-20	BSP	1.1/4"
LPBV-24	BSP	1.1/2"
LPBV-32	BSP	2"
LPBV-40	BSP	2 1/2"
LPBV-48	BSP	3"
LPBV-64	BSP	4"

**HIGH PRESSURE
BALL VALVES**

HPBV



part no. code	Type	Thread
HPBV-04	BSP	1/4"
HPBV-06	BSP	3/8"
HPBV-08	BSP	1/2"
HPBV-12	BSP	3/4"
HPBV-16	BSP	1"
HPBV-20	BSP	1.1/4"

GATE VALVES

GV



part no. code	Type	Thread
GV-06	BSP	3/8"
GV-08	BSP	1/2"
GV-12	BSP	3/4"
GV-16	BSP	1"
GV-20	BSP	1.1/4"
GV-24	BSP	1.1/2"
GV-32	BSP	2"
GV-40	BSP	2.1/2"
GV-48	BSP	3"
GV-64	BSP	4"

FLOW CONTROL VALVES

NDV



part no. code	Type	Thread
NDV-04	BSP	1/4"
NDV-06	BSP	3/8"
NDV-08	BSP	1/2"
NDV-12	BSP	3/4"
NDV-16	BSP	1"
NDV-20	BSP	1.1/4"

SPEED CONTROL VALVES

NDRV



<i>part no. code</i>	<i>Type</i>	<i>Thread</i>
NDRV-04	BSP	1/4"
NDRV-06	BSP	3/8"
NDRV-08	BSP	1/2"
NDRV-12	BSP	3/4"
NDRV-16	BSP	1"
NDRV-20	BSP	1.1/4"

NON-RETURN VALVES

NRV



<i>part no. code</i>	<i>Type</i>	<i>Thread</i>
NRV-04	BSP	1/4"
NRV-06	BSP	3/8"
NRV-08	BSP	1/2"
NRV-12	BSP	3/4"
NRV-16	BSP	1"
NRV-20	BSP	1.1/4"
NRV-24	BSP	1.1/2"
NRV-32	BSP	2"

**ROTARY COUPLING
90 DEGREE**

SJ9



<i>part no. code</i>	<i>Type</i>	<i>Thread</i>
SJ9-04	BSP	1/4"
SJ9-06	BSP	3/8"
SJ9-08	BSP	1/2"
SJ9-12	BSP	3/4"
SJ9-16	BSP	1"
SJ9-20	BSP	1.1/4"
SJ9-24	BSP	1.1/2"
SJ9-32	BSP	2"

ROTARY COUPLING

SJ1



<i>part no. code</i>	<i>Type</i>	<i>Thread</i>
SJ1-04	BSP	1/4"
SJ1-06	BSP	3/8"
SJ1-08	BSP	1/2"
SJ1-12	BSP	3/4"
SJ1-16	BSP	1"
SJ1-20	BSP	1.1/4"
SJ1-24	BSP	1.1/2"
SJ1-32	BSP	2"

100 AIR LINE

QRC-100-CM



<i>part no. code</i>	<i>Thread</i>
QRC-100-CM-08	1/2"

100 AIR LINE

QRC-100-CF



<i>part no. code</i>	<i>Thread</i>
QRC-100-CF-06	3/8"
QRC-100-CF-08	1/2"

100 AIR LINE

QRC-100-PM



<i>part no. code</i>	<i>Thread</i>
QRC-100-PM-06	3/8"
QRC-100-PM-08	1/2"

100 AIR LINE

QRC-100-PHT



<i>part no. code</i>	<i>Thread</i>
QRC-100-PHT-06	3/8"
QRC-100-PHT-08	1/2"

SERIES 17

QRC-17-CM



<i>part no.</i> <i>code</i>	<i>Thread</i>
QRC-17-CM-04	1/4"
QRC-17-CM-06	3/8"
QRC-17-CM-08	1/2"

SERIES 17

QRC-17-CF



<i>part no.</i> <i>code</i>	<i>Thread</i>
QRC-17-CF-04	1/4"
QRC-17-CF-06	3/8"
QRC-17-CF-08	1/2"

SERIES 17

QRC-17-CHT



<i>part no.</i> <i>code</i>	<i>Thread</i>
QRC-17-CHT-04	1/4"
QRC-17-CHT-05	5/16"
QRC-17-CHT-06	3/8"
QRC-17-CHT-08	1/2"

SERIES 17

QRC-17-PM



<i>part no.</i> <i>code</i>	<i>Thread</i>
QRC-17-PM-02	1/8"
QRC-17-PM-04	1/4"
QRC-17-PM-06	3/8"
QRC-17-PM-08	1/2"

SERIES 17

QRC-17-PF



<i>part no.</i> <i>code</i>	<i>Thread</i>
QRC-17-PF-02	1/8"
QRC-17-PF-04	1/4"
QRC-17-PF-06	3/8"
QRC-17-PF-08	1/2"

SERIES 17

QRC-17-PHT



<i>part no.</i> <i>code</i>	<i>Thread</i>
QRC-17-PHT-02	1/4"
QRC-17-PHT-04	5/16"
QRC-17-PHT-06	3/8"
QRC-17-PHT-08	1/2"

SERIES 19

QRC-19-CM



<i>part no.</i>	<i>Thread</i>
<i>code</i>	
QRC-19-CM-04	1/4"
QRC-19-CM-06	3/8"
QRC-19-CM-08	1/2"

SERIES 19

QRC-19-CF



<i>part no.</i>	<i>Thread</i>
<i>code</i>	
QRC-19-CF-04	1/4"
QRC-19-CF-06	3/8"
QRC-19-CF-08	1/2"

SERIES 19

QRC-19-CHT



<i>part no.</i>	<i>Thread</i>
<i>code</i>	
QRC-19-CHT-04	1/4"
QRC-19-CHT-05	5/16"
QRC-19-CHT-06	3/8"
QRC-19-CHT-08	1/2"

SERIES 19

QRC-19-PM



<i>part no.</i>	<i>Thread</i>
<i>code</i>	
QRC-19-PM-04	1/4"
QRC-19-PM-06	3/8"
QRC-19-PM-08	1/2"

SERIES 19

QRC-19-PF



<i>part no.</i>	<i>Thread</i>
<i>code</i>	
QRC-19-PF-04	1/4"
QRC-19-PF-06	3/8"
QRC-19-PF-08	1/2"

SERIES 19

QRC-19-PHT



<i>part no.</i>	<i>Thread</i>
<i>code</i>	
QRC-19-PHT-03	5mm
QRC-19-PHT-04	1/4"
QRC-19-PHT-05	5/16"
QRC-19-PHT-06	3/8"
QRC-19-PHT-08	1/2"

SERIES AP97

QRC-AP97-CM



<i>part no. code</i>	<i>Thread</i>
QRC-AP97-CM-04	1/4"
QRC-AP97-CM-06	3/8"

SERIES AP97

QRC-AP97-CF



<i>part no. code</i>	<i>Thread</i>
QRC-AP97-CF-04	1/4"

SERIES AP97

QRC-AP97-PM



<i>part no. code</i>	<i>Thread</i>
QRC-AP97-PM-02	1/8"
QRC-AP97-PM-04	1/4"
QRC-AP97-PM-06	3/8"
QRC-AP97-PM-08	1/2"

SERIES AP97

QRC-AP97-PF



<i>part no. code</i>	<i>Thread</i>
QRC-AP97-PF-02	1/8"
QRC-AP97-PF-04	1/4"
QRC-AP97-PF-06	3/8"
QRC-AP97-PF-08	1/2"

SERIES AP97

QRC-AP97-PHT



<i>part no. code</i>	<i>Thread</i>
QRC-AP97-PHT-04	1/4"
QRC-AP97-PHT-05	5/16"
QRC-AP97-PHT-06	3/8"
QRC-AP97-PHT-08	1/2"

SERIES 60

QRC-60-CM



<i>part no.</i>	<i>Thread</i>
<i>code</i>	
QRC-60-CM-04	1/4"
QRC-60-CM-06	3/8"
QRC-60-CM-08	1/2"

SERIES 60

QRC-60-CF



<i>part no.</i>	<i>Thread</i>
<i>code</i>	
QRC-60-CF-04	1/4"
QRC-60-CF-06	3/8"
QRC-60-CF-08	1/2"

SERIES 60

QRC-60-PM



<i>part no.</i>	<i>Thread</i>
<i>code</i>	
QRC-60-PM-04	1/4"
QRC-60-PM-06	3/8"

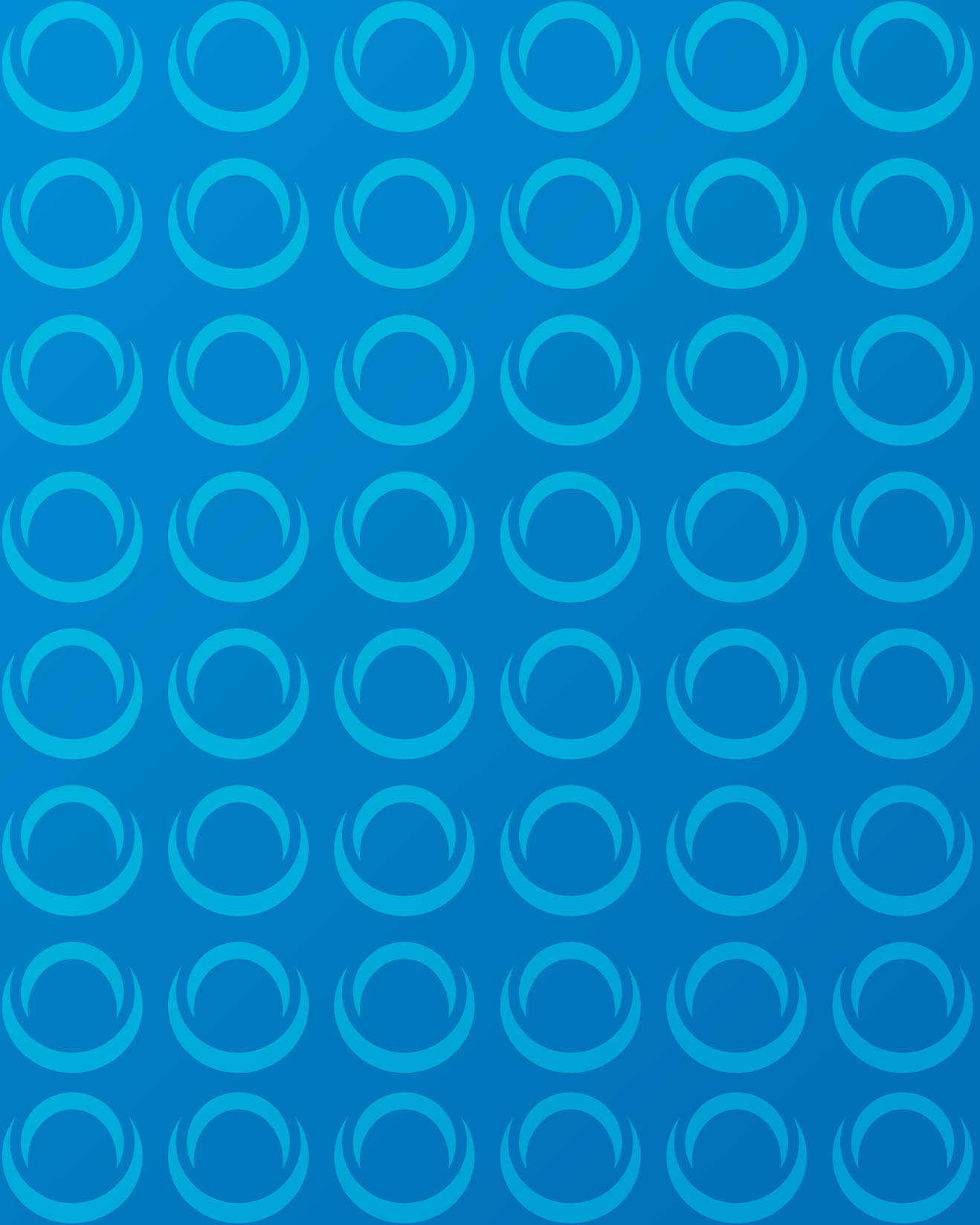
SERIES 60

QRC-60-PHT



<i>part no.</i>	<i>Thread</i>
<i>code</i>	
QRC-60-PHT-05	5/16"
QRC-60-PHT-06	3/8"

Section 7 | **Super Clamps**



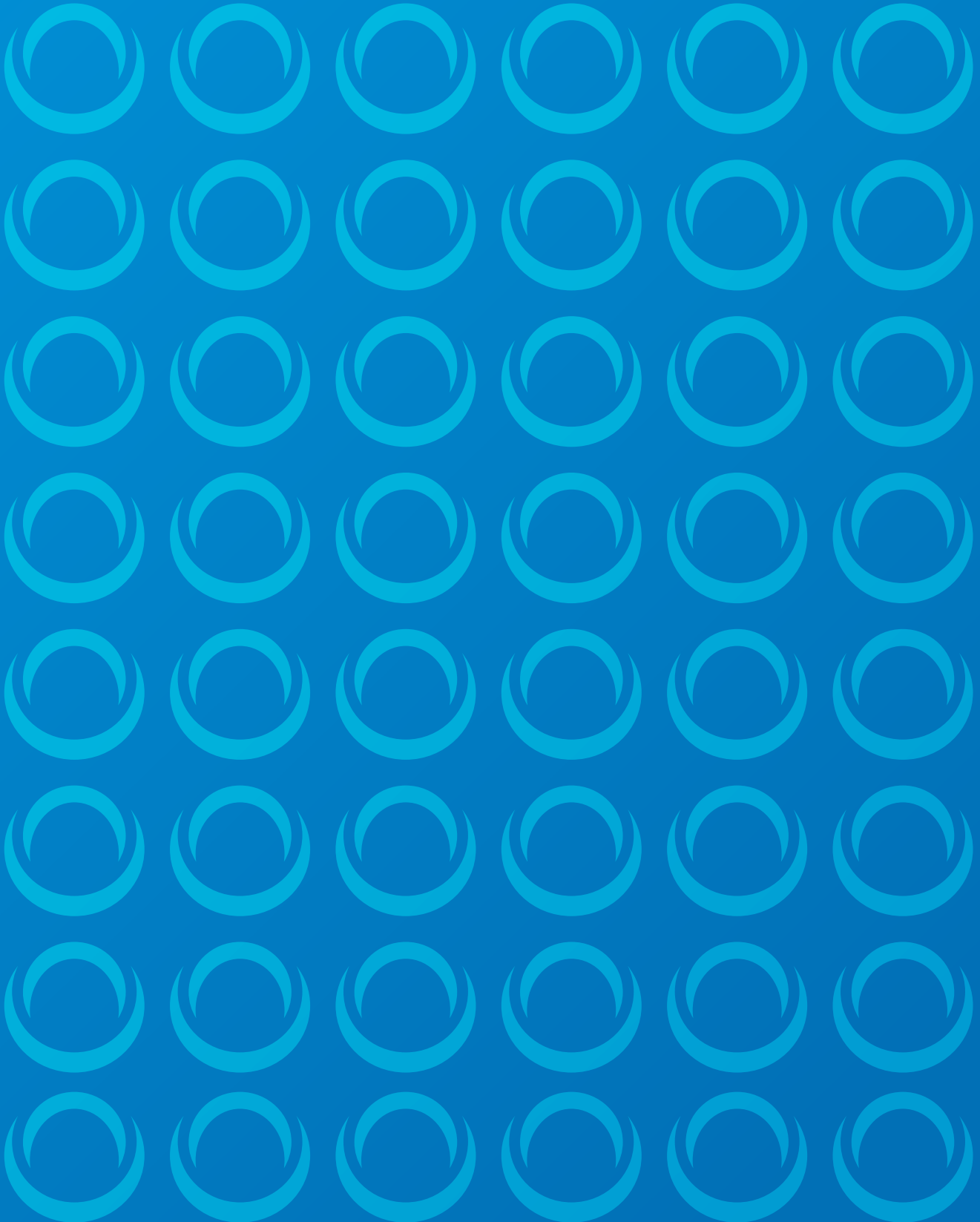
SUPER CLAMPS

SHC



<i>part no.</i>	<i>Size mm</i>
<i>code</i>	
SHC-17-19	17-19mm
SHC-19-24	19-24mm
SHC-21-23	21-23mm
SHC-23-25	23-25mm
SHC-25-27	25-27mm
SHC-27-29	27-29mm
SHC-29-31	29-31mm
SHC-31-34	31-34mm
SHC-34-37	34-37mm
SHC-37-40	37-40mm
SHC-40-43	40-43mm
SHC-43-47	43-47mm
SHC-47-51	47-51mm
SHC-51-55	51-55mm
SHC-55-59	55-59mm
SHC-59-63	59-63mm
SHC-63-68	63-68mm
SHC-68-73	68-73mm
SHC-73-79	73-79mm
SHC-79-85	79-85mm
SHC-85-91	85-91mm
SHC-91-97	91-97mm
SHC-97-104	97-104mm
SHC-104-112	104-112mm
SHC-112-121	112-121mm
SHC-121-130	121-130mm
SHC-130-140	130-140mm
SHC-140-150	140-150mm
SHC-150-162	150-162mm
SHC-162-174	162-174mm
SHC-174-187	174-187mm
SHC-187-200	187-200mm
SHC-200-213	200-213mm
SHC-213-226	213-226mm
SHC-226-239	226-239mm
SHC-239-252	239-252mm

Section 8 | **Worm Drive Hose Clips**



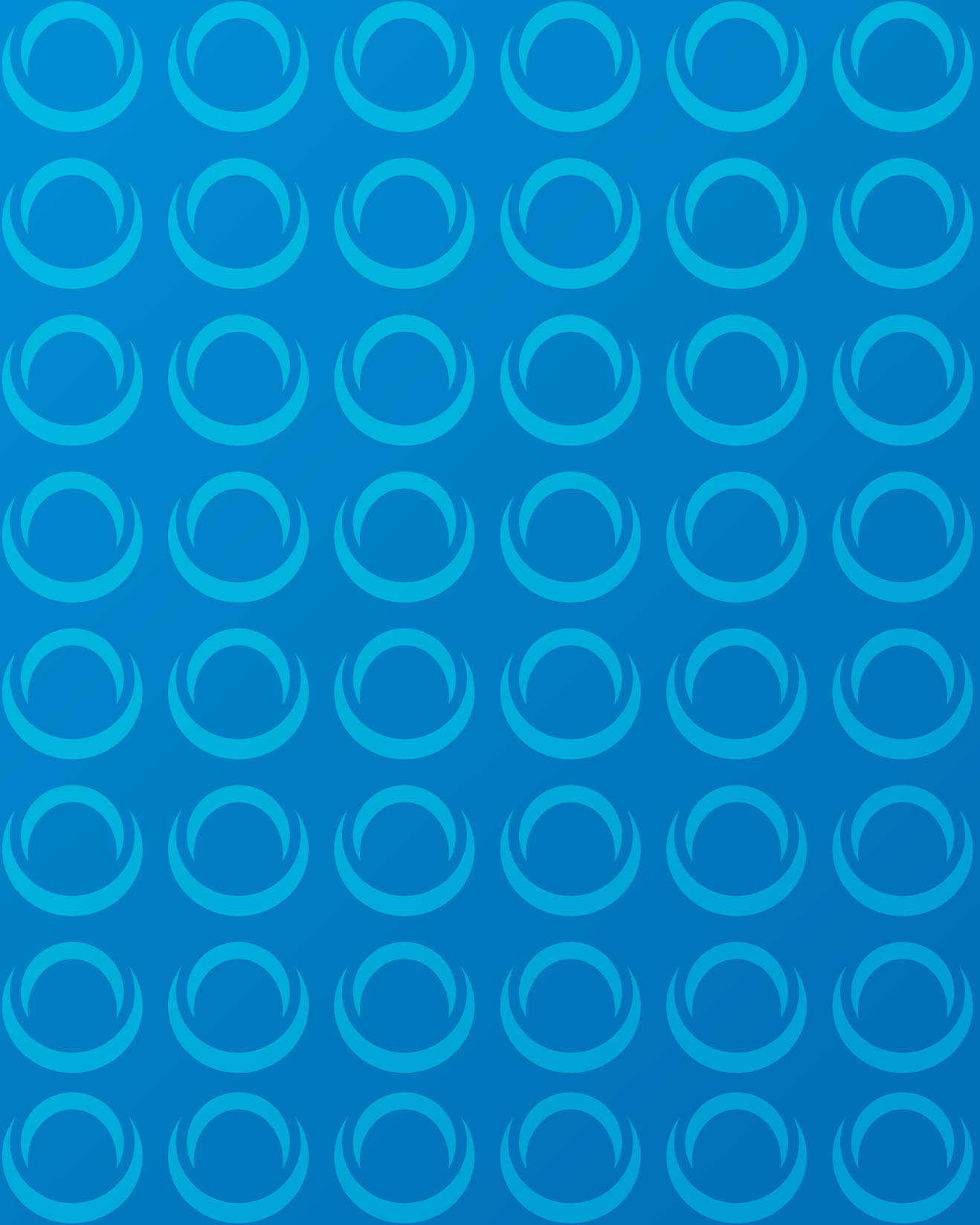
WORM DRIVE HOSE CLIPS

WDC



<i>part no. code</i>	<i>Range mm</i>
WDC-9.5-12	9.5-12mm
WDC-12-16	12-16mm
WDC-14-20	14-20mm
WDC-16-22	16-22mm
WDC-18-25	18-25mm
WDC-22-30	22-30mm
WDC-25-35	25-35mm
WDC-30-40	30-40mm
WDC-32-45	32-45mm
WDC-38-50	38-50mm
WDC-42-55	42-55mm
WDC-45-60	45-60mm
WDC-50-70	50-70mm
WDC-60-80	60-80mm
WDC-70-90	70-90mm
WDC-80-100	80-100mm
WDC-100-120	100-120mm
WDC-125-140	125-140mm
WDC-140-160	140-160mm

Section 9 | **House Sleeves and Guards**





SPRINGUARD

GSG

<i>part no. code</i>	<i>I.D mm</i>	<i>Pitch mm</i>	<i>Wire mm</i>	<i>Coil Length metres</i>
GSG-10	10	5	1.6	10
GSG-11	11	5	1.6	10
GSG-12	12	5	1.6	10
GSG-13	13	5	1.6	10
GSG-14	14	5	1.6	10
GSG-15	15	5	1.6	10
GSG-16	16	5	1.6	10
GSG-17	17	5	1.6	10
GSG-18	18	5	1.6	10
GSG-19	19	5	1.6	10
GSG-20	20	5	1.6	10
GSG-21	21	6	2.0	10
GSG-22	22	6	2.0	10
GSG-23	23	6	2.0	10
GSG-24	24	6	2.0	10
GSG-25	25	6	2.0	10
GSG-26	26	6	2.0	10
GSG-27	27	6	2.0	10
GSG-28	28	6	2.0	10
GSG-29	29	6	2.0	10
GSG-30	30	6	2.0	10
GSG-31	31	10	3.2	10
GSG-32	32	10	3.2	10
GSG-33	33	10	3.2	10
GSG-34	34	10	3.2	10
GSG-35	35	10	3.2	10
GSG-36	36	10	3.2	10
GSG-37	37	10	3.2	10
GSG-38	38	10	3.2	10
GSG-39	39	10	3.2	10
GSG-40	40	10	3.2	10
GSG-41	41	10	3.2	10
GSG-42	42	10	3.25	10
GSG-43	43	10	3.25	10
GSG-44	44	10	3.25	10
GSG-45	45	10	3.25	10
GSG-46	46	10	3.25	10
GSG-47	47	10	3.25	10
GSG-48	48	10	3.25	10



SPRINGUARD

GSG

<i>part no. code</i>	<i>I.D mm</i>	<i>Pitch mm</i>	<i>Wire mm</i>	<i>Coil Length metres</i>
GSG-49	49	10	3.25	10
GSG-50	50	10	3.25	10
GSG-51	51	10	3.25	10
GSG-52	52	10	3.25	10
GSG-53	53	10	3.25	10
GSG-54	54	10	3.25	10
GSG-55	55	10	3.25	10
GSG-56	56	10	3.25	10
GSG-57	57	10	3.25	10
GSG-58	58	10	3.25	10
GSG-59	59	10	3.25	10
GSG-60	60	10	3.25	10
GSG-61	61	12	3.25	10
GSG-62	62	12	3.25	10
GSG-63	63	12	3.25	10
GSG-64	64	12	3.25	10
GSG-65	65	12	3.25	10
GSG-66	66	12	3.25	10
GSG-67	67	12	3.25	10
GSG-68	68	12	3.25	10
GSG-69	69	12	3.25	10
GSG-70	70	12	3.25	10

FIRE SLEEVE. INDUSTRIAL GRADE PYROJACKET

FS



<i>part no.</i>	<i>Nominal Inside</i>	<i>Nominal Inside</i>
<i>code</i>	<i>Dia. inches</i>	<i>Dia. mm</i>
1001722-07	7/16"	11
1001722-10	5/8"	16
1001722-11	11-16"	18
1001722-12	3/4"	19
1001722-16	1"	25
1001722-20	1.1/4"	32
1001722-24	1.1/2"	38
1001722-26	1.5/8"	41
1001722-28	1.3/4"	44
1001722-32	2"	51
1001722-36	2.1/4"	57
1001722-44	2.3/4"	70
1001722-48	3"	76

Knitted high bulk glass fibre sleeve can withstand repeated exposures to molten steel, aluminium and molten glass up to 1650 °C.

Sheds slash immediately.

Industrial grade Pyrojacket withstands repeated exposures to molten metal, aluminium and glass up to 1650 °. The heavy coating of iron oxide red silicone rubber sheds molten metal splash immediately, so very little heat transfer occurs.

Withstands intense radiant heat and flame.

Industrial grade Pyrojacket will withstand continuous exposure to 260°C; up to 1090°C for 15-20 minutes; and up to 1650°C for 15-30 seconds. When exposed to flames, the silicone rubber transforms into a crust, creating a protective SiO2 refractory layer. Industrial Pyrojacket is constructed from high bulk glass fibre knitted sleeve. Excellent modulus of elasticity makes it an ideal choice for bundling hoses, tubes and cables in a variety of hostile environments.

PVC SPIRAL GUARD

PSG



<i>part no. code</i>	<i>I.D mm</i>	<i>Pitch mm</i>	<i>Wail mm</i>	<i>Coil Length metres</i>
PSG-06	6	6	1.25	100
PSG-10	10	6.5	1.25	100
PSG-13	13	10	1.25	50
PSG-16	16	10	1.25	50
PSG-20	20	15	1.50	50
PSG-25	26	15	1.50	50
PSG-32	32	15	1.80	50

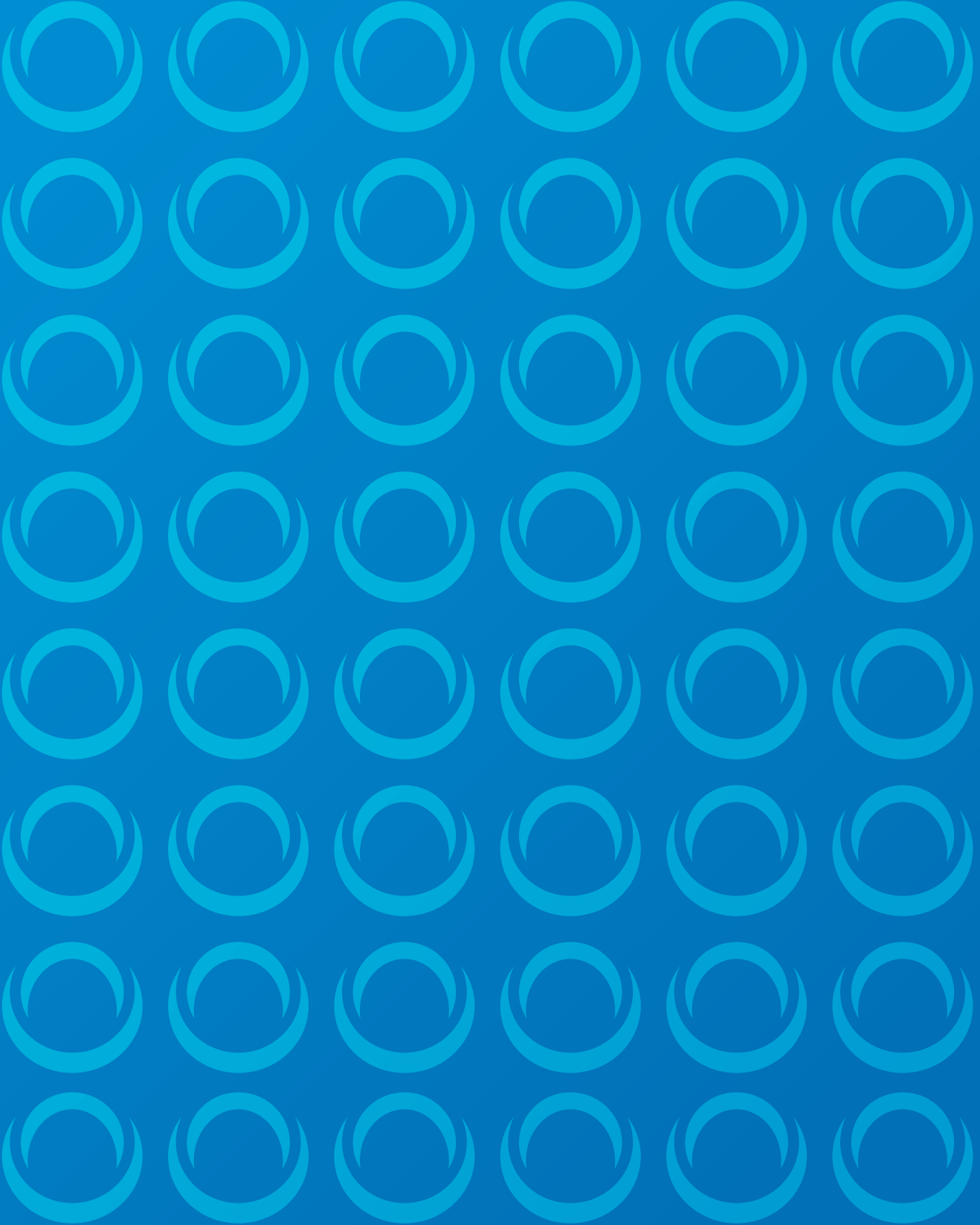


BURST PROTECTION SLEEVING

BPS

<i>part no. code</i>	<i>Round I.D. mm</i>	<i>Coil Length metres</i>
BPS-19	19	30
BPS-25	25	30
BPS-29	29	30
BPS-32	32	30
BPS-38	38	30
BPS-44	44	30
BPS-51	51	30
BPS-64	64	30

Section 10 | **Oil Hygiene and Lubrication**



ABSORBENTS



<i>part no. code</i>	<i>Description</i>
GRANX18X1	ABSORBENT GRANUELS 20 LTR
OA5141	OIL ABSORBENT PADS 40 X 50CM (100)

**JETWASH LANCE
STANDARD**

JW



<i>part no. code</i>	<i>Description</i>
JWL	STANDARD

STRAIGHT GREASE NIPPLES



<i>part no.</i>	<i>Type</i>	<i>Thread</i>
<i>code</i>		
OHL-GN-02	BSP	1/8"
OHL-GN-04	BSP	1/4"
OHL-GN-M6	METRIC	6MM
OHL-GN-M8	METRIC	8MM
OHL-GN-04-UNF	UNF	1/4"
OHL-GN-05-UNF	UNF	5/16"
OHL-GN-06-UNF	UNF	3/8"
OHL-GN-04-BSF	BSF	1/4"
OHL-GN-05-BSF	BSF	5/16"
OHL-GN-06-BSF	BSF	3/8"



SWEPT 90 GREASE NIPPLES

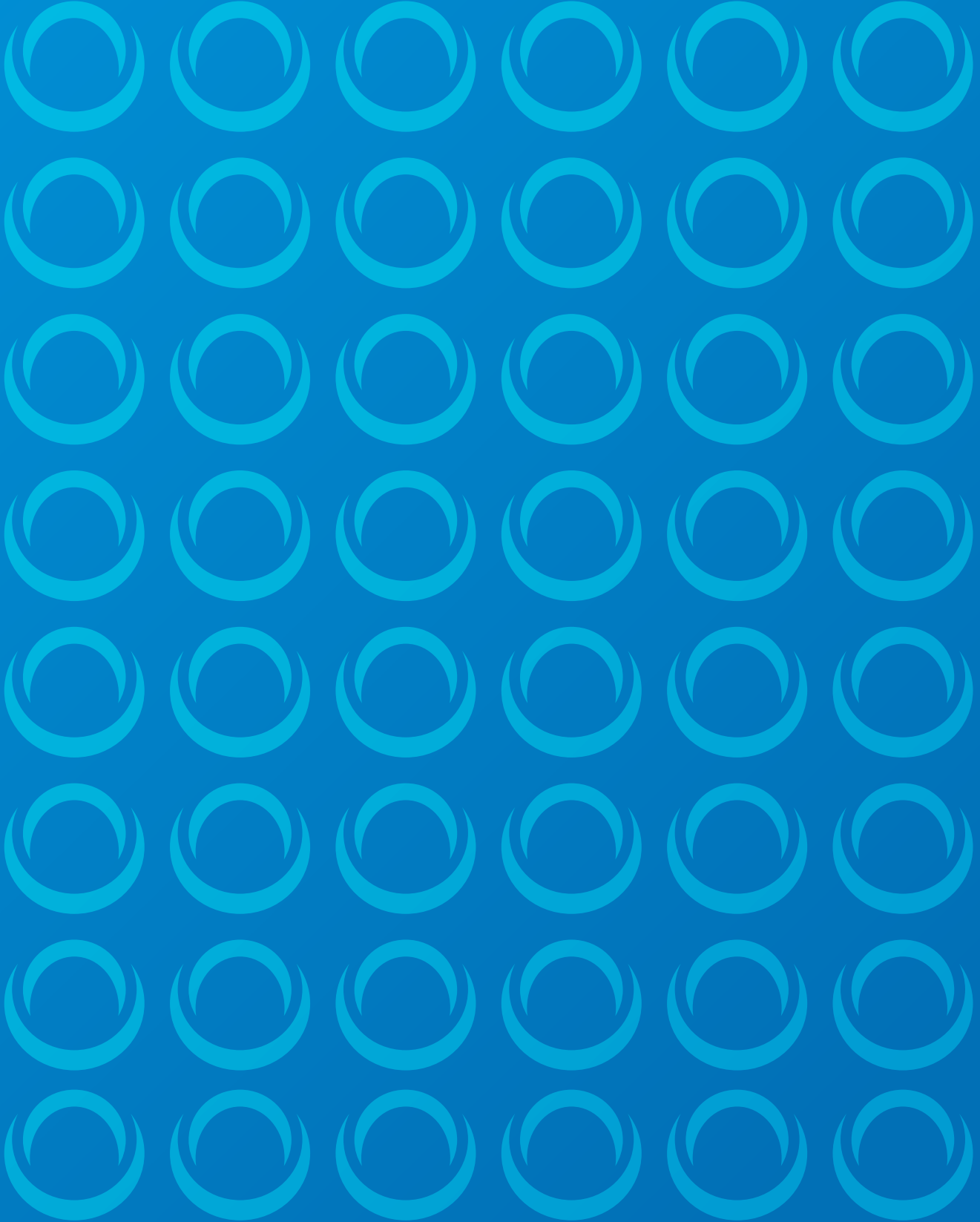
<i>part no.</i>	<i>Type</i>	<i>Thread</i>
<i>code</i>		
OHL-GN-02-90	BSP	1/8"
OHL-GN-04-90	BSP	1/4"
OHL-GN-M6-90	METRIC	6MM
OHL-GN-M8-90	METRIC	8MM
OHL-GN-04-90-UNF	UNF	1/4"
OHL-GN-05-90-UNF	UNF	5/16"
OHL-GN-06-90-UNF	UNF	3/8"
OHL-GN-04-90-BSF	BSF	1/4"
OHL-GN-05-90-BSF	BSF	5/16"
OHL-GN-06-90-BSF	BSF	3/8"

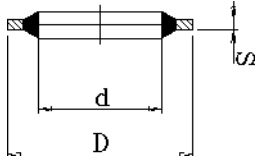


SWEPT 45 GREASE NIPPLES

<i>part no.</i>	<i>Type</i>	<i>Thread</i>
<i>code</i>		
OHL-GN-02-45	BSP	1/8"
OHL-GN-04-45	BSP	1/4"
OHL-GN-M6-45	METRIC	6MM
OHL-GN-M8-45	METRIC	8MM
OHL-GN-04-45-UNF	UNF	1/4"
OHL-GN-05-45-UNF	UNF	5/16"
OHL-GN-06-45-UNF	UNF	3/8"
OHL-GN-04-45-BSF	BSF	1/4"
OHL-GN-05-45-BSF	BSF	5/16"
OHL-GN-06-45-BSF	BSF	3/8"

Section 11 | **Seals and O-Rings**





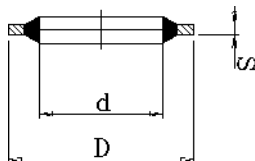
BSP BONDED SEAL SELF CENTERING

BSI

part no. code	Size	[in]	[mm]	[in]	[mm]	[in]	[mm]	box
BSI-02	1/8	0,41	10,37	0,63	15,88	0,08	2,03	100
BSI-04	1/4	0,54	13,74	0,81	20,57	0,08	2,03	100
BSI-06	3/8	0,68	17,28	0,94	23,80	0,08	2,03	100
BSI-08	1/2	0,85	21,54	1,13	28,58	0,10	2,49	100
BSI-10	5/8	0,93	23,49	1,25	31,75	0,10	2,49	100
BSI-12	3/4	1,07	27,05	1,38	34,93	0,10	2,49	100
BSI-16	1	1,34	33,89	1,69	42,80	0,13	3,38	100
BSI-20	1.1/4	1,69	42,93	2,06	52,38	0,13	3,38	100
BSI-24	1.1/2	1,91	48,44	2,31	58,60	0,13	3,38	100
BSI-32	2	2,39	60,58	2,88	73,03	0,13	3,38	100

METRIC BONDED SEAL

BSM



part no. code	Size	[in]	[mm]	[in]	3	[in]	[mm]	box
					[mm]			
BSM-10	10	0,44	11,26	0,72	18,36	0,08	2,03	100
BSM-12	12	0,50	12,70	0,71	18,00	0,06	1,50	100
BSM-14	14	0,59	14,86	0,88	22,23	0,08	2,03	100
BSM-16	16	0,65	16,51	1,00	25,40	0,08	2,03	100
BSM-18	18	0,72	18,16	1,00	25,40	0,10	2,49	100
BSM-20	20	0,85	21,54	1,13	28,58	0,10	2,49	100
BSM-22	22	0,75	18,78	1,18	30,00	0,07	2,00	100
BSM-24	24	0,81	20,60	1,26	32,04	0,07	1,97	100
BSM-26	26	1,09	27,60	1,42	36,10	0,07	2,20	100
BSM-27	27	1,12	28,50	1,41	35,90	0,11	2,76	100
BSM-28	28	1,06	27,15	1,46	37,30	0,11	2,76	100
BSM-30	30	1,22	31,04	1,53	39,04	0,08	2,20	100
BSM-38	38	1,57	40,00	2,01	51,07	0,10	2,50	100

O-RING FOR ORFS MALE

OMS



<i>part no.</i>		<i>Dimensions</i>		<i>ORFS thread</i>
<i>code</i>	<i>size</i>	[in]	[mm]	
OMS-04	4	0,29x0,07	7,65x1,78	9/16"
OMS-06	6	0,36x0,07	9,25x1,78	11/16
OMS-08	8	0,49x0,07	12,42x1,78	13/16"
OMS-10	10	0,61x0,07	15,60x1,78	1"
OMS-12	12	0,74x0,07	18,77x1,78	1.3/16"
OMS-16	16	0,92x0,07	23,52x1,78	1,7/16"
OMS-20	20	D,1,17x0,07	29,87x1,78	1,11/16"

Polyurethane Flange Seal

FSP



<i>part no.</i>		<i>Dimensions</i>	
<i>code</i>	<i>size</i>	[in]	[mm]
FSP-08	1/2"	0,29x0,07	7,65x1,78
FSP-12	3/4"	0,36x0,07	9,25x1,78
FSP-16	1"	0,49x0,07	12,42x1,78
FSP-20	1.1/4"	0,61x0,07	15,60x1,78
FSP-24	1.1/2"	0,74x0,07	18,77x1,78
FSP-32	2"	0,92x0,07	23,52x1,78



BSP BONDED SEAL SELF CENTERING

BSKI

Part No	Description
BSKI-01	Bonded Seal Assortment Kit Imperial



METRIC BONDED SEAL

BSKM

Part No	Description
BSKM-01	Bonded Seal Assortment Kit Metric



NBR ORFS Seal Kit

OOK

Part No	Description
OOK-01	NBR ORFS Seal Kit



Flange Seal Kit Polyurethane

FSKP

Part No	Description
FSKP-01	Flange Seal Kit Polyurethane



Imperial O Ring Kit

IOK

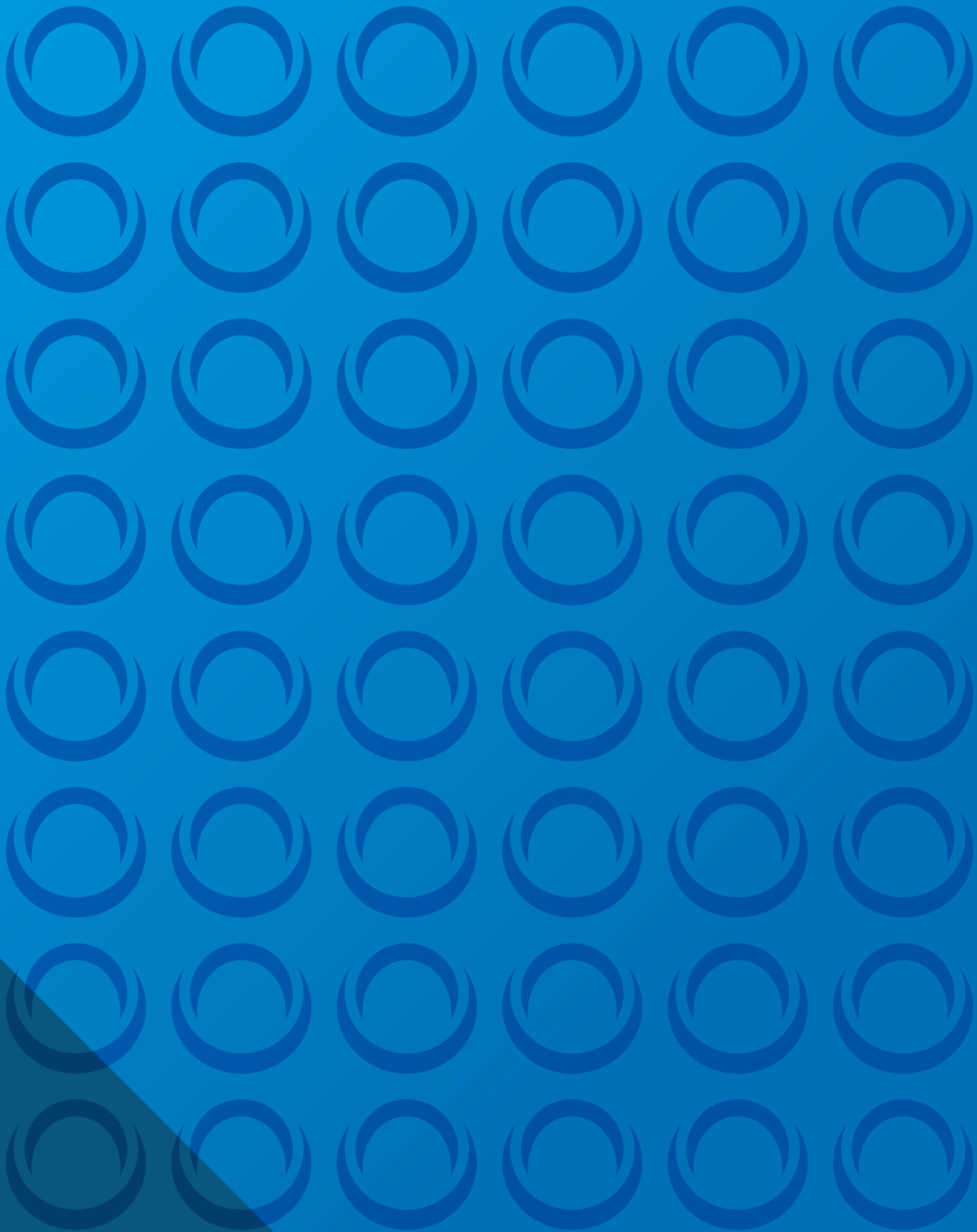
Part No	Description
IOK-01	Imperial O Ring Kit



Metric O Ring Kit

MOK

Part No	Description
MOK-01	Metric O Ring Kit



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