TRUFLOW
HYDRAULIC HOSE AND FITTINGS

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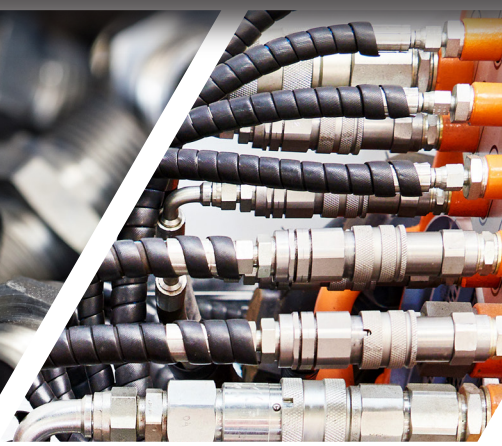
HPA HOSE PROTECTION AUSTRALIA

2024 CATALOGUE



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TRUFLOW

HYDRAULIC HOSE AND FITTINGS

About Us

Originally founded in 2004 as an importer of hydraulic hose and quick release couplings. Twenty years later we have positioned ourselves in the industry to include Gates, Hydroscand, Cejn, Gemels, Nitto, HPA Tridon, plus a full range of hydraulic adaptors, hose fittings and clamping.

With a strong fucus on the WA market and a team with a combined experience exceeding 180 years, we pride ourselves on our fast turn around time and high fill rates.

Located centrally amongst the WA freight industry and access to same day pickups, we can ship anywhere in Australia or the world with ease.

Extremely competitive prices make us one of the leading suppliers of hydraulic hose and fittings, adaptors, quick release couplings, inline valving, and clamping systems.

Service

Like it or not, if you are using hydraulic hose or industrial hose, at some point, a hose is going to break and you're going to need hose repair. The experts at Truflow Hydraulic Hose and Fittings can get you a replacement hose assembly fast so you can get back up and running FAST!

When a hose is out of commission, every minute of downtime can mean more and more lost revenue. That's why at Truflow, we pride ourselves on getting you the replacement hose you need (complete with crimping, fittings, and any other hose accessories you need). And, most importantly, getting it to you quickly.

Hose Kits.

Hose kitting management services have become increasingly important to our customers. We are offering to streamline the procurement and manufacturing processes to create a complete solution.

Our hose kit management service helps our customers manage potentially complex hose inventories. Once your custom kit has been entered into our system, we can reproduce the kit as required. Upon ordering, all of your kits can be assembled, bagged and labeled.

Maximize your productivity, streamline your assembly, and minimize downtime with Truflow hose kitting services.

TRUFLOW
HYDRAULIC HOSE AND FITTINGS

For all you hydraulic hose, fittings, adaptors quick release couplings and accessories

www.truflowhydraulic.com.au

2024V1.2 (Digital)

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A - Hydraulic Hose

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Hydraulic Hose

TRUFLOW HYDRAULIC HOSE AND FITTINGS

Low Pressure Hose

GTH | **SAE100R6 High-Temp 1-Fibre Braid**

RECOMMENDED FOR	Hydraulic oil lines, heavy-duty transmission oil cooler lines and glycol anti-freeze solutions. Meets or exceeds requirements of SAE 100R6.
TUBE	Black, specially compounded, synthetic rubber (Nitrile). See Hose Stock Characteristics.
REINFORCEMENT	One fiber braid.
COVER	Black, oil and abrasion resistant, synthetic rubber (Polychloroprene).
TEMPERATURE RANGE	For hydraulic oil lines -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	-4 to -12 - G Series - MegaCrimp® Couplings (B5)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
GTH-04	1/4	12.7	400	63.5	236
GTH-05	5/16	14.224	400	76.2	198
GTH-06	3/8	16	400	76.2	168
GTH-08	1/2	19.812	400	101.6	122
GTH-10	5/8	23.114	350	127	76
GTH-12	3/4	27.0	300	139.7	69

LOLA | **GATES LOCK-ON 1-FIBER BRAID HOSE 300PSI**

RECOMMENDED FOR	Petroleum-based hydraulic oils, water, glycol anti-freeze solutions, engine lubricating oils, and air. Lock-On hose and couplings are NOT recommended for pressure surge applications or critical applications, such as permanent piping in residential or commercial buildings. Do not use for gasoline or diesel fuels, unless approved by Gates H/C Product Application.
TUBE	Black, oil resistant, synthetic rubber highly resistant to oil and heat (Nitrile). See Hose Stock Characteristics.
REINFORCEMENT	One fiber braid.
COVER	Oil and abrasion resistant synthetic rubber (Nitrile and PVC). Available in black Polychloroprene (LOLA), blue (LOLB), green (LOLG), red (LOLR), yellow (LOLY) and gray (LOLC) colors.
TEMPERATURE RANGE	-40°F to +212°F (-40°C to +100°C). Air to +160°F (+71°C) only. For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	Push On Series (B121)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
LOLA-03	3/16	10.4	300	76.2	91
LOLA-04	1/4	11.9	300	76.2	145
LOLA-05	5/16	14	300	76.2	91
LOLA-06	3/8	16	300	76.2	91
LOLA-08	1/2	15.6	300	127	91
LOLA-08RED-MSHA	1/2	19.6	300	127	91
LOLA-10	5/8	23.9	300	152.4	76
LOLA-12	3/4	26.9	300	177.8	69
LOLA-12RED-MSHA	3/4	26.9	300	177.8	69

Black Cover Only Meets Flame Resistance Acceptance Designation "MSHA 2G".

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Hydraulic Hose

Medium Pressure Hose

CR1 | **SAE100R1 GATES PRO SERIES SMOOTH COVER**

RECOMMENDED FOR	Gates® PRO™ Series CR1 variable pressure hydraulic hoses deliver performance and reliability in a one-wire construction. Engineered for less demanding hydraulic applications, our line of professional-grade hoses are designed to balance product performance and investment for everyday uses. All sizes deliver consistent performance to SAE and EN industry specifications. Qualified with Gates® PRO™ Series and MegaCrimp® Couplings.
TUBE	Black, oil resistant, synthetic rubber tube.
REINFORCEMENT	One braid of high-tensile steel wire
COVER	Smooth, black, synthetic rubber. Meets MSHA flame resistance.
TEMPERATURE RANGE	-40 °C to +100 °C (-40 °F to +212 °F).
COUPLING RECOMMENDATION	-4 to -16 G Series - MegaCrimp® Couplings (B5)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
CR1-04	1/4	13.2	3275	102	134
CR1-06	3/8	16.8	2600	127	117
CR1-08	1/2	19.8	2325	178	101
CR1-10	5/8	23.1	1900	203	67
CR1-12	3/4	27.2	1525	241	67
CR1-16	1	35.1	1250	300	50

G1 | **SAE100R1 GATES 1-WIRE**

RECOMMENDED FOR	Medium-pressure hydraulic lines. Meets or exceeds the requirements of SAE 100R1, ISO 1436 1SNR1 and EN 853 1SN.
TUBE	Black, oil resistant, synthetic rubber (Nitrile). See Hose Stock Characteristics.
REINFORCEMENT	One braid of high-tensile steel wire.
COVER	Black, oil and abrasion resistant, synthetic rubber (Nitrile and PVC).
TEMPERATURE RANGE	-40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	-20 G Series - MegaCrimp® Couplings (B5) -20 GS Series - GlobalSpiral™ Couplings (B31) -24 to -32 GSP Series - GlobalSpiral™ Plus Couplings (B57)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
G1-20	1 1/4	43.4	925	406	37
G1-24	1 1/2	49.8	725	508	37
G1-32	2	63.8	600	635	37

Meets Flame Resistance Acceptance Designation "MSHA 2G".

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G1H — SAE100R1 GATES 1-WIRE HI-TEMP

RECOMMENDED FOR	High-temperature medium-pressure hydraulic oil lines. Meets or exceeds SAE 100R1 Type AT 2003 Revision.
TUBE	Black, oil resistant, synthetic rubber (Nitrile). See Hose Stock Characteristics.
REINFORCEMENT	One braid of high-tensile steel wire.
COVER	Black, oil and abrasion resistant, synthetic rubber.
TEMPERATURE RANGE	-40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	-6 to -16 - G Series - MegaCrimp® Couplings (B5) -4 to -16 - GS Series - GlobalSpiral™ Couplings (B31)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
G1H-04	1/4	13.5	2750	102	134
G1H-06	3/8	17.3	2250	127	117
G1H-08	1/2	20.3	2000	178	101
G1H-10	5/8	23.62	1500	203	67
G1H-12	3/4	27.7	1250	241	67
G1H-16	1	35.6	1000	305	50

Meets Flame Resistance Acceptance Designation "MSHA 2G".

C5CXH — SAE100R5 HIGH TEMP HOSE

RECOMMENDED FOR	Extremely high-temperature petroleum based or phosphate ester fluids, transmission coolant lines, hot lube oil lines, power steering, gasoline, tilt cab cylinder, air brake, turbocharger oil supply and hot lube oil lines. Meets the requirements of SAE 100R5 for hydraulic applications, SAE 1405 hot oil circulation, SAE J1402 for air brake applications, FMVSS 106-74 DOT standard and SAE J30R2 Fuel Resistance.
TUBE	Black, oil and heat-resistant synthetic polymer tube (CPE). See Hose Stock Characteristics.
REINFORCEMENT	Braided, high-tensile wire and textile.
COVER	Blue, oil and mildew resistant polyester/textile braid.
TEMPERATURE RANGE	-40°F to +302°F (-40°C to +150°C).
COUPLING RECOMMENDATION	-4 to -20 - R5 Field Attachable Couplings (B117) -4, -6, -10, C5 Field Attachable Couplings -5, -8, -12 C5X Field Attachable Coupling -5, -10 - G Series - MegaCrimp® Couplings (B5)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
4C5CXH	3/16	13.2	3000	76	134
6C5CXH	5/16	17	2250	101	117
8C5CXH	13/32	19.6	2000	116	101
10C5CXH	1/2	23.4	1750	139	84
12C5CXH	15/16	27.4	1500	165	67
16C5CXH	7/8	32.2	800	187	50
20C5CXH	1 1/8	38.1	625	228.6	37

MEGATECH500 — GATES MEGATECH High-Temp Oil-Air Return Hose (1000PSI)

RECOMMENDED FOR	Air brake hose, pressurised hot oil return lines and rotary oil/air compressor lines. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.
TUBE	Black tube specifically compounded for temperature and chemical resistance (CPE - Type J).
REINFORCEMENT	One braid of high-tensile steel wire.
COVER	Oil and mildew resistant, textile braid, impregnated with synthetic rubber.
TEMPERATURE RANGE	Petroleum-base fluids: -40°F to +212°F (-40°C to +149°C) Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	-24 to -32 GSP Series - GlobalSpiral™ Plus Couplings (B57)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Reel Length m
MEGATECH500-24	1 1/2	49.5	500	381	30
MEGATECH500-32	2	63.0	500	457.2	30
MEGATECH500-40	2 1/2	75.4	500	558.8	30
MEGATECH500-48	3	88.9	500	609.6	30

MEGATECH1000 — GATES MEGATECH High-Temp Oil-Air Return Hose (1000PSI)

RECOMMENDED FOR	Air brake hose, pressurized hot oil return lines and rotary oil/air compressor lines. Meets the requirements of DOT FMVSS 106-74, SAE J1402, for Air Brake Hose (-4, -6, -8, -10). Not recommended for gasoline or diesel fuel applications.
TUBE	Black tube specifically compounded for temperature and chemical resistance (CPE).
REINFORCEMENT	One braid of high-tensile steel wire.
COVER	Oil and mildew resistant, textile braid, impregnated with synthetic rubber.
TEMPERATURE RANGE	Petroleum-base fluids: -40°F to +212°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	-4 to -16 - G Series - MegaCrimp® Couplings (B5)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Reel Length m
MEGATECH1000-04	1/4	13.2	1000	50.8	107
MEGATECH1000-06	3/8	16.8	1000	63.5	107
MEGATECH1000-08	1/2	20.3	1000	88.9	107
MEGATECH1000-10	5/8	23.6	1000	101.6	91
MEGATECH1000-12	3/4	29.2	1000	119.4	61
MEGATECH1000-16	1	34.8	1000	152.4	46

High Pressure Hose

CR2 | **SEA100R2 GATES PRO SERIES SMOOTH COVER**

RECOMMENDED FOR	Gates® PRO™ Series CR2 variable pressure hydraulic hoses deliver performance and reliability in a two-wire construction. Engineered for less demanding hydraulic applications, our line of professional-grade hoses are designed to balance product performance and investment for everyday uses. All sizes deliver consistent performance to SAE and EN industry specifications. Qualified with Gates® PRO™ Series and MegaCrimp® Couplings. Recommended for medium pressure hydraulic with low flexure/non-flexure applications
TUBE	Black, oil resistant, synthetic rubber tube.
REINFORCEMENT	Two braid of high-tensile steel wire
COVER	Smooth, black, synthetic rubber. Meets MSHA flame resistance.
TEMPERATURE RANGE	-40 °C to +100 °C (-40 °F to +212 °F).
COUPLING RECOMMENDATION	-4 to -16 - G Series - MegaCrimp® Couplings (B5)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
CR2-04	1/4	14.5	5800	102	168
CR2-06	3/8	18.5	4800	127	122
CR2-08	1/2	21.6	4000	178	101
CR2-10	5/8	24.9	3625	203	67
CR2-12	3/4	29.0	3125	214	67
CR2-16	1	37.1	2400	305	50

G2H | **SAE100R2 GATES 2-WIRE HI-TEMP**

RECOMMENDED FOR	High-temperature high-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2, ISO 1436 2SN R2 and EN 853 2SN.
TUBE	Black, oil resistant, synthetic rubber (Nitrile).
REINFORCEMENT	Two braids of high-tensile steel wire.
COVER	Black, oil resistant, synthetic rubber (CSM). Also available with unique abrasion resistant MegaTuff® cover.
TEMPERATURE RANGE	-40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	-20 - G Series - MegaCrimp® Couplings (B5) -20 - GS Series - GlobalSpiral™ Couplings (B31) -24 to -32 - GSP Series - GlobalSpiral™ Plus Couplings (B57)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
G2H-20	1 1/4	47.2	1825	419.1	37
G2H-24	1-1/2	53.6	1300	508	37
G2H-32	2	66.5	1175	635	37

Meets Flame Resistance Acceptance Designation "MSHA 2G".

Hydraulic Hose

G2XH — SAE100R2 GATES 2-WIRE XTREME - HI-TEMP

For use on high temp air lines cover must be perforated.

RECOMMENDED FOR	Extremely high-temperature high-pressure hydraulic applications where pressure or temperature requirements exceed SAE 100R2, ISO 1436 2SN R2 and EN 853 2SN or where resistance to either petroleum-base or phosphate ester fluids is required. Meets SAE J1942 requirements.
TUBE	Black, oil and chemical resistant, synthetic rubber (CPE). See Hose Stock Characteristics.
REINFORCEMENT	Two braids of high-tensile steel wire.
COVER	Blue, oil and abrasion resistant, thin synthetic rubber (CSM).
TEMPERATURE RANGE	Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F. For water emulsions: Max. +225°F Pressure lines, Max +180°F Return lines.
COUPLING RECOMMENDATION	-4 to -20 - G Series - MegaCrimp® Couplings (B5) -6 to -20- GS Series - GlobalSpiral™ Couplings (B31) -24 to -32 GSP Series - GlobalSpiral™ Plus Couplings (B57)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
G2XH-04	1/4	15	6000	102	168
G2XH-06	3/8	18.8	5000	127	122
G2XH-08	1/2	21.8	4250	178	101
G2XH-10	5/8	25.1	3625	203	67
G2XH-12	3/4	29.2	3100	241	67
G2XH-16	1	37.6	2500	305	50
G2XH-PERFORATED 20	1 1/4	47.2	2250	419	40
G2XH-PERFORATED-24	1 1/2	54.6	1800	508	40
G2XH-PERFORATED-32	2	67.3	1500	635	40

Meets Flame Resistance Acceptance Designation "MSHA 2G".

ACP — SAE100R2AT High-Temp Textile braid

RECOMMENDED FOR	Multi-purpose high-pressure, high-temperature, air compressor lines, petroleum-base or phosphate ester hydraulic fluid supply lines. Meets or exceeds the requirements of SAE 100R2.
TUBE	Black, oil resistant, synthetic rubber (CPE).
REINFORCEMENT	Two braids of high-tensile steel wire.
COVER	Blue, oil and abrasion resistant, polyester braid.
TEMPERATURE RANGE	-40°F to +300°F (-40°C to +149°C).
COUPLING RECOMMENDATION	-20 - G Series - MegaCrimp® Couplings (B5) -24 to -32 GSP Series - GlobalSpiral™ Plus Couplings (B57)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
ACP-20	1 1/4	48	2250	381	40
ACP-24	1 1/2	54.1	1500	508	40
ACP-32	2	66.3	1300	635	40

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Hydraulic Hose

MXT | SAE100R16 GATES MEGASYS 1-Wire

MXT-XTP has all the same features as MXT, but with the addition of the XtraTuff™ Plus cover that offers 25X the abrasion resistance of standard covers, as well as enhanced ozone resistance. MXT-XTP was designed to address our customers' evolving application challenges. Using materials science and process innovation, combined with a patent-pending construction, Gates offers a hydraulic solution that is lighter, stronger, and more flexible.

RECOMMENDED FOR	High-pressure hydraulic oil lines. Meets SAE 100R16 dimensions and performance. Meets SAE 100R17 (6, 8, 10, and 12) dimension and performance. Meets SAE 100R2 performance. Meets SAE 100R19 (6, and 8) performance. MXT hose has smaller exterior dimensions, lower force to bend and significantly tighter bend radius than all SAE specs listed above.
TUBE	Black, oil resistant, synthetic rubber (Nitrile).
REINFORCEMENT	Patent-Pending, Gates-Engineered, high-tensile steel wire braid reinforcement.
COVER	Black, oil, abrasion and weather resistant, synthetic rubber (nitrile), with color coded layline.
TEMPERATURE RANGE	-40°F to +212°F (-40°C to +100°C).
COUPLING RECOMMENDATION	-4 to -16 - G Series - MegaCrimp® Couplings (B5)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
MXT-04	1/4	14.5	5800	51	168
MXT-06	3/8	17.2	4800	64	122
MXT-08	1/2	20.2	4000	70	101
MXT-10	5/8	24	3625	76	67
MXT-12	3/4	27.4	3125	121	67
MXT-16	1	35.1	2400	152	50
MXT-XTP-04	1/4	14	6000	38.1	168
MXT-XTP-06	3/8	17.1	4800	64	122
MXT-XTP-08	1/2	20.2	4000	70	101
MXT-XTP-10	5/8	24	3625	100	67
MXT-XTP-12	3/4	27.4	3125	121	67
MXT-XTP-16	1	35.1	2400	152	50

Meets Flame Resistance Acceptance Designation "MSHA 2G". Tested to Industry Leading 600,000 impulse cycles.

Multi Spiral / Very High Pressure Hose

EFG3K | SAE100R12 GATES SPIRAL WIRE (3000PSI)

RECOMMENDED FOR	Very high-pressure, high-impulse applications. Exceeds all requirements for ISO 18752 Grade D, SAE 100R12, EN 856 R12, and performance requirements of EN 856 4SP, and ISO 3862 Type R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.
TUBE	Black, oil resistant, synthetic rubber (Nitrile).
REINFORCEMENT	Four alternating layers of spiraled, high-tensile steel wire.
COVER	Black, oil resistant, synthetic rubber (Polychloroprene), with color coded layline. Also available with unique abrasion resistant MegaTuff® cover.
TEMPERATURE RANGE	-40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	-20 - GS Series - GlobalSpiral™ Couplings (B31) -24 to -32 GSP Series - GlobalSpiral™ Plus Couplings (B57)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
EFG3K-24	1 1/2	53.6	3000	254	61
EFG3K-32	2	66.8	3000	318	61

For Biodegradable Hydraulic Fluids. Meets Flame Resistance Acceptance Designation "MSHA 2G". Tested to Industry Leading 1,000,000 impulse cycles.

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B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

EFG4K — SAE100R12 GATES SPIRAL HOSE (4000PSI)

RECOMMENDED FOR	Very high-pressure, high-impulse applications. Exceeds all requirements of ISO 18752 Grade D*, SAE 100R12, EN 856 R12 and ISO 3862 Type R12. *(Sizes 3/8", 1/2" and 5/8" exceed ISO 18752 Grade D performance but does not meet OD requirements). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.
TUBE	Black, oil resistant, synthetic rubber (Nitrile).
REINFORCEMENT	Four alternating layers of spiraled, high-tensile steel wire.
COVER	Black, oil resistant, synthetic rubber (Polychloroprene), with color coded layline. Also available with unique abrasion resistant MegaTuff® or XtraTuff® covers. See Hose Stock Characteristics.
TEMPERATURE RANGE	-40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	-6 to -20 - GS Series - GlobalSpiral™ Couplings (B31)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
EFG4K-06	3/8	20.3	4000	64	91
EFG4K-08	1/2	23.9	4000	89	70
EFG4K-10	5/8	27.7	4000	102	61
EFG4K-12	3/4	30.7	4000	119	61
EFG4K-16	1	38.1	4000	152	61
EFG4K-20	1 1/4	47	4000	208	61

For Biodegradable Hydraulic Fluids. Meets Flame Resistance Acceptance Designation "MSHA 2G". Tested to Industry Leading 1,000,000 impulse cycles.

EFG6K — SAE100R15 GATES SPIRAL HOSE (6000PSI)

RECOMMENDED FOR	Extremely high-pressure, high-impulse applications such as hydrostatic transmissions. EFG6K is designed to meet or exceed all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12), EN 856 4SH (-12, -16, and -20) and ISO 3862 Type R15 (-6, -8, -10, -12, -16, -24). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.
TUBE	Black, oil resistant, synthetic rubber (Nitrile).
REINFORCEMENT	Four (six for -20, -24 and -32) alternating layers of spiraled, high-tensile steel.
COVER	Black, oil resistant, synthetic rubber (Polychloroprene), with color coded layline. Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.
TEMPERATURE RANGE	-40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	-6 to -20 - GlobalSpiral™ Couplings (B31) -24 to -32 - GSM - GlobalSpiral™ MAX Pressure Couplings (B69)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
EFG6K-06	3/8	20.3	6000	64	91
EFG6K-08	1/2	24.1	6000	89	70
EFG6K-10	5/8	27.7	6000	102	30
EFG6K-12	3/4	31.5	6000	119	61
EFG6K-16	1	38.9	6000	152	61
EFG6K-20	1 1/4	50	6000	208	61
EFG6K-24	1 1/2	57.4	6000	254	61
EFG6K-32	2	71.1	6000	635	61

For Biodegradable Hydraulic Fluids. Meets Flame Resistance Acceptance Designation "MSHA 2G". Tested to Industry Leading 1,000,000 impulse cycles.

MXG4K-XTP | SAE100R12&19 GATES MEGASYS XTRATUFF (4000PSI)

- ✓ Proprietary application of materials science and processing technology
- ✓ Exceeds performance criteria of ISO 18752 280DC, SAE 100R12, EN856 R12, and ISO 3862 R12; size -16 also rated for EN856 4S
- ✓ For inventory consolidation, also exceeds SAE 100R19
- ✓ 1,000,000 cycle impulse life exceeds industry standards (2X spiral and 5X wire braid standards) with GS couplings
- ✓ Impulse tested to the same parameters as Gates EFG4K spiral hose (pressure, temperature and bend radius)
- ✓ Compact construction with excellent flexibility and lower force-to-bend for faster and more ergonomic installation (force-to-bend is 40% better and OD is 8% smaller
- ✓ 30% lighter weight for easier handling and installation
- ✓ Gates XtraTuff™ Plus cover comes standard on MXG, providing abrasion and ozone resistance
- ✓ Utilises Gates GS GlobalSpiral™ couplings compatible with Gates Crimpers Exceeds all criteria of ISO 18752 280DC and SAE 100R19; exceeds performance criteria of SAE 100R12, EN 856 R12, ISO 3862 R12 (Size -16 also exceed 56 4SP performance requirements)

RECOMMENDED FOR	Very high-pressure, high-impulse abrasive applications. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluids.
TUBE	Black, oil resistant, synthetic rubber tube
REINFORCEMENT	Two layers of braided, high-tensile steel wire reinforcements
COVER	Black, XtraTuff™ Plus abrasion resistant, ozone resistant, synthetic rubber; smooth cover
TEMPERATURE RANGE	-40°C to +121°C (-40°F to +250°F)
COUPLING RECOMMENDATION	-6 to - 12 - G Series - MegaCrimp® Couplings (B5) -6 to -16 - GS Series - GlobalSpiral™ Couplings (B31)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Reel Length m
MXG4K-XTP-06	3/8	17.7	4060	65	101
MXG4K-XTP-08	1/2	20.7	4060	90	67
MXG4K-XTP-10	5/8	25.2	4060	100	67
MXG4K-XTP-12	3/4	28.9	4060	120	67
MXG4K-XTP-16	1	38	4060	150	50

MDG41 & FRAS Certified

MXG5K-XTP | SAE100R13&19 GATES MEGASYS XTRATUFF (5000PSI)

- ✓ Proprietary application of materials science and processing technology
- ✓ MXG 5K is 350 bar working pressure or 5075 psi in sizes 6 - 12.
- ✓ Exceeds performance criteria of ISO 18752 350DC, SAE 100R13, EN856 R13, and ISO 3862 R13; sizes -10, -12
- ✓ 1,000,000 cycle impulse life exceeds industry standards for longevity in the factory or field
- ✓ Compact construction with excellent flexibility and lower force-to-bend for faster and more ergonomic installation (force-to-bend is 25% better and OD is 5% smaller)
- ✓ 20% lighter weight for easier handling and installation
- ✓ Gates XtraTuff Plus cover comes standard on MXG, providing abrasion and ozone resistance
- ✓ Utilises Gates GS GlobalSpiral™ couplings; compatible with Gates Crimpers

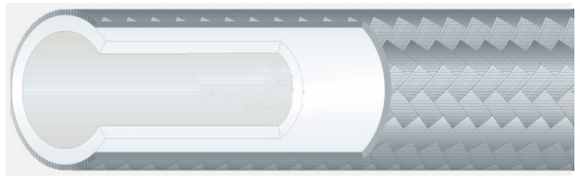
RECOMMENDED FOR	Extremely high-pressure, high-impulse abrasive applications. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluids.
TUBE	Black, oil resistant, synthetic rubber tube
REINFORCEMENT	Two layers of braided, high-tensile steel wire reinforcements
COVER	Black, XtraTuff™ Plus abrasion resistant, ozone resistant, synthetic rubber; smooth cover
TEMPERATURE RANGE	-40°C to +121°C (-40°F to +250°F)
COUPLING RECOMMENDATION	-6 to -12 - GS Series - GlobalSpiral™ Couplings (B31)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Reel Length m
MXG5K-XTP-06	3/8	18	5075	65	101
MXG5K-XTP-08	1/2	21.6	5075	90	67
MXG5K-XTP-10	5/8	26.1	5075	100	67
MXG5K-XTP-12	3/4	29.6	5075	120	67

MDG41 & FRAS Certified

PTFE Hose

STH | **SAER14 S/SBRAID TEFLON HOSE**



RECOMMENDED FOR	Air compressor discharge, hot oil and fluids, hot and greasy environments.
TUBE	Type B–Conductive black/white smooth bore Polytetrafluoroethylene (PTFE). See Hose Stock Characteristics.
REINFORCEMENT	304 grade stainless steel
COVER	The reinforcement braid serves as the outer cover
TEMPERATURE RANGE	Dynamic: -65°F to +400°F (-54°C to +204°C). Static: -65°F to +450°F (-54°C to +232°C).
COUPLING RECOMMENDATION	Crimp Fittings with CT Ferrule (B83)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
STH-04	1/4	7.9	1500	51	
STH-06	3/8	11.4	1500	102	
STH-08	1/2	14	1000	134	
STH-10	5/8	16.5	800	165	
STH-12	3/4	24.6	800	198	
STH-16	1	26.1	800	229	

Speciality Hose

RFS | **SAE100R1 GATES Red Fire Suppressant Hose**

RECOMMENDED FOR	Low-pressure powder fire suppressant applications in mining, forestry and firefighting equipment. The red cover is for easy visual identification in these applications. Meets performance requirements of SAE 100R1.
TUBE	Black, oil resistant, synthetic rubber (Nitrile).
REINFORCEMENT	One braid of high-tensile steel wire.
COVER	Red, oil and abrasion resistant (Nitrile and PVC).
TEMPERATURE RANGE	-40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.
COUPLING RECOMMENDATION	-4 to -16 - G Series - MegaCrimp® Couplings (B5)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Reel Length m
RFS-03	3/16	11.4	3000	76.2	134
RFS-04	1/4	13.5	2750	102	134
RFS-06	3/8	17.3	2250	127	91
RFS-08	1/2	20.3	2000	178	101
RFS-12	3/4	27.7	1250	241	91
RFS-16	1	35.8	1000	304	50

Meets Flame Resistance Acceptance Designation "MSHA 2G".

Hydraulic Hose

PS — SAEJ2050 GATES Power Steering Hose

RECOMMENDED FOR	Power steering pressure lines. Designed to meet requirements of SAE J2050 specifications.
TUBE	Synthetic rubber specially compounded to provide resistance to high temperatures and power steering fluid,
REINFORCEMENT	Two high strength nylon braids that resist high temperatures and allow for expansion for system noise dampening.
COVER	Black, synthetic rubber developed specifically to resist under hood environment (CSM).
TEMPERATURE RANGE	-40°F to +300°F (-40°C to +150°C).
COUPLING RECOMMENDATION	Permanent Power Steering Couplings (G50) Section S (See Crimp Data Manual 428-7365 or eCrimp)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
6PS-188	3/8	18	1500	82.6	15

J2AT — Jacking Hose (10000PSI)

RECOMMENDED FOR	Hydraulic jack applications. Meets Material Handling Institute specification IJ100 for hydraulic hose and assemblies used with jacking systems. 10,000psi Static Pressure Only.
TUBE	Black, oil resistant, synthetic rubber (Nitrile).
REINFORCEMENT	Two braids of high-tensile steel wire.
COVER	Black, oil and abrasion resistant, synthetic rubber (Nitrile and PVC). Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.
TEMPERATURE RANGE	-40°F to +120°F (-40°C to +49°C).
COUPLING RECOMMENDATION	G Series - MegaCrimp® Couplings (B5) Male Pipe Long Nose Couplings on jack end of assembly for engagement.

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Reel Length m
J2AT-04	1/4	15	10000	50.8	107
J2AT-06	3/8	18.8	10000	63.5	101

Meets Flame Resistance Acceptance Designation "MSHA 2G".

Suction / Return Hose

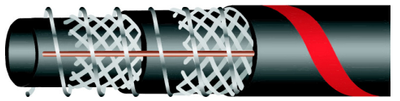
GMV-MEGAFLEX | **SAE100R4 GATES MULTI MASTER Return Line and Suction Hose**

RECOMMENDED FOR	Meets or exceeds SAE 100R4. Meets SAE J30R5 and SAE J20R5* (*except tube dimensions). Applications requiring excellent flexibility and maximum resistance to air, water, coolant, petroleum lubricating oils, and refined fuels. Ideal for hydraulic return and suction lines, transferring refined fuels or other petroleum products, and coolant lines.
TUBE	Type C (Nitrile). Black.
REINFORCEMENT	Synthetic, high tensile textile reinforcement with steel wire helix.
COVER	Type A (Polychloroprene). Black, corrugated.
TEMPERATURE RANGE	−40°F to +275°F (−40°C to +135°C). Warning: Do not convey fuels over +120°F (+49°C) and for coolant applications (20R5) max temperature is +212°F (100°C)
COUPLING RECOMMENDATION	Suction Tails (B127) -12 to -20 - G Series - MegaCrimp® Couplings (B5) -24 to -32 - GSP Series - GlobalSpiral™ Plus Couplings (B57)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
GMV-MEGAFLEX-12	3/4	30.5	350	20.32	30
GMV-MEGAFLEX-16	1	35.8	300	25.4	30
GMV-MEGAFLEX-20	1 1/4	42.2	250	33.02	30
GMV-MEGAFLEX-24	1 1/2	48.3	150	38.1	30
GMV-MEGAFLEX-32	2	60.7	150	50.8	30
GMV-MEGAFLEX-40	2 1/2	74.7	150	63.5	30
GMV-MEGAFLEX-48	3	87.4	150	76.2	30
GMV-MEGAFLEX-64	4	113.8	150	101.6	30
GMV-MEGAFLEX-96	6	166.4	150	152.4	30

Meets Flame Resistance Acceptance Designation "MSHA 2G".

TFSR | **SUCTION RETURN HOSE**



RECOMMENDED FOR	Designed for use in petroleum suction and discharge applications. Also suitable as a heavy duty wet marine exhaust hose.
TUBE	Black Nitrile Rubber Blend
REINFORCEMENT	Dual High Tensile Steel Wire Helix and a High Tensile Synthetic Braid
COVER	Black Nitrile Rubber Blend with a Red Stripe.
TEMPERATURE RANGE	-20°C to 70°C
COUPLING RECOMMENDATION	Suction Tails (B127)

Part #	Hose ID	Hose ODmm	Max WP psi	Bend	Roll Length m
TFSR-12	3/4	28	150	160	20
TFSR-16	1	35	150	200	20
TFSR-20	1 1/4	42	150	256	20
TFSR-24	1 1/2	48	150	304	20
TFSR-32	2	63	150	400	20
TFSR-40	2 1/2	77	150	504	20
TFSR-48	3	89	150	608	20
TFSR-56	3 1/2	105	150	720	20
TFSR-64	4	118	150	816	20
TFSR-96	6	170	150	1824	20

B - Hose Fittings Contents

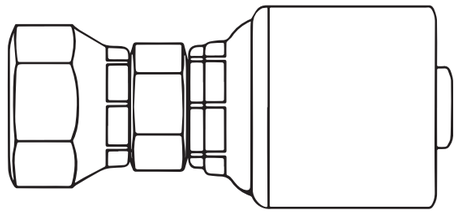
Gates Range

Gates MegaCrimp - G Series B5
Gates GlobalSpiral - GS Series B31
Gates GlobalSpiral Plus - GSP Series B57
Gates GlobalSpiral MAX - GSM Sreirs B69

Economical Range

Two Piece Crimp Tails B83
Field Attachable B109
R5 Field Attachable B117
Push Lock Tails B121
Suction Tails B127

Hose Fittings



8	F	J	X			-	8	G
1	2	3	4	5	6		7	8

1 Thread Sizes

Dash	IMPERIAL					METRIC			
	BSP / NPT / JIS (BSPP)	JIC / UNO	ORFS	SAE	FLANGE	Metric Light (L)	Metric Heavy (H)	Metric Banjo	Komatsu JIS
2	1/8								
3	3/16	3/8							
4	1/4	7/16	9/16	5/8					M14X1.5
5	5/16	1/2							
6	3/8	9/16	11/16		3/8	M12X1.5 (6L)	M14X1.5 (6S)		M18X1.5
8	1/2	3/4	13/16		1/2	M14X1.5 (8L)	M16X1.5 (8S)		M22X1.5
10	5/8	5/8	1	7/8		M16X1.5 (10L)	M18X1.5 (10S)	10.1mm	M24X1.5
12	3/4	1 1/16	1 7/16	1 1/16	3/4	M18X1.5 (12L)	M20X1.5 (12S)	12.1mm	M30X1.5
14							M22X1.5 (14S)	14mm	
15						M22X1.5 (15L)			
16	1	1 5/16	1 7/16		1		M24X1.5 (16S)	16mm	M33X1.5
18						M26X1.5 (18L)		18mm	
20	1 1/4	1 5/8	1 11/16		1 1/4		M30X2 (20S)		
22						M30X2 (22L)			
24	1 1/2	1 7/8	2		1 1/2				
25							M36X2 (25S)		
28						M36X2 (28L)			
30							M42X2 (30S)		
32	2	2 1/2			2				
35						M45X2 (35L)			M36X1.5
38							M52X2 (38S)		M42X1.5
42						M52X2 (42L)			

2 Thread Gender

F	Female
M	Male
*Omit if flage end	

3 Thread Type

B	Boss (UNO)
BSPBJ	BSP Banjo
BSPOR	BSPP (w/o-ring (female only))
BSPP	BSPP
BSPT	BSPT (without 60 cone seat)
BSPTSP	BSPT (with 60 cone seat)
DBJ	Metric Banjo
DMH	Metric Heavy (S)
DML	Metric Light (L)
FOR	ORFS (O-Ring Flat Face)
K	Komatsu (Metric JIS)
FL	Code 61 O-Ring Flange
FLC	Caterpillar O-Ring Flange
FLH	Code 62 O-Ring Flange
HLE	Hose Length Extender
J	JIC
JIS	JIS (BSP)
K	Komatsu (JIS Metric)
P	NPT
PW	Pressure Washer
S	SAE

4 Swivel

X	Swivel
*Omit if fixed	

5 Degree of Bend

22	22-1/2° Bent Tube Angle
30	30° Bent Tube Angle
45	45° Bent Tube Angle
60	60° Bent Tube Angle
67	67-1/2° Bent Tube Angle
90	90° Bent Tube Angle
110	110° Bent Tube Angle
135	135° Bent Tube Angle
*Omit if Straight	

6 Drop Length

S	Short Drop
M	Medium Drop
L	Long Drop
-###	Length of Drop EG -89 = 89MM Drop

Example of JIC

Hose Size	Short Drop mm	Medium Drop mm	Long Drop mm
-4	21	32	46
-5	21	32	46
-6	23	38	54
-8	29	41	64
-10	32	47	70
-12	48	58	96
-16	56	71	114
-20	64	78	129
-24	69	86	141
-32	88	140	222

Example of Flange Code 61 and 62

Hose Size	Short Drop mm	Medium Drop mm	Long Drop mm
-8	-	40	99
-12	-	58	133
-16	61	70	154
-20	68	90	189
-24	81	104	220
-32	120	138	275
-40	118	-	-
-48	141	-	-

7 Hose Size

4	1/4"
5	5/16"
6	3/8"
8	1/2"
10	5/8"
12	3/4"
16	1"
20	1 1/4"
24	1 1/2"
32	2"
40	2 1/2"

7 Stem Type

G	MegaCrimp - G Series
GS	GlobalSpiral - GS Series
GSM	GlobalSpiral MAX - GSM Series
GSP	GlobalSpiral MAX - GSM Series

MegaCrimp® Couplings: Any Other Coupling is a Compromise!

Have a Crimp Seal You Can Count On

The majority of hydraulic hose failures occur at the couplings due to blow-offs or leaks. Gates has designed and engineered innovative, robust couplings for MegaSys hose that provide connections you can count on for superior performance – guaranteed.

Key Features

- Robust "bite-the-wire" crimp
- Low profile
- Full-stem insertion
- Full-length crimp
- Tested to an industry-leading 1 million impulse cycles
- Simplifies inventory management
- Environmentally-friendly TuffCoat® plating for 347% better corrosion resistance SAE Standard

MegaCrimp - The Versatile "No-Weep" Coupling with the Patented "C" Insert

It's what's inside the pre-assembled MegaCrimp® coupling that gives it world-class, leak-proof performance. It is designed with a patented "C" insert, attached to the ferrule, that accommodates hose of different constructions and wall thicknesses. The insert's design ensures crimping forces are evenly distributed to form a concentric seal.
The "C" insert simplifies inventory requirements since one MegaCrimp coupling size can accommodatevarious hose outside diameters, on both one- and two-wire braid hydraulic hose.

Hose Fittings

Gates MegaCrimp – G Series

Contents

BSP MegaCrimp Tails B6
JIC MegaCrimp Tails B9
Metric MegaCrimp Tails B14
NPT MegaCrimp Tails B20
ORFS MegaCrimp Tails B22
SAE MegaCrimp Tails B25
UNO MegaCrimp Tails B27
Flanged MegaCrimp Tails B28

A Hydraulic Hose
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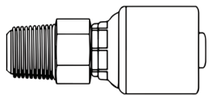
Hose Fittings

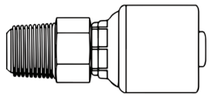
BSP MegaCrimp Tails

G-MBSPTSP — Male British Standard Pipe Tapered (BSPT - 60° Cone Seat)



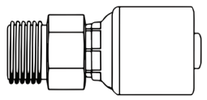
Part #	BSPT M	Hose ID	Cut Off Factor mm
2MBSPTSP-4G	1/8-28	1/4	22
4MBSPTSP-4G	1/4-19	1/4	27
6MBSPTSP-4G	3/8-19	1/4	29
6MBSPTSP-6G	3/8-19	3/8	29.1
8MBSPTSP-6G	1/2-14	3/8	36.1
8MBSPTSP-8G	1/2-14	1/2	36.5
12MBSPTSP-12G	3/4-14	3/4	34
16MBSPTSP-16G	1-11	1	43.2

G-MBSPT — Male British Standard Pipe Tapered Thread (BSPT) / JIS Tapered



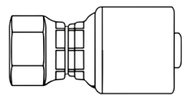
Part #	BSPT M	Hose ID	Cut Off Factor mm
10MBSPT-10G	5/8-14	5/8	32.5

G-MBSPP — Male British Standard Parallel Pipe (BSPP - 60° Cone Seat)



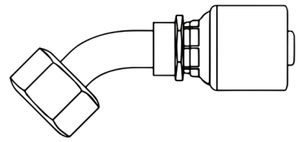
Part #	BSPP M	Hose ID	Cut Off Factor mm
4MBSPP-4G	1/4-19	1/4	25.4
4MBSPP-6G	1/4-19	3/8	27.8
6MBSPP-4G	3/8-19	1/4	27.8
6MBSPP-6G	3/8-19	3/8	27.1
6MBSPP-8G	3/8-19	1/2	26.0
8MBSPP-6G	1/2-14	3/8	32.1
8MBSPP-8G	1/2-14	1/2	31.5
10MBSPP-10G	5/8-14	5/8	34.5
12MBSPP-10G	3/4-14	5/8	36.5
12MBSPP-12G	3/4-14	3/4	39.0
16MBSPP-16G	1-11	1	44.2
20MBSPP-20G	1 1/4-11	1 1/4	51.0

G-FBSPPORX — Female British Standard Parallel Pipe O-Ring Swivel



Part #	BSPP F	Hose ID	Cut Off Factor mm
2FBSPPX-4G	1/8-28	1/4	18
4FBSPORX-4G	1/4-19	1/4	31.1
6FBSPORX-4G	3/8-19	1/4	20.6
6FBSPORX-6G	3/8-19	3/8	16.2
6FBSPORX-8G	3/8-19	1/2	29
8FBSPORX-6G	1/2-14	3/8	17.9
8FBSPORX-8G	1/2-14	1/2	17.8
10FBSPORX-8G	5/8-14	1/2	19.8
10FBSPORX-10G	5/8-14	5/8	18.5
12FBSPORX-8G	3/4-14	1/2	21.5
12FBSPORX-10G	3/4-14	5/8	20.5
12FBSPORX-12G	3/4-14	3/4	20.6
16FBSPORX-12G	1-11	3/4	22.3
16FBSPORX-16G	1-11	1	39.2
20FBSPORX-20G	1 1/4-11	1 1/4	29.5

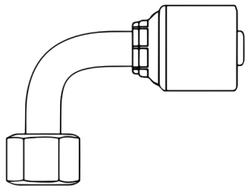
G-FBSPORX45 — Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube



Part #	BSPP F	Hose ID	Drop Length mm	Cut Off Factor mm
4FBSPORX45-4G	1/4-19	1/4	11.5	31.1
6FBSPORX45-4G	3/8-19	1/4	15.4	37.8
6FBSPORX45-6G	3/8-19	3/8	15.2	39
8FBSPORX45-6G	1/2-14	3/8	19.3	43
8FBSPORX45-8G	1/2-14	1/2	17	44
10FBSPORX45-8G	5/8-14	1/2	23	52.3
10FBSPORX45-10G	5/8-14	5/8	21.3	52.1
12FBSPORX45-10G	3/4-14	5/8	32.2	62
12FBSPORX45-12G	3/4-14	3/4	28.3	64.4
16FBSPORX45-16G	1-11	1	30.9	78.8
20FBSPORX45-20G	1 1/4-11	1 1/4	37.5	93.4

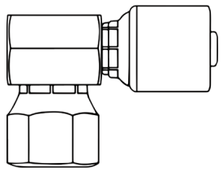
Hose Fittings

G-FBSPORX90 — Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube



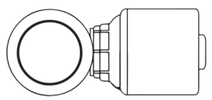
Part #	BSPP F	Hose ID	Drop Length mm	Cut Off Factor mm
4FBSPORX90-4G	1/4-19	1/4	23.3	26.5
6FBSPORX90-4G	3/8-19	1/4	32	27
6FBSPORX90-6G	3/8-19	3/8	32	34
8FBSPORX90-6G	1/2-14	3/8	37.5	32.2
8FBSPORX90-8G	1/2-14	1/2	37.3	40.5
10FBSPORX90-8G	5/8-14	1/2	46.0	42.8
10FBSPORX90-10G	5/8-14	5/8	46.0	46.6
12FBSPORX90-10G	3/4-14	5/8	60	46.6
12FBSPORX90-12G	3/4-14	3/4	60	56
16FBSPORX90-12G	1-11	3/4	70	61.2
16FBSPORX90-16G	1-11	1	70	74.3
20FBSPORX90-20G	1 1/4-11	1 1/4	80	82.8

G-FBSPORX90BL — Female British Standard Parallel Pipe O-Ring Swivel - 90° Block



Part #	BSPP F	Hose ID	Drop Length mm	Cut Off Factor mm
4FBSPORX90BL-4G	1/4-19	1/4	18.0	18.2
6FBSPORX90BL-4G	3/8-19	1/4	21.5	22
6FBSPORX90BL-6G	3/8-19	3/8	21	23
8FBSPORX90BL-6G	1/2-14	3/8	24	23.5
8FBSPORX90BL-8G	1/2-14	1/2	24	23.5
12FBSPORX-90BL-12G	3/4-14	3/4	34.5	27
16FBSPORX-90BL-16G	1-11	1	27	34.6

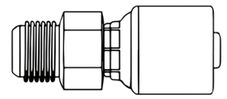
G-BSPBJ — British Std Pipe Banjo



Part #	Banjo	Hose ID	Cut Off Factor mm
4BSPBJ-4G	1/4	1/4	30.3
6BSPBJ-6G	3/8	3/8	32.4
8BSPBJ-8G	1/2	1/2	38.2
12BSPBJ-12G	3/4	3/4	43.7

JIC MegaCrimp Tails

G-MJ — Male JIC 37° Flare

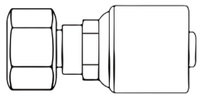


Part #	JIC M	Hose ID	Cut Off Factor mm
4MJ-4G	7/16-20	1/4	29.5
5MJ-4G	1/2-20	1/4	29.5
6MJ-4G	9/16-18	1/4	30.5
6MJ-6G	9/16-18	3/8	30.6
8MJ-6G	3/4-16	3/8	35.1
8MJ-8G	3/4-16	1/2	34.0
8MJ-10G	3/4-16	5/8	37.0
10MJ-6G	7/8-14	3/8	39.1
10MJ-8G	7/8-14	1/2	36.5
10MJ-10G	7/8-14	5/8	39.5
10MJ-12G	7/8-14	3/4	42.5
12MJ-8G	1 1/16-12	1/2	43.5
12MJ-10G	1 1/16-12	5/8	43.5
12MJ-12G	1 1/16-12	3/4	43.5
14MJ-12G	1 3/16-12	3/4	44.5
14MJ-16G	1 3/16-12	1	47.2
16MJ-12G	1 5/16-12	3/4	45.0
16MJ-16G	1 5/16-12	1	47.7
20MJ-16G	1 5/8-12	1	52.2
20MJ-20G	1 5/8-12	1 1/4	53.5
24MJ-20G	1 7/8-12	1 1/4	53.5

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

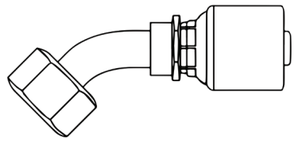
Hose Fittings

G-FJX — Female JIC 37° Flare Swivel



Part #	JIC M	Hose ID	Cut Off Factor mm
4FJX-4G	7/16-20	1/4	29.9
4FJX-6G	7/16-20	3/8	46.8
5FJX-4G	1/2-20	1/4	32.3
5FJX-6G	1/2-20	3/8	47.3
6FJX-4G	9/16-18	1/4	33.6
6FJX-6G	9/16-18	3/8	32.7
6FJXSP-8G	9/16-18	1/2	30.3
8FJX-6G	3/4-16	3/8	37.9
8FJX-8G	3/4-16	1/2	38.0
8FJXS-10G	3/4-16	5/8	36.1
8FJX-12G	3/4-16	3/4	38.1
10FJX-6G	7/8-14	3/8	41.2
10FJX-8G	7/8-14	1/2	41.3
10FJX-10G	7/8-14	5/8	42.2
10FJX-12G	7/8-14	3/4	71.0
12FJX-6G	1 1/16-12	3/8	46.0
12FJX-8G	1 1/16-12	1/2	42.5
12FJX-10G	1 1/16-12	5/8	43.9
12FJX-12G	1 1/16-12	3/4	44.0
12FJX-16G	1 1/16-12	1	45.2
14FJX-10G	1 3/16-12	5/8	48.6
14FJX-12G	1 3/16-12	3/4	45.9
16FJX-12G	1 5/16-12	3/4	46.9
16FJX-16G	1 5/16-12	1	51.0
20FJX-16G	1 5/8-12	1	58.5
20FJX-20G	1 5/8-12	1 1/4	53.3
24FJX-20G	1 7/8-12	1 1/4	64.4

G-FJX45 — Female JIC 37° Flare Swivel - 45° Bent Tube



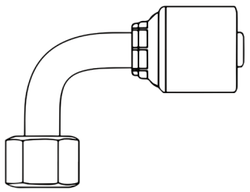
Part #	JIC F	Hose ID	Drop Length mm	Cut Off Factor mm
4FJX45S-4G	7/16-20	1/4	10.0	43.7
4FJX45S-6G	7/16-20	3/8	10.0	44.8
5FJX45-011-4G	1/2-20	1/4	11.0	39.7
6FJX45S-4G	9/16-18	1/4	11.0	42.3
6FJX45S-6G	9/16-18	3/8	11.0	49.6
8FJX45S-6G	3/4-16	3/8	15.0	61.2
8FJX45S-8G	3/4-16	1/2	15.0	49.5
10FJX45S-8G	7/8-14	1/2	16.0	59.4
10FJX45S-10G	7/8-14	5/8	16.0	59.0
10FJX45S-12G	7/8-14	3/4	19.1	65.3
12FJX45S-10G	1 1/16-12	5/8	21.0	78.5
12FJX45S-12G	1 1/16-12	3/4	21.0	78.2
12FJX45S-16G	1 1/16-12	1	21.0	82.4
16FJX45S-12G	1 5/16-12	3/4	24.0	82.1
16FJX45S-16G	1 5/16-12	1	24.0	87.5
20FJX45-035-20G	1 5/8-12	1 1/4	35.0	110.0

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

G-FJX90

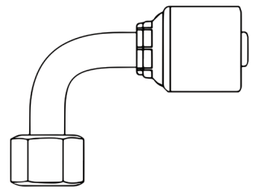
Female JIC 37° Flare Swivel - 90° Bent Tube



Part #	JIC F	Hose ID	Drop Length mm	Cut Off Factor mm
4FJX90S-4G	7/16-20	1/4	21.0	37.1
4FJX90M-4G	7/16-20	1/4	32.0	37.1
4FJX90L-4G	7/16-20	1/4	46.0	37.1
5FJX90M-4G	1/2-20	1/4	32.0	31.2
6FJX90S-4G	9/16-18	1/4	23.0	45.1
6FJX90M-4G	9/16-18	1/4	38.0	38.9
6FJX90L-4G	9/16-18	1/4	54.0	43.2
6FJX90S-6G	9/16-18	3/8	23.0	50.7
6FJX90M-6G	9/16-18	3/8	38.0	48.5
6FJX90L-6G	9/16-18	3/8	54.0	42.7
6FJX90S-8G	9/16-18	1/2	23.1	52.1
8FJX90S-6G	3/4-16	3/8	29.0	52.8
8FJX90M-6G	3/4-16	3/8	41.0	56.2
8FJX90L-6G	3/4-16	3/8	64.0	56.6
8FJX90S-8G	3/4-16	1/2	29.0	43.6
8FJX90M-8G	3/4-16	1/2	41.0	32.9
8FJX90L-8G	3/4-16	1/2	64.0	39.9
10FJX90M-6G	7/8-14	3/8	47.0	54.6
10FJX90S-8G	7/8-14	1/2	32.0	55.8
10FJX90M-8G	7/8-14	1/2	47.0	55.8
10FJX90L-8G	7/8-14	1/2	70.0	55.8
10FJX90-089-8G	7/8-14	1/2	89.0	55.3
10FJX90-036-10G	7/8-14	5/8	36.0	51.5
10FJX90M-10G	7/8-14	5/8	47.0	55.9
10FJX90L-10G	7/8-14	5/8	70.0	48.4
10FJX90M-12G	7/8-14	3/4	47.0	63.1
12FJX90S-8G	1 1/16-12	1/2	48.0	71.1
12FJX90S-10G	1 1/16-12	5/8	48.0	69.8
12FJX90M-10G	1 1/16-12	5/8	58.0	45.8
12FJX90L-10G	1 1/16-12	5/8	96.0	78.2
12FJX90S-12G	1/16-12	3/4	48.0	71.4
12FJX90M-12G	1 1/16-12	3/4	58.0	71.4
12FJX90L-12G	1 1/16-12	3/4	96.0	71.4
14FJX90-054-12G	1 3/16-12	3/4	54.0	73.0
14FJX90-100-12G	1 3/16-12	3/4	100.0	56.4
16FJX90S-12G	1 5/16-12	3/4	56.0	81.7
16FJX90M-12G	1 5/16-12	3/4	71.0	70.3
16FJX90S-16G	1 5/16-12	1	56.0	88.8
16FJX90M-16G	1 5/16-12	1	71.0	63.4
16FJX90L-16G	1 5/16-12	1	114.0	63.5

G-FJX90 Cont...

Female JIC 37° Flare Swivel - 90° Bent Tube

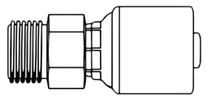


Part #	JIC F	Hose ID	Drop Length mm	Cut Off Factor mm
20FJX90S-16G	1 5/8-12	1	64.0	100.2
20FJX90M-20G	1 5/8-12	1 1/4	78.0	100.1
20FJX90-089-20G	1 5/8-12	1 1/4	89.0	98.8
20FJX90L-20G	1 5/8-12	1 1/4	129.0	99.0

Hose Fittings

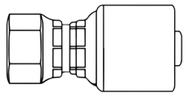
Metric MegaCrimp Tails

G-MDL — Male DIN 24° Cone - Light Series



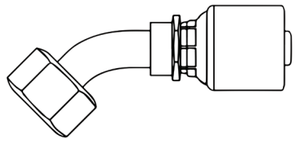
Part #	MDL M	Hose ID	Cut Off Factor mm
6MDL-4G	M12X1.5	1/4	19.8
8MDL-4G	M14X1.5	1/4	24.0
10MDL-4G	M16X1.5	1/4	25.0
10MDL-6G	M16X1.5	3/8	24.6
12MDL-6G	M18X1.5	3/8	24.6
12MDL-8G	M18X1.5	1/2	24.0
15MDL-6G	M22X1.5	3/8	23.9
15MDL-8G	M22X1.5	1/2	27.5
18MDL-8G	M26X1.5	1/2	28.0
18MDL-10G	M26X1.5	5/8	26.5
18MDL-12G	M26X1.5	3/4	27.0
22MDL-10G	M30X2.0	5/8	32.3
22MDL-12G	M30X2.0	3/4	29.0
28MDL-16G	M36X2.0	1	37.2
35MDL-20G	M45X2.0	1 1/4	40.5

G-FDLORX — Female DIN 24° Cone Swivel - Light Series with O-Ring



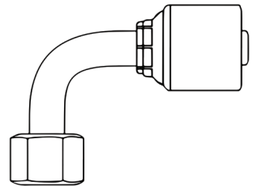
Part #	MDL F	Hose ID	Cut Off Factor mm
6FDLORX-4G	M12X1.5	1/4	28.8
8FDLORX-4G	M14X1.5	1/4	29.7
10FDLORX-4G	M16X1.5	1/4	29.3
10FDLORX-6G	M16X1.5	3/8	57.1
12FDLORX-4G	M18X1.5	1/4	29.7
12FDLORX-5G	M18X1.5	5/16	30
12FDLORX-6G	M18X1.5	3/8	27.7
12FDLORX-8G	M18X1.5	1/2	32.7
14FDLORX-6G	M20X1.5	3/8	30.1
15FDLORX-6G	M22X1.5	3/8	26.1
15FDLORX-8G	M22X1.5	1/2	29.5
18FDLORX-8G	M26X1.5	1/2	27.5
18FDLORX-10G	M26X1.5	5/8	29.5
18FDLORX-12G	M26X1.5	3/4	30.5
22FDLORX-12G	M30X2.0	3/4	32.5
28FDLORX-16G	M36X2.0	1	36.7
35FDLORX-20G	M45X2.0	1 1/4	44.1
42FDLORX-20G	M52X2.0	1 1/4	49

G-FDLORX45 — Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube



Part #	MDL F	Hose ID	Drop Length mm	Cut Off Factor mm
6FDLORX45-4G	M12X1.5	1/4	16.9	39.7
8FDLORX45-4G	M14X1.5	1/4	16.2	36.5
10FDLORX45-4G	M16X1.5	1/4	17.9	38.3
10FDLORX45-6G	M16X1.5	3/8	18.6	40.5
12FDLORX45-4G	M18X1.5	1/4	18.3	41.2
12FDLORX45-6G	M18X1.5	3/8	18.9	40.9
15FDLORX45-6G	M22X1.5	3/8	22.5	44.4
15FDLORX45-8G	M22X1.5	1/2	20.2	47.0
18FDLORX45-8G	M26X1.5	1/2	26.9	57.2
18FDLORX45-10G	M26X1.5	5/8	24.8	56.2
22FDLORX45-12G	M30X2.0	3/4	29.8	66.1
28FDLORX45-16G	M36X2.0	1	30.9	78.8
35FDLORX45-20G	M45X2.0	1 1/4	37.5	93.4

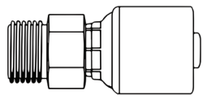
G-FDLORX90 — Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube



Part #	MDL F	Hose ID	Drop Length mm	Cut Off Factor mm
6FDLORX90-4G	M12X1.5	1/4	35	31.5
8FDLORX90-4G	M14X1.5	1/4	35	34
10FDLORX90-4G	M16X1.5	1/4	36.5	31.5
10FDLORX90-6G	M16X1.5	3/8	36.5	32.3
12FDLORX90-4G	M18X1.5	1/4	37	34.0
12FDLORX90-6G	M18X1.5	3/8	37	32.2
15FDLORX90-6G	M22X1.5	3/8	42	32.2
15FDLORX90-8G	M22X1.5	1/2	42	40.3
18FDLORX90-8G	M26X1.5	1/2	51.6	43.9
18FDLORX90-10G	M26X1.5	5/8	51.5	47.8
18FDLORX90-12G	M26X1.5	3/4	51.5	49.3
22FDLORX90-12G	M30X2.0	3/4	62	56.3
28FDLORX90-16G	M36X2.0	1	70	74.3
35FDLORX90-20G	M45X2.0	1 1/4	80	82.8

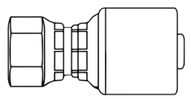
Hose Fittings

G-MDH — Male DIN 24° Cone - Heavy Series



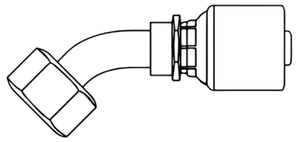
Part #	MDH M	Hose ID	Cut Off Factor mm
8MDH-4G	M16X1.5	1/4	27.0
10MDH-4G	M18X1.5	1/4	26.5
10MDH-6G	M18X1.5	3/8	27.1
12MDH-6G	M20X1.5	3/8	29.6
12MDH-8G	M20X1.5	1/2	29.0
14MDH-6G	M22X1.5	3/8	31.6
16MDH-8G	M24X1.5	1/2	31.5
20MDH-10G	M30X2.0	5/8	35.5
20MDH-12G	M30X2.0	3/4	36.0
25MDH-12G	M36X2.0	3/4	40.0
25MDH-16G	M36X2.0	1	40.4
30MDH-16G	M42X2.0	1	42.4
38MDH-20G	M52X2.0	1 1/4	49.1

G-FDHORX — Female DIN 24° Cone Swivel - Heavy Series with O-Ring



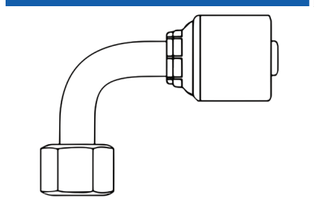
Part #	MDH F	Hose ID	Cut Off Factor mm
6FDHORX-4G	M14x1.5	1/4	24.5
8FDHORX-4G	M16X1.5	1/4	28.4
10FDHORX-4G	M18X1.5	1/4	29.3
10FDHORX-6G	M18X1.5	3/8	27.1
12FDHORX-4G	M18X1.5	1/4	29.7
12FDHORX-6G	M20X1.5	3/8	27.6
12FDHORX-8G	M20X1.5	1/2	32.7
14FDHORX-6G	M22X1.5	3/8	30.1
14FDHORX-8G	M22X1.5	1/2	30.5
16FDHORX-8G	M24X1.5	1/2	33.5
16FDHORX-10G	M24X1.5	5/8	33.5
20FDHORX-8G	M30X2.0	1/2	38.1
20FDHORX-10G	M30X2.0	5/8	35.5
20FDHORX-12G	M30X2.0	3/4	38.5
25FDHORX-12G	M36X2.0	3/4	39
25FDHORX-16G	M36X2.0	1	45.7
30FDHORX-16G	M42X2.0	1	49.2
38FDHORX-20G	M52X2.0	1 1/4	57.8

G-FDHORX45 — Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube



Part #	MDH F	Hose ID	Drop Length mm	Cut Off Factor mm
8FDHORX45-4G	M16X1.5	1/4	16.2	36.5
10FDHORX45-4G	M18X1.5	1/4	17.9	38.3
10FDHORX45-6G	M18X1.5	3/8	18.6	40.5
12FDHORX45-4G	M20X1.5	1/4	18.3	
12FDHORX45-6G	M20X1.5	3/8	18.9	40.9
14FDHORX45-6G	M22X1.5	3/8	21	43
14FDHORX45-8G	M22X1.5	1/2	27.1	53.9
16FDHORX45-8G	M24X1.5	1/2	21.6	48.4
20FDHORX45-10G	M30X2.0	5/8	24.9	55.8
25FDHORX45-12G	M36X2.0	3/4	31.2	67.6

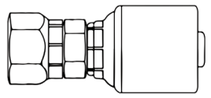
G-FDHORX90 — Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube



Part #	MDH F	Hose ID	Drop Length mm	Cut Off Factor mm
8FDHORX90-4G	M16X1.5	1/4	35.0	34.0
10FDHORX90-4G	M18X1.5	1/4	36.5	31.5
10FDHORX90-6G	M18X1.5	3/8	36.5	32.2
12FDHORX90-6G	M20X1.5	3/8	37	32.2
14FDHORX90-6G	M22X1.5	3/8	40	32.4
14FDHORX90-8G	M22X1.5	1/2	51	41.6
16FDHORX90-8G	M24X1.5	1/2	44	40.3
20FDHORX90-10G	M30X2.0	5/8	51	64.8
20FDHORX90-12G	M30X2.0	3/4	51	49.3
25FDHORX90-10G	M36X2.0	5/8	64	46.8
25FDHORX90-12G	M36X2.0	3/4	64	56.3
25FDHORX90-16G	M36X2.0	1	76	81
30FDHORX90-16G	M30X2.0	1	76	74.3
38FDHORX90-20G	M52X2.0	1 1/4	87.1	92.5

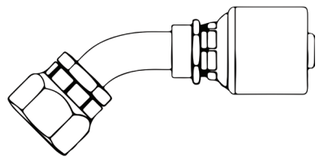
Hose Fittings
TRUFLOW HYDRAULIC HOSE AND FITTINGS

G-FKX — Female Komatsu Style Japanese Metric Swivel



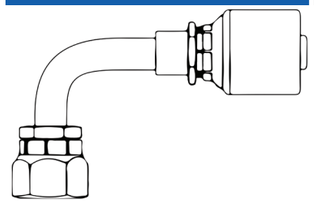
Part #	JIS	Hose ID	Cut Off Factor mm
4FKX-4G	M14X1.5	1/4	33.7
6FKX-4G	M18X1.5	1/4	36.0
6FKX-6G	M18X1.5	3/8	36.1
8FKX-8G	M22X1.5	1/2	40.6
10FKX-10G	M24X1.5	5/8	44.0
12FKX-12G	M30X1.5	3/4	49.3
16FKX-16G	M33X1.5	1	59.2
20FKX-20G	M36X1.5	1 1/4	62.0

G-FKX45 — Female Komatsu Style Japanese Metric Swivel - 45° Bent Tube



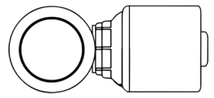
Part #	JIS	Hose ID	Drop Length mm	Cut Off Factor mm
4FKX45-4G	M14X1.5	1/4	19.1	48.3
6FKX45-6G	M18X1.5	3/8	28.0	64.4
8FKX45-8G	M22X1.5	1/2	18.0	60.3
10FKX45-10G	M24X1.5	5/8	28.0	81.8
12FKX45-12G	M30X1.5	3/4	30.0	92.2

G-FKX90 — Female Komatsu Style Japanese Metric Swivel - 90° Bent Tube



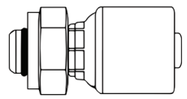
Part #	JIS	Hose ID	Drop Length mm	Cut Off Factor mm
4FKX90-4G	M14X1.5	1/4	38.0	36.7
6FKX90-6G	M18X1.5	3/8	28.0	41.2
8FKX90-8G	M22X1.5	1/2	35.0	54.7
10FKX90-10G	M24X1.5	5/8	65.3	49.5
12FKX90M-12G	M30X1.5	3/4	63.0	84.5

G-DBJ — International Thread Metric 7642 DIN Banjo



Part #	Banjo	Hose ID	Cut Off Factor mm
10DBJ-4G	10mm	1/4	26.3
12DBJ-4G	12mm	1/4	28.3
12DBJ-6G	12mm	3/8	28.1
14DBJ-6G	14mm	3/8	30.4
16DBJ-6G	16mm	3/8	32.4
18DBJ-6G	18mm	3/8	34.4
18DBJ-8G	18mm	1/2	34.7
22DBJ-10G	22mm	5/8	38.6
26DBJ-12G	26mm	3/4	43.7
30DBJ-16G	30mm	1	52.4

G-PWX — Pressure Wash Swivel

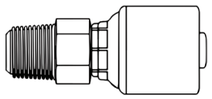


Part #	Metric	Hose ID	Cut Off Factor mm
6PWX-4G	M22X1.5	1/4	38.0
6PWX-6G	M22X1.5	3/8	38.1

Hose Fittings

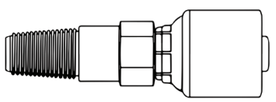
NPT MegaCrimp Tails

G-MP — Male Pipe (NPTF - 30° Cone Seat)



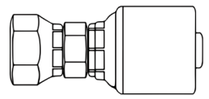
Part #	NPT M	Hose ID	Cut Off Factor mm
2MP-4G	1/8-27	1/4	23.9
4MP-4G	1/4-18	1/4	29.0
4MP-6G	1/4-18	3/8	31.0
4MP-8G	1/4-18	1/2	31.5
6MP-4G	3/8-18	1/4	29.0
6MP-6G	3/8-18	3/8	31.0
6MP-8G	3/8-18	1/2	31.5
8MP-4G	1/2-14	1/4	35.8
8MP-6G	1/2-14	3/8	36.1
8MP-8G	1/2-14	1/2	35.5
8MP-10G	1/2-14	5/8	37.5
8MP-12G	1/2-14	3/4	36.8
12MP-8G	3/4-14	1/2	37.3
12MP-10G	3/4-14	5/8	37.5
12MP-12G	3/4-14	3/4	36.8
12MP-16G	3/4-14	1	43.2
16MP-12G	1-11 1/2	3/4	45.0
16MP-16G	1-11 1/2	1	47.5
20MP-20G	1/4-11 1/2	1 1/4	53.8

G-MPLN — Male Pipe Long Nose



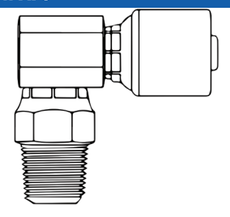
Part #	NPT M	Hose ID	Cut Off Factor mm
4MPLN-4G	1/4-18	1/4	39.0
4MPLN-6G	1/4-18	3/8	41.1
6MPLN-4G	3/8-18	1/4	39.0
6MPLN-6G	3/8-18	3/8	41.1

G-FPX — Female Pipe Swivel (NPSM - 30° Cone Seat)



Part #	NPT F	Hose ID	Cut Off Factor mm
4FPX-4G	1/4-18	1/4	30.7
6FPX-6G	3/8-18	3/8	35.1
8FPX-6G	1/2-14	3/8	36.8
8FPX-8G	1/2-14	1/2	35.8
12FPX-12G	3/4-14	3/4	43.2
16FPX-16G	1-11 1/2	1	47.5
20FPX-20G	1 1/4-11 1/2	1 1/4	57.4

G-MPX90 — Male Pipe Swivel - 90° Block (NPTF - without 30° Cone Seat)

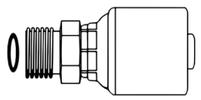


Part #	NPT M	Hose ID	Drop Length mm	Cut Off Factor mm
4MPX90-4G	1/4-18	1/4	41.1	18.3
4MPX90-6G	1/4-18	3/8	41.9	21.6

Hose Fittings

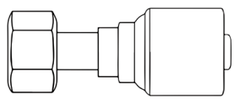
ORFS MegaCrimp Tails

G-MFFOR — Male Flat-Face O-Ring



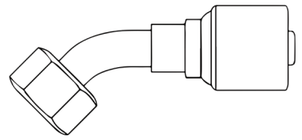
Part #	ORFS M	Hose ID	Cut Off Factor mm
4MFFOR-4G	9/16-18	1/4	26.5
6MFFOR-4G	11/16-16	1/4	28.0
6MFFOR-6G	11/16-16	3/8	28.1
8MFFOR-6G	13/16-16	3/8	31.1
8MFFOR-8G	13/16-16	1/2	30.7
10MFFOR-6G	1-14	3/8	36.1
10MFFOR-8G	1-14	1/2	35.5
10MFFOR-10G	1-14	5/8	35.5
12MFFOR-8G	1 3/16-12	1/2	39.0
12MFFOR-10G	1 3/16-12	5/8	39.5
12MFFOR-12G	1 3/16-12	3/4	39.0
16MFFOR-12G	1 7/16-12	3/4	44.0
16MFFOR-16G	1 7/16-12	1	45.2
20MFFOR-16G	1 11/16-12	1	48.2
20MFFOR-20G	1 11/16-12	1 1/4	50.0

G-FFORX — Female Flat-Face O-Ring Swivel



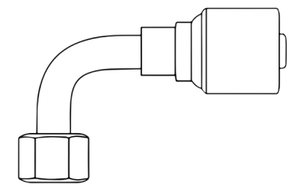
Part #	ORFS F	Hose ID	Cut Off Factor mm
4FFORX-4G	9/16-18	1/4	26.7
4FFORX-6G	9/16-18	3/8	50.3
6FFORX-4G	11/16-16	1/4	25.1
6FFORX-6G	11/16-16	3/8	28.9
6FFORX-8G	11/16-16	1/2	58.4
8FFORX-4G	13/16-16	1/4	24.5
8FFORX-6G	13/16-16	3/8	28.6
8FFORX-8G	13/16-16	1/2	31.3
8FFORX-10G	13/16-16	5/8	59.7
10FFORX-6G	1-14	3/8	25.9
10FFORX-8G	1-14	1/2	34.8
10FFORX-10G	1-14	5/8	38.5
10FFORX-12G	1-14	3/4	44.1
12FFORX-8G	1 3/16-12	1/2	36.3
12FFORX-10G	1 3/16-12	5/8	39.5
12FFORX-12G	1 3/16-12	3/4	41.8
12FFORX-16G	1 3/16-12	1	85
16FFORX-12G	1 7/16-12	3/4	37.3
16FFORX-16G	1 7/16-12	1	47.2
20FFORX-16G	1 11/16-12	1	46.2
20FFORX-20G	1 11/16-12	1 1/4	50
24FFORX-20G	2-12	1 1/4	45

G-FFORX45 — Female Flat-Face O-Ring Swivel - 45° Bent Tube



Part #	ORFS F	Hose ID	Drop Length mm	Cut Off Factor mm
4FFORX45S-4G	9/16-18	1/4	10.0	39.2
4FFORX45S-6G	9/16-18	3/8	10.0	38.1
6FFORX45S-4G	11/16-16	1/4	11.0	42.5
6FFORX45S-6G	11/16-16	3/8	11.0	41.9
6FFORX45S-8G	11/16-16	1/2	11.0	53.2
8FFORX45S-6G	13/16-16	3/8	15.0	57.3
8FFORX45S-8G	13/16-16	1/2	15.0	51.6
10FFORX45S-8G	1-14	1/2	16.0	63.5
10FFORX45S-10G	1-14	5/8	16.0	63.0
10FFORX45S-12G	1-14	3/4	16.0	62.0
12FFORX45S-8G	1 3/16-12	1/2	21.0	72.8
12FFORX45S-10G	1 3/16-12	5/8	21.0	68.4
12FFORX45S-12G	1 3/16-12	3/4	21.0	67.4
12FFORX45S-16G	1 3/16-12	1	21.0	75.7
16FFORX45S-12G	1 7/16-12	3/4	24.0	71.0
16FFORX45S-16G	1 7/16-12	1	24.0	90.1
20FFORX45S-20G	1 11/16-12	1 1/4	25.0	99.0

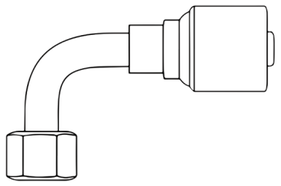
G-FFORX90 — Female Flat-Face O-Ring Swivel - 90° Bent Tube



Part #	ORFS F	Hose ID	Drop Length mm	Cut Off Factor mm
4FFORX90S-4G	9/16-18	1/4	21.0	34.2
4FFORX90M-4G	9/16-18	1/4	32.0	30.2
4FFORX90L-4G	9/16-18	1/4	46.0	30.2
4FFORX90S-6G	9/16-18	3/8	21.0	33.6
6FFORX90S-4G	11/16-16	1/4	23.0	37.4
6FFORX90M-4G	11/16-16	1/4	38.0	37.4
6FFORX90L-4G	11/16-16	1/4	54.0	35.6
6FFORX90S-6G	11/16-16	3/8	23.0	44.6
6FFORX90M-6G	11/16-16	3/8	38.0	35.7
6FFORX90L-6G	11/16-16	3/8	54.0	41.4
6FFORX90S-8G	11/16-16	1/2	23.0	46.0
6FFORX90L-8G	11/16-16	1/2	54.0	42.8
8FFORX90S-6G	13/16-16	3/8	29.0	45.1
8FFORX90M-6G	13/16-16	3/8	41.0	40.6
8FFORX90L-6G	13/16-16	3/8	64.0	41.1
8FFORX90S-8G	13/16-16	1/2	29.0	46.5
8FFORX90M-8G	13/16-16	1/2	41.0	46.5
8FFORX90L-8G	13/16-16	1/2	64.0	46.5

Hose Fittings

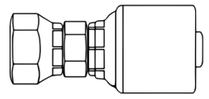
G-FFORX90 Cont — Female Flat-Face O-Ring Swivel - 90° Bent Tube



Part #	ORFS F	Hose ID	Drop Length mm	Cut Off Factor mm
8FFORX90S-10G	13/16-16	5/8	29.0	54.9
8FFORX90L-10G	13/16-16	5/8	64.0	54.9
10FFORX90S-8G	1-14	1/2	32.0	55.4
10FFORX90M-8G	1-14	1/2	47.0	55.7
10FFORX90L-8G	1-14	1/2	70.0	53.1
10FFORX90S-10G	1-14	5/8	32.0	55.0
10FFORX90M-10G	1-14	5/8	47.0	55.3
10FFORX90L-10G	1-14	5/8	70.0	52.7
10FFORX90S-12G	1-14	3/4	32.0	53.0
12FFORX90S-8G	1 3/16-12	1/2	48.0	65.4
12FFORX90S-10G	1 3/16-12	5/8	48.0	58.8
12FFORX90S-12G	1 3/16-12	3/4	48.0	57.8
12FFORX90M-12G	1 3/16-12	3/4	58.0	58.0
12FFORX90L-12G	1 3/16-12	3/4	96.0	67.2
12FFORX90S-16G	1 3/16-12	1	48.0	72.6
16FFORX90S-12G	1 7/16-12	3/4	56.0	77.5
16FFORX90S-16G	1 7/16-12	1	56.0	73.1
16FFORX90M-16G	1 7/16-12	1	71.0	73.1
16FFORX90L-16G	1 7/16-12	1	114.0	73.1
20FFORX90S-16G	1 11/16-12	1	64.0	73.1
20FFORX90M-16G	1 11/16-12	1	78.0	99.2
20FFORX90S-20G	1 11/16-12	1 1/4	64.0	91.0
20FFORX90M-20G	1 11/16-12	1 1/4	78.0	81.0
20FFORX90L-20G	1 11/16-12	1 1/4	129.0	81.0

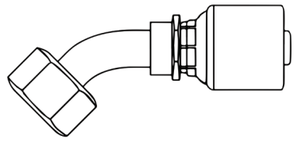
SAE MegaCrimp Tails

G-FSX — Female SAE 45° Flare Swivel



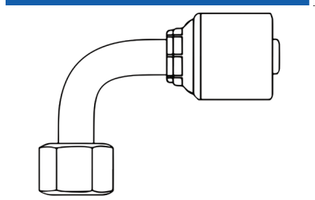
Part #	SAE F	Hose ID	Cut Off Factor mm
4FSX-4G	7/16-20	1/4	31.0
5FSX-4G	1/2-20	1/4	30.2
6FSX-4G	5/8-18	1/4	32.6
6FSX-5G	5/8-18	5/16	34.1
6FSX-6G	5/8-18	3/8	34.2
8FSX-6G	3/4-16	3/8	35.1
8FSX-8G	3/4-16	1/2	34.1
10FSX-8G	7/8-14	1/2	38.4
12FSX-12G	1 1/16-14	3/4	42.5

G-FSX45 — Female SAE 45° Flare Swivel - 45° Bent Tube



Part #	SAE F	Hose ID	Drop Length mm	Cut Off Factor mm
4FSX45-4G	7/16-20	1/4	8.4	33.5
5FSX45-009-4G	1/2-20	1/4	9.1	40.9
6FSX45-6G	5/8-18	3/8	10.0	41.6
8FSX45-014-6G	3/4-16	3/8	14.0	59.9
8FSX45-8G	3/4-16	1/2	14.0	46.5
10FSX45-016-8G	7/8-14	1/2	16.0	55.6
12FSX45-12G	1 1/16-14	3/4	19.8	60.0

G-FSX90 — Female SAE 45° Flare Swivel - 90° Bent Tube

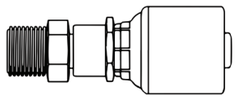


Part #	SAE F	Hose ID	Drop Length mm	Cut Off Factor mm
4FSX90-4G	7/16-20	1/4	31.5	26.0
5FSX90-046-4G	1/2-20	1/4	45.7	36.8
6FSX90-022-5G	5/8-18	5/16	21.6	42.4
6FSX90-6G	5/8-18	3/8	38.5	32.1
6FSX90-055-6G	5/8-18	3/8	55.4	43.9
8FSX90-6G	3/4-16	3/8	44.5	35.6
8FSX90-8G	3/4-16	1/2	44.5	37.0
10FSX90-031-8G	7/8-14	1/2	31.2	46.0
12FSX90-12G	1 1/16-14	3/4	70.6	49.0

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

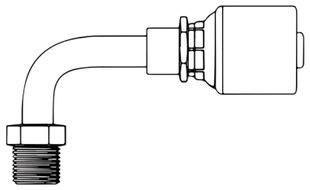
Hose Fittings

G-MIX — SAE Male Inverted Swivel



Part #	SAE	Hose ID	Cut Off Factor mm
8MIX-8G	3/4-18	1/2	46.3

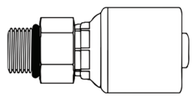
G-MIX90 — SAE Male Inverted Swivel - 90° Bent Tube



Part #	SAE	Hose ID	Drop Length mm	Cut Off Factor mm
8MIX90-8G	3/4-18	1/2	41.7	46.0

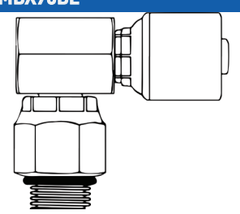
UNO MegaCrimp Tails

G-MB — Male O-Ring Boss



Part #	UNO M	Hose ID	Cut Off Factor mm
4MB-4G	7/16-20	1/4	24.5
6MB-4G	9/16-18	1/4	26.0
6MB-6G	9/16-18	3/8	28.1
8MB-6G	3/4-16	3/8	30.1
8MB-8G	3/4-16	1/2	29.5
8MB-10G	3/4-16	5/8	34.5
10MB-6G	7/8-14	3/8	28.6
10MB-8G	7/8-14	1/2	30.5
10MB-10G	7/8-14	5/8	34.5
10MB-12G	7/8-14	3/4	31.1
12MB-6G	1 1/16-12	3/8	33.6
12MB-8G	1 1/16-12	1/2	36.5
12MB-10G	1 1/16-12	5/8	38.5
12MB-12G	1 1/16-12	3/4	33.5
14MB-12G	1 3/16-12	3/4	33.0
14MB-16G	1 3/16-12	1	39.2
16MB-12G	1 5/16-12	3/4	36.5
16MB-16G	1 5/16-12	1	40.7
20MB-16G	1 5/8-12	1	38.2
20MB-20G	1 5/8-12	1 1/4	40.0

G-MBX90BL — Male O-Ring Boss Swivel - 90° Block

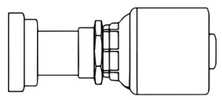


Part #	UNO M	Hose ID	Drop Length mm	Cut Off Factor mm
10MBX90BL-8G	7/8-14	1/2	46.0	27.2
12MBX90BL-8G	1 1/16-12	1/2	53.1	27.2

Hose Fittings
TRUFLOW HYDRAULIC HOSE AND FITTINGS

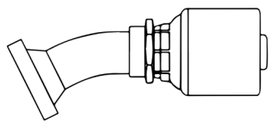
Flanged MegaCrimp Tails

G-FL — Code 61 O-Ring Flange



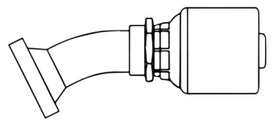
Part #	CODE 61	Hose ID	Cut Off Factor mm
8FL-8G	1/2	1/2	42.5
12FL-8G	3/4	1/2	42.5
12FL-12G	3/4	3/4	47.0
12FL-16G	3/4	1	71.2
16FL-12G	1	3/4	37.8
16FL-16G	1	1	48.2
20FL-16G	1 1/4	1	48.2
20FL-20G	1 1/4	1 1/4	53.5
24FL-16G	1 1/2	1	39.2
24FL-20G	1 1/2	1 1/4	58.5

G-FL22 — Code 61 O-Ring Flange - 22 1/2° Bent Tube



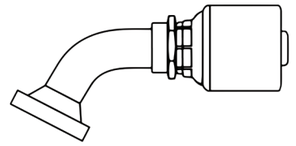
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
12FL22M-12G	3/4	3/4	11.0	70.0
16FL22M-014-12G	1	3/4	14.0	70.0
16FL22M-16G	1	1	14.0	85.7
20FL22M-20G	1 1/4	1 1/4	15.0	93.5

G-FL30 — Code 61 O-Ring Flange - 30° Bent Tube



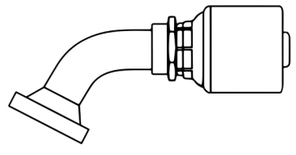
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
12FL30M-12G	3/4	3/4	16.0	68.5
16FL30M-12G	1	3/4	19.1	73.0
16FL30M-16G	1	1	19.1	87.7
20FL30M-16G	1 1/4	1	22.1	92.7
20FL30S-20G	1 1/4	1 1/4	20.1	94.4

G-FL45 — Code 61 O-Ring Flange - 45° Bent Tube



Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
8FL45M-8G	1/2	1/2	19.1	60.3
12FL45M-8G	3/4	1/2	26.0	67.3
12FL45M-10G	3/4	5/8	26.0	75.1
12FL45M-12G	3/4	3/4	26.0	71.5
16FL45S-12G	1	3/4	28.0	73.5
16FL45S-16G	1	1	28.0	85.7
20FL45S-16G	1 1/4	1	32.0	92.2
20FL45S-20G	1 1/4	1 1/4	32.0	98.0
24FL45-16G	1 1/2	1	26.9	77.7

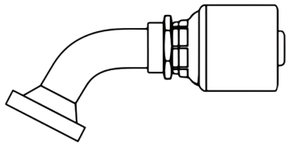
G-FL60 — Code 61 O-Ring Flange - 60° Bent Tube



Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
12FL60M-12G	3/4	3/4	37.0	77.0
16FL60M-12G	1	3/4	44.0	81.0
16FL60M-16G	1	1	44.0	91.7
20FL60S-20G	1 1/4	1 1/4	45.0	99.0

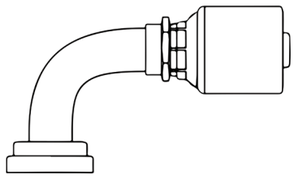
A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

G-FL67 — Code 61 O-Ring Flange - 67 1/2° Bent Tube



Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
12FL67M-12G	3/4	3/4	42.0	67.0
20FL67S-20G	1 1/4	1 1/4	51.0	91.4

G-FL90 — Code 61 O-Ring Flange - 90° Bent Tube



Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
8FL90M-8G	1/2	1/2	40.0	53.7
12FL90M-8G	3/4	1/2	58.0	54.0
12FL90M-10G	3/4	5/8	58.0	62.5
12FL90M-12G	3/4	3/4	58.0	64.3
12FL90M-16G	3/4	1	58.0	72.5
16FL90S-12G	1	3/4	61.0	68.8
16FL90S-16G	1	1	61.0	82.5
20FL90S-16G	1 1/4	1	68.0	82.5
20FL90S-20G	1 1/4	1 1/4	68.0	99.1
20FL90M-20G	1 1/4	1 1/4	90.0	76.0
20FL90-102-20G	1 1/4	1 1/4	101.6	79.0
24FL90S-081-16G	1 1/2	1	81.0	84.8
24FL90S-20G	1 1/2	1 1/4	81.0	99.1

Hose Fittings

Gates GlobalSpiral - GS Series

Contents

GlobalSpiral Two Piece Tail Ferrules B32
BSP GlobalSpiral Two Piece Tails B33
JIC GlobalSpiral Two Piece Tails B35
Metric GlobalSpiral Two Piece Tails B38
NPT GlobalSpiral Two Piece Tails B41
ORFS GlobalSpiral Two Piece Tails B42
Hose Extenders GlobalSpiral Two Piece Tails B45
Flanged GlobalSpiral Two Piece Tails B46

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

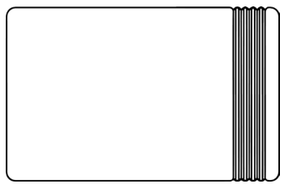
Hose Fittings

GlobalSpiral Two Piece Tail Ferrules

GS-1F-2 — GS Ferrule for Wire Braid Hose

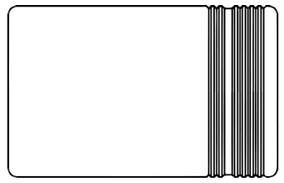
Part #	Hose ID
6GS1F-1	3/8
6GS1F-2	3/8
8GS1F-2	1/2
10GS1F-2	5/8
12GS1F-2	3/4
16GS1F-2	1
20GS1F-2	1 1/4

GS-1F-4 — GS Ferrule for 4-Spiral Hose



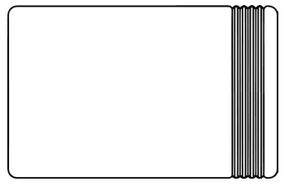
Part #	Hose ID
6GS1F-4	3/8
8GS1F-4	1/2
10GS1F-4	5/8
12GS1F-4	3/4
16GS1F-4	1
20GS1F-4	1 1/4

GS-1F-6 — GS Ferrule for 6-Spiral Hose



Part #	Hose ID
20GS1F-6	1 1/4

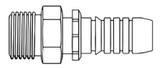
GS-D1F-4 — GS Ferrule for ID5K Hose



Part #	Hose ID
10GSID1F-4	5/8

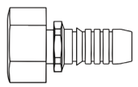
BSP GlobalSpiral Two Piece Tails

GS-MBSPP — Male British Standard Pipe Parallel (60° Cone Seat)



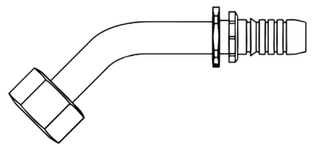
Part #	BSPP M	Hose ID	Cut Off Factor mm
6MBSPP-6GS	3/8-19	3/8	27.2
8MBSPP-8GS	1/2-14	1/2	46.0
10MBSPP-10GS	5/8-14	5/8	30.0
12MBSPP-10GS	3/4-14	5/8	34.8
12MBSPP-12GS	3/4-14	3/4	34.8
16MBSPP-16GS	1-11	1	41.2
20MBSPP-20GS	1 1/4-11	1 1/4	47.0

GS-FBSPORX — Female British Standard Parallel Pipe O-Ring Swivel



Part #	BSPP F	Hose ID	Cut Off Factor mm
6FBSPORX-6GS	3/8-19	3/8	23.6
8FBSPORX-6GS	1/2-14	3/8	23.6
8FBSPORX-8GS	1/2-14	1/2	23.6
10FBSPORX-10GS	5/8-14	5/8	30.0
12FBSPORX-10GS	3/4-14	5/8	34.8
12FBSPORX-12GS	3/4-14	3/4	35.6
16FBSPORX-12GS	1-11	3/4	35.6
16FBSPORX-16GS	1-11	1	38.6
20FBSPORX-16GS	1 1/4-11	1	26.2
20FBSPORX-20GS	1 1/4-11	1 1/4	45.5

GS-FBSPORX45 — Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube

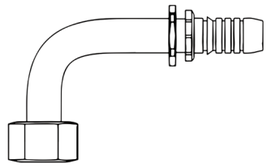


Part #	BSPP F	Hose ID	Drop Length mm	Cut Off Factor mm
6FBSPORX45-6GS	3/8-19	3/8	15.5	47.2
8FBSPORX45-8GS	1/2-14	1/2	17.0	54.1
10FBSPORX45-10GS	5/8-14	5/8	26.4	57.2
12FBSPORX45-12GS	3/4-14	3/4	28.3	81.6
16FBSPORX45-16GS	1-11	1	31.0	99.1
20FBSPORX45M-20GS	1 1/4-11	1 1/4	37.6	119.9

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

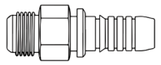
GS-FBSPORX90 — Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube



Part #	BSPP F	Hose ID	Drop Length mm	Cut Off Factor mm
6FBSPORX90-6GS	3/8-19	3/8	32.0	42.2
8FBSPORX90-8GS	1/2-14	1/2	37.6	50.6
10FBSPORX90-10GS	5/8-14	5/8	48.3	62.2
12FBSPORX90-12GS	3/4-14	3/4	60.0	73.2
16FBSPORX90-16GS	1-11	1	70.1	91.2
20FBSPORX90-20GS	1 1/4-11	1 1/4	80.0	109.5

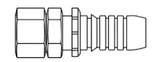
JIC GlobalSpiral Two Piece Tails

GS-MJ — Male JIC 37° Flare



Part #	JIC M	Hose ID	Cut Off Factor mm
6MJ-6GS	9/16-18	3/8	30.2
8MJ-6GS	3/4-16	3/8	34.3
8MJ-8GS	3/4-16	1/2	34.5
10MJ-6GS	7/8-14	3/8	41.2
10MJ-8GS	7/8-14	1/2	37.6
10MJ-10GS	7/8-14	5/8	41.7
12MJ-10GS	1 1/16-12	5/8	43.7
12MJ-12GS	1 1/16-12	3/4	41.9
14MJ-12GS	1 3/16-12	3/4	42.9
16MJ-12GS	1 5/16-12	3/4	45.0
16MJ-16GS	1 5/16-12	1	47.2
20MJ-16GS	1 5/8-12	1	51.8
20MJ-20GS	1 5/8-12	1 1/4	53.9

GS-FJX — Female JIC 37° Flare Swivel

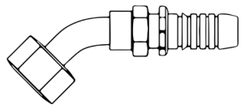


Part #	JIC F	Hose ID	Cut Off Factor mm
6FJX-6GS	9/16-18	3/8	33.3
8FJX-6GS	3/4-16	3/8	35.3
8FJX-8GS	3/4-16	1/2	34.5
10FJX-8GS	7/8-14	1/2	38.4
10FJX-10GS	7/8-14	5/8	43.2
10FJX-12GS	7/8-14	3/4	47.5
12FJX-8GS	1 1/16-12	1/2	39.6
12FJX-10GS	1 1/16-12	5/8	44.7
12FJX-12GS	1 1/16-12	3/4	47.2
12FJX-16GS	1 1/16-12	1	50.8
14FJX-12GS	1 3/16-12	3/4	52.3
14FJX-16GS	1 3/16-12	1	51.1
16FJX-12GS	1 5/16-12	3/4	51.1
16FJX-16GS	1 5/16-12	1	52.6
16FJX-20GS	1 5/16-12	1 1/4	57.9
20FJX-16GS	1 5/8-12	1	58.7
20FJX-20GS	1 5/8-12	1 1/4	65.0
24FJX-20GS	1 7/8-12	1 1/4	65.8

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

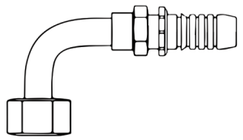
Hose Fittings

GS-FJX45 — Female JIC 37° Flare Swivel - 45° Bent Tube



Part #	JIC F	Hose ID	Drop Length mm	Cut Off Factor mm
6FJX45S-6GS	9/16-18	3/8	11.0	46.2
8FJX45S-6GS	3/4-16	3/8	15.0	57.2
8FJX45S-8GS	3/4-16	1/2	15.0	56.4
10FJX45S-8GS	7/8-14	1/2	16.0	53.6
10FJXMM45-018-10GS	7/8-14	5/8	18.0	63.0
12FJX45S-10GS	1 1/16-12	5/8	21.1	71.6
12FJX45S-12GS	1 1/16-12	3/4	21.1	79.0
16FJX45S-12GS	1 5/16-12	3/4	23.9	86.1
16FJX45S-16GS	1 5/16-12	1	23.9	95.8
16FJX45M-16GS	1 5/16-12	1	38.1	103.4
20FJX45S-16GS	1 5/8-12	1	24.9	107.4
20FJX45-038-20GS	1 5/8-12	1 1/4	38.1	109.0

GS-FJX90 — Female JIC 37° Flare Swivel - 90° Bent Tube



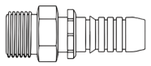
Part #	JIC F	Hose ID	Drop Length mm	Cut Off Factor mm
6FJX90S-6GS	9/16-18	3/8	23.1	43.2
6FJX90L-6GS	9/16-18	3/8	54.1	50.3
8FJX90M-6GS	3/4-16	3/8	40.9	55.1
8FJX90-083-6GS	3/4-16	3/8	83.1	55.1
8FJX90S-8GS	3/4-16	1/2	29.0	48.5
8FJX90M-8GS	3/4-16	1/2	40.9	54.6
8FJX90L-8GS	3/4-16	1/2	64.0	54.6
8FJX90XL-8GS	3/4-16	1/2	103.1	54.6
10FJX90S-8GS	7/8-14	1/2	32.0	54.6
10FJX90M-8GS	7/8-14	1/2	47.0	51.1
10FJX90L-8GS	7/8-14	1/2	83.1	57.4
10FJX90-036-10GS	7/8-14	5/8	36.1	61.0
10FJX90M-10GS	7/8-14	5/8	47.0	56.6
12FJX90S-8GS	1 1/16-12	1/2	48.0	73.4
12FJX90M-10GS	1 1/16-12	5/8	57.9	70.6
12FJX90S-12GS	1 1/16-12	3/4	48.0	68.1
12FJX90M-12GS	1 1/16-12	3/4	57.9	62.0
12FJX90L-12GS	1 1/16-12	3/4	96.0	62.0
14FJX90-060-12GS	1 3/16-12	3/4	59.9	89.9
16FJX90S-12GS	1 5/16-12	3/4	55.9	84.1
16FJX90M-12GS	1 5/16-12	3/4	71.1	84.1
16FJX90L-12GS	1 5/16-12	3/4	114.1	84.1
16FJX90S-16GS	1 5/16-12	1	55.9	87.6
16FJX90M-16GS	1 5/16-12	1	71.1	87.6
16FJX90L-16GS	1 5/16-12	1	110.0	87.6
20FJX90L-16GS	1 5/8-12	1	129.0	97.5
20FJX90S-20GS	1 5/8-12	1 1/4	64.0	102.9
20FJX90M-20GS	1 5/8-12	1 1/4	78.0	102.9
20FJX90L-20GS	1 5/8-12	1 1/4	129.0	102.9
24FJX90M-20GS	1 7/8-12	1 1/4	86.1	114.8

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

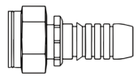
Metric GlobalSpiral Two Piece Tails

GS-MDL — Male DIN 24° Cone - Light Series



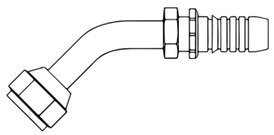
Part #	MDL M	Hose ID	Cut Off Factor mm
12MDL-6GS	M18X1.5	3/8	27.9
15MDL-8GS	M22X1.5	1/2	25.4
22MDL-12GS	M30X2.0	3/4	28.5
28MDL-16GS	M36X2.0	1	33.3

GS-FDLORX — Female DIN 24° Cone Swivel - Light Series with O-Ring



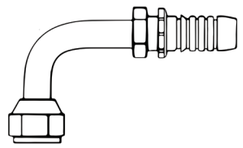
Part #	MDL F	Hose ID	Cut Off Factor mm
12FDLORX-6GS	M18X1.5	3/8	37.1
15FDLORX-8GS	M22X1.5	1/2	35.6
18FDLORX-10GS	M26X1.5	5/8	41.4
22FDLORX-12GS	M30X2.0	3/4	46.0
28FDLORX-12GS	M36X2.0	3/4	48.1
28FDLORX-16GS	M36X2.0	1	48.5
35FDLORX-20GS	M45X2.0	1 1/4	61.2

GS-FDLORX45 — Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube



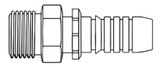
Part #	MDL F	Hose ID	Drop Length mm	Cut Off Factor mm
15FDLORX45-8GS	M22X1.5	1/2	20.1	57.2
22FDLORX45-12GS	M30X2.0	3/4	29.7	84.8
28FDLORX45-16GS	M36X2.0	1	30.7	99.1

GS-FDLORX90 — Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube



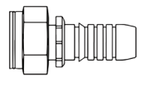
Part #	MDL F	Hose ID	Drop Length mm	Cut Off Factor mm
12FDLORX90-6GS	M18X1.5	3/8	36.8	42.2
15FDLORX90-8GS	M22X1.5	1/2	41.9	50.3
18FDLORX90-10GS	M26X1.5	5/8	51.6	63.3
22FDLORX90M-12GS	M30X2.0	3/4	62.0	72.6
28FDLORX90M-16GS	M36X2.0	1	70.1	68.8

GS-MDH — Male DIN 24° Cone - Heavy Series



Part #	MDH M	Hose ID	Cut Off Factor mm
12MDH-6GS	M20X1.5	3/8	27.9
14MDH-6GS	M22X1.5	3/8	30.0
16MDH-8GS	M24X1.5	1/2	30.0
20MDH-10GS	M30X2.0	5/8	34.8
20MDH-12GS	M30X2.0	3/4	34.0
25MDH-12GS	M36X2.0	3/4	38.1
25MDH-16GS	M36X2.0	1	40.1
30MDH-12GS	M42X2.0	3/4	26.9
30MDH-16GS	M42X2.0	1	42.2
38MDH-20GS	M52X2.0	1 1/4	51.8

GS-FDHORX — Female DIN 24° Cone Swivel - Heavy Series with O-Ring

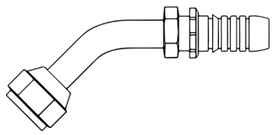


Part #	MDH F	Hose ID	Cut Off Factor mm
10FDHORX-6GS	M18X1.5	3/8	35.8
12FDHORX-6GS	M20X1.5	3/8	37.1
12FDHORX-8GS	M20X1.5	1/2	38.9
14FDHORX-6GS	M22X1.5	3/8	39.6
14FDHORX-8GS	M22X1.5	1/2	38.9
16FDHORX-8GS	M24X1.5	1/2	41.4
20FDHORX-8GS	M30X2.0	1/2	49.9
20FDHORX-10GS	M30X2.0	5/8	49.9
20FDHORX-12GS	M30X2.0	3/4	52.1
25FDHORX-10GS	M36X2.0	5/8	53.6
25FDHORX-12GS	M36X2.0	3/4	56.4
25FDHORX-16GS	M36X2.0	1	59.7
30FDHORX-16GS	M42X2.0	1	61.7
38FDHORX-16GS	M52X2.0	1	55.1
38FDHORX-20GS	M52X2.0	1 1/4	73.9

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

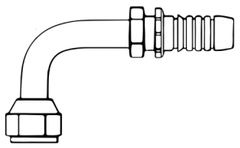
Hose Fittings

GS-FDHORX45 — Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube



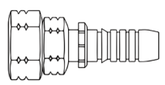
Part #	MDH F	Hose ID	Drop Length mm	Cut Off Factor mm
12FDHORX45-6GS	M20X1.5	3/8	72.9	35.8
14FDHORX45-6GS	M22X1.5	3/8	75.4	37.1
16FDHORX45-8GS	M24X1.5	1/2	21.6	56.6
20FDHORX45-10GS	M30X2.0	5/8	24.9	71.4
20FDHORX45-12GS	M30X2.0	3/4	29.7	110.0
25FDHORX45M-12GS	M36X2.0	3/4	31.2	86.4
25FDHORX45M-16GS	M36X2.0	1	35.1	42.2
30FDHORX45-16GS	M42X2.0	1	35.1	103.4
38FDHORX45M-20GS	M52X2.0	1 1/4	42.4	125.0

GS-FDHORX90 — Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube



Part #	MDH F	Hose ID	Drop Length mm	Cut Off Factor mm
12FDHORX90-6GS	M20X1.5	3/8	36.8	37.1
14FDHORX90-6GS	M22X1.5	3/8	39.9	42.2
16FDHORX90M-8GS	M24X1.5	1/2	43.9	48.5
20FDHORX90-10GS	M30X2.0	5/8	51.0	46.6
20FDHORX90-12GS	M30X2.0	3/4	62.0	72.4
25FDHORX90M-12GS	M36X2.0	3/4	64.0	72.4
25FDHORX90-16GS	M36X2.0	1	76.0	94.5
30FDHORX90M-16GS	M42X2.0	1	76.0	91.2
38FDHORX90M-20GS	M52X2.0	1 1/4	87.1	109.5

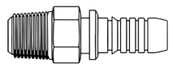
GS-FKX — Female Komatsu Style Japanese Metric Swivel



Part #	JIS	Hose ID	Cut Off Factor mm
8FKX-8GS	M22X1.5	1/2	37.1
10FKX-10GS	M24X1.5	5/8	44.7
12FKX-12GS	M30X1.5	3/4	50.8
16FKX-16GS	M33X1.5	1	58.2

NPT GlobalSpiral Two Piece Tails

GS-MP — Male Pipe (NPTF - 30° Cone Seat)



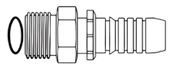
Part #	NPT M	Hose ID	Cut Off Factor mm
6MP-6GS	3/8-18	3/8	33.3
8MP-6GS	1/2-14	3/8	37.1
8MP-8GS	1/2-14	1/2	36.3
8MP-10GS	1/2-14	5/8	34.0
8MP-12GS	1/2-14	3/4	39.1
12MP-8GS	3/4-14	1/2	39.6
12MP-10GS	3/4-14	5/8	40.6
12MP-12GS	3/4-14	3/4	39.1
12MP-16GS	3/4-14	1	44.2
16MP-12GS	1-11 1/2	3/4	46.0
16MP-16GS	1-11 1/2	1	49.3
20MP-16GS	1 1/4-11 1/2	1	52.3
20MP-20GS	1 1/4-11 1/2	1 1/4	55.9

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

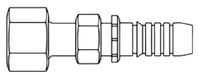
ORFS GlobalSpiral Two Piece Tails

GS-MFFOR — Male Flat-Face O-Ring



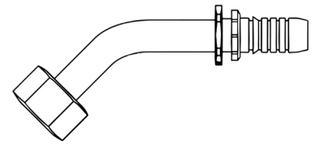
Part #	ORFS M	Hose ID	Cut Off Factor mm
6MFFOR-6GS	11/16	3/8	28.2
8MFFOR-8GS	13/16-16	1/2	30.5
10MFFOR-8GS	1-14	1/2	36.6
10MFFOR-10GS	1-14	5/8	36.6
12MFFOR-10GS	1 3/16	5/8	38.6
12MFFOR-12GS	1 3/16-12	3/4	38.1
16MFFOR-12GS	1 7/16-12	3/4	43.9
16MFFOR-16GS	1 7/16-12	1	45.2
20MFFOR-16GS	1 11/16-12	1	45.2
20MFFOR-20GS	1 11/16-12	1 1/4	49.0

GS-FFORX — Female Flat-Face O-Ring Swivel



Part #	ORFS F	Hose ID	Cut Off Factor mm
6FFORX-6GS	11/16-16	3/8	33.3
8FFORX-6GS	13/16-16	3/8	36.3
8FFORX-8GS	13/16-16	1/2	35.6
10FFORX-8GS	1-14	1/2	40.4
10FFORX-10GS	1-14	5/8	43.7
10FFORX-12GS	1-14	3/4	46.0
12FFORX-8GS	1 3/16-12	1/2	41.4
12FFORX-10GS	1 3/16-12	5/8	44.7
12FFORX-12GS	1 3/16-12	3/4	48.1
12FFORX-16GS	1 3/16-12	1	74.2
16FFORX-12GS	1 7/16-12	3/4	52.1
16FFORX-16GS	1 7/16-12	1	54.4
20FFORX-12GS	1 11/16-12	3/4	48.3
20FFORX-16GS	1 11/16-12	1	54.4
20FFORX-20GS	1 11/16-12	1 1/4	56.9

GS-FFORX45 — Female Flat-Face O-Ring Swivel - 45° Bent Tube

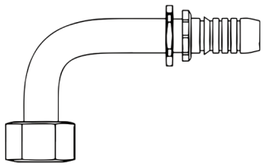


Part #	ORFS F	Hose ID	Drop Length mm	Cut Off Factor mm
6FFORX45S-6GS	11/16-16	3/8	11.0	46.2
8FFORX45S-6GS	13/16-16	3/8	15.0	57.2
8FFORX45S-8GS	13/16-16	1/2	15.0	56.4
10FFORX45S-8GS	1-14	1/2	16.0	61.5
10FFORX45S-10GS	1-14	5/8	16.0	60.7
12FFORX45S-8GS	1 3/16-12	1/2	21.1	77.5
12FFORX45S-12GS	1 3/16-12	3/4	21.1	73.9
16FFORX45S-12GS	1 7/16-12	3/4	23.9	86.1
16FFORX45S-16GS	1 7/16-12	1	23.9	87.9
20FFORX45S-16GS	1 11/16-12	1	24.9	107.7
20FFORX45-032-20GS	1 11/16-12	1 1/4	32.0	109.0

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

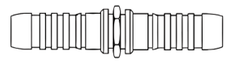
GS-FFORX90 | **Female Flat-Face O-Ring Swivel - 90° Bent Tube**



Part #	ORFS F	Hose ID	Drop Length mm	Cut Off Factor mm
6FFORX90S-6GS	11/16-16	3/8	23.1	42.2
8FFORX90M-6GS	13/16-16	3/8	40.9	49.3
6FFORX90L-6GS	11/16-16	3/8	54.1	49.3
8FFORX90S-8GS	13/16-16	1/2	29.0	48.5
8FFORX90M-8GS	13/16-16	1/2	40.9	48.5
8FFORX90-083-8GS	13/16-16	1/2	83.1	48.5
10FFORX90S-8GS	1-14	1/2	32.0	63.5
10FFORX90M-8GS	1-14	1/2	47.0	63.5
10FFORX90L-8GS	1-14	1/2	70.1	63.5
10FFORX90S-10GS	1-14	5/8	32.0	56.4
10FFORX90M-10GS	1-14	5/8	47.0	55.9
10FFORX90L-10GS	1-14	5/8	70.1	62.0
10FFORX90S-12GS	1-14	3/4	32.0	59.9
12FFORX90S-8GS	1 3/16-12	1/2	48.0	69.6
12FFORX90S-10GS	1 3/16-12	5/8	32.0	69.6
12FFORX90M-12GS	1 3/16-12	3/4	57.9	77.0
12FFORX90L-12GS	1 3/16-12	3/4	96.0	77.0
12FFORX90S-12GS	1 3/16-12	3/4	48.0	77.0
16FFORX90S-12GS	1 7/16-12	3/4	55.9	86.1
16FFORX90M-12GS	1 7/16-12	3/4	71.1	86.1
16FFORX90L-12GS	1 7/16-12	3/4	114.1	86.1
16FFORX90S-16GS	1 7/16-12	1	55.9	87.6
16FFORX90M-16GS	1 7/16-12	1	71.1	87.6
16FFORX90L-16GS	1 7/16-12	1	114.1	87.6
20FFORX90S-16GS	1 11/16-12	1	64.0	97.5
20FFORX90M-16GS	1 11/16-12	1	78.0	97.3
20FFORX90L-16GS	1 11/16-12	1	129.0	97.3
20FFORX90S-20GS	1 11/16-12	1 1/4	64.0	100.8
20FFORX90M-20GS	1 11/16-12	1 1/4	78.0	100.8
20FFORX90L-20GS	1 11/16-12	1 1/4	129.0	100.8
24FFORX90-064-20GS	2-12	1 1/4	64.0	100.8

Hose Extenders GlobalSpiral Two Piece Tails

GS-HLE | **Hose Length Extender**



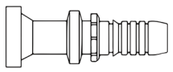
Part #	Hose ID	Hose ID	Cut Off Factor mm
8HLE-8GS	1/2	1/2	19.1
12HLE-12GS	3/4	3/4	19.8
16HLE-16GS	1	1	24.9
20HLE-20GS	1 1/4	1 1/4	29.7

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

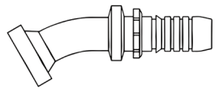
Flanged GlobalSpiral Two Piece Tails

GS-FL — Code 61 O-Ring Flange



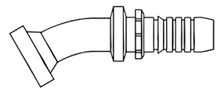
Part #	CODE 61	Hose ID	Cut Off Factor mm
8FL-6GS	1/2	3/8	54.1
8FL-8GS	1/2	1/2	55.6
8FL-12GS	1/2	3/4	61.0
12FL-8GS	3/4	1/2	60.5
12FL-10GS	3/4	5/8	58.7
12FL-12GS	3/4	3/4	59.9
12FL-16GS	3/4	1	61.0
16FL-8GS	1	1/2	34.8
16FL-12GS	1	3/4	59.9
16FL-16GS	1	1	68.6
16FL-20GS	1	1 1/4	64.8
20FL-12GS	1 1/4	3/4	59.9
20FL-16GS	1 1/4	1	68.3
20FL-20GS	1 1/4	1 1/4	74.9
24FL-16GS	1 1/2	1	48.3
24FL-20GS	1 1/2	1 1/4	88.9
32FL-20GS	2	1 1/4	73.9

GS-FL22 — Code 61 O-Ring Flange - 22 1/2° Bent Tube



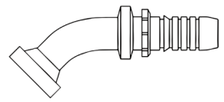
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
8FL22M-8GS	1/2	1/2	8.9	58.4
12FL22M-12GS	3/4	3/4	11.0	80.0
16FL22M-12GS	1	3/4	14.0	82.0
16FL22M-16GS	1	1	14.0	98.3
20FL22M-16GS	1 1/4	1	15.0	111.0
20FL22M-20GS	1 1/4	1 1/4	15.0	106.9
24FL22M-20GS	1 1/2	1 1/4	18.0	114.8

GS-FL30 — Code 61 O-Ring Flange - 30° Bent Tube



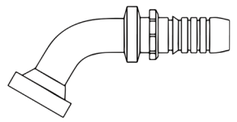
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
12FL30M-8GS	3/4	1/2	16.0	62.5
12FL30M-12GS	3/4	3/4	16.0	78.0
16FL30M-12GS	1	3/4	19.1	70.1
16FL30M-16GS	1	1	19.1	96.5
20FL30M-16GS	1 1/4	1	22.1	109.0
20FL30M-20GS	1 1/4	1 1/4	22.1	104.9
24FL30M-20GS	1 1/2	1 1/4	30.0	111.0

GS-FL45 — Code 61 O-Ring Flange - 45° Bent Tube



Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
8FL45M-6GS	1/2	3/8	19.1	57.2
8FL45M-8GS	1/2	1/2	19.1	56.4
12FL45M-8GS	3/4	1/2	25.9	63.5
12FL45M-10GS	3/4	5/8	25.9	76.7
12FL45M-12GS	3/4	3/4	25.9	72.9
16FL45S-12GS	1	3/4	27.9	74.9
16FL45M-16GS	1	1	32.0	90.7
16FL45M-20GS	1	1 1/4	32.0	92.0
20FL45M-16GS	1 1/4	1	38.1	100.8
20FL45S-20GS	1 1/4	1 1/4	32.0	98.8
24FL45S-20GS	1 1/2	1 1/4	38.1	104.9

GS-FL60 — Code 61 O-Ring Flange - 60° Bent Tube

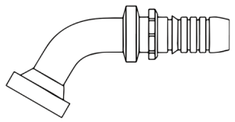


Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
8FL60M-8GS	1/2	1/2	26.9	66.6
12FL60M-12GS	3/4	3/4	37.1	86.1
16FL60M-12GS	1	3/4	43.9	85.1
16FL60M-16GS	1	1	43.9	100.8
20FL60M-16GS	1 1/4	1	55.1	100.1
20FL60M-20GS	1 1/4	1 1/4	55.1	115.8
24FL60M-20GS	1 1/2	1 1/4	64.0	124.0

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

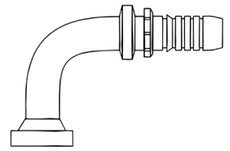
Hose Fittings

GS-FL67 — Code 61 O-Ring Flange - 67 1/2° Bent Tube



Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
12FL67-032-8GS	3/4	1/2	32.0	56.1
12FL67M-12GS	3/4	3/4	41.9	81.0
16FL67M-12GS	1	3/4	51.1	78.0
16FL67M-16GS	1	1	51.1	94.2
20FL67M-16GS	1 1/4	1	64.0	91.2
20FL67M-20GS	1 1/4	1 1/4	64.0	106.9
24FL67S-20GS	1 1/2	1 1/4	51.1	93.0

GS-FL90 — Code 61 O-Ring Flange - 90° Bent Tube

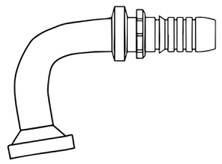


Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
8FL90M-6GS	1/2	3/8	39.9	51.3
8FL90L-8GS	1/2	1/2	83.1	50.6
8FL90M-8GS	1/2	1/2	39.9	50.6
8FL90-050-12GS	1/2	3/4	50.0	71.1
12FL90M-8GS	3/4	1/2	57.9	50.3
12FL90M-10GS	3/4	5/8	57.9	59.7
12FL90M-12GS	3/4	3/4	57.9	61.0
12FL90-100-12GS	3/4	3/4	100.1	61.0
12FL90-125-12GS	3/4	3/4	125.0	71.1
12FL90M-16GS	3/4	1	57.9	129.0
12FL90-16GS	3/4	1	80.0	78.7
16FL90S-12GS	1	3/4	61.0	61.0
16FL90M-12GS	1	3/4	70.1	61.0
16FL90-080-12GS	1	3/4	80.0	77.0
16FL90-178-12GS	1	3/4	178.1	60.5
16FL90S-16GS	1	1	61.0	78.5
16FL90M-16GS	1	1	70.1	78.5
16FL90-120-16GS	1	1	119.9	77.2
16FL90-150-16GS	1	1	150.1	87.4
16FL90-210-16GS	1	1	210.1	76.7
16FL90M-20GS	1	1 1/4	70.1	88.9
16FL90-215-20GS	1	1 1/4	214.9	88.9
20FL90-054-12GS	1 1/4	3/4	54.1	80.0
20FL90-125-12GS	1 1/4	3/4	125.0	70.1
20FL90S-16GS	1 1/4	1	68.1	76.7
20FL90M-16GS	1 1/4	1	89.9	76.0
20FL90-120-16GS	1 1/4	1	119.9	77.2
20FL90S-20GS	1 1/4	1 1/4	68.1	94.0
20FL90M-20GS	1 1/4	1 1/4	89.9	94.0
20FL90-168-20GS	1 1/4	1 1/4	167.9	95.0
24FL90-060-16GS	1 1/2	1	59.9	88.1
24FL90S-16GS	1 1/2	1	81.0	77.2
24FL90S-20GS	1 1/2	1 1/4	81.0	94.0
24FL90-118-20GS	1 1/2	1 1/4	118.1	94.0

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

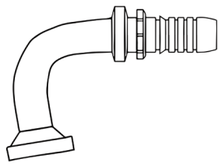
Hose Fittings
TRUFLOW HYDRAULIC HOSE AND FITTINGS

GS-FL100 — Code 61 O-Ring Flange - 100° Bent Tube



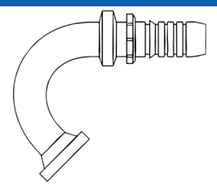
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
16FL100-059-12GS	1	3/4	58.9	74.2

GS-FL110 — Code 61 O-Ring Flange - 110° Bent Tube



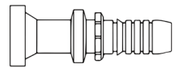
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
12FL110-064-12GS	3/4	3/4	64.0	80.0
16FL110-073-16GS	1	1	72.9	91.7
20FL110-073-16GS	1 1/4	1	72.9	61.2
20FL110-080-20GS	1 1/4	1 1/4	80.0	110.0
24FL110-080-20GS	1 1/2	1 1/4	80.0	110.0

GS-FL135 — Code 61 O-Ring Flange - 135° Bent Tube



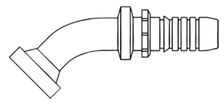
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
12FL135-070-12GS	3/4	3/4	70.1	46.0

GS-FLK — Code 61 Komatsu Style O-Ring Flange



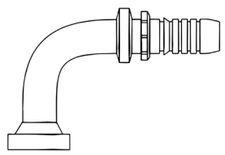
Part #	Komatsu Flange	Hose ID	Cut Off Factor mm
10FLK-10GS	5/8	5/8	63.8

GS-FLK45 — Code 61 Komatsu Style O-Ring Flange - 45° Bent Tube



Part #	Komatsu Flange	Hose ID	Drop Length mm	Cut Off Factor mm
10FLK45-026-10GS	5/8	5/8	25.9	70.6

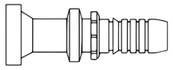
GS-FLK90 — Code 61 Komatsu Style O-Ring Flange - 90° Bent Tube



Part #	Komatsu Flange	Hose ID	Drop Length mm	Cut Off Factor mm
10FLK90-055-10GS	5/8	5/8	55.1	59.7

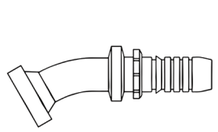
Hose Fittings
TRUFLOW HYDRAULIC HOSE AND FITTINGS

GS-FLH — Code 62 O-Ring Flange Heavy



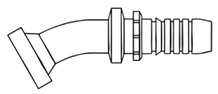
Part #	CODE 62	Hose ID	Cut Off Factor mm
8FLH-8GS	1/2	1/2	55.6
8FLH-10GS	1/2	5/8	58.7
12FLH-8GS	3/4	1/2	55.6
12FLH-10GS	3/4	5/8	58.7
12FLH-12GS	3/4	3/4	63.0
12FLH-16GS	3/4	1	72.6
16FLH-12GS	1	3/4	63.0
16FLH-16GS	1	1	68.6
16FLH-20GS	1	1 1/4	92.0
20FLH-16GS	1 1/4	1	68.3
20FLH-20GS	1 1/4	1 1/4	74.9
24FLH-20GS	1 1/2	1 1/4	88.9

GS-FLH22 — Code 62 O-Ring Flange Heavy - 22 1/2° Bent Tube



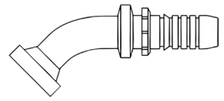
Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
16FLH22M-12GS	1	3/4	14.0	87.1
16FLH22M-16GS	1	1	14.0	98.6
20FLH22M-16GS	1 1/4	1	15.0	114.8
20FLH22M-20GS	1 1/4	1 1/4	15.0	114.8
24FLH22M-20GS	1 1/2	1 1/4	18.0	116.8

GS-FLH30 — Code 62 O-Ring Flange Heavy - 30° Bent Tube



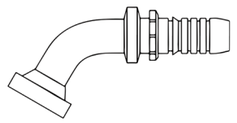
Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
12FLH30M-12GS	3/4	3/4	16.0	78.0
16FLH30M-12GS	1	3/4	19.1	78.0
16FLH30M-16GS	1	1	19.1	96.5
20FLH30M-16GS	1 1/4	1	38.1	101.1
20FLH30M-20GS	1 1/4	1 1/4	22.1	112.8
24FLH30M-20GS	1 1/2	1 1/4	30.0	112.8

GS-FLH45 — Code 62 O-Ring Flange Heavy - 45° Bent Tube



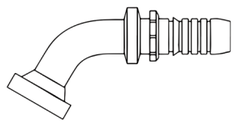
Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
8FLH45M-8GS	1/2	1/2	19.1	56.4
8FLH45M-12GS	1/2	3/4	19.1	64.8
12FLH45M-8GS	3/4	1/2	25.9	63.5
12FLH45M-10GS	3/4	5/8	25.9	76.7
12FLH45M-12GS	3/4	3/4	25.9	72.9
12FLH45M-16GS	3/4	1	25.9	84.6
16FLH45M-12GS	1	3/4	32.0	79.0
16FLH45M-16GS	1	1	32.0	90.7
16FLH45M-20GS	1	1 1/4	32.0	99.8
20FLH45M-16GS	1 1/4	1	38.1	101.1
20FLH45M-20GS	1 1/4	1 1/4	38.1	104.9
24FLH45M-20GS	1 1/2	1 1/4	43.9	104.9

GS-FLH60 — Code 62 O-Ring Flange Heavy - 60° Bent Tube



Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
12FLH60M-12GS	3/4	3/4	37.1	86.1
16FLH60M-12GS	1	3/4	43.9	85.1
16FLH60M-16GS	1	1	43.9	100.6
20FLH60M-20GS	1 1/4	1 1/4	55.1	114.8
24FLH60M-20GS	1 1/2	1 1/4	64.0	122.9

GS-FLH67 — Code 62 O-Ring Flange Heavy - 67 1/2° Bent Tube

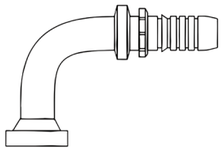


Part #	CODE 62	Hose ID	Drop	Cut Off Factor mm
16FLH67M-16GS	1	1	51.1	94.5

Hose Fittings

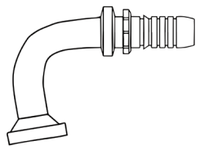
TRUFLOW HYDRAULIC HOSE AND FITTINGS

GS-FLH90 — Code 62 O-Ring Flange Heavy - 90° Bent Tube



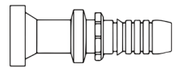
Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
8FLH90M-8GS	1/2	1/2	39.9	50.6
8FLH90-080-8GS	1/2	1/2	80.0	50.6
8FLH90M-10GS	1/2	5/8	39.9	62.7
12FLH90M-8GS	3/4	1/2	57.9	50.6
12FLH90M-10GS	3/4	5/8	57.9	59.7
12FLH90M-12GS	3/4	3/4	57.9	61.0
12FLH90-100-12GS	3/4	3/4	100.1	61.0
12FLH90-122-12GS	3/4	3/4	121.9	71.1
12FLH90M-16GS	3/4	1	57.9	78.5
16FLH90S-12GS	1	3/4	61.0	61.0
16FLH90M-12GS	1	3/4	70.1	61.0
16FLH90-140-12GS	1	3/4	140.0	65.0
16FLH90S-16GS	1	1	61.0	78.5
16FLH90M-16GS	1	1	70.1	78.5
16FLH90-090-16GS	1	1	89.9	83.3
16FLH90-120-16GS	1	1	119.9	77.2
16FLH90S-20GS	1	1 1/4	61.0	88.9
16FLH90M-20GS	1	1 1/4	70.1	88.9
16FLH90-100-20GS	1	1 1/4	100.1	88.9
20FLH90M-12GS	1 1/4	3/4	89.9	71.1
20FLH90S-16GS	1 1/4	1	68.1	76.7
20FLH90M-16GS	1 1/4	1	89.9	76.7
20FLH90-076-20GS	1 1/4	1 1/4	76.0	94.0
20FLH90-120-20GS	1 1/4	1 1/4	119.9	94.0
20FLH90-152-20GS	1 1/4	1 1/4	151.9	94.0
20FLH90M-20GS	1 1/4	1 1/4	89.9	94.0
24FLH90S-16GS	1 1/2	1	81.0	77.2
24FLH90S-20GS	1 1/2	1 1/4	81.0	94.0

GS-FLH110 — Code 62 O-Ring Flange Heavy - 110° Bent Tube



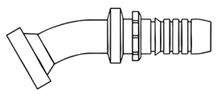
Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
12FLH110-064-12GS	3/4	3/4	70.1	46.0

GS-FLC — Caterpillar Style O-Ring Flange



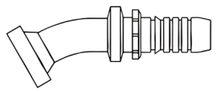
Part #	CAT Flange	Hose ID	Cut Off Factor mm
12FLC-12GS	3/4	3/4	94.0
16FLC-12GS	1	3/4	94.0
16FLC-16GS	1	1	98.3
20FLC-16GS	1 1/4	1	98.3
20FLC-20GS	1 1/4	1 1/4	115.8
24FLC-20GS	1 1/2	1 1/4	115.8

GS-FLC22 — Caterpillar Style O-Ring Flange - 22 1/2° Bent Tube



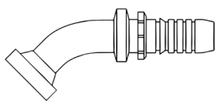
Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
12FLC22-016-12GS	3/4	3/4	16.0	92.0
16FLC22-017-16GS	1	1	17.0	96.0
20FLC22-017-16GS	1 1/4	1	17.0	96.0
20FLC22-017-20GS	1 1/4	1 1/4	17.0	113.8
24FLC22-017-20GS	1 1/2	1 1/4	17.0	113.8

GS-FLC30 — Caterpillar Style O-Ring Flange - 30° Bent Tube



Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
12FLC30-022-12GS	3/4	3/4	22.1	88.9
16FLC30-022-12GS	1	3/4	22.1	89.9
16FLC30-023-16GS	1	1	23.1	93.7
20FLC30-023-16GS	1 1/4	1	23.1	93.7
20FLC30-024-20GS	1 1/4	1 1/4	23.9	112.0
24FLC30-024-20GS	1 1/2	1 1/4	23.9	112.0

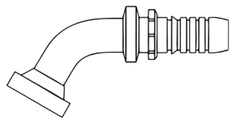
GS-FLC45 — Caterpillar Style O-Ring Flange - 45° Bent Tube



Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
12FLC45-035-12GS	3/4	3/4	35.1	82.0
12FLC45-066-12GS	3/4	3/4	66.0	114.1
16FLC45-035-12GS	1	3/4	35.1	82.0
16FLC45-037-16GS	1	1	37.1	86.4
20FLC45-037-16GS	1 1/4	1	37.1	86.4
20FLC45-037-20GS	1 1/4	1 1/4	37.1	104.9
24FLC45-037-20GS	1 1/2	1 1/4	37.1	104.9

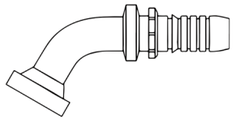
Hose Fittings

GS-FLC60 — Caterpillar Style O-Ring Flange - 60° Bent Tube



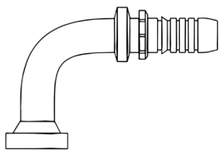
Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
16FLC60-048-12GS	1	3/4	48.0	95.0
16FLC60-050-16GS	1	1	50.0	105.9
20FLC60-050-16GS	1 1/4	1	50.0	105.9
20FLC60M-20GS	1 1/4	1 1/4	52.1	127.0
24FLC60-052-20GS	1 1/2	1 1/4	52.1	127.0

GS-FLC67 — Caterpillar Style O-Ring Flange - 67 1/2° Bent Tube



Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
16FLC67-057-16GS	1	1	56.9	99.1
20FLC67-057-16GS	1 1/4	1	56.9	99.1
20FLC67-059-20GS	1 1/4	1 1/4	58.9	119.9
24FLC67-059-20GS	1 1/2	1 1/4	58.9	119.9

GS-FLC90 — Caterpillar Style O-Ring Flange - 90° Bent Tube



Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
12FLC90-068-12GS	3/4	3/4	68.1	73.9
12FLC90-128-12GS	3/4	3/4	128.0	66.0
16FLC90-068-12GS	1	3/4	68.1	66.0
16FLC90-074-16GS	1	1	73.9	74.2
16FLC90-132-16GS	1	1	132.1	74.2
20FLC90-074-16GS	1 1/4	1	73.9	74.2
20FLC90-132-16GS	1 1/4	1	131.8	74.2
20FLC90-077-20GS	1 1/4	1 1/4	77.0	95.0
20FLC90-150-20GS	1 1/4	1 1/4	149.9	170.2
24FLC90-077-20GS	1 1/2	1 1/4	77.0	95.0
24FLC90-150-20GS	1 1/2	1 1/4	150.1	95.0

Gates GlobalSpiral Plus - GSP Series

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ORFS GlobalSpiral Plus Two Piece Tails B62
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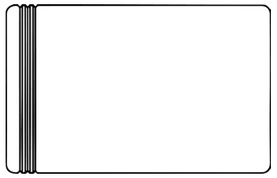
Hose Fittings

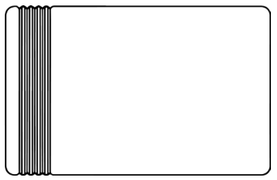
GlobalSpiral Plus Two Piece Tail Ferrules

GSP-1F-2 — GSP Ferrule for Wire Braid Hose



Part #	Hose ID
24GSP1F-2	1 1/2
32GSP1F-2	2

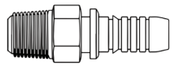
GSP-1F-4 — GSP Ferrule for 4-Spiral Hose



Part #	Hose ID
24GSP1F-4	1 1/2
32GSP1F-4	2

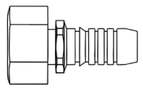
BSP GlobalSpiral Plus Two Piece Tails

GSP-MBSPT — Male British Standard Pipe Tapered



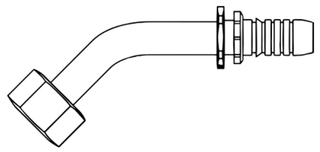
Part #	BSPT M	Hose ID	Cut Off Factor mm
24MBSPT-24GSP	1 1/2-11	1 1/2	56.4

GSP-FBSPORX — Female British Standard Parallel Pipe O-Ring Swivel



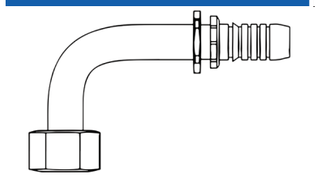
Part #	BSPP F	Hose ID	Cut Off Factor mm
24FBSPORX-24GSP	1 1/2-11	1 1/2	51.1
32FBSPORX-32GSP	2-11	2	59.9

GSP-FBSPORX45 — Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube



Part #	BSPP F	Hose ID	Drop Length mm	Cut Off Factor mm
24FBSPORX45-24GSP	1 1/2-11	1 1/2	49.8	140.7
32FBSPORX45-32GSP	2-11	2	62.2	183.9

GSP-FBSPORX90 — Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube



Part #	BSPP F	Hose ID	Drop Length mm	Cut Off Factor mm
24FBSPORX90-24GSP	1 1/2-11	1 1/2	99.8	120.7
32FBSPORX90-32GSP	2-11	2	129.0	162.6

A Hydraulic Hose
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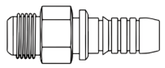
Hose Fittings

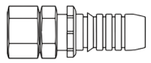
JIC GlobalSpiral Plus Two Piece Tails

GSP-MJ — Male JIC 37° Flare



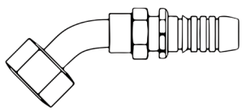
Part #	JIC M	Hose ID	Cut Off Factor mm
20MJ-24GSP	1 5/8-12	1 1/2	53.3
24MJ-24GSP	1 7/8-12	1 1/2	56.4
32MJ-32GSP	2 1/2-12	2	69.1

GSP-FJX — Female JIC 37° Flare Swivel



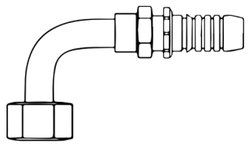
Part #	JIC F	Hose ID	Cut Off Factor mm
24FJX-24GSP	1 7/8-12	1 1/2	69.6
32FJX-24GSP	2 1/2-12	1 1/2	80.5
32FJX-32GSP	2 1/2-12	2	80.5

GSP-FJX45 — Female JIC 37° Flare Swivel - 45° Bent Tube



Part #	JIC F	Hose ID	Drop Length mm	Cut Off Factor mm
24FJX45-050-24GSP	1 7/8-12	1 1/2	50.0	159.5
32FJX45-065-32GSP	2 1/2-12	2	65	175.5

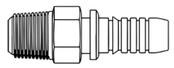
GSP-FJX90 — Female JIC 37° Flare Swivel - 90° Bent Tube



Part #	JIC F	Hose ID	Drop Length mm	Cut Off Factor mm
24FJX90-089-24GSP	1 7/8-12	1 1/2	88.9	138.4
24FJX90-118-24GSP	1 7/8-12	1 1/2	118.1	115.8
32FJX90M-32GSP	2 1/2-12	2	140.0	179.6

NPT GlobalSpiral Plus Two Piece Tails

GSP-MP — Male Pipe (NPTF - 30° Cone Seat)



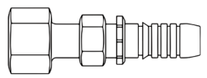
Part #	NPT M	Hose ID	Cut Off Factor mm
24MP-24GSP	1 1/2-11 1/2	1 1/2	59.4

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

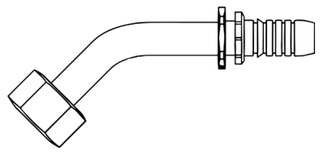
ORFS GlobalSpiral Plus Two Piece Tails

GSP-FFORX — **Female Flat-Face O-Ring Swivel**



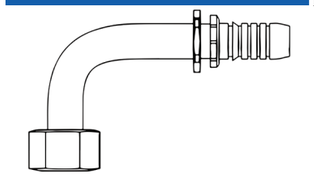
Part #	ORFS F	Hose ID	Cut Off Factor mm
24FFORX-24GSP	2-12	1 1/2	60.2

GSP-FFORX45 — **Female Flat-Face O-Ring Swivel - 45° Bent Tube**



Part #	ORFS F	Hose ID	Drop Length mm	Cut Off Factor mm
24FFORX45-036-24GSP	2-12	1 1/2	68.6	122.2

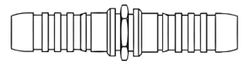
GSP-FFORX90 — **Female Flat-Face O-Ring Swivel - 90° Bent Tube**



Part #	ORFS F	Hose ID	Drop Length mm	Cut Off Factor mm
24FFORX90M-24GSP	2-12	1 1/2	86.6	122.2
24FFORX90L-24GSP	2-12	1 1/2	140.7	122.2

Hose Extender GlobalSpiral Plus Two Piece Tails

GSP-HLE — **Hose Length Extender**



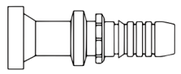
Part #	Hose ID	Hose ID	Cut Off Factor mm
24HLE-24GSP	1 1/2	1 1/2	38.9
32HLE-32GSP	2	2	38.6

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

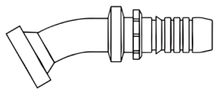
Flange GlobalSpiral Plus Two Piece Tails

GSP-FL — Code 61 O-Ring Flange



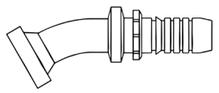
Part #	CODE 61	Hose ID	Cut Off Factor mm
20FL-24GSP	1 1/4	1 1/2	72.4
24FL-24GSP	1 1/2	1 1/2	79.3
24FL-32GSP	1 1/2	2	63.3
32FL-24GSP	2	1 1/2	76.0
32FL-32GSP	2	2	67.3
40FL-32GSP	2 1/2	2	76.0

GSP-FL22 — Code 61 O-Ring Flange - 22 1/2° Bent Tube



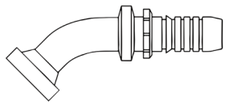
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
24FL22M-24GSP	1 1/2	1 1/2	18.0	137.4
32FL22M-24GSP	2	1 1/2	22.1	140.2
32FL22M-32GSP	2	2	24.6	183.4

GSP-FL30 — Code 61 O-Ring Flange - 30° Bent Tube



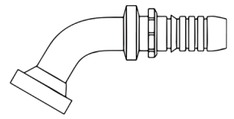
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
24FL30S-24GSP	1 1/2	1 1/2	24.9	134.9
32FL30M-24GSP	2	1 1/2	32.0	136.9
32FL30M-32GSP	2	2	31.8	180.3

GSP-FL45 — Code 61 O-Ring Flange - 45° Bent Tube



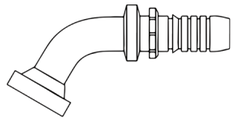
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
20FL45S-24GSP	1 1/4	1 1/2	32.0	114.1
24FL45S-24GSP	1 1/2	1 1/2	38.1	128.3
24FL45S-32GSP	1 1/2	2	38.1	113.8
32FL45S-24GSP	2	1 1/2	52.1	126.2
32FL45-066-32GSP	2	2	66.0	165.1

GSP-FL60 — Code 61 O-Ring Flange - 60° Bent Tube



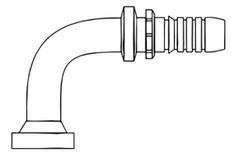
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
24FL60S-24GSP	1 1/2	1 1/2	52.8	157.5
32FL60S-24GSP	2	1 1/2	74.9	160.0
32FL60S-32GSP	2	2	74.9	166.6

GSP-FL67 — Code 61 O-Ring Flange - 67 1/2° Bent Tube



Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
24FL67S-24GSP	1 1/2	1 1/2	61.0	149.9
32FL67S-24GSP	2	1 1/2	84.6	149.9
32FL67S-32GSP	2	2	97.5	166.6

GSP-FL90 — Code 61 O-Ring Flange - 90° Bent Tube

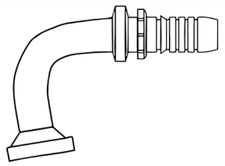


Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
20FL90S-24GSP	1 1/4	1 1/2	68.1	99.6
24FL90S-24GSP	1 1/2	1 1/2	81.0	110.0
24FL90M-24GSP	1 1/2	1 1/2	103.9	101.9
24FL90-148-24GSP	1 1/2	1 1/2	148.1	101.9
24FL90S-32GSP	1 1/2	2	81.0	104.9
32FL90-080-24GSP	2	1 1/2	80.0	101.9
32FL90S-24GSP	2	1 1/2	119.9	101.9
32FL90-170-24GSP	2	1 1/2	169.9	101.4
32FL90-114-32GSP	2	2	114.1	130.1
32FL90-165-32GSP	2	2	165.1	153.9
32FL90-200-32GSP	2	2	202.4	130.3
40FL90-110-32GSP	2 1/2	2	111.3	126.5

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

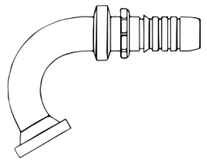
Hose Fittings

GSP-FL110 — Code 61 O-Ring Flange - 110° Bent Tube



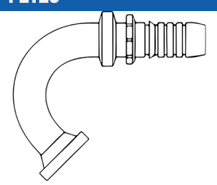
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
24FL110-094-24GSP	1 1/2	1 1/2	94.0	128.8
32FL110-140-32GSP	2	2	140.0	162.6

GSP-FL120 — Code 61 O-Ring Flange - 120° Bent Tube



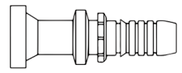
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
24FL120-119-24GSP	1 1/2	1 1/2	119.1	109.5

GSP-FL125 — Code 61 O-Ring Flange - 125° Bent Tube



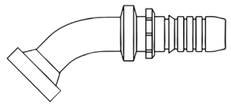
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
32FL125-150-32GSP	2	2	99.1	119.4

GSP-FLH — Code 62 O-Ring Flange Heavy



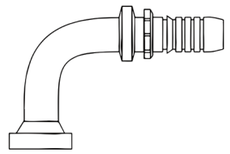
Part #	CODE 62	Hose ID	Cut Off Factor mm
24FLH-24GSP	1 1/2	1 1/2	93.5
32FLH-24GSP	2	1 1/2	93.5
32FLH-32GSP	2	2	87.9

GSP-FLH45 — Code 62 O-Ring Flange Heavy - 45° Bent Tube



Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
24FLH45M-24GSP	1 1/2	1 1/2	43.9	118.1
32FLH45S-24GSP	2	1 1/2	52.1	126.5
32FLH45-066-32GSP	2	2	66.0	179.3

GSP-FLH90 — Code 62 O-Ring Flange Heavy - 90° Bent Tube



Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
24FLH90-094-24GSP	1 1/2	1 1/2	94.0	101.9
32FLH90S-24GSP	2	1 1/2	119.9	103.1
32FLH90M-32GSP	2	2	137.2	129.3

Hose Fittings

Gates GlobalSpiral MAX - GSM Sreirs

Contents

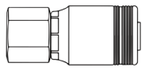
BSP GlobalSpiral MAX One Piece Tail B70
JIC GlobalSpiral MAX One Piece Tail. B71
Metric GlobalSpiral MAX One Piece Tail B72
Hose Extender GlobalSpiral MAX One Piece Tail B73
Flange GlobalSpiral MAX One Piece Tail B74

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

BSP GlobalSpiral MAX One Piece Tail

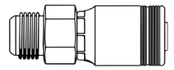
GSM-FBSPORX — **Female British Standard Parallel Pipe O-Ring Swivel**



Part #	BSPP F	Hose ID	Cut Off Factor mm
24FBSPORX-24GSM	1 1/2-11	1 1/2	58.9
32FBSPORX-32GSM	2-11	2	70.0

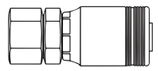
JIC GlobalSpiral MAX One Piece Tail

GSM-MJ — **Male JIC 37° Flare**



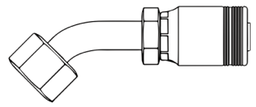
Part #	JIC M	Hose ID	Cut Off Factor mm
24MJ-24GSM	1 7/8-12	1 1/2	67.3
32MJ-32GSM	2 1/2-12	2	82.1

GSM-FJX — **Female JIC 37° Flare Swivel**



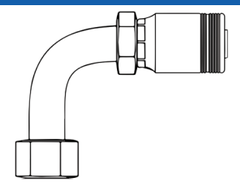
Part #	JIC F	Hose ID	Cut Off Factor mm
24FJX-24GSM	1 7/8-12	1 1/2	77.2
32FJX-32GSM	2 1/2-12	2	91.1

GSM-FJX45 — **Female JIC 37° Flare Swivel - 45° Bent Tube**



Part #	JIC F	Hose ID	Drop Length mm	Cut Off Factor mm
24FJX45-034-24GSM	1 7/8-12	1 1/2	34.0	130.8

GSM-FJX90 — **Female JIC 37° Flare Swivel - 90° Bent Tube**



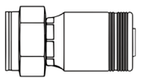
Part #	JIC F	Hose ID	Drop Length mm	Cut Off Factor mm
24FJX90M-24GSM	1 7/8-12	1 1/2	86.1	182.4

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

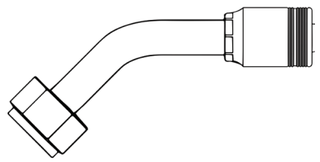
Metric GlobalSpiral MAX One Piece Tail

GSM-FDHORX — **Female DIN 24° Cone Swivel - Heavy Series with O-Ring**



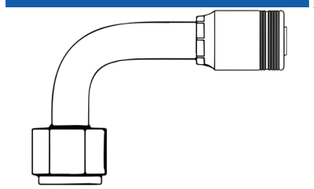
Part #	MDH F	Hose ID	Cut Off Factor mm
38FDHORX-24GSM	M52X2.0	1 1/2	85.1

GSM-FDHORX45 — **Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube**



Part #	MDH F	Hose ID	Drop Length mm	Cut Off Factor mm
38FDHORX45-24GSM	M52X2.0	1 1/2	44.2	142.0

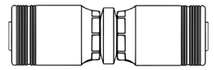
GSM-FDHORX90 — **Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube**



Part #	MDH F	Hose ID	Drop Length mm	Cut Off Factor mm
38FDHORX90-24GSM	M52X2.0	1 1/2	92.0	127.5

Hose Extender GlobalSpiral MAX One Piece Tail

GSM-HLE — **Hose Length Extender**



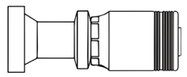
Part #	Hose ID	Hose ID	Cut Off Factor mm
32HLE-32GSM	2	2	54.4
40HLE-40GSM	2 1/2	2 1/2	68.0
48HLE-48GSM	3	3	73.9

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

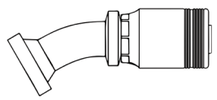
Flange GlobalSpiral MAX One Piece Tail

GSM-FL — Code 61 O-Ring Flange



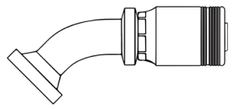
Part #	CODE 61	Hose ID	Cut Off Factor mm
24FL-24GSM	1 1/2	1 1/2	85.1
32FL-24GSM	2	1 1/2	93.0
32FL-32GSM	2	2	137.4
40FL-40GSM	2 1/2	2 1/2	122.9

GSM-FL30 — Code 61 O-Ring Flange - 30° Bent Tube



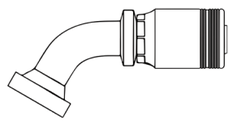
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
24FL30M-24GSM	1 1/2	1 1/2	45.0	127.0

GSM-FL45 — Code 61 O-Ring Flange - 45° Bent Tube



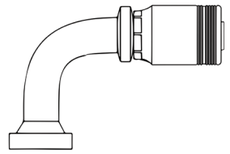
Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
24FL45M-24GSM	1 1/2	1 1/2	43.9	134.9
32FL45S-24GSM	2	1 1/2	52.1	136.6
32FL45M-32GSM	2	2	56.0	173.6

GSM-FL60 — Code 61 O-Ring Flange - 60° Bent Tube



Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
24FL60M-24GSM	1 1/2	1 1/2	64.0	146.1

GSM-FL90 — Code 61 O-Ring Flange - 90° Bent Tube

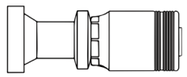


Part #	CODE 61	Hose ID	Drop Length mm	Cut Off Factor mm
24FL90S-24GSM	1 1/2	1 1/2	81.0	119.9
32FL90-130-32GSM	2	2	130.0	150.5

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

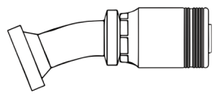
Hose Fittings

GSM-FLH — Code 62 O-Ring Flange Heavy



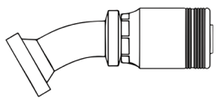
Part #	CODE 62	Hose ID	Cut Off Factor mm
20FLH-24GSM	1 1/4	1 1/2	104.9
24FLH-24GSM	1 1/2	1 1/2	104.9
24FLH-32GSM	1 1/2	2	116.0
32FLH-24GSM	2	1 1/2	104.9
32FLH-32GSM	2	2	137.4

GSM-FLH22 — Code 62 O-Ring Flange Heavy - 22° Bent Tube



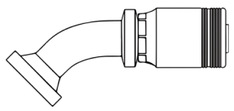
Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
24FLH22M-24GSM	1 1/2	1 1/2	17.9	148.4
24FLH20-024-24GSM	1 1/2	1 1/2	23.9	147.6

GSM-FLH30 — Code 62 O-Ring Flange Heavy - 30° Bent Tube



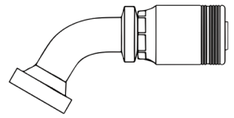
Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
24FLH30-28-24GSM	1 1/2	1 1/2	27.9	130.0
24FLH30M-24GSM	1 1/2	1 1/2	89.9	144.8
32FLH30-040-32GSM	2	2	40.0	194.6

GSM-FLH45 — Code 62 O-Ring Flange Heavy - 45° Bent Tube



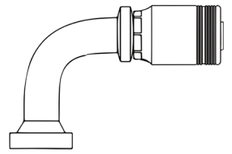
Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
24FLH45M-24GSM	1 1/2	1 1/2	43.9	136.9
32FLH45M-24GSM	2	1 1/2	55.9	146.0
32FLH45-063-32GSM	2	2	63.0	152.5

GSM-FLH60 — Code 62 O-Ring Flange Heavy - 60° Bent Tube



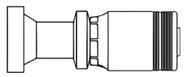
Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
24FLH60M-24GSM	1 1/2	1 1/2	63.5	158.2
32FLH60M-32GSM	2	2	83.1	197.4

GSM-FLH90 — Code 62 O-Ring Flange Heavy - 90° Bent Tube



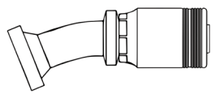
Part #	CODE 62	Hose ID	Drop Length mm	Cut Off Factor mm
24FLH90-094-24GSM	1 1/2	1 1/2	94.0	118.9
24FLH90-150-24GSM	1 1/2	1 1/2	149.9	118.9
32FLH90S-24GSM	2	1 1/2	119.9	118.9
32FLH90S-32GSM	2	2	120.0	150.0
32FLH90M-32GSM	2	2	138.0	150.0
32FLH90-159-32GSM	2	2	159.0	150.4

GSM-FLC — Caterpillar Style O-Ring Flange



Part #	CAT Flange	Hose ID	Cut Off Factor mm
24FLC-24GSM	1 1/2	1 1/2	94.2
24FLCL-24GSM	1 1/2	1 1/2	143.3
32FLC-24GSM	2	1 1/2	104.9
32FLC-32GSM	2	2	113.8

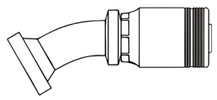
GSM-FLC22 — Caterpillar Style O-Ring Flange - 22° Bent Tube



Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
24FLC22-017-24GSM	1 1/2	1 1/2	16.8	141.5
32FLC22-022-24GSM	2	1 1/2	22.1	104.9

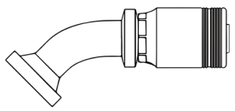
Hose Fittings

GSM-FLC30 — Caterpillar Style O-Ring Flange - 30° Bent Tube



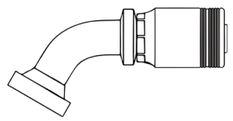
Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
24FLC30-023-24GSM	1 1/2	1 1/2	22.9	139.5
32FLC30-035-24GSM	2	1 1/2	34.8	161.6
32FLC30-035-32GSM	2	2	35.0	187.2

GSM-FLC45 — Caterpillar Style O-Ring Flange - 45° Bent Tube



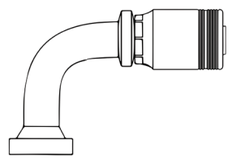
Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
24FLC45-039-24GSM	1 1/2	1 1/2	39.1	132.1
32FLC45-059-24GSM	2	1 1/2	58.9	149.0
32FLC45-064-32GSM	2	2	64.0	173.5

GSM-FLC60 — Caterpillar Style O-Ring Flange - 60° Bent Tube



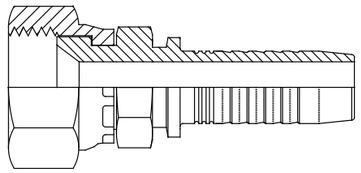
Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
24FLC60-055-24GSM	1 1/2	1 1/2	55.1	156.7
32FLC60-087-24GSM	2	1 1/2	86.9	201.9
32FLC60-083-32GSM	2	2	83.1	207.5

GSM-FLC90 — Caterpillar Style O-Ring Flange - 90° Bent Tube



Part #	CAT Flange	Hose ID	Drop Length mm	Cut Off Factor mm
24FLC90-087-24GSM	1 1/2	1 1/2	87.1	119.4
32FLC90-140-24GSM	2	1 1/2	140.0	129.9
32FLC90-130-32GSM	2	2	130.0	150.5

Hose Fittings



C	J	FS			-	08	-	08
1	2	3	4	5		6		7

1 Connection Type

C	Crimp Tail
FA	Field Attachable Tail
FAR5	R5 Field Attachable Tail
P	Push Lock Tail
S	Suction Tail

2 Thread Type

B	BSPT
BANJO	Banjo (BSPP and Metric)
BP	BSPP
J	JIC
JIS	JIS (BSP)
KM	Komatsu (JIS Metric)
MBANJO	Metric Banjo
MH	Metric Heavy (S)
ML	Metric Light (L)
MS	Metric Stud
N	NPT
ORS	ORFS
S	SAE
SINV	SAE Inverted Flare
SF61	SAE Flange Code 61
SF62	SAE Flange Code 62
U	UNO
UP	UNO (with positional nut)

3 Thread Gender

FS	Female Swivel
M	Male
MS	Male Swivel

4 Bend Orientation

45	45
90	90

*Omit if Straight

5 Bend Style

C	Compact
S	Swept

*Omit if Straight

6 Thread Sizes

Imperial

Dash Size	BSP / NPT / JIS (BSPP)	JIC / UNO	ORFS	SAE (45)	FLANGE
02	1/8	5/16			
03		3/8			
04	1/4	7/16	9/16		
05		1/2			
06	3/8	9/16	11/16	5/8	
08	1/2	3/4	13/16		1/2
10	5/8	7/8	1	7/8	5/8
12	3/4	1 1/16	1 3/16	1 1/16	3/4
14		1 3/16			
16	1	1 5/16	1 7/16		1
20	1 1/4	1 5/8	1 11/16		1 1/4
24	1 1/2	1 7/8	2		1 1/2
32	2	2 1/2			2
40					2 1/2

Metric

Dash	Light	Heavy	Komatsu JIS
-10M	M10X1.0 (6LL)		
-12M	M12X1.5 (12L)		M12X1.5
-14M	M14X1.5 (8L)	M14X1.5 (6S)	M14X1.5
-16M	M16X1.5 (10L)	M16X1.5 (8S)	M16X1.5
-18M	M18X1.5 (12L)	M18X1.5 (10S)	M18X1.5
-20M		M20X1.5 (12S)	M20X1.5
-22M	M22X1.5 (15L)	M22X1.5 (14S)	M22X1.5
-24M		M24X1.5 (16S)	M24X1.5
-26M	M26X1.5 (18L)		
-27M			
-30M	M30X2 (22L)	M30X2 (20S)	M30X1.5
-33M			M33X1.5
-36M	M36X2 (28L)	M36X2 (25S)	M36X1.5
-42M		M42X2 (30S)	M42X1.5
-45M	M45X2 (35L)		
-52M	M52X2 (42L)	M52X2 (38S)	

7 Hose Size

02	1/8
03	3/16
04	1/4
05	5/16
06	3/8
08	1/2
10	5/8
12	3/4
16	1
20	1 1/4
24	1 1/2
32	2 45 45

Did you know Truflow is one of the leading suppliers of TLX Rock Breaking Couplings in Australia?

Hose Fittings

TRUFLOW
Two Piece Crimp Tails

Contents

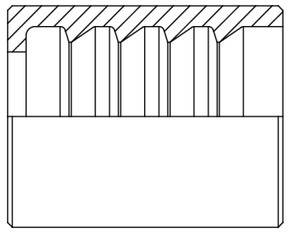
Two Piece Crimp Ferrules B84
BSP Two Piece Crimp Tails B86
JIS (BSPP) Two Piece Crimp Tails B89
Banjo (BSPP) Two Piece Crimp Tails B90
JIC Two Piece Crimp Tails B91
Metric Two Piece Crimp Tails B95
Banjo (Metric) Two Piece Crimp Tails B99
NPT Two Piece Crimp Tails B100
ORFS Two Piece Crimp Tails B101
SAE Two Piece Crimp Tails B103
UNO Two Piece Crimp Tails B104
Hose Joiners Two Piece Crimp Tails B105
Tube Weld Two Piece Crimp Tails B106
WEO Two Piece Crimp Tails B107

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings
TRUFLOW HYDRAULIC HOSE AND FITTINGS

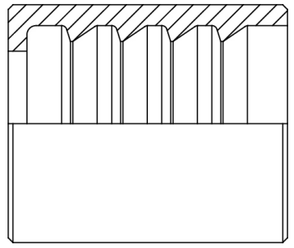
Two Piece Crimp Ferrules

CN1 — CRIMP TAIL Ferrule SUIT R1T & 1SN



Part #	Hose ID
CN1-04	1/4
CN1-04SS*	1/4
CN1-06	3/8
CN1-06SS*	3/8
CN1-08	1/2
CN1-08SS*	1/2
CN1-10	5/8
CN1-12	3/4
CN1-12SS*	3/4
CN1-16	1
CN1-16SS*	1
CN1-20	1 1/4
CN1-24	1 1/2
CN1-32	2

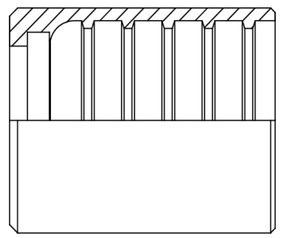
CN2 — CRIMP TAIL Ferrule SUIT R2T & 2 SN



Part #	Hose ID
CN2-04	1/4
CN2-04SS*	1/4
CN2-05	5/16
CN2-06	3/8
CN2-06SS*	3/8
CN2-08	1/2
CN2-08SS*	1/2
CN2-10	5/8
CN2-12	3/4
CN2-12SS*	3/4
CN2-16	1
CN2-16SS*	1
CN2-20	1 1/4
CN2-20SS*	1 1/4
CN2-24	1 1/2
CN2-32	2

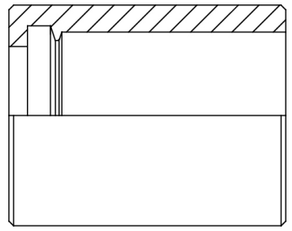
* SS = Stainless Steel

CN7 — CRIMP TAIL Ferrule SUIT R7



Part #	Hose ID
CN7-03	3/16
CN7-04	1/4
CN7-05	5/16
CN7-05SS*	5/16
CN7-06	3/8
CN7-06SS*	3/8
CN7-08	1/2
CN7-12	3/4
CN7-16	1

CT — CRIMP TAIL Ferrule SUIT SUIT PTFE HOSE



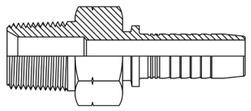
Part #	Hose ID
CT-04	1/4
CT-04SS*	1/4
CT-06	3/8
CT-06SS*	3/8
CT-08	1/2
CT-10	5/8
CT-12	3/4
CT-12SS*	3/4
CT-16	1

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

BSP Two Piece Crimp Tails

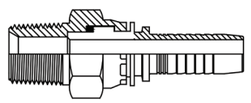
CBM — BSPT MALE X CRIMP TAIL STRAIGHT



Part #	BSPT M	Hose ID
CBM-02-04	1/8	1/4
CBM-04-04	1/4	1/4
CBM-04-04SS*	1/4	1/4
CBM-04-06	1/4	3/8
CBM-06-04	3/8	1/4
CBM-06-05	3/8	5/16
CBM-06-06	3/8	3/8
CBM-06-08	3/8	1/2
CBM-08-06	1/2	3/8
CBM-08-08	1/2	1/2
CBM-08-08SS*	1/2	1/2
CBM-08-12	1/2	3/4
CBM-12-10	3/4	5/8
CBM-12-12	3/4	3/4
CBM-12-12SS*	3/4	3/4
CBM-12-16	3/4	1
CBM-16-12	1	3/4
CBM-16-16	1	1
CBM-20-16SS*	1 1/4	1
CBM-20-20	1 1/4	1 1/4
CBM-24-24	1 1/2	1 1/2
CBM-32-32	2	2

CBMS — BSPT MALE SWIVEL X CRIMP TAIL STRAIGHT

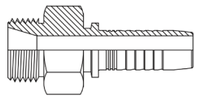
Not to be used as a live swivel.



Part #	BSPT M	Hose ID
CBMS-08-08	1/2	1/2

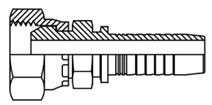
* SS = Stainless Steel

CBPM — BSPP MALE X CRIMP TAIL STRAIGHT



Part #	BSPP M	Hose ID
CBPM-04-04	1/4	1/4
CBPM-06-04	3/8	1/4
CBPM-06-06	3/8	3/8
CBPM-08-06	1/2	3/8
CBPM-08-08	1/2	1/2
CBPM-12-12	3/4	3/4
CBPM-16-12	1	3/4

CBFS — BSPP FEMALE SWIVEL X CRIMP TAIL STRAIGHT

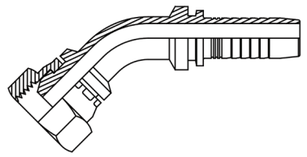


Part #	BSPP F	Hose ID
CBFS-02-04	1/8	1/4
CBFS-04-04	1/4	1/4
CBFS-04-04SS*	1/4	1/4
CBFS-04-06	1/4	3/8
CBFS-06-04	3/8	1/4
CBFS-06-05	3/8	5/16
CBFS-06-06	3/8	3/8
CBFS-06-06SS*	3/8	3/8
CBFS-06-08	3/8	1/2
CBFS-08-06	1/2	3/8
CBFS-08-08	1/2	1/2
CBFS-08-08SS*	1/2	1/2
CBFS-08-12	1/2	3/4
CBFS-10-08	5/8	1/2
CBFS-10-10	5/8	5/8
CBFS-12-08	3/4	1/2
CBFS-12-10	3/4	5/8
CBFS-12-12	3/4	3/4
CBFS-12-12SS*	3/4	3/4
CBFS-16-12	1	3/4
CBFS-16-16	1	1
CBFS-16-16SS*	1	1
CBFS-20-20	1 1/4	1 1/4
CBFS-20-20SS*	1 1/4	1 1/4
CBFS-24-24	1 1/2	1 1/2
CBFS-32-32	2	2

* SS = Stainless Steel

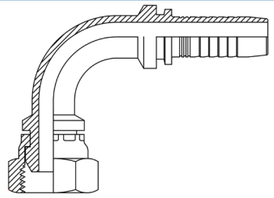
Hose Fittings

CBFS45S — BSPP FEMALE SWIVEL X CRIMP TAIL SWETP 45°



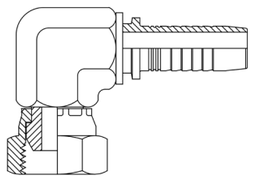
Part #	BSPP F	Hose ID
CBFS45S-04-04	1/4	1/4
CBFS45S-06-06	3/8	3/8
CBFS45S-08-08	1/2	1/2
CBFS45S-12-12	3/4	3/4
CBFS45S-16-16	1	1

CBFS90S — BSPP FEMALE SWIVEL X CRIMP TAIL SWETP 90°



Part #	BSPP F	Hose ID
CBFS90S-04-04	1/4	1/4
CBFS90S-04-04SS	1/4	1/4
CBFS90S-06-04	3/8	1/4
CBFS90S-06-06	3/8	3/8
CBFS90S-06-06SS	3/8	3/8
CBFS90S-08-06	1/2	3/8
CBFS90S-08-08	1/2	1/2
CBFS90S-08-08SS	1/2	1/2
CBFS90S-10-10	5/8	5/8
CBFS90S-12-12	3/4	3/4
CBFS90S-12-12SS	3/4	3/4
CBFS90S-16-16	1	1
CBFS90S-16-16SS	1	1
CBFS90S-20-20	1 1/4	1 1/4
CBFS90S-20-20SS	1 1/4	1 1/4
CBFS90S-24-24	1 1/2	1 1/2
CBFS90S-32-32	2	2

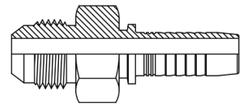
CBFS90C — BSPP FEMALE SWIVEL X CRIMP TAIL COMPACT 90°



Part #	BSPP F	Hose ID
CBFS90C-04-04	1/4	1/4
CBFS90C-06-06	3/8	3/8
CBFS90C-08-08	1/2	1/2
CBFS90C-12-12	3/4	3/4
CBFS90C-16-16	1	1

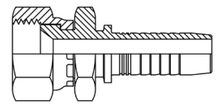
JIS (BSPP) Two Piece Crimp Tails

CJISM — JIS MALE X CRIMP TAIL STRAIGHT



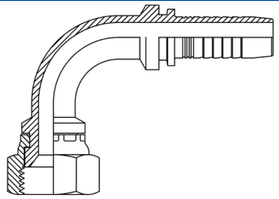
Part #	JIS (BSP) M	Hose ID
CJISM-04-04	1/4	1/4
CJISM-06-06	3/8	3/8

CJISFS — JIS FEMALE SWIVEL X CRIMP TAIL STRAIGHT



Part #	JIS (BSP) F	Hose ID
CJISFS-04-04	1/4	1/4
CJISFS-06-04	3/8	1/4
CJISFS-06-06	3/8	3/8
CJISFS-08-08	1/2	1/2
CJISFS-12-12	3/4	3/4

CJISFS90S — JIS FEMALE SWIVEL X CRIMP TAIL SWETP 90°



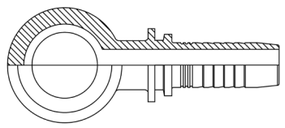
Part #	JIS (BSP) F	Hose ID
CJISFS90S-04-04	1/4	1/4
CJISFS90S-06-04	3/8	1/4
CJISFS90S-06-06	3/8	3/8
CJISFS90S-08-08	1/2	1/2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

Banjo (BSPP) Two Piece Crimp Tails

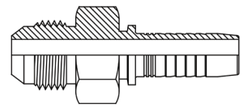
CBBANJO | **BSPP BANJO X CRIMP TAIL STRAIGHT**



Part #	BSPP	Hose ID
CBANJO-04-04	1/4	1/4
CBANJO-06-06	3/8	3/8
CBANJO-08-08	1/2	1/2
CBANJO-12-12	3/4	3/4
CBANJO-16-16	1	1

JIC Two Piece Crimp Tails

CJM | **JIC MALE X CRIMP TAIL STRAIGHT**

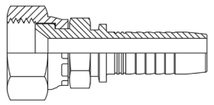


Part #	JIC M	Hose ID
CJM-04-04	7/16	1/4
CJM-05-04	1/2	1/4
CJM-06-04	9/16	1/4
CJM-06-05	9/16	5/16
CJM-06-06	9/16	3/8
CJM-08-06	3/4	3/8
CJM-08-08	3/4	1/2
CJM-08-08SS	3/4	1/2
CJM-10-06	7/8	3/8
CJM-10-08	7/8	1/2
CJM-10-10	7/8	5/8
CJM-10-12	7/8	3/4
CJM-12-10	1 1/16	5/8
CJM-12-12	1 1/16	3/4
CJM-16-16	1 5/16	1

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

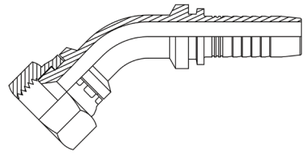
Hose Fittings

CJFS — JIC FEMALE SWIVEL X CRIMP TAIL STRAIGHT



Part #	JIC F	Hose ID
CJFS-04-04	7/16	1/4
CJFS-04-04SS	7/16	1/4
CJFS-04-06	7/16	3/8
CJFS-05-04	1/2	1/4
CJFS-06-04	9/16	1/4
CJFS-06-05	9/16	5/16
CJFS-06-06	9/16	3/8
CJFS-06-06SS	9/16	3/8
CJFS-06-08	9/16	1/2
CJFS-08-06	3/4	3/8
CJFS-08-08	3/4	1/2
CJFS-08-08SS	3/4	1/2
CJFS-10-06	7/8	3/8
CJFS-10-08	7/8	1/2
CJFS-10-08SS	7/8	1/2
CJFS-10-10	7/8	5/8
CJFS-10-12	7/8	3/4
CJFS-12-08	1 1/16	1/2
CJFS-12-08SS	1 1/16	1/2
CJFS-12-10	1 1/16	5/8
CJFS-12-12	1 1/16	3/4
CJFS-12-12SS	1 1/16	3/4
CJFS-12-16	1 1/16	1
CJFS-14-12	1 3/16	3/4
CJFS-16-12	1 5/16	3/4
CJFS-16-16	1 5/16	1
CJFS-16-16SS	1 5/16	1
CJFS-20-20	1 5/8	1 1/4
CJFS-20-20SS	1 5/8	1 1/4
CJFS-24-24	1 7/8	1 1/2
CJFS-32-32	2 1/2	2

CJFS45S — JIC FEMALE SWIVEL X CRIMP TAIL SWETP 45°

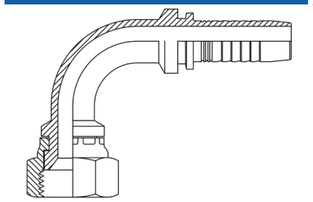


Part #	JIC F	Hose ID
CJFS45S-04-04	7/16	1/4
CJFS45S-04-04SS	7/16	1/4
CJFS45S-05-04	1/2	1/4
CJFS45S-06-04	9/16	1/4
CJFS45S-06-06	9/16	3/8
CJFS45S-08-06	3/4	3/8
CJFS45S-08-08	3/4	1/2
CJFS45S-10-08	7/8	1/2
CJFS45S-10-10	7/8	5/8
CJFS45S-10-12	7/8	3/4
CJFS45S-12-10	1 1/16	5/8
CJFS45S-12-12	1 1/16	3/4
CJFS45S-16-12	1 5/16	3/4
CJFS45S-16-16	1 5/16	1
CJFS45S-20-20	1 5/8	1 1/4
CJFS45S-24-24	1 7/8	1 1/2
CJFS45S-32-32	2 1/2	2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

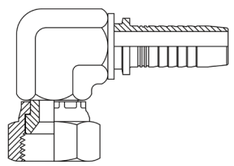
Hose Fittings

CJFS90S — JIC FEMALE SWIVEL X CRIMP TAIL SWETP 90°



Part #	JIC F	Hose ID
CJFS90S-04-04	7/16	1/4
CJFS90S-04-04SS	7/16	1/4
CJFS90S-05-04	1/2	1/4
CJFS90S-06-04	9/16	1/4
CJFS90S-06-06	9/16	3/8
CJFS90S-06-06SS	9/16	3/8
CJFS90S-08-06	3/4	3/8
CJFS90S-08-08	3/4	1/2
CJFS90S-08-08SS	3/4	1/2
CJFS90S-10-08	7/8	1/2
CJFS90S-10-08SS	7/8	1/2
CJFS90S-10-10	7/8	5/8
CJFS90S-10-12	7/8	3/4
CJFS90S-12-08	1 1/16	1/2
CJFS90S-12-10	1 1/16	5/8
CJFS90S-12-12	1 1/16	3/4
CJFS90S-12-12SS	1 1/16	3/4
CJFS90S-16-12	1 5/16	3/4
CJFS90S-16-16	1 5/16	1
CJFS90S-16-16SS	1 5/16	1
CJFS90S-20-16	1 5/8	1
CJFS90S-20-20	1 5/8	1 1/4
CJFS90S-24-24	1 7/8	1 1/2
CJFS90S-32-32	2 1/2	2

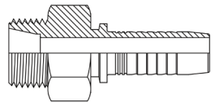
CJFS90C — JIC FEMALE SWIVEL X CRIMP TAIL COMPACT 90°



Part #	JIC F	Hose ID
CJFS90C-04-04	7/16	1/4
CJFS90C-06-04	9/16	1/4
CJFS90C-06-06	9/16	3/8
CJFS90C-08-06	3/4	3/8
CJFS90C-08-08	3/4	1/2
CJFS90C-10-08	7/8	1/2
CJFS90C-12-12	1 1/16	3/4
CJFS90C-16-16	1 5/16	1

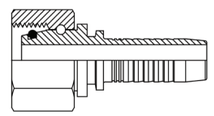
Metric Two Piece Crimp Tails

CMLM — METRIC LIGHT MALE X CRIMP TAIL STRAIGHT



Part #	Metric M	Hose ID
CMLM-12M-04	M12	1/4
CMLM-14M-04	M14	1/4
CMLM-16M-04	M16	1/4
CMLM-16M-06	M16	3/8
CMLM-18M-06	M18	3/8
CMLM-18M-08	M18	1/2
CMLM-22M-06	M22	3/8
CMLM-22M-08	M22	1/2
CMLM-26M-10	M26	5/8
CMLM-26M-12	M26	3/4
CMLM-30M-12	M30	3/4
CMLM-36M-12	M36	3/4
CMLM-36M-16	M36	1
CMLM-45M-20	M45	1 1/4
CMLM-52M-24	M52	1 1/2

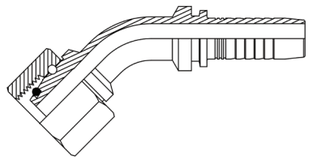
CMLFS — METRIC LIGHT FEMALE SWIVEL X CRIMP TAIL STRAIGHT



Part #	Metric F	Hose ID
CMLFS-12M-04	M12	1/4
CMLFS-14M-04	M14	1/4
CMLFS-16M-04	M16	1/4
CMLFS-16M-06	M16	3/8
CMLFS-18M-06	M18	3/8
CMLFS-18M-08	M18	1/2
CMLFS-22M-06	M22	3/8
CMLFS-22M-08	M22	1/2
CMLFS-26M-10	M26	5/8
CMLFS-26M-12	M26	3/4
CMLFS-30M-10	M30	5/8
CMLFS-30M-12	M30	3/4
CMLFS-36M-16	M36	1

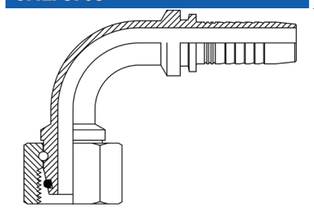
Hose Fittings

CMLFS45S — METRIC LIGHT FEMALE SWIVEL X CRIMP TAIL SWETP 45°



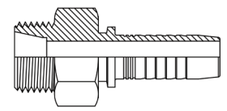
Part #	Metric F	Hose ID
CMLFS45S-18M-06	M18	3/8
CMLFS45S-22M-06	M22	3/8
CMLFS45S-22M-08	M22	1/2

CMLFS90S — METRIC LIGHT FEMALE SWIVEL X CRIMP TAIL SWETP 90°



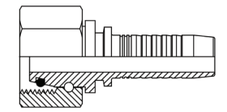
Part #	Metric F	Hose ID
CMLFS90S-12M-04	M12	1/4
CMLFS90S-14M-04	M14	1/4
CMLFS90S-16M-04	M16	1/4
CMLFS90S-16M-06	M16	3/8
CMLFS90S-18M-06	M18	3/8
CMLFS90S-22M-06	M22	3/8
CMLFS90S-22M-08	M22	1/2
CMLFS90S-26M-08	M26	1/2
CMLFS90S-26M-10	M26	5/8
CMLFS90S-26M-12	M26	3/4
CMLFS90S-30M-10	M30	5/8
CMLFS90S-30M-12	M30	3/4
CMLFS90S-36M-12	M36	3/4
CMLFS90S-36M-16	M36	1
CMLFS90S-45M-16	M45	1

CMHM — METRIC HEAVY MALE X CRIMP TAIL STRAIGHT



Part #	Metric M	Hose ID
CMHM-14M-04	M14	1/4
CMHM-16M-04	M16	1/4
CMHM-16M-06	M16	3/8
CMHM-18M-06	M18	3/8
CMHM-20M-06	M20	3/8
CMHM-22M-06	M22	3/8
CMHM-22M-08	M22	1/2
CMHM-24M-08	M24	1/2
CMHM-30M-10	M30	5/8
CMHM-30M-12	M30	3/4
CMHM-36M-12	M36	3/4
CMHM-36M-16	M36	1
CMHM-42M-16	M42	1

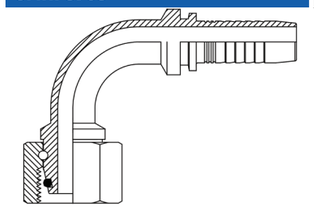
CMHFS — METRIC HEAVY FEMALE SWIVEL X CRIMP TAIL STRAIGHT



Part #	Metric F	Hose ID
CMHFS-14M-04	M14	1/4
CMHFS-16M-04	M16	1/4
CMHFS-18M-04	M18	1/4
CMHFS-18M-06	M18	3/8
CMHFS-20M-06	M20	3/8
CMHFS-20M-08	M20	1/2
CMHFS-22M-06	M22	3/8
CMHFS-22M-08	M22	1/2
CMHFS-24M-08	M24	1/2
CMHFS-30M-10	M30	5/8
CMHFS-30M-12	M30	3/4
CMHFS-36M-12	M36	3/4
CMHFS-36M-16	M36	1
CMHFS-42M-16	M42	1

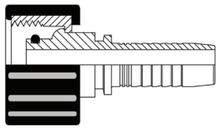
Hose Fittings

CMHFS90S — METRIC HEAVY FEMALE SWIVEL X CRIMP TAIL SWETP 90°



Part #	Metric F	Hose ID
CMHFS90S-14M-04	M14	1/4
CMHFS90S-16M-04	M16	1/4
CMHFS90S-18M-04	M18	1/4
CMHFS90S-18M-06	M18	3/8
CMHFS90S-20M-06	M20	3/8
CMHFS90S-22M-06	M22	3/8
CMHFS90S-24M-08	M24	1/2
CMHFS90S-30M-10	M30	5/8
CMHFS90S-30M-12	M30	3/4
CMHFS90S-36M-12	M36	3/4
CMHFS90S-36M-16	M36	1
CMHFS90S-42M-16	M42	1

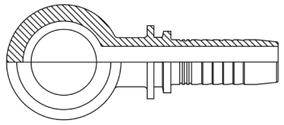
CKARCHERFS — METRIC KARCHER W- PLASTIC NUT FEMALE SWIVEL X CRIMP TAIL STRAIGHT



Part #	Metric F	Hose ID
CKARCHERFS-22M-06	M22	3/8

Banjo (Metric) Two Piece Crimp Tails

CMBANJO — METRIC BANJO X CRIMP TAIL STRAIGHT



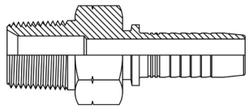
Part #	Metric	Hose ID
CBANJO-10M-04	M10	1/4
CBANJO-12M-04	M12	1/4
CBANJO-12M-06	M12	3/8
CBANJO-14M-04	M14	1/4
CBANJO-14M-05	M14	5/16
CBANJO-14M-06	M14	3/8
CBANJO-16M-04	M16	1/4
CBANJO-16M-06	M16	3/8
CBANJO-18M-06	M18	3/8
CBANJO-18M-08	M18	1/2
CBANJO-22M-08	M22	1/2
CBANJO-22M-10	M22	5/8
CBANJO-26M-10	M26	5/8
CBANJO-26M-12	M26	3/4
CBANJO-30M-16	M30	1

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings
TRUFLOW HYDRAULIC HOSE AND FITTINGS

NPT Two Piece Crimp Tails

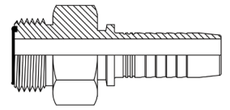
CNM — **NPT MALE X CRIMP TAIL STRAIGHT**



Part #	NPT M	Hose ID
CNM-04-04	1/4	1/4
CNM-06-04	3/8	1/4
CNM-06-06	3/8	3/8
CNM-08-06	1/2	3/8
CNM-08-08	1/2	1/2
CNM-12-12	3/4	3/4
CNM-16-16	1	1
CNM-20-20	1 1/4	1 1/4
CNM-20-20-SH	1 1/4	1 1/4
CNM-24-24	1 1/2	1 1/2
CNM-32-32	2	2

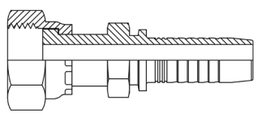
ORFS Two Piece Crimp Tails

CORSM — **ORFS MALE X CRIMP TAIL STRAIGHT**



Part #	ORFS M	Hose ID
CORSM-04-04	9/16	1/4
CORSM-06-04	11/16	1/4
CORSM-06-06	11/16	3/8
CORSM-08-06	13/16	3/8
CORSM-08-08	13/16	1/2
CORSM-10-08	1	1/2
CORSM-10-10	1	5/8
CORSM-12-10	1 1/16	5/8
CORSM-12-12	1 1/16	3/4
CORSM-16-12	1 7/16	3/4
CORSM-16-16	1 /16	1
CORSM-20-20	1 11/16	1 1/4
CORSM-24-24	2	1 1/2

CORSFS — **ORFS FEMALE SWIVEL X CRIMP TAIL STRAIGHT**

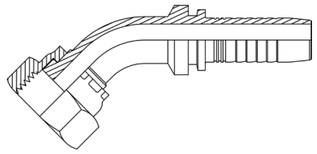


Part #	ORFS F	Hose ID
CORSFS-04-04	9/16	1/4
CORSFS-04-06	9/16	3/8
CORSFS-06-04	11/16	1/4
CORSFS-06-06	11/16	3/8
CORSFS-06-08	11/16	1/2
CORSFS-08-06	13/16	3/8
CORSFS-08-08	13/16	1/2
CORSFS-10-08	1	1/2
CORSFS-10-10	1	5/8
CORSFS-10-12	1	3/4
CORSFS-12-10	1 3/16	5/8
CORSFS-12-12	1 3/16	3/4
CORSFS-16-12	1 7/16	3/4
CORSFS-16-16	1 7/16	1
CORSFS-20-20	1 11/16	1 1/4

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

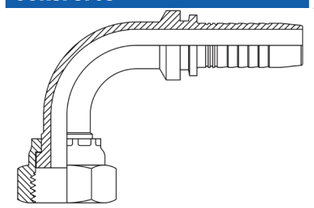
Hose Fittings

CORSFS45S — ORFS FEMALE SWIVEL X CRIMP TAIL SWETP 45°



Part #	ORFS F	Hose ID
CORSFS45S-04-04	9/16	1/4
CORSFS45S-06-06	11/16	3/8
CORSFS45S-08-06	13/16	3/8
CORSFS45S-08-08	13/16	1/2
CORSFS45S-10-08	1	1/2
CORSFS45S-10-10	1	5/8
CORSFS45S-12-08	1 3/16	1/2
CORSFS45S-12-12	1 3/16	3/4
CORSFS45S-16-16	1 7/16	1

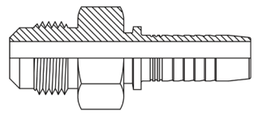
CORSFS90S — ORFS FEMALE SWIVEL X CRIMP TAIL SWETP 90°



Part #	ORFS F	Hose ID
CORSFS90S-04-04	9/16	1/4
CORSFS90S-06-04	11/16	1/4
CORSFS90S-06-06	11/16	3/8
CORSFS90S-08-06	13/16	3/8
CORSFS90S-08-08	13/16	1/2
CORSFS90S-10-08	1	1/2
CORSFS90S-10-10	1	5/8
CORSFS90S-10-12	1	3/4
CORSFS90S-12-08	1 3/16	1/2
CORSFS90S-12-10	1 3/16	5/8
CORSFS90S-12-12	1 3/16	3/4
CORSFS90S-16-16	1 7/16	1
CORSFS90S-16-16SS	1 7/16	1
CORSFS90S-20-20	1 11/16	1 1/4
CORSFS90S-24-24	2	1 1/2

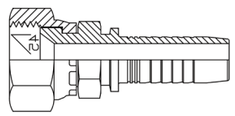
SAE Two Piece Crimp Tails

CSM — SAE 45° FLARE MALE X CRIMP TAIL STRAIGHT



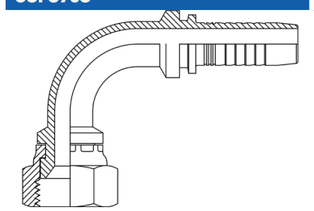
Part #	SAE M	Hose ID
CSM-06-06	5/8	3/8

CSFS — SAE 45° FLARE FEMALE SWIVEL X CRIMP TAIL STRAIGHT



Part #	SAE F	Hose ID
CSFS-06-06	5/8	3/8
CSFS-12-10	1 1/16	5/8
CSFS-12-12	1 1/16	3/4

CSFS90S — SAE 45° FLARE FEMALE SWIVEL X CRIMP TAIL SWETP 90°



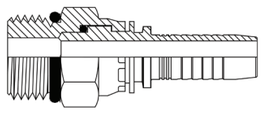
Part #	SAE F	Hose ID
CSFS90S-06-06	5/8	3/8

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

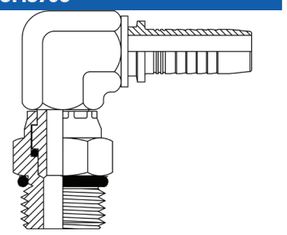
UNO Two Piece Crimp Tails

CUMS — **UNO SUIT PTFE HOSE MALE X CRIMP TAIL STRAIGHT**



Part #	UNO M	Hose ID
CUMS-08-08	3/4	1/2
CUMS-12-12	1 1/16	3/4

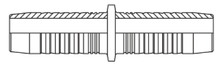
CUMS90C — **UNO SUIT PTFE HOSE MALE X CRIMP TAIL COMPACT 90°**



Part #	UNO M	Hose ID
CUMS90C-10-08	7/8	1/2

Hose Joiners Two Piece Crimp Tails

CHXH — **JOINER CRIMP TAIL X CRIMP TAIL STRAIGHT**



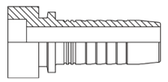
Part #	Hose ID	Hose ID
CHXH-04-04	1/4	1/4
CHXH-06-06	3/8	3/8
CHXH-08-08	1/2	1/2
CHXH-10-10	5/8	5/8
CHXH-12-12	3/4	3/4
CHXH-16-16	1	1

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

Tube Weld Two Piece Crimp Tails

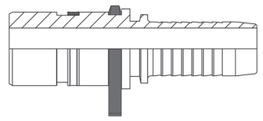
CLS — **TUBE WELD X CRIMP TAIL STRAIGHT**



Part #	Tube Weld	Hose ID
CLS-04-04	1/4	1/4
CLS-06-06	3/8	3/8
CLS-08-08	1/2	1/2
CLS-10-10	5/8	5/8
CLS-12-12	3/4	3/4

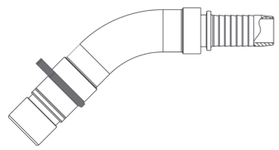
WEO Two Piece Crimp Tails

WEOHT — **WEO MALE X CRIMP TAIL STRAIGHT**



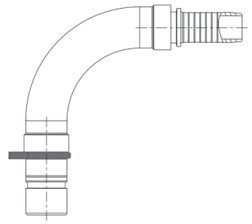
Part #	WEO M	Hose ID
14-710-0404	1/4	1/4
14-710-0606	3/8	3/8
14-710-0806	1/2	3/8
14-710-0808	1/2	1/2
14-710-1212	3/4	3/4

WEOHT45 — **WEO MALE X CRIMP TAIL SWETP 45°**



Part #	WEO M	Hose ID
14-712-0404	1/4	1/4
14-712-0606	3/8	3/8
14-712-0808	1/2	1/2

WEOHT90 — **WEO MALE X CRIMP TAIL SWETP 90°**



Part #	WEO M	Hose ID
14-714-0404	1/4	1/4
14-714-0604	3/8	1/4
14-714-0606	3/8	3/8
14-714-0808	1/2	1/2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

TRUFLOW Field Attachable

Contents

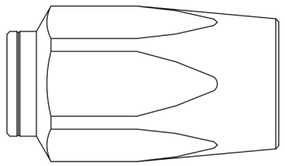
Field Attachable Ferrules B110
BSP Field Attachable Tails B111
JIS (BSPP) Field Attachable Tails B113
JIC Field Attachable Tails B114

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings
TRUFLOW HYDRAULIC HOSE AND FITTINGS

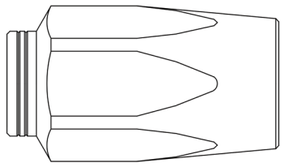
Field Attachable Ferrules

FAN1 — FIELD ATTACHABLE Ferrule SUIT 1 WIRE



Part #	Hose ID
FAN1-04	1/4
FAN1-06	3/8
FAN1-08	1/2
FAN1-12	3/4
FAN1-16	1

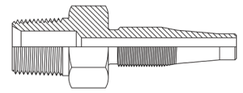
FAN2 — FIELD ATTACHABLE Ferrule SUIT 2 WIRE



Part #	Hose ID
FAN2-04	1/4
FAN2-06	3/8
FAN2-08	1/2
FAN2-12	3/4
FAN2-16	1

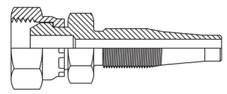
BSP Field Attachable Tails

FABM — BSPT MALE X FIELD ATTACHABLE STRAIGHT



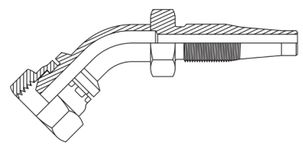
Part #	BSPT M	Hose ID
FABM-04-04	1/4	1/4
FABM-06-04	3/8	1/4
FABM-06-06	3/8	3/8
FABM-08-06	1/2	3/8
FABM-08-08	1/2	1/2
FABM-12-12	3/4	3/4
FABM-16-16	1	1

FABFS — BSPP FEMALE SWIVEL X FIELD ATTACHABLE STRAIGHT



Part #	BSPP F	Hose ID
FABFS-04-04	1/4	1/4
FABFS-06-04	3/8	1/4
FABFS-06-06	3/8	3/8
FABFS-08-06	1/2	3/8
FABFS-08-08	1/2	1/2
FABFS-12-12	3/4	3/4
FABFS-16-16	1	1

FABFS45S — BSPP FEMALE SWIVEL X FIELD ATTACHABLE SWETP 45°

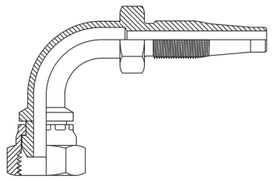


Part #	BSPP F	Hose ID
FABFS45S-04-04	1/4	1/4
FABFS45S-06-06	3/8	3/8
FABFS45S-08-08	1/2	1/2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

FABFS90S — BSPP FEMALE SWIVEL X FIELD ATTACHABLE SWETP 90°



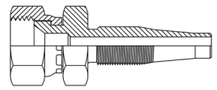
Part #	BSPP F	Hose ID
FABFS90S-04-04	1/4	1/4
FABFS90S-06-06	3/8	3/8
FABFS90S-08-08	1/2	1/2
FABFS90S-12-12	3/4	3/4
FABFS90S-16-16	1	1

FABFS90C — BSPP FEMALE SWIVEL X FIELD ATTACHABLE COMPACT 90°

Part #	BSPP F	Hose ID
FABFS90C-04-04	1/4	1/4
FABFS90C-06-06	3/8	3/8
FABFS90C-08-08	1/2	1/2
FABFS90C-12-12	3/4	3/4
FABFS90C-16-16	1	1

JIS (BSPP) Field Attachable Tails

FAJISFS — JIS (BSPP) FEMALE SWIVEL X FIELD ATTACHABLE STRAIGHT



Part #	JIS F	Hose ID
FAJISFS-06-04	3/8	1/4
FAJISFS-06-06	3/8	3/8

FAJISFS90S — JIS (BSPP) FEMALE SWIVEL X FIELD ATTACHABLE SWETP 90°

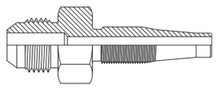
Part #	JIS F	Hose ID
FAJISFS90S-06-04	3/8	1/4
FAJISFS90S-06-06	3/8	3/8

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

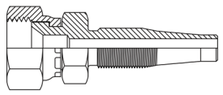
JIC Field Attachable Tails

FAJM — JIC MALE X FIELD ATTACHABLE STRAIGHT



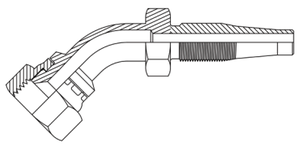
Part #	JIC M	Hose ID
FAJM-04-04	7/16	1/4
FAJM-06-04	9/16	1/4
FAJM-06-06	9/16	3/8
FAJM-08-06	3/4	3/8
FAJM-08-08	3/4	1/2
FAJM-10-08	7/8	1/2
FAJM-12-12	1 1/16	3/4

FAJFS — JIC FEMALE SWIVEL X FIELD ATTACHABLE STRAIGHT



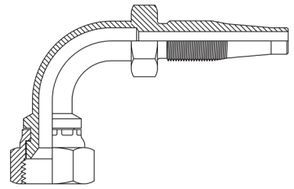
Part #	JIC F	Hose ID
FAJFS-04-04	7/16	1/4
FAJFS-06-04	9/16	1/4
FAJFS-06-06	9/16	3/8
FAJFS-08-06	3/4	3/8
FAJFS-08-08	3/4	1/2
FAJFS-10-08	7/8	1/2
FAJFS-12-12	1 1/16	3/4
FAJFS-16-16	1 5/16	1

FAJFS45S — JIC FEMALE SWIVEL X FIELD ATTACHABLE SWETP 45°



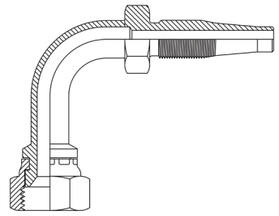
Part #	JIC F	Hose ID
FAJFS45S-04-04	7/16	1/4
FAJFS45S-06-06	9/16	3/8

FAJFS90S — JIC FEMALE SWIVEL X FIELD ATTACHABLE SWETP 90°



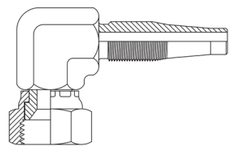
Part #	JIC F	Hose ID
FAJFS90S-04-04	7/16	1/4
FAJFS90S-06-04	9/16	1/4
FAJFS90S-06-06	9/16	3/8
FAJFS90S-08-06	3/4	3/8
FAJFS90S-08-08	3/4	1/2
FAJFS90S-10-08	7/8	1/2
FAJFS90S-10-10	7/8	5/8
FAJFS90S-12-12	1 1/16	3/4
FAJFS90S-16-16	1 5/16	1

FAJFS90SL — JIC FEMALE SWIVEL X FIELD ATTACHABLE SWETP 90°LONG DROP



Part #	JIC F	Hose ID
FAJFS90SL-06-04	9/16	1/4
FAJFS90SL-06-06	9/16	3/8
FAJFS90SL-08-08	3/4	1/2

FAJFS90C — JIC FEMALE SWIVEL X FIELD ATTACHABLE COMPACT 90°



Part #	JIC F	Hose ID
FAJFS90C-04-04	7/16	1/4
FAJFS90C-06-04	9/16	1/4
FAJFS90C-06-06	9/16	3/8
FAJFS90C-08-06	3/4	3/8
FAJFS90C-08-08	3/4	1/2
FAJFS90C-10-08	7/8	1/2
FAJFS90C-12-12	1 1/16	3/4
FAJFS90C-16-16	1 5/16	1

Hose Fittings

TRUFLOW R5 Field Attachable

Contents

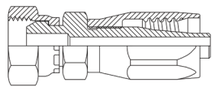
BSP R5 Field Attachable Tails B118
JIC R5 Field Attachable Tails. B119
SAE R5 Field Attachable Tails B120

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

BSP R5 Field Attachable Tails

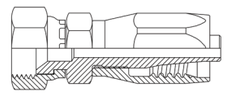
FAR5BFS — **BSPP FEMALE SWIVEL X R5 FIELD ATTACHABLE STRAIGHT**



Part #	BSPP F	Hose ID
FAR5BFS-04-04	1/4	3/16
FAR5BFS-06-06	3/8	5/16
FAR5BFS-08-08	1/2	13/32
FAR5BFS-12-12	3/4	5/8
FAR5BFS-16-16	1	7/8

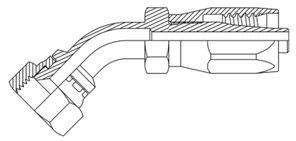
JIC R5 Field Attachable Tails

FAR5JFS — **JIC FEMALE SWIVEL X R5 FIELD ATTACHABLE STRAIGHT**



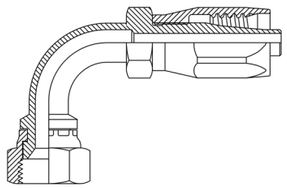
Part #	JIC F	Hose ID
FAR5JFS-04-04	7/16	3/16
FAR5JFS-06-06	9/16	5/16
FAR5JFS-06-08	9/16	13/32
FAR5JFS-08-06	3/4	5/16
FAR5JFS-08-08	3/4	13/32
FAR5JFS-08-10	3/4	1/2
FAR5JFS-10-10	7/8	1/2
FAR5JFS-12-10	1 1/16	1/2
FAR5JFS-12-12	1 1/16	5/8
FAR5JFS-16-16	1 5/16	7/8
FAR5JFS-20-20	1 5/8	1 1/8

FAR5JFS45S — **JIC FEMALE SWIVEL X R5 FIELD ATTACHABLE SWETP 45°**



Part #	JIC F	Hose ID
FAR5JFS45S-04-04	7/16	1/4
FAR5JFS45S-06-06	9/16	5/16
FAR5JFS45S-08-08	3/4	13/32
FAR5JFS45S-10-10	7/8	1/2
FAR5JFS45S-12-12	1 1/16	5/8
FAR5JFS45S-16-16	1 5/16	7/8

FAR5JFS90S — **JIC FEMALE SWIVEL X R5 FIELD ATTACHABLE SWETP 90°**

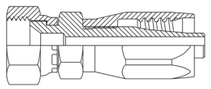


Part #	JIC F	Hose ID
FAR5JFS90S-04-04	7/16	3/16
FAR5JFS90S-05-05	1/2	1/4
FAR5JFS90S-06-06	9/16	5/16
FAR5JFS90S-08-08	3/4	13/32
FAR5JFS90S-08-10	3/4	1/2
FAR5JFS90S-10-10	7/8	1/2
FAR5JFS90S-12-12	1 1/16	5/8
FAR5JFS90S-16-16	1 5/16	7/8
FAR5JFS90S-20-20	1 5/8	1 1/8

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

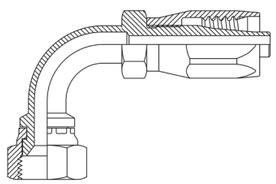
SAE R5 Field Attachable Tails

FAR5SFS — **SAE 45° FLARE FEMALE SWIVEL X R5 FIELD ATTACHABLE STRAIGHT**



Part #	SAE F	Hose ID
FAR5SFS-06-06	5/8	5/16

FAR5SFS90S — **SAE 45° FLARE FEMALE SWIVEL X R5 FIELD ATTACHABLE SWETP 45°**



Part #	SAE F	Hose ID
FAR5SFS90S-06-06	5/8	5/16

TRUFLOW Push Lock Tails

Contents

BSP Push Lock Tails B122

JIC Push Lock Tails B123

SAE Push Lock Tails B125

A Hydraulic Hose

B Hose Fittings

C Adaptors

D Quick Release Couplings

E Diagnostics

F Valves

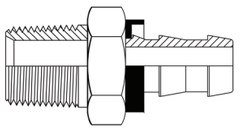
G Grease

H Accessories

Hose Fittings
TRUFLOW HYDRAULIC HOSE AND FITTINGS

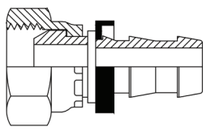
BSP Push Lock Tails

PBM — BSPT MALE X PUSH LOCK TAIL STRAIGHT



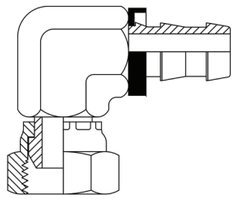
Part #	BSPT M	Hose ID
PBM-02-04	1/8	1/4
PBM-04-04	1/4	1/4
PBM-04-05	1/4	5/16
PBM-04-06	1/4	3/8
PBM-06-04	3/8	1/4
PBM-06-06	3/8	3/8
PBM-06-08	3/8	1/2
PBM-08-06	1/2	3/8
PBM-08-08	1/2	1/2
PBM-12-12	3/4	3/4
PBM-16-16	1	1

PBFS — BSPP FEMALE SWIVEL X PUSH LOCK TAIL STRAIGHT



Part #	BSPP F	Hose ID
PBFS-02-04	1/8	1/4
PBFS-04-04	1/4	1/4
PBFS-06-06	3/8	3/8
PBFS-06-08	3/8	1/2
PBFS-08-06	1/2	3/8
PBFS-08-08	1/2	1/2
PBFS-08-10	1/2	5/8
PBFS-12-12	3/4	3/4
PBFS-16-16	1	1

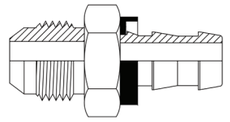
PBFS90C — BSPP FEMALE SWIVEL X PUSH LOCK TAIL COMPACT 90°



Part #	BSPP F	Hose ID
PBFS90C-04-04	1/4	1/4
PBFS90C-06-06	3/8	3/8
PBFS90C-08-08	1/2	1/2

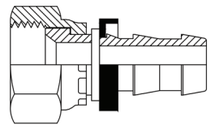
JIC Push Lock Tails

PJM — JIC MALE X PUSH LOCK TAIL STRAIGHT



Part #	JIC M	Hose ID
PJM-06-06	9/16	3/8
PJM-10-10	7/8	5/8

PJFS — JIC FEMALE SWIVEL X PUSH LOCK TAIL STRAIGHT

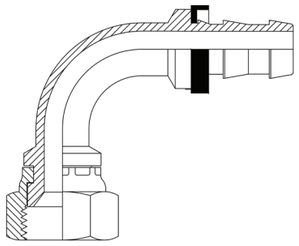


Part #	JIC F	Hose ID
PJFS-04-04	7/16	1/4
PJFS-06-04	9/16	1/4
PJFS-06-05	9/16	5/16
PJFS-06-06	9/16	3/8
PJFS-08-06	3/4	3/8
PJFS-08-08	3/4	1/2
PJFS-10-08	7/8	1/2
PJFS-10-10	7/8	5/8
PJFS-12-12	1 1/16	3/4
PJFS-16-16	1 5/16	1

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

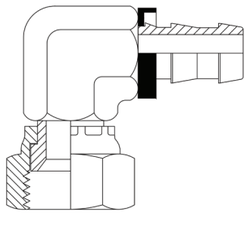
Hose Fittings

PJFS90S — JIC FEMALE SWIVEL X PUSH LOCK TAIL SWETP 90°



Part #	JIC F	Hose ID
PJFS90S-04-04	7/16	1/4
PJFS90S-06-06	9/16	3/8
PJFS90S-08-08	3/4	1/2
PJFS90S-12-12	1 1/16	3/4

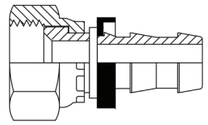
PJFS90C — JIC FEMALE SWIVEL X PUSH LOCK TAIL COMPACT 90°



Part #	JIC F	Hose ID
PJFS90C-04-04	7/16	1/4
PJFS90C-06-06	9/16	3/8
PJFS90C-08-08	3/4	1/2
PJFS90C-10-08	7/8	1/2
PJFS90C-12-12	1 1/16	3/4

SAE Push Lock Tails

PSFS — SAE 45° FEMALE SWIVEL X PUSH LOCK TAIL STRAIGHT



Part #	SAE F	Hose ID
PSFS-06-06	5/8	3/8

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

TRUFLOW Suction Tails

Contents

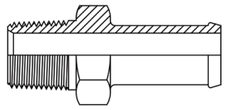
BSP Suction Tails B128
UNO Suction Tails B130

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Hose Fittings

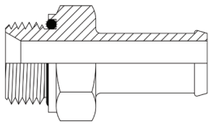
BSP Suction Tails

SBM — BSPT MALE X SUCTION TAIL STRAIGHT



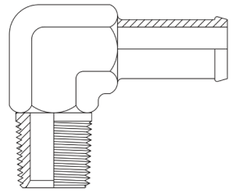
Part #	BSPP M	Hose ID
SBM-08-10	1/2	5/8
SBM-08-12	1/2	3/4
SBM-12-12	3/4	3/4
SBM-12-16	3/4	1
SBM-16-16	1	1
SBM-16-20	1	1 1/4
SBM-16-24	1	1 1/2
SBM-20-16	1 1/4	1
SBM-20-20	1 1/4	1 1/4
SBM-20-24	1 1/4	1 1/2
SBM-24-20	1 1/2	1 1/4
SBM-24-24	1 1/2	1 1/2
SBM-24-32	1 1/2	2
SBM-32-32	2	2

SBPM — BSPP MALE X SUCTION TAIL STRAIGHT



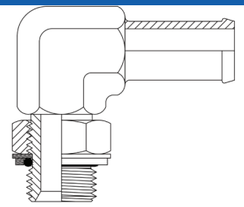
Part #	BSPP M	Hose ID
SBPM-12-12	3/4	3/4
SBPM-12-16	3/4	1
SBPM-12-20	3/4	1 1/4
SBPM-16-16	1	1
SBPM-16-20	1	1 1/4
SBPM-16-24	1	1 1/2
SBPM-20-12	1 1/4	3/4
SBPM-20-16	1 1/4	1
SBPM-20-20	1 1/4	1 1/4
SBPM-20-24	1 1/4	1 1/2
SBPM-24-16	1 1/2	1
SBPM-24-20	1 1/2	1 1/4
SBPM-24-24	1 1/2	1 1/2
SBPM-24-32	1 1/2	2

SBM9C — BSPT MALE X SUCTION TAIL COMPACT 90°



Part #	BSPT M	Hose ID
SBM9C-12-12	3/4	3/4
SBM9C-12-16	3/4	1
SBM9C-12-20	3/4	1 1/4
SBM9C-16-12	1	3/4
SBM9C-16-16	1	1
SBM9C-16-20	1	1 1/4
SBM9C-16-24	1	1 1/2
SBM9C-20-16	1 1/4	1
SBM9C-20-20	1 1/4	1 1/4
SBM9C-20-24	1 1/4	1 1/2
SBM9C-24-20	1 1/2	1 1/4
SBM9C-24-24	1 1/2	1 1/2
SBM9C-32-32	2	2

SBPM9C — BSPP MALE X SUCTION TAIL COMPACT 90°

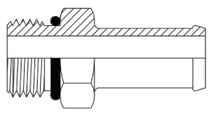


Part #	BSPP M	Hose ID
SBPM9C-08-12	1/2	3/4
SBPM9C-12-12	3/4	3/4
SBPM9C-12-16	3/4	1
SBPM9C-12-20	3/4	1 1/4
SBPM9C-16-16	1	1
SBPM9C-16-20	1	1 1/4
SBPM9C-16-24	1	1 1/2
SBPM9C-20-16	1 1/4	1
SBPM9C-20-20	1 1/4	1 1/4
SBPM9C-20-24	1 1/4	1 1/2
SBPM9C-24-20	1 1/2	1 1/4
SBPM9C-24-24	1 1/2	1 1/2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

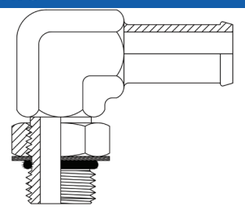
UNO Suction Tails

SUM — **UNO MALE X SUCTION TAIL STRAIGHT**



Part #	UNO M	Hose ID
SUM-10-12	7/8	3/4
SUM-12-12	1 1/16	3/4
SUM-12-16	1 1/16	1
SUM-12-20	1 1/16	1 1/4
SUM-16-16	1 5/16	1
SUM-16-20	1 5/16	1 1/4
SUM-20-20	1 5/8	1 1/4
SUM-20-24	1 5/8	1 1/2
SUM-24-20	1 7/8	1 1/4
SUM-24-24	1 7/8	1 1/2

SUM9C — **UNO MALE X SUCTION TAIL COMPACT 90°**



Part #	UNO M	Hose ID
SUM9C-12-12	1 1/16	3/4
SUM9C-12-16	1 1/16	1
SUM9C-12-20	1 1/16	1 1/4
SUM9C-16-12	1 5/16	3/4
SUM9C-16-16	1 5/16	1
SUM9C-16-20	1 5/16	1 1/4
SUM9C-16-24	1 5/16	1 1/2
SUM9C-20-20	1 5/8	1 1/4
SUM9C-20-24	1 5/8	1 1/2
SUM9C-24-24	1 7/8	1 1/2

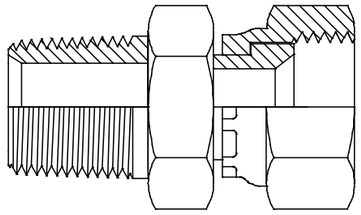
C - Adaptors

Contents

Pictorial Index C5
Straight Adaptors C14
45° Adaptors. C72
90° Adaptors. C78
Tee Adaptors. C99
Cross Adaptors C112
Swivel Joints C113
Tube Nuts and Sleeves C114
Tube Weld C117
Flange Adaptors C119
Flange Blanks C122
Caps C126
Plugs C129
Banjo Bolt C136
Bulkhead Nut C137

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Adaptors



	B	J	1	M	FS	- 08	- 08	
1	2	2	3	4	4	5	5	6

1 Prefix

SWJ-	Swivel Joint
G	Grease Adaptor

*Omit if not applicable

2 Thread Type

B	BSPT
BP	BSPP
BPG	BSPP Gauge Adaptor
J	JIC
JIS	JIS (BSP)
K	Komatsu (JIS Metric)
MH	Metric Heavy (S)
ML	Metric Light (L)
MS	Metric Stud
N	NPT
ORS	ORFS
S	SAE
SINV	SAE Inverted Flare
SF61	SAE Flange Code 61
SF62	SAE Flange Code 62
U	UNO
UP	UNO (with positional nut)

3 Orientation

1	Straight
10	Straight Bulkhead
3	Tee
30	Tee Bulkhead
4	45°
40	45° Bulkhead
9	90° Compact
9S	90°Swept
9SL	90°Swept Long Drop
90	90° Bulkhead
X	Cross

4 Thread Configuration

B	Reducing Bush
C	Cap
F	Fixed Female
FS	Female Swivel
L	Leg
M	Male
MS	Male Swivel
P	Plug
R	Run

5 Thread Sizes

Imperial

Dash Size	BSP / NPT / JIS (BSPP)	JIC / UNO	ORFS	SAE (45)	SAE Inverted Flare	FLANGE
02	1/8	5/16				
03		3/8			3/8	
04	1/4	7/16	9/16		7/16	
05		1/2				
06	3/8	9/16	11/16	5/8	5/8	
08	1/2	3/4	13/16			1/2
10	5/8	7/8	1	7/8		5/8
12	3/4	1 1/16	1 3/16	1 1/16		3/4
14		1 3/16				
16	1	1 5/16	1 7/16			1
20	1 1/4	1 5/8	1 11/16			1 1/4
24	1 1/2	1 7/8	2			1 1/2
32	2	2 1/2				2
40						2 1/2

Metric

Dash	Light	Heavy	Stud	Komatsu JIS
10M	M10X1.0 (6LL)		M10X1.0	
10X1.25M			M10X1.25	
10X1.5M			M10X1.5	
12M	M12X1.5 (12L)			M12X1.5
14M	M14X1.5 (8L)	M14X1.5 (6S)	M14X1.5	M14X1.5
16M	M16X1.5 (10L)	M16X1.5 (8S)	M16X1.5	M16X1.5
18M	M18X1.5 (12L)	M18X1.5 (10S)	M18X1.5	M18X1.5
20M		M20X1.5 (12S)	M20X1.5	M20X1.5
22M	M22X1.5 (15L)	M22X1.5 (14S)	M22X1.5	M22X1.5
24M		M24X1.5 (16S)		M24X1.5
26M	M26X1.5 (18L)			
27X1.5M			M27X1.5	
27X2.0M			M27X2	
30M	M30X2 (22L)	M30X2 (20S)		M30X1.5
30X1.5M			M30X1.5	
30X2.0M			M30X2	
33X1.5M			M33X2	M33X1.5
33X2.0M				
36M	M36X2 (28L)	M36X2 (25S)		M36X1.5
38X1.5M			M38X1.5	
38X2.0M			M38X2	
42M		M42X2 (30S)	M42X2	M42X1.5
45M	M45X2 (35L)			
48M			M48X2	
52M	M52X2 (42L)	M52X2 (38S)		

6 Material

SS	Stainless Steel

*Omit if steel

Did you know Truflow is one of the leading suppliers of TLX Rock Breaking Couplings in Australia?

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Did you know Truflow is the exclusive Hydroscand distributor in Australia?

Ergonomic

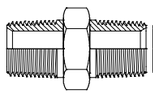
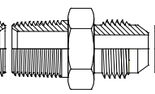
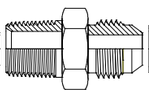
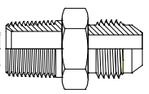
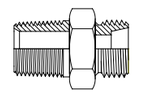
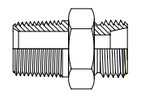
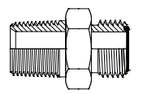
Swedish design

HYDROSCAND

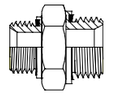
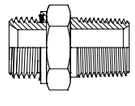
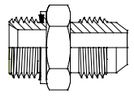
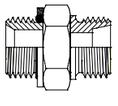
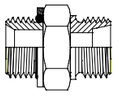
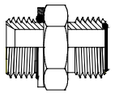
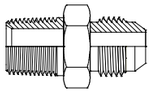
Adaptors

Pictorial Index

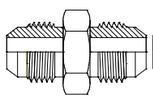
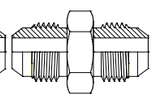
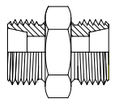
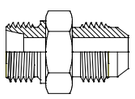
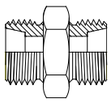
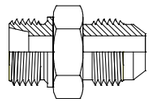
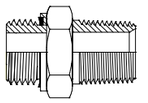
M/M Nipples

B1M	BJ1M	BJIS1M	BK1M	BMH1M	BML1M	BORS1M
C16	C20	C22	C22	C23	C24	C25
						
BSPT Male X BSPT Male	BSPT Male X JIC Male	BSPT Male X JIS (BSPP) Male	BSPT Male X Komatsu JIS (Metric)Male	BSPT Male X Metric Heavy (S) Male	BSPT Male X Metric Light (L) Male	BSPT Male X ORFS Male

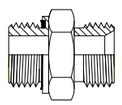
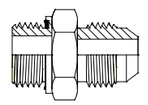
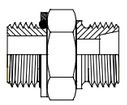
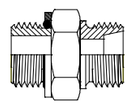
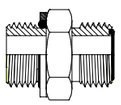
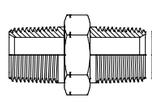
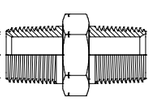
M/M Nipples Cont...

BP1M	BPB1M	BPJ1M	BPMH1M	BPML1M	BPORS1M	BS1M
C27	C29	C30	C33	C35	C36	C37
						
BSPP Male X BSPP Male	BSPP Male X BSPT Male	BSPP Male X JIC Male	BSPP Male X Metric Heavy (S) Male	BSPP Male X Metric Light (L) Male	BSPP Male X ORFS Male	BSPT Male X SAE Male

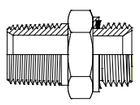
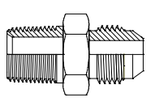
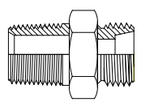
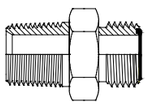
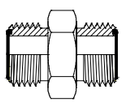
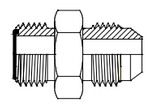
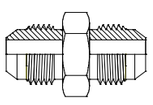
M/M Nipples Cont...

J1M	K1M	MH1M	MHJ1M	ML1M	MLJ1M	MSB1M
C40	C41	C43	C45	C47	C49	C50
						
JIC Male X JIC Male	Komatsu Male X Komatsu Male	Metric Heavy (S) Nipple	Metric Heavy (S) Male X JIC Male	Metric Light (L) Male X Metric Light (L) Male	Metric Light (L) Male X JIC Male	Metric Stud Male X BSPT Male

M/M Nipples Cont...

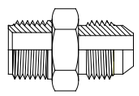
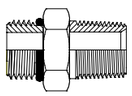
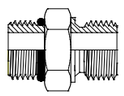
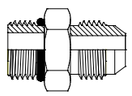
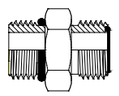
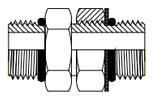
MSBP1M	MSJ1M	MSMH1M	MSML1M	MSORS1M	N1M	NB1M
C51	C52	C53	C53	C54	C55	C57
						
Metric Stud MaleX BSPP Male	Metric Stud Male X JIC Male	Metric Stud Male X Metric Heavy (S) Male	Metric Stud Male X Metric Light Male	Metric Stud Male X ORFS Male	NPT Male X NPT Male	NPT Male X BSPT Male

M/M Nipples Cont...

NBP1M	NJ1M	NMH1M	NORS1M	ORS1M	ORSJ1M	S1M
C57	C59	C60	C61	C63	C64	C64
						
NPT Male X BSPP Male	NPT Male X JIC Male	NPT Male X Metric Heavy (S) Male	NPT Male X ORFS Male	ORFS Male X ORFS Male	ORFS Male X JIC Male	SAE Male X SAE Male

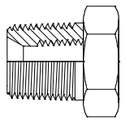
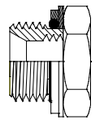
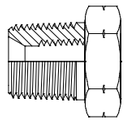
Adaptors

M/M Nipples Cont...

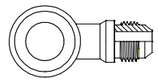
SINVJ1M	UB1M	UBP1M	UJ1M	UORS1M	UPU1M
C65	C66	C68	C68	C70	C71
					
SAE Inverted Flare X JIC	UNO Male X BSPT Male	UNO Male X BSPP Male	UNO Male X JIC Male	UNO Male X ORFS Male	UNO Male X UNO Positional Male

C15

M/F Reducing Bushes

B1B	BP1B	N1B
C14	C26	C54
		
BSPT Male X BSPT Female Red Bush	BSPP Male X BSPP Female Red Bush	NPT Male X NPT Female Red Bush

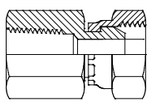
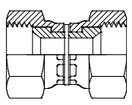
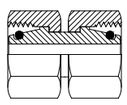
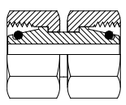
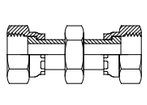
Banjo

BBANJOJ1M
C18

BSPPBanjo X JIC Male

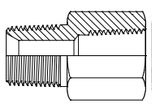
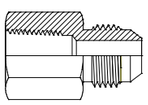
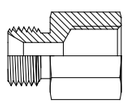
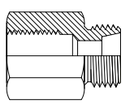
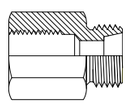
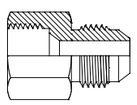
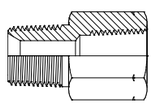
F/F Fixed Socket

B1F	BP1F	N1F	U1F
C15	C26	C55	C65
BSPT Female X BSPT Female	BSPP Female X BSPP Female	NPT Female X NPT Female	UNO Female X UNO Female

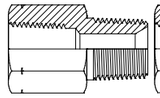
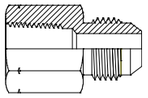
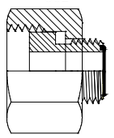
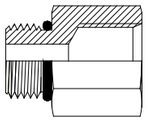
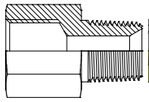
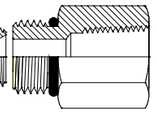
F/F Swivel

B1FFS	J1FS	MH1FS	ML1FS	ORS1FS
C15	C39	C42	C46	C62
				
BSPT Female X BSPP Female Swivel	JIC Female Swivel X JIC Female Swivel	Metric Heavy (S) Female Swivel X Metric Heavy (S) Female Swivel	Metric Light (L) Female Swivel X Metric Light (L) Female Swivel	ORFS Female Swivel X ORFS Female Swivel

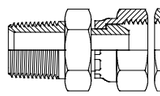
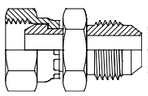
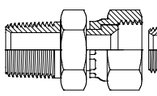
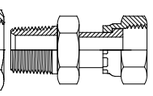
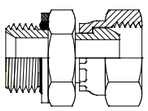
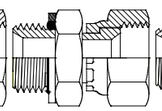
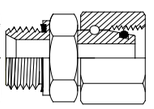
M/F Fixed Union

B1MF	BJ1FM	BP1MF	BPMH1FM	BPML1FM	J1FM	N1MF
C17	C19	C27	C32	C34	C38	C56
						
BSPT Male X BSPT Female	BSPT Female X JIC Male	BSPP Male X BSPP Female	BSPP Female X Metric Heavy Male (S)	BSPP Female X Metric Light Male (L)	JIC Female X JIC Male	NPT Male X NPT Female

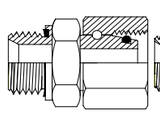
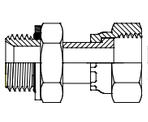
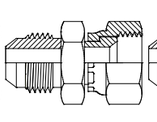
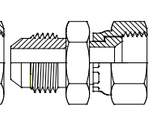
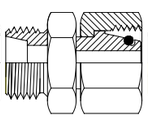
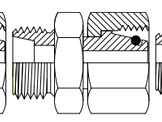
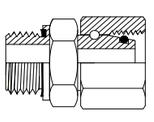
M/F Fixed F Union Cont...

NB1FM	NJ1FM	ORS1FM	U1MF	UB1FM	UB1MF
C56	C58	C62	C65	C66	C67
					
NPT Female X BSPT Male	NPT Female X JIC Male	ORFS Female X ORFS Male	UNO Male X UNO Female	UNO Female X BSPT Male	UNO Male X BSPT Female

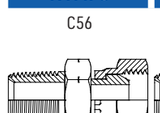
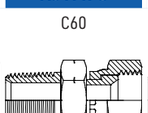
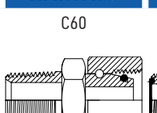
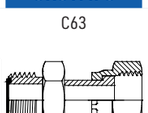
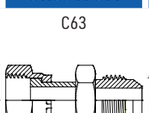
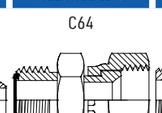
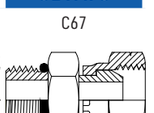
M/F Swivel Union

B1MFS	BJ1FSM	BJ1MFS	BORS1MFS	BP1MFS	BPJ1MFS	BPMH1MFS
C18	C20	C21	C25	C28	C32	C34
						
BSPT Male X BSPP Female Swivel	BSPP Female Swivel X JIC Male	BSPT Male X Female Swivel	BSPT Male X ORFS Female Swivel	BSPP Male X BSPP Female Swivel	BSPP Male X JIC Female Swivel	BSPP Male X Metric Heavy (S) Female Swivel

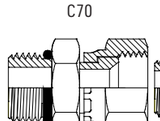
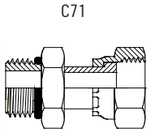
M/F Swivel Union Cont...

BPML1MFS	BPORS1MFS	J1MFS	JIS1MFS	MH1MFS	ML1MFS	MSML1MFS
C36	C37	C40	C41	C44	C48	C53
						
BSPP Male X Metric Light (L) Female Swivel	BSPP Male X ORFS Female Swivel	JIC Male X JIC Female Swivel	JIS (BSP) Male X JIS (BSPP)Female Swivel	Metric Heavy (S) Male Female Swivel	Metric Light (L) Male X Metric Light (L) FemaleSwivel	Metric Stud Male X Metric Light (L) Female Swivel

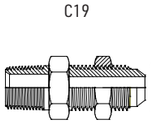
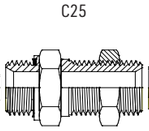
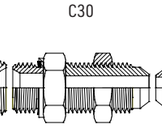
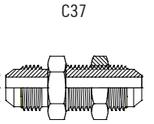
M/F Swivel Union Cont...

N1MFS	NJ1MFS	NMH1MFS	ORS1MFS	ORSJ1FSM	ORSJ1MFS	UB1MFS
C56	C60	C60	C63	C63	C64	C67
						
NPT Male X NPSM Female Swivel	NPT Male X JIC Female Swivel	NPT Male X Metric Heavy (S) Female Swivel	ORFS Male X ORFS Female Swivel	ORFS Female Swivel X JIC Male	ORFS Male X JIC Female Swivel	UNO Male X BSPP Female Swivel

M/F Swivel Union Cont...

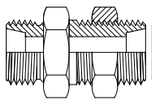
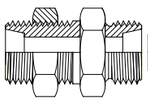
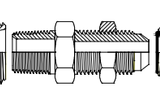
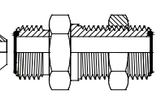
UJ1MFS	UORS1MFS
C70	C71
	
UNO Male X JIC Female Swivel	UNO Male X ORFS Female Swivel

M/M Bulkhead

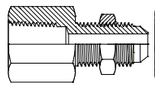
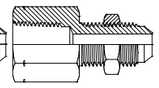
BJ10M	BP10M	BPJ10M	J10M
C19	C25	C30	C37
			
BSPT Male X JIC Male Bulkhead	BSPP Male X BSPP Male Bulkhead	BSPP Male X JIC Male Bulkhead	JIC Male X JIC Male Bulkhead

Adaptors

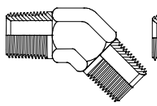
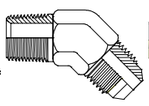
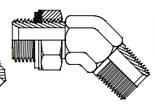
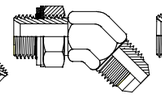
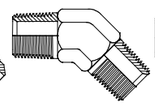
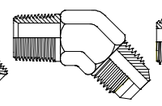
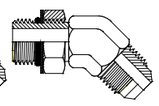
M/M Bulkhead Cont...

MH10M	ML10M	NJ10M	ORS10M
C42	C46	C58	C61
			
Metric Heavy (S) Male X Metric Heavy (S) Male Bulkhead	Metric Light (L) Male X Metric Light (L) Male Bulkhead	NPT Male X JIC Male Bulkhead	ORFS Male X ORFS Male Bulkhead

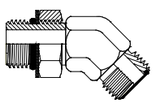
F/M Bulkhead

BJ10FM	NJ10FM
C19	C57
	
BSPT Female X JIC Male Bulkhead	NPT Female X JIC Male Bulkhead

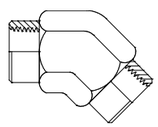
45° M/M Elbow

B4M	BJ4M	BPB4M	BPJ4M	N4M	NJ4M	UJ4M
C72	C73	C73	C74	C75	C76	C77
						
BSPT Male X BSPT Male 45°	BSPT Male X JIC Male 45°	BSPP Male X BSPT Male 45°	BSPP Male X JIC Male 45°	NPT Male X NPT Male 45°	NPT Male X JIC Male 45°	UNO Male X JIC Male 45°

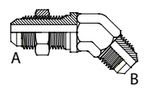
45° M/M Elbow Cont...

UORS4M
C77

UNO Male X ORFS Male 45°

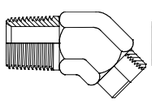
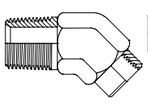
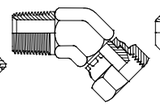
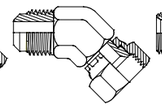
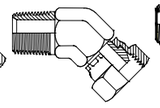
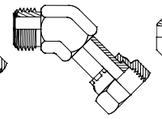
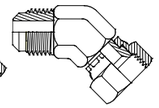
45° F/F Elbow

B4F
C72

BSPT Female X BSPT Female 45°

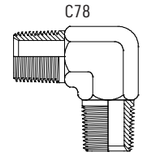
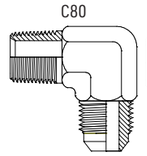
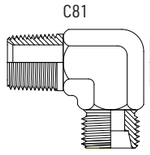
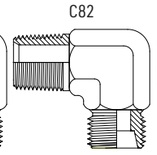
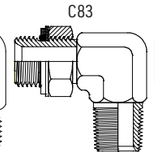
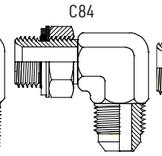
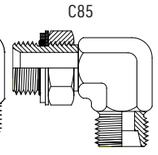
45° M/M Bulkhead Elbow

J40M
C74

JIC Bulkhead Male X JIC Male 45°

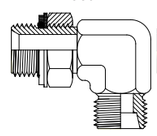
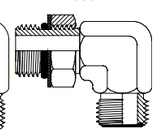
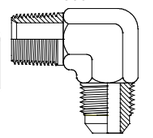
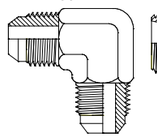
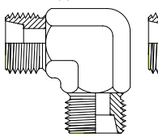
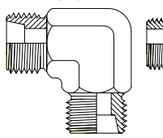
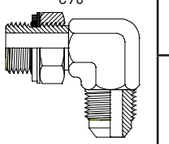
45° M/F ElbowCont...

B4MF	N4MF	B4MFS	J4MFS	N4MFS	ORS4MFS	S4MFS
C72	C75	C73	C74	C75	C76	C77
						
BSPT Male X BSPT Female 45°	NPT Male X NPT Female 45°	BSPT Male X BSPP Female Swivel 45°	JIC Male X JIC Female Swivel 45°	NPT Male X NPSM Female Swivel 45°	ORFS Male X ORFS Female Sw 45°	SAE Male X SAE Female Swivel 45°

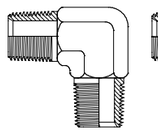
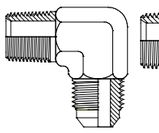
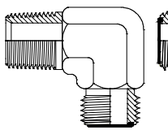
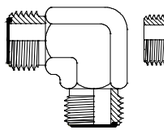
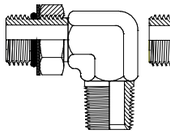
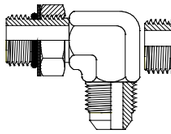
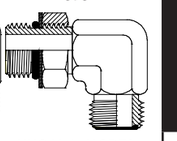
90° M/M Elbow

B9M	BJ9M	BMH9M	BML9M	BPB9M	BPJ9M	BPMH9M
C78	C80	C81	C82	C83	C84	C85
						
BSPT Male X BSPT Male 90°	BSPT Male X JIC Male 90°	BSPT Male X Metric Heavy (S) Male 90°	BSPT Male X Metric Light (L) Male 90°	BSPP Male X BSPT Male 90°	BSPP Male X JIC Male 90°	BSPP Male X Metric Heavy (S) Male

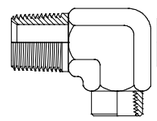
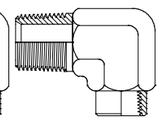
90° M/M Elbow Cont...

BPML9M	BPORS9M	BS9M	J9M	MH9M	ML9M	MSJ9M
C85	C85	C86	C87	C89	C90	C90
						
BSPP Male X Metric Light (L) Male	BSPP Male X ORFS Male 90°	BSPT Male X SAE Male 90°	JIC Male X JIC Male 90°	Metric Heavy (S) Male X Metric Heavy (S) Male 90°	Metric Light (L) Male x Metric Light (LS) Male 90°	Metric Stud X JIC Male 90°

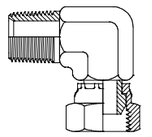
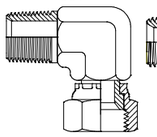
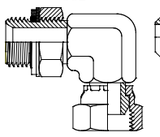
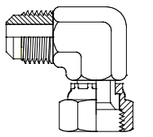
90° M/M Elbow Cont...

N9M	NJ9M	NORS9M	ORS9M	UB9M	UJ9M	UORS9M
C91	C93	C94	C94	C95	C97	C98
						
NPT Male X NPT Male 90°	NPT Male X JIC Male 90°	NPT Male X ORFS Male 90°	ORFS Male X ORFS Male 90°	UNO Male X BSPT Male 90°	UNO Male X JIC Male 90°	UNO Male X ORFS Male 90°

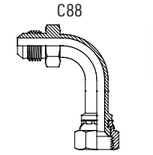
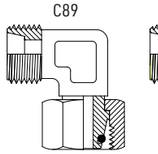
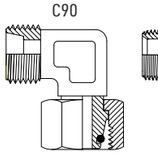
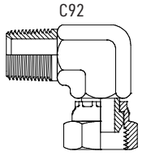
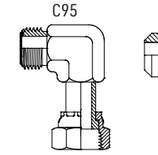
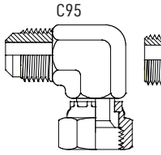
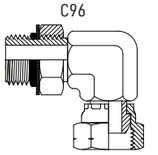
90° M/F Fixed Elbow

B9MF	N9MF
C79	C92
	
BSPT Male X BSPTFemale 90°	NPT Male X NPT Female 90°

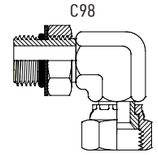
90° M/F Swivel Elbow

B9MFS	BJ9MFS	BP9MFS	J9MFS
C79	C81	C82	C87
			
BSPT Male X BSPP Female Swivel 90°	BSPT Male X JIC Female Swivel 90°	BSPP Male X BSPP Female Swivel 90°	JIC Male X JIC Female Swivel 90°

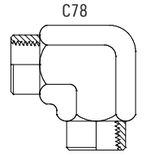
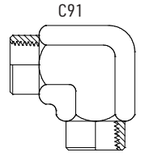
90° M/F Swivel Elbow Cont...

J9SMFS	MH9MFS	ML9MFS	N9MFS	ORS9MFS	S9MFS	UB9MFS
C88	C89	C90	C92	C95	C95	C96
						
JIC Male X JIC Female Swivel 90° Swept (Short and Long Drop)	Metric Heavy(S) Male X Metric Heavy(S) Female Swivel 90°	Metric Light (L) Male X Metric Light (L) Female Swivel 90°	NPT Male X NPSM Female Swivel 90°	ORFS Male X ORFS Female Sw 90°	SAE Male X SAE Female Swivel 90°	UNO Male X BSPP Female Swivel 90°

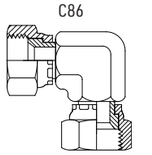
90° M/F Swivel Elbow Cont...

UJ9MFS
C98

UNO Male X JIC Female Swivel 90°

90° F/F Fixed Elbow

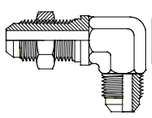
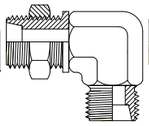
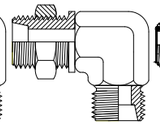
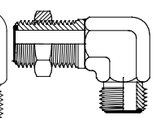
B9F	N9F
C78	C91
	
BSPT Female X BSPT Female 90°	NPT Female X NPT Female 90°

90° F/F Swivel Elbow

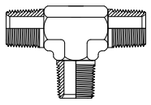
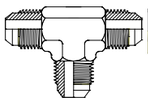
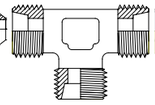
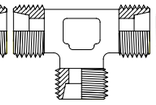
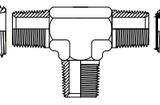
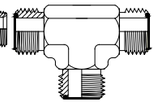
J9FS
C86

JIC Female Swivel X JIC Female Swivel 90°

Adaptors

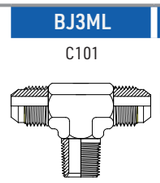
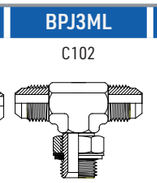
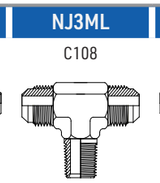
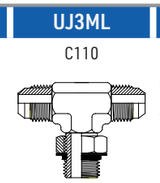
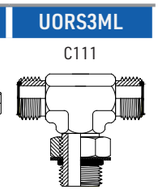
90° M/M Bulkhead Elbow

J90M	MH90M	ML90M	ORS90M
C86	C88	C89	C94
			
JIC Male Bulkhead X JIC Male 90°	Metric Heavy(S) Male Bulkhead X Metric Heavy(S) Male 90°	Metric Light (L) Male Bulkhead X Metric Light (L) Male 90°	ORFS Male Bulkhead X ORFS Male 90°

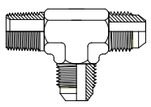
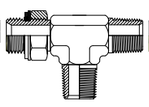
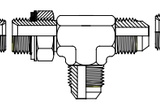
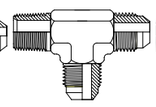
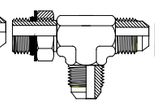
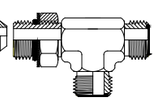
M/M/M Tee

B3M	J3M	MH3M	ML3M	N3M	ORS3M
C100	C104	C105	C106	C108	C109
					
BSPT Male Tee	JIC Male Tee	Metric Heavy (S) Male Tee	Metric Light (L) Male Tee	NPT Male Tee	ORFS Male Tee

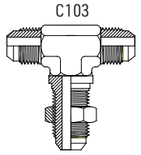
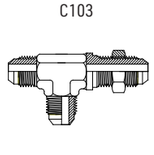
M/M/M Leg Tee

BJ3ML	BPJ3ML	NJ3ML	UJ3ML	UORS3ML
C101	C102	C108	C110	C111
				
BSPT Male (Leg) X JIC Male X JIC Male Tee	BSPP Male (Leg) X JIC Male X JIC Male Tee	NPT Male (Leg) X JIC Male X JIC Male Tee	UNO Male (Leg) X JIC Male X JIC Male Tee	UNOM(Leg) X ORFSM X ORFSM Tee

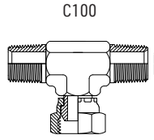
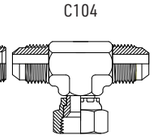
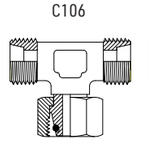
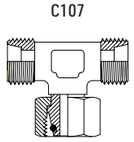
M/M/M Run Tee

BJ3MR	BPB3MR	BPJ3MR	NJ3MR	UJ3MR	UORS3MR
C101	C102	C102	C109	C110	C111
					
BSPT Male (Run) X JIC Male X JIC Male Tee	BSPP Male (Run) X BSPT Male X BSPT Male Tee	BSPP Male (Run) X JIC Male X JIC Male Tee	NPT Male(Run) X JIC Male X JIC Male	UNO Male (Run) X JIC Male X JIC Male Tee	UNOM (Run) X ORFSM X ORFSM Tee

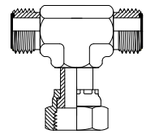
Bulkhead Tee

J30ML	J30MR
C103	C103
	
JIC Male X JIC Male X JIC Male Bulkhead (Leg) Tee	JIC Male X JIC Male X JIC Male Bulkhead (Run) Tee

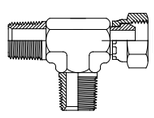
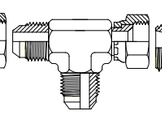
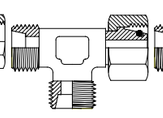
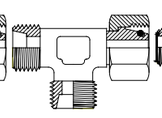
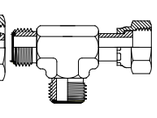
M/M/F Swivel Leg Tee

B3MFSL	J3MFSL	MH3MFSL	ML3MFSL
C100	C104	C106	C107
			
BSPT Male X BSPT Male X BSPP Female Swivel (Leg) Tee	JIC Male X JIC Male X JIC Female Swivel (Leg) Tee	Metric Heavy (S) Male X Metric Heavy (S) Male X Metric Heavy (S) F/S (Leg) Tee	Metric Light (L) Male x Metric Light (L) Male x Metric Light (L) F/S(Leg) Tee

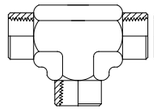
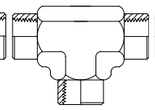
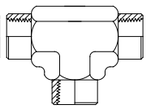
M/M/F Swivel Leg Tee Cont...

ORS3MFSL
C109

ORFS Male X ORFS Male X ORFS Female Swivel (Leg)Tee

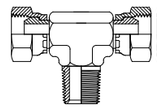
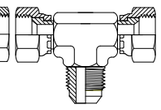
M/M/F Swivel Run Tee

B3MFSR	J3MFSR	MH3MFSR	ML3MFSR	ORS3MFSR
C100	C105	C106	C107	C110
				
BSPT Male X BSPT Male X BSPP Female Swivel (Run) Tee	JIC Male X JIC Male X JIC Female Swivel (Run) Tee	Metric Heavy (S) Male X Metric Heavy (S) Male X Metric Heavy (S) Female Swivel (Run) Tee	Metric Light (L) Male x Metric Light (L) Male x Metric Light (L) Female Swivel (Run) Tee	ORFSM X ORFSM X ORFS Female Swivel (Run)Tee

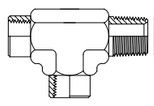
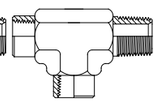
F/F/F Tee

B3F	BP3F	N3F
C99	C101	C107
		
BSPT Female Tee	BSPP Female Tee	NPT Female Tee

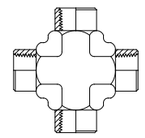
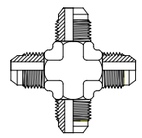
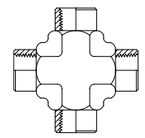
F/F/M Leg Tee

B3FSML	J3FSML
C99	C103
	
BSPP Female Swivel X BSPP Female Swivel X BSPT Male (Leg) Tee	JIC Female Swivel X JIC Female Swivel X JIC Male (Leg)

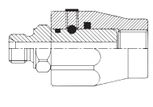
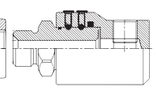
F/F/M Run Tee

B3FMR	N3FMR
C99	C108
	
BSPT Female X BSPT Female X BSPT Male (Run) Tee	NPT Female X NPT Female X NPT Male (Run) Tee

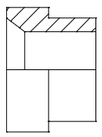
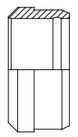
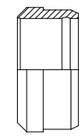
Cross

BXF	JXM	NXF
C112	C112	C112
		
BSPP Female Cross	JIC Male Cross	NPT Female Cross

Swivel Joint

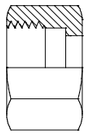
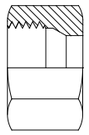
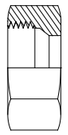
SWJ-BP1MF	SWJ-BP9MF
C113	C113
	
BSPP Male X BSPP Female Swivel Joint	BSPP Male X BSPP Female Swivel Joint 90°

Tube Sleeve

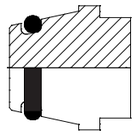
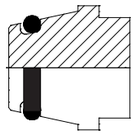
JFF	MHF	MLF
C114	C115	C116
		
Flare Tube Sleeve	Metric Heavy (S) Cutting Ring	Metric Light (L) Cutting Ring

Adaptors

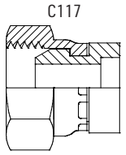
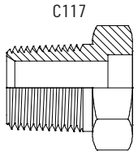
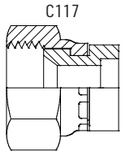
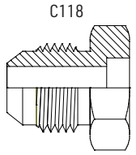
Tube Nut

JNF	MHN	MLN
C114	C115	C116
		
JIC X TUBE NUT	Metric Heavy (S) Tube Nut	Metric Light (L) Tube Nut

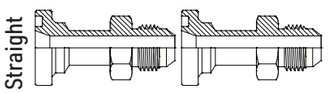
Inserts

MHI	MLI
C115	C116
	
Metric Heavy (S) Insert	Metric Light (L) Insert

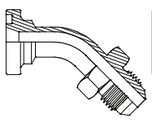
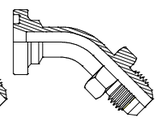
Flange Adaptors

BFSTW	BMTW	JFSTW	JMTW
C117	C117	C117	C118
			
BSPP Female Swivel X O D Tube Weld	BSPT Male X O D Tube Weld	JIC Female Swivel X Tube Weld	JIC Male X Tube Weld

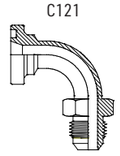
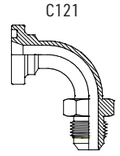
SAE Flange Adaptors Straight

SF61J1M	SF62J1M
C119	C119
	
Code 61 Flange X JIC Male	Code 62 Flange X JIC Male

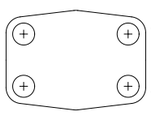
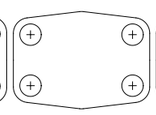
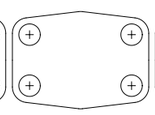
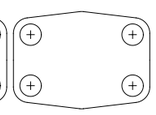
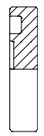
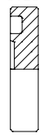
SAE Flange Adaptors 45°

SF61J4M	SF62J4M
C120	C120
	
Code61 Flange X JIC Male Swept 45°	Code 62 Flange X JIC Male Swept 45°

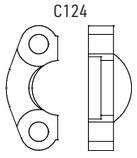
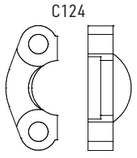
SAE Flange Adaptors 90°

SF61J9M	SF62J9M
C121	C121
	
Code 61 Flange X JIC Male Swept 90°	Code 62 Flange X JIC Male Swept 90°

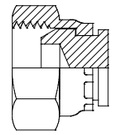
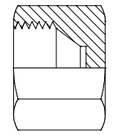
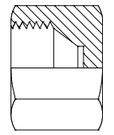
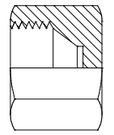
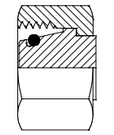
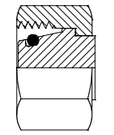
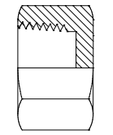
Flange Blanks

FB61	FB62	FBL61	FBL62	FBI61	FBI62
C122	C122	C123	C123	C122	C123
					
Code 62 Flange Blank (High Pressure)	Code 62 Flange Blank (High Pressure)	Code 61 Flange Blank (Low Pressure)	Code 62 Flange Blank (Low Pressure)	Code 61 Flange Blank Insert	Code 62 Flange Blank Insert

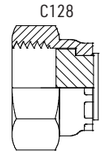
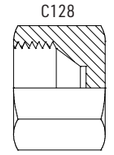
Flange Clamps

SFC61	SFC62	SFK61	SFK62
C124	C124	C125	C125
			
Code 61 Split Flange Clamp (Pair)	Code 62 Split Flange Clamp (Pair)	Code 61 Split Flange Kit	Code 62 Split Flange Kit

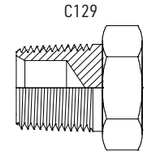
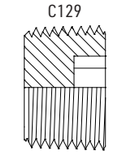
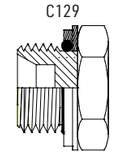
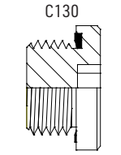
Caps

BPC	JC	JISC	KC	MHC	MLC	NC
C126	C126	C126	C127	C127	C127	C128
						
BSPP Cap	JIC Cap	JIS (BSPP) Cap	Komatsu Cap	Metric Heavy (S) Cap	Metric Light (L) Cap	NPT Cap

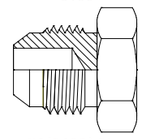
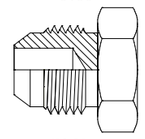
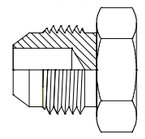
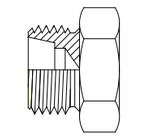
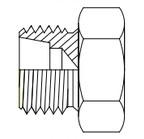
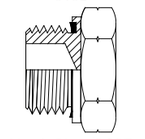
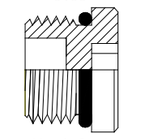
Caps Cont...

ORSC	SC
C128	C128
	
ORFS Female Cap	SAE Cap

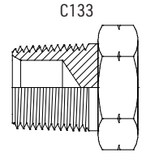
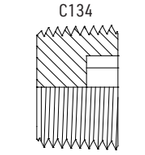
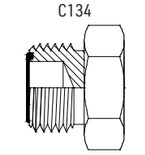
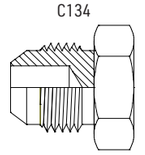
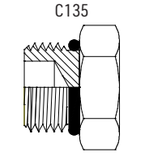
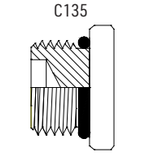
Plugs

BP	BP-R	BPP	BPP-R
C129	C129	C129	C130
			
BSPT Plug	BSPT Socket Head Plug (Round)	BSPP Plug	BSPP C/Sunk Plug Encapsulated Seal

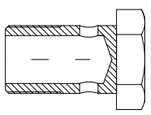
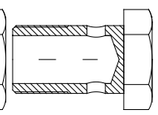
Plugs Cont...

JISP	JP	KP	MHP	MLP	MSP	MSP-R
C130	C130	C131	C131	C131	C132	C133
						
JIS(BSPP) Plug	JIC Plug	Komatsu Plug	Metric Heavy (S) Plug	Metric Light (L) Plug	Metric Plug (PORT PLUG)	Metric Stud Countersunk Plug(PORT PLUG)

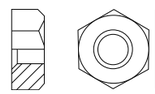
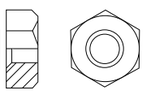
Plugs Cont...

NP	NP-R	ORSP	SP	UP	UP-R
C133	C134	C134	C134	C135	C135
					
NPT Plug	NPT Socket Head Plug (Round)	ORFS MALE PLUG	SAE Plug	UNO Plug	UNOPlug Counter Sunk

Banjo Bolt

BANJOBT-B	BANJOBT-M
C136	C136
	
BSPP Banjo Bolt	Metric Banjo Bolt

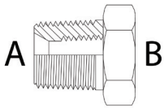
Bulkhead Nuts

BPBHN	JBHN
C137	C137
	
BSPP Bulkhead Lock Nut	JIC Bulkhead Lock Nut

Adaptors
TRUFLOW HYDRAULIC HOSE AND FITTINGS

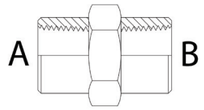
Straight Adaptors

B1B — BSPT Male X BSPT Female Red Bush



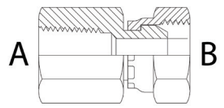
Part #	BSPT M	BSPT F
B1B-04-02	1/4	1/8
B1B-06-02	3/8	1/8
B1B-06-04	3/8	1/4
B1B-08-02	1/2	1/8
B1B-08-04	1/2	1/4
B1B-08-06	1/2	3/8
B1B-12-04	3/4	1/4
B1B-12-06	3/4	3/8
B1B-12-08	3/4	1/2
B1B-16-04	1	1/4
B1B-16-06	1	3/8
B1B-16-08	1	1/2
B1B-16-12	1	3/4
B1B-20-08	1 1/4	1/2
B1B-20-12	1 1/4	3/4
B1B-20-16	1 1/4	1
B1B-24-08	1 1/2	1/2
B1B-24-12	1 1/2	3/4
B1B-24-16	1 1/2	1
B1B-24-20	1 1/2	1 1/4
B1B-32-16	2	1
B1B-32-20	2	1 1/4
B1B-32-24	2	1 1/2

B1F — BSPT Female X BSPT Female



Part #	BSPT F	BSPT F
B1F-02-02	1/8	1/8
B1F-02-04	1/8	1/4
B1F-02-06	1/8	3/8
B1F-04-04	1/4	1/4
B1F-04-06	1/4	3/8
B1F-04-08	1/4	1/2
B1F-06-06	3/8	3/8
B1F-06-08	3/8	1/2
B1F-08-08	1/2	1/2
B1F-08-12	1/2	3/4
B1F-12-12	3/4	3/4
B1F-12-16	3/4	1
B1F-16-16	1	1
B1F-16-20	1	1 1/4
B1F-20-20	1 1/4	1 1/4
B1F-24-24	1 1/2	1 1/2
B1F-32-32	2	2

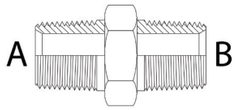
B1FFS — BSPT Female X BSPP Female Swivel



Part #	BSPT F	BSPP F/S
B1FFS-04-04	1/4	1/4
B1FFS-06-06	3/8	3/8
B1FFS-08-06	1/2	3/8
B1FFS-08-08	1/2	1/2
B1FFS-12-12	3/4	3/4
B1FFS-16-16	1	1

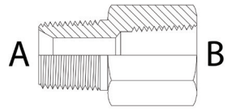
Adaptors

B1M — BSPT Male X BSPT Male



Part #	BSPT M	BSPT M
B1M-02-02	1/8	1/8
B1M-02-04	1/8	1/4
B1M-02-06	1/8	3/8
B1M-04-04	1/4	1/4
B1M-04-06	1/4	3/8
B1M-04-08	1/4	1/2
B1M-04-12	1/4	3/4
B1M-06-06	3/8	3/8
B1M-06-08	3/8	1/2
B1M-06-12	3/8	3/4
B1M-06-16	3/8	1
B1M-08-08	1/2	1/2
B1M-08-10	1/2	5/8
B1M-08-12	1/2	3/4
B1M-08-16	1/2	1
B1M-10-10	5/8	5/8
B1M-10-12	5/8	3/4
B1M-12-12	3/4	3/4
B1M-12-16	3/4	1
B1M-12-20	3/4	1 1/4
B1M-12-24	3/4	1 1/2
B1M-16-16	1	1
B1M-16-20	1	1 1/4
B1M-16-24	1	1 1/2
B1M-20-20	1 1/4	1 1/4
B1M-20-24	1 1/4	1 1/2
B1M-20-32	1 1/4	2
B1M-24-24	1 1/2	1 1/2
B1M-24-32	1 1/2	2
B1M-32-32	2	2

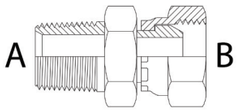
B1MF — BSPT Male X BSPT Female



Part #	BSPT M	BSPT F
B1MF-02-02	1/8	1/8
B1MF-02-04	1/8	1/4
B1MF-04-04	1/4	1/4
B1MF-04-06	1/4	3/8
B1MF-04-08	1/4	1/2
B1MF-06-06	3/8	3/8
B1MF-06-08	3/8	1/2
B1MF-08-08	1/2	1/2
B1MF-08-12	1/2	3/4
B1MF-12-12	3/4	3/4
B1MF-12-16	3/4	1
B1MF-16-16	1	1
B1MF-16-20	1	1 1/4
B1MF-20-20	1 1/4	1 1/4
B1MF-24-24	1 1/2	1 1/2
B1MF-32-32	2	2

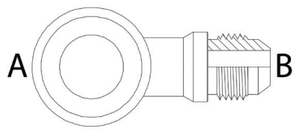
Adaptors

B1MFS — BSPT Male X BSPP Female Swivel



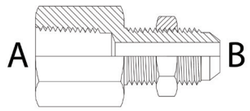
Part #	BSPT M	BSPP F/S
B1MFS-02-02	1/8	1/8
B1MFS-02-04	1/8	1/4
B1MFS-04-04	1/4	1/4
B1MFS-04-06	1/4	3/8
B1MFS-04-08	1/4	1/2
B1MFS-06-04	3/8	1/4
B1MFS-06-06	3/8	3/8
B1MFS-06-08	3/8	1/2
B1MFS-06-12	3/8	3/4
B1MFS-08-04	1/2	1/4
B1MFS-08-06	1/2	3/8
B1MFS-08-08	1/2	1/2
B1MFS-08-12	1/2	3/4
B1MFS-08-16	1/2	1
B1MFS-12-08	3/4	1/2
B1MFS-12-12	3/4	3/4
B1MFS-12-16	3/4	1
B1MFS-16-12	1	3/4
B1MFS-16-16	1	1
B1MFS-16-20	1	1 1/4
B1MFS-20-16	1 1/4	1
B1MFS-20-20	1 1/4	1 1/4
B1MFS-20-24	1 1/4	1 1/2
B1MFS-24-24	1 1/2	1 1/2
B1MFS-32-32	2	2

BBANJOJ1M — BSP Banjo X JIC Male



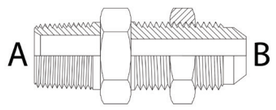
Part #	Banjo	JIC M
BBANJOJ1M-04-04	1/4	7/16
BBANJOJ1M-04-06	1/4	9/16
BBANJOJ1M-06-06	3/8	9/16
BBANJOJ1M-08-08	1/2	3/4

BJ10FM — BSPT Female X JIC Male Bulkhead



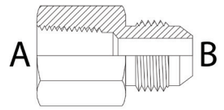
Part #	BSPT M	JIC BH
BJ10FM-04-04	1/4	7/16

BJ10M — BSPT Male X JIC Male Bulkhead



Part #	BSPT M	JIC BH
BJ10M-06-06	3/8	9/16
BJ10M-08-08	1/2	3/4

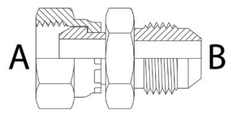
BJ1FM — BSPT Female X JIC Male



Part #	BSPT F	JIC M
BJ1FM-02-04	1/8	7/16
BJ1FM-04-04	1/4	7/16
BJ1FM-04-06	1/4	9/16
BJ1FM-06-06	3/8	9/16
BJ1FM-06-08	3/8	3/4
BJ1FM-08-06	1/2	9/16
BJ1FM-08-08	1/2	3/4
BJ1FM-08-10	1/2	7/8
BJ1FM-08-12	1/2	1 1/16
BJ1FM-12-08	3/4	3/4
BJ1FM-12-12	3/4	1 1/16
BJ1FM-16-16	1	1 5/16

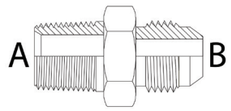
Adaptors

BJ1FSM — BSPP Female Swivel X JIC Male



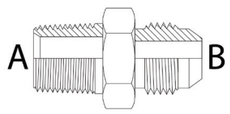
Part #	BSPP F	JIC M
BJ1FSM-04-04	1/4	7/16
BJ1FSM-04-06	1/4	9/16
BJ1FSM-06-04	3/8	7/16
BJ1FSM-06-06	3/8	9/16
BJ1FSM-08-08	1/2	3/4
BJ1FSM-12-12	3/4	1 1/16
BJ1FSM-16-16	1	1 5/16

BJ1M — BSPT Male X JIC Male



Part #	BSPT M	JIC M
BJ1M-02-03	1/8	3/8
BJ1M-02-04	1/8	7/16
BJ1L46M-02-04*	1/8	7/16
BJ1M-02-05	1/8	1/2
BJ1M-02-06	1/8	9/16
BJ1L46M-04-04*	1/4	7/16
BJ1M-04-04	1/4	7/16
BJ1M-04-05	1/4	1/2
BJ1M-04-06	1/4	9/16
BJ1M-04-08	1/4	3/4
BJ1M-04-10	1/4	7/8
BJ1M-06-04	3/8	7/16
BJ1M-06-05	3/8	1/2
BJ1M-06-06	3/8	9/16
BJ1M-06-08	3/8	3/4
BJ1M-06-10	3/8	7/8
BJ1M-06-12	3/8	1 1/16
BJ1M-08-04	1/2	7/16
BJ1M-08-06	1/2	9/16
BJ1M-08-08	1/2	3/4
BJ1M-08-10	1/2	7/8
BJ1M-08-12	1/2	1 1/16
BJ1M-08-16	1/2	1 5/16
BJ1M-12-06	3/4	9/16
BJ1M-12-08	3/4	3/4
BJ1M-12-10	3/4	7/8
BJ1M-12-12	3/4	1 1/16
BJ1M-12-14	3/4	1 3/16
BJ1M-12-16	3/4	1 5/16
BJ1M-16-08	1	3/4

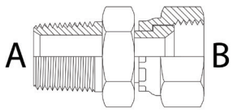
BJ1M CONT... — BSPT Male X JIC Male



Part #	BSPT M	JIC M
BJ1M-16-10	1	7/8
BJ1M-16-12	1	1 1/16
BJ1M-16-16	1	1 5/16
BJ1M-16-20	1	1 5/8
BJ1M-20-12	1 1/4	1 1/16
BJ1M-20-16	1 1/4	1 5/16
BJ1M-20-20	1 1/4	1 5/8
BJ1M-20-24	1 1/4	1 7/8
BJ1M-24-12	1 1/2	1 1/16
BJ1M-24-16	1 1/2	1 5/16
BJ1M-24-20	1 1/2	1 5/8
BJ1M-24-24	1 1/2	1 7/8
BJ1M-24-32	1 1/2	2 1/2
BJ1M-32-20	2	1 5/8
BJ1M-32-24	2	1 7/8
BJ1M-32-32	2	2 1/2
BJ1M-40-32	2 1/2	2 1/2

*Long Drop L= Length eg; BJ1L46M-02-04 is 46mm long

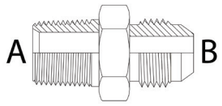
BJ1MFS — BSPT Male X JIC Female Swivel



Part #	BSPT M	BSP F
BJ1MFS-02-04	1/8	7/16
BJ1MFS-04-04	1/4	7/16
BJ1MFS-04-06	1/4	9/16
BJ1MFS-04-08	1/4	3/4
BJ1MFS-06-06	3/8	9/16
BJ1MFS-06-08	3/8	3/4
BJ1MFS-06-10	3/8	7/8
BJ1MFS-08-06	1/2	9/16
BJ1MFS-08-08	1/2	3/4
BJ1MFS-08-10	1/2	7/8
BJ1MFS-08-12	1/2	1 1/16
BJ1MFS-12-10	3/4	7/8
BJ1MFS-12-12	3/4	1 1/16
BJ1MFS-12-16	3/4	1 5/16
BJ1MFS-16-12	1	1 1/16
BJ1MFS-16-16	1	1 5/16
BJ1MFS-20-20	1 1/4	1 5/8
BJ1MFS-24-24	1 1/2	1 7/8

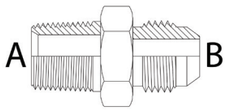
Adaptors

BJIS1M — BSPT Male X JIS (BSPP) Male



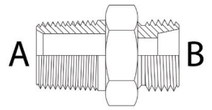
Part #	BSPT M	JIS M
BJIS1M-04-04	1/4	1/4

BK1M — BSPT Male X Komatsu JIS (Metric) Male



Part #	BSPT M	METRIC M
BK1M-04-12M	1/4	M12X1.5
BK1M-04-14M	1/4	M14X1.5
BK1M-06-14M	3/8	M14X1.5
BK1M-06-16M	3/8	M16X1.5
BK1M-06-18M	3/8	M18X1.5
BK1M-06-20M	3/8	M20X1.5
BK1M-06-22M	3/8	M22X1.5
BK1M-08-18M	1/2	M18X1.5
BK1M-08-22M	1/2	M22X1.5
BK1M-08-24M	1/2	M24X1.5
BK1M-12-24M	3/4	M24X1.5
BK1M-12-30M	3/4	M30X1.5
BK1M-16-33M	1	M33X1.5

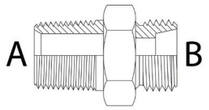
BMH1M — BSPT Male X Metric Heavy (S) Male



Part #	BSPT M	Metric M
BMH1M-04-14M	1/4	M14X1.5
BMH1M-04-16M	1/4	M16X1.5
BMH1M-06-18M	3/8	M18X1.5
BMH1M-06-20M	3/8	M20X1.5
BMH1M-06-22M	3/8	M22X1.5
BMH1M-06-24M	3/8	M24X1.5
BMH1M-08-16M	1/2	M16X1.5
BMH1M-08-18M	1/2	M18X1.5
BMH1M-08-20M	1/2	M20X1.5
BMH1M-08-22M	1/2	M22X1.5
BMH1M-08-24M	1/2	M24X1.5
BMH1M-08-30M	1/2	M30X2
BMH1M-12-30M	3/4	M30X2
BMH1M-12-36M	3/4	M36X2
BMH1M-16-36M	1	M36X2
BMH1M-16-42M	1	M42X2
BMH1M-20-42M	1 1/4	M42X2
BMH1M-24-52M	1 1/2	M42X2

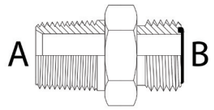
Adaptors

BML1M — BSPT Male X Metric Light (L) Male



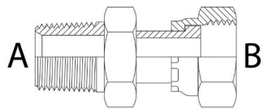
Part #	BSPT M	Metric M
BML1M-02-12M	1/8	M12X1.5
BML1M-02-14M	1/8	M14X1.5
BML1M-02-16M	1/8	M16X1.5
BML1M-04-12M	1/4	M12X1.5
BML1M-04-14M	1/4	M14X1.5
BML1M-04-16M	1/4	M16X1.5
BML1M-04-18M	1/4	M18X1.5
BML1M-06-14M	3/8	M14X1.5
BML1M-06-16M	3/8	M16X1.5
BML1M-06-18M	3/8	M18X1.5
BML1M-06-22M	3/8	M22X1.5
BML1M-08-14M	1/2	M14X1.5
BML1M-08-16M	1/2	M16X1.5
BML1M-08-18M	1/2	M18X1.5
BML1M-08-22M	1/2	M22X1.5
BML1M-08-26M	1/2	M26X1.5
BML1M-12-26M	3/4	M26X1.5
BML1M-12-30M	3/4	M30X2
BML1M-16-36M	1	M36X2
BML1M-20-45M	1 1/4	M45X2
BML1M-24-52M	1 1/2	M42X2

BORS1M — BSPT Male X ORFS Male



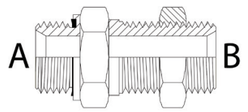
Part #	BSPT M	ORFS M
BORS1M-02-04	1/8	9/16
BORS1M-04-04	1/4	9/16
BORS1M-04-06	1/4	11/16
BORS1M-06-06	3/8	11/16
BORS1M-06-08	3/8	13/16
BORS1M-08-08	1/2	13/16
BORS1M-08-10	1/2	1
BORS1M-08-12	1/2	1 3/16
BORS1M-12-12	3/4	1 3/16
BORS1M-12-16	3/4	1 7/16
BORS1M-16-12	1	1 3/16
BORS1M-16-16	1	1 7/16
BORS1M-20-20	1 1/4	1 11/16

BORS1MFS — BSPT Male X ORFS Female Swivel



Part #	BSPT M	ORFS F
BORS1MFS-04-04	1/4	9/16
BORS1MFS-06-06	3/8	11/16
BORS1MFS-08-08	1/2	13/16
BORS1MFS-12-12	3/4	1 3/16
BORS1MFS-16-16	1	1 7/16

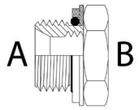
BP10M — BSPP Male X BSPP Male Bulkhead



Part #	BSPP M	BSPP BH
BP10M-02-02	1/8	1/8
BP10M-04-04	1/4	1/4
BP10M-06-06	3/8	3/8
BP10M-08-08	1/2	1/2
BP10M-12-12	3/4	3/4
BP10M-16-16	1	1
BP10M-20-20	1 1/4	1 1/4
BP10M-24-24	1 1/2	1 1/2
BP10M-32-32	2	2

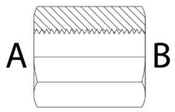
Adaptors

BP1B — BSPP Male X BSPP Female Red Bush



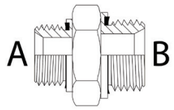
Part #	BSPP M	BSPP F
BP1B-04-02	1/4	1/8
BP1B-06-02	3/8	1/8
BP1B-06-04	3/8	1/4
BP1B-08-04	1/2	1/4
BP1B-08-06	1/2	3/8
BP1B-12-04	3/4	1/4
BP1B-12-06	3/4	3/8
BP1B-12-08	3/4	1/2
BP1B-16-06	1	3/8
BP1B-16-08	1	1/2
BP1B-16-12	1	3/4
BP1B-20-08	1 1/4	1/2
BP1B-20-12	1 1/4	3/4
BP1B-20-16	1 1/4	1
BP1B-24-12	1 1/2	3/4
BP1B-24-16	1 1/2	1
BP1B-24-20	1 1/2	1 1/4
BP1B-32-24	2	1 1/2

BP1F — BSPP Female X BSPP Female



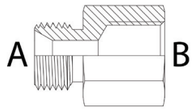
Part #	BSPP F	BSPP F
BP1F-02-02	1/8	1/8
BP1F-04-04	1/4	1/4
BP1F-06-06	3/8	3/8
BP1F-08-08	1/2	1/2
BP1F-12-12	3/4	3/4
BP1F-16-16	1	1

BP1M — BSPP Male X BSPP Male



Part #	BSPP M	BSPP M
BP1M-02-02	1/8	1/8
BP1M-02-04	1/8	1/4
BP1M-04-04	1/4	1/4
BP1M-04-06	1/4	3/8
BP1M-04-08	1/4	1/2
BP1M-06-06	3/8	3/8
BP1M-06-08	3/8	1/2
BP1M-06-12	3/8	3/4
BP1M-08-08	1/2	1/2
BP1M-08-12	1/2	3/4
BP1M-12-12	3/4	3/4
BP1M-12-16	3/4	1
BP1M-12-20	3/4	1 1/4
BP1M-16-16	1	1
BP1M-16-20	1	1 1/4
BP1M-20-20	1 1/4	1 1/4
BP1M-20-24	1 1/4	1 1/2
BP1M-20-32	1 1/4	2
BP1M-24-24	1 1/2	1 1/2
BP1M-24-32	1 1/2	2
BP1M-32-32	2	2

BP1MF — BSPP Male X BSPP Female

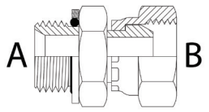


Part #	BSPP M	BSPP F
BP1MF-04-04	1/4	1/4
BP1MF-04-08	1/4	1/2
BP1MF-06-08	3/8	1/2
BP1MF-08-08	1/2	1/2
BP1MF-08-12	1/2	3/4
BP1MF-16-16	1	1
BP1MF-16-20	1	1 1/4
BP1MF-20-20	1 1/4	1 1/4

Adaptors

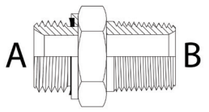
TRUFLOW HYDRAULIC HOSE AND FITTINGS

BP1MFS — BSPP Male X BSPP Female Swivel



Part #	BSPP M	BSPP F
BP1MFS-02-02	1/8	1/8
BP1MFS-04-04	1/4	1/4
BP1MFS-04-06	1/4	3/8
BP1MFS-06-04	3/8	1/4
BP1MFS-06-06	3/8	3/8
BP1MFS-06-08	3/8	1/2
BP1MFS-08-06	1/2	3/8
BP1MFS-08-08	1/2	1/2
BP1MFS-08-12	1/2	3/4
BP1MFS-12-08	3/4	1/2
BP1MFS-12-12	3/4	3/4
BP1MFS-12-16	3/4	1
BP1MFS-16-12	1	3/4
BP1MFS-16-16	1	1
BP1MFS-16-20	1	1 1/4
BP1MFS-20-20	1 1/4	1 1/4
BP1MFS-24-24	1 1/2	1 1/2

BPB1M — BSPP Male X BSPT Male



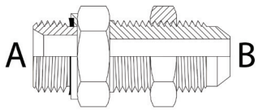
Part #	BSPP M	BSPT M
BPB1M-02-02	1/8	1/8
BPB1M-02-04	1/8	1/4
BPB1M-04-02	1/4	1/8
BPB1M-04-04	1/4	1/4
BPB1M-04-06	1/4	3/8
BPB1M-04-08	1/4	1/2
BPB1M-06-04	3/8	1/4
BPB1M-06-06	3/8	3/8
BPB1M-06-08	3/8	1/2
BPB1M-06-12	3/8	3/4
BPB1M-08-04	1/2	1/4
BPB1M-08-06	1/2	3/8
BPB1M-08-08	1/2	1/2
BPB1M-08-12	1/2	3/4
BPB1M-08-16	1/2	1
BPB1M-12-06	3/4	3/8
BPB1M-12-08	3/4	1/2
BPB1M-12-12	3/4	3/4
BPB1M-12-16	3/4	1
BPB1M-16-08	1	1/2
BPB1M-16-12	1	3/4
BPB1M-16-16	1	1
BPB1M-16-20	1	1 1/4
BPB1M-16-24	1	1 1/2
BPB1M-20-12	1 1/4	3/4
BPB1M-20-16	1 1/4	1
BPB1M-20-20	1 1/4	1 1/4
BPB1M-20-24	1 1/4	1 1/2
BPB1M-24-20	1 1/2	1 1/4
BPB1M-24-24	1 1/2	1 1/2
BPB1M-24-32	1 1/2	2
BPB1M-32-32	2	2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Adaptors

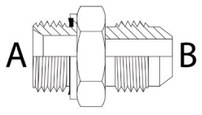
TRUFLOW HYDRAULIC HOSE AND FITTINGS

BPJ10M — BSPP Male X JIC Male Bulkhead



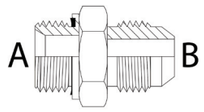
Part #	BSPP M	JIC BH
BPJ10M-04-04	1/4	7/16
BPJ10M-06-06	3/8	9/16
BPJ10M-06-08	3/8	3/4
BPJ10M-08-08	1/2	3/4
BPJ10M-08-10	1/2	7/8
BPJ10M-12-12	3/4	1 1/16
BPJ10M-16-16	1	1 5/16

BPJ1M — BSPP Male X JIC Male



Part #	BSPP M	JIC M
BPJ1M-02-04	1/8	7/16
BPJ1M-02-06	1/8	9/16
BPJ1M-04-04	1/4	7/16
BPJ1M-04-05	1/4	1/2
BPJ1M-04-06	1/4	9/16
BPJ1M-04-08	1/4	3/4
BPJ1M-04-12	1/4	1 1/16
BPJ1M-06-04	3/8	7/16
BPJ1M-06-05	3/8	1/2
BPJ1M-06-06	3/8	9/16
BPJ1M-06-08	3/8	3/4
BPJ1M-06-10	3/8	7/8
BPJ1M-06-12	3/8	1 1/16
BPJ1M-08-04	1/2	7/16
BPJ1M-08-06	1/2	9/16
BPJ1M-08-08	1/2	3/4
BPJ1M-08-10	1/2	7/8
BPJ1M-08-12	1/2	1 1/16
BPJ1M-08-16	1/2	1 5/16
BPJ1M-10-12	5/8	1 1/16
BPJ1M-12-06	3/4	9/16
BPJ1M-12-08	3/4	3/4
BPJ1M-12-10	3/4	7/8
BPJ1M-12-12	3/4	1 1/16
BPJ1M-12-16	3/4	1 5/16
BPJ1M-16-08	1	3/4
BPJ1M-16-10	1	7/8
BPJ1M-16-12	1	1 1/16
BPJ1M-16-16	1	1 5/16

BPJ1M cont... — BSPP Male X JIC Male

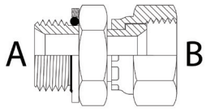


Part #	BSPP M	JIC M
BPJ1M-16-20	1	1 5/8
BPJ1M-16-24	1	1 7/8
BPJ1M-20-08	1 1/4	3/4
BPJ1M-20-12	1 1/4	1 1/16
BPJ1M-20-16	1 1/4	1 5/16
BPJ1M-20-20	1 1/4	1 5/8
BPJ1M-20-24	1 1/4	1 7/8
BPJ1M-24-16	1 1/2	1 5/16
BPJ1M-24-20	1 1/2	1 5/8
BPJ1M-24-24	1 1/2	1 7/8
BPJ1M-24-32	1 1/2	2 1/2
BPJ1M-32-16	2	1 5/16
BPJ1M-32-20	2	1 5/8
BPJ1M-32-24	2	1 7/8
BPJ1M-32-32	2	2 1/2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

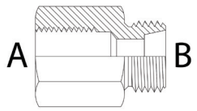
Adaptors

BPJ1MFS — BSPP Male X JIC Female Swivel



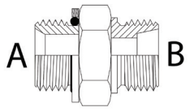
Part #	BSPP M	JIC F
BPJ1MFS-02-04	1/8	7/16
BPJ1MFS-04-04	1/4	7/16
BPJ1MFS-04-06	1/4	9/16
BPJ1MFS-06-04	3/8	7/16
BPJ1MFS-06-06	3/8	9/16
BPJ1MFS-06-08	3/8	3/4
BPJ1MFS-06-10	3/8	7/8
BPJ1MFS-08-06	1/2	9/16
BPJ1MFS-08-08	1/2	3/4
BPJ1MFS-08-10	1/2	7/8
BPJ1MFS-08-12	1/2	1 1/16
BPJ1MFS-12-08	3/4	3/4
BPJ1MFS-12-10	3/4	7/8
BPJ1MFS-12-12	3/4	1 1/16
BPJ1MFS-12-16	3/4	1 5/16
BPJ1MFS-16-12	1	1 1/16
BPJ1MFS-16-16	1	1 5/16
BPJ1MFS-20-20	1 1/4	1 5/8
BPJ1MFS-24-24	1 1/2	1 7/8

BPMH1FM — BSPP Female X Metric Heavy (S) Male



Part #	BSPP F	Metric M
BPMH1FM-04-14M	1/4	M14X1.5
BPMH1FM-04-16M	1/4	M16X1.5
BPMH1FM-06-18M	3/8	M18X1.5
BPMH1FM-06-20M	3/8	M20X1.5
BPMH1FM-08-22M	1/2	M22X1.5
BPMH1FM-08-24M	1/2	M24X1.5
BPMH1FM-12-30M	3/4	M30X2
BPMH1FM-16-36M	1	M36X2
BPMH1FM-20-42M	1 1/4	M42X2
BPMH1FM-24-52M	1 1/2	M42X2

BPMH1M — BSPP Male X Metric Heavy (S) Male

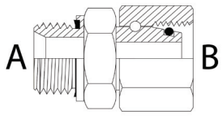


Part #	BSPP M	Metric M
BPMH1M-04-14M	1/4	M14X1.5
BPMH1M-04-16M	1/4	M16X1.5
BPMH1M-04-18M	1/4	M18X1.5
BPMH1M-04-20M	1/4	M20X1.5
BPMH1M-06-16M	3/8	M16X1.5
BPMH1M-06-18M	3/8	M18X1.5
BPMH1M-06-20M	3/8	M20X1.5
BPMH1M-06-22M	3/8	M22X1.5
BPMH1M-06-24M	3/8	M24X1.5
BPMH1M-08-18M	1/2	M18X1.5
BPMH1M-08-20M	1/2	M20X1.5
BPMH1M-08-22M	1/2	M22X1.5
BPMH1M-08-24M	1/2	M24X1.5
BPMH1M-08-30M	1/2	M30X2
BPMH1M-12-24M	3/4	M24X1.5
BPMH1M-12-30M	3/4	M30X2
BPMH1M-12-36M	3/4	M36X2
BPMH1M-16-30M	1	M30X2
BPMH1M-16-36M	1	M36X2
BPMH1M-16-42M	1	M42X2
BPMH1M-20-42M	1 1/4	M42X2
BPMH1M-20-52M	1 1/4	M52X2
BPMH1M-24-52M	1 1/2	M52X2

Adaptors

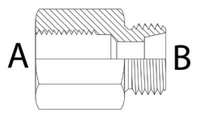
TRUFLOW HYDRAULIC HOSE AND FITTINGS

BPMH1MFS — BSPP Male X Metric Heavy (S) Female Swivel



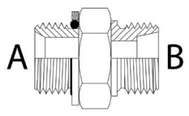
Part #	BSPP M	Metric F
BPMH1MFS-04-14M	1/4	M14X1.5
BPMH1MFS-04-16M	1/4	M16X1.5
BPMH1MFS-04-18M	1/4	M18X1.5
BPMH1MFS-06-18M	3/8	M18X1.5
BPMH1MFS-06-20M	3/8	M20X1.5
BPMH1MFS-08-20M	1/2	M20X1.5
BPMH1MFS-08-22M	1/2	M22X1.5
BPMH1MFS-08-24M	1/2	M24X1.5
BPMH1MFS-08-30M	1/2	M30X2
BPMH1MFS-12-30M	3/4	M30X2
BPMH1MFS-12-36M	3/4	M36X2
BPMH1MFS-16-36M	1	M36X2
BPMH1MFS-20-42M	1 1/4	M42X2
BPMH1MFS-24-52M	1 1/2	M52X2

BPML1FM — BSPP Female X Metric Light (L) Male



Part #	BSPP F	Metric M
BPML1FM-02-12M	1/8	M12X1.5
BPML1FM-04-14M	1/4	M14X1.5
BPML1FM-04-16M	1/4	M16X1.5
BPML1FM-06-18M	3/8	M18X1.5
BPML1FM-08-22M	1/2	M22X1.5
BPML1FM-08-26M	1/2	M26X1.5
BPML1FM-12-30M	3/4	M30X2
BPML1FM-16-36M	1	M36X2
BPML1FM-20-45M	1 1/4	M45X2
BPML1FM-24-52M	1 1/2	M52X2

BPML1M — BSPP Male X Metric Light (L) Male

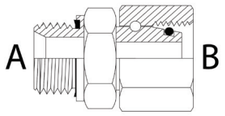


Part #	BSPP M	Metric M
BPML1M-02-12M	1/8	M12X1.5
BPML1M-02-14M	1/8	M14X1.5
BPML1M-02-16M	1/8	M16X1.5
BPML1M-04-12M	1/4	M12X1.5
BPML1M-04-14M	1/4	M14X1.5
BPML1M-04-16M	1/4	M16X1.5
BPML1M-04-18M	1/4	M18X1.5
BPML1M-06-12M	3/8	M12X1.5
BPML1M-06-14M	3/8	M14X1.5
BPML1M-06-16M	3/8	M16X1.5
BPML1M-06-18M	3/8	M18X1.5
BPML1M-06-22M	3/8	M22X1.5
BPML1M-08-14M	1/2	M14X1.5
BPML1M-08-16M	1/2	M16X1.5
BPML1M-08-18M	1/2	M18X1.5
BPML1M-08-22M	1/2	M22X1.5
BPML1M-08-26M	1/2	M26X1.5
BPML1M-08-30M	1/2	M30X2
BPML1M-12-18M	3/4	M18X1.5
BPML1M-12-22M	3/4	M22X1.5
BPML1M-12-26M	3/4	M26X1.5
BPML1M-12-30M	3/4	M30X2
BPML1M-12-36M	3/4	M36X2
BPML1M-16-30M	1	M30X2
BPML1M-16-36M	1	M36X2
BPML1M-16-45M	1	M45X2
BPML1M-20-45M	1 1/4	M45X2
BPML1M-20-52M	1 1/4	M52X2
BPML1M-24-52M	1 1/2	M52X2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

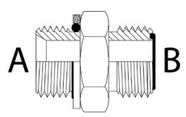
Adaptors

BPML1MFS — BSPP Male X Metric Light (L) Female Swivel



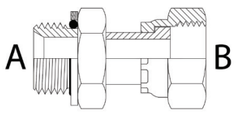
Part #	BSPP M	Metric F
BPML1MFS-02-12M	1/8	M12X1.5
BPML1MFS-04-14M	1/4	M14X1.5
BPML1MFS-04-16M	1/4	M16X1.5
BPML1MFS-04-18M	1/4	M18X1.5
BPML1MFS-06-16M	3/8	M16X1.5
BPML1MFS-06-18M	3/8	M18X1.5
BPML1MFS-06-22M	3/8	M22X1.5
BPML1MFS-08-18M	1/2	M18X1.5
BPML1MFS-08-22M	1/2	M22X1.5
BPML1MFS-08-26M	1/2	M26X1.5
BPML1MFS-12-26M	3/4	M26X1.5
BPML1MFS-12-30M	3/4	M30X2
BPML1MFS-12-36M	3/4	M36X2
BPML1MFS-16-36M	1	M36X2
BPML1MFS-20-45M	1 1/4	M45X2
BPML1MFS-24-52M	1 1/2	M42X2

BPORS1M — BSPP Male X ORFS Male



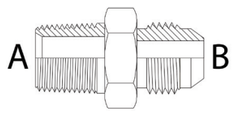
Part #	BSPP M	ORFS M
BPORS1M-02-04	1/8	9/16
BPORS1M-04-04	1/4	9/16
BPORS1M-04-06	1/4	11/16
BPORS1M-04-08	1/4	13/16
BPORS1M-06-04	3/8	9/16
BPORS1M-06-06	3/8	11/16
BPORS1M-06-08	3/8	13/16
BPORS1M-08-06	1/2	11/16
BPORS1M-08-08	1/2	13/16
BPORS1M-08-10	1/2	1
BPORS1M-08-12	1/2	1 3/16
BPORS1M-12-08	3/4	13/16
BPORS1M-12-10	3/4	1
BPORS1M-12-12	3/4	1 3/16
BPORS1M-12-16	3/4	1 7/16
BPORS1M-16-12	1	1 3/16
BPORS1M-16-16	1	1 7/16
BPORS1M-16-20	1	1 11/16
BPORS1M-20-16	1 1/4	1 7/16
BPORS1M-20-20	1 1/4	1 11/16
BPORS1M-24-24	1 1/2	2

BPORS1MFS — BSPP Male X ORFS Female Swivel



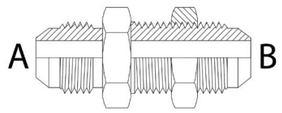
Part #	BSPP M	ORFS F
BPORS1MFS-04-04	1/4	9/16
BPORS1MFS-04-06	1/4	11/16
BPORS1MFS-06-04	3/8	9/16
BPORS1MFS-06-06	3/8	11/16
BPORS1MFS-06-08	3/8	13/16
BPORS1MFS-08-06	1/2	11/16
BPORS1MFS-08-08	1/2	13/16
BPORS1MFS-08-10	1/2	1
BPORS1MFS-08-12	1/2	1 3/16
BPORS1MFS-12-08	3/4	13/16
BPORS1MFS-12-12	3/4	1 3/16
BPORS1MFS-12-16	3/4	1 7/16
BPORS1MFS-16-16	1	1 7/16
BPORS1MFS-16-20	1	1 11/16
BPORS1MFS-20-20	1 1/4	1 11/16

BS1M — BSPT Male X SAE Male



Part #	BSPT M	SAE M
BS1M-04-06	1/4	5/8
BS1M-06-06	3/8	5/8

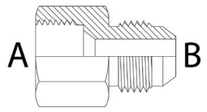
J10M — JIC Male X JIC Male Bulkhead



Part #	JIC M	JIC BH
J10M-04-04	7/16	7/16
J10M-06-06	9/16	9/16
J10M-08-08	3/4	3/4
J10M-10-10	7/8	7/8
J10M-12-12	1 1/16	1 1/16
J10M-16-16	1 5/16	1 5/16
J10M-20-20	1 5/8	1 5/8
J10M-24-24	1 7/8	1 7/8
J10M-32-32	2 1/2	2 1/2

Adaptors

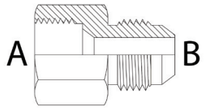
J1FM — JIC Female X JIC Male



Part #	JIC F	JIC M
J1FM-03-04	3/8	7/16
J1FM-04-04-R0.4	7/16	7/16
J1FM-04-04-R0.6	7/16	7/16
J1FM-04-06	7/16	9/16
J1FM-04-08	7/16	3/4
J1FM-05-04	1/2	7/16
J1FM-05-06	1/2	9/16
J1FM-06-04	9/16	7/16
J1FM-06-05	9/16	1/2
J1FM-06-06	9/16	9/16
J1FM-06-06-R0.6	9/16	9/16
J1FM-06-06-R0.9	9/16	9/16
J1FM-06-08	9/16	3/4
J1FM-06-10	9/16	7/8
J1FM-08-04	3/4	7/16
J1FM-08-06	3/4	9/16
J1FM-08-10	3/4	7/8
J1FM-08-12	3/4	1 1/16
J1FM-08-16	3/4	1 5/16
J1FM-10-04	7/8	7/16
J1FM-10-06	7/8	9/16
J1FM-10-08	7/8	3/4
J1FM-10-12	7/8	1 1/16
J1FM-10-16	7/8	1 5/16
J1FM-12-04	1 1/16	7/16
J1FM-12-06	1 1/16	9/16
J1FM-12-08	1 1/16	3/4
J1FM-12-10	1 1/16	7/8
J1FM-12-16	1 1/16	1 5/16
J1FM-14-12	1 3/16	1 1/16
J1FM-16-04	1 5/16	7/16
J1FM-16-06	1 5/16	9/16
J1FM-16-08	1 5/16	3/4
J1FM-16-10	1 5/16	7/8
J1FM-16-12	1 5/16	1 1/16
J1FM-16-20	1 5/16	1 5/8
J1FM-16-24	1 5/16	1 7/8
J1FM-20-08	1 5/8	3/4
J1FM-20-12	1 5/8	1 1/16
J1FM-20-16	1 5/8	1 5/16
J1FM-20-24	1 5/8	1 7/8

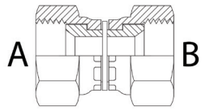
R = Restricted orifice R = Bore size eg; R0.6 = 0.6mm

J1FM Cont... — JIC Female X JIC Male



Part #	JIC F	JIC M
J1FM-24-12	1 7/8	1 1/16
J1FM-24-16	1 7/8	1 5/16
J1FM-24-20	1 7/8	1 5/8
J1FM-24-32	1 7/8	2 1/2
J1FM-32-24	2 1/2	1 7/8

J1FS — JIC Female Swivel X JIC Female Swivel

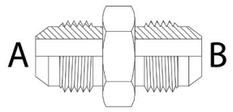


Part #	JIC F	JIC F
J1FS-04-04	7/16	7/16
J1FS-06-06	9/16	9/16
J1FS-08-08	3/4	3/4
J1FS-10-10	7/8	7/8
J1FS-12-12	1 1/16	1 1/16
J1FS-16-16	1 5/16	1 5/16
J1FS-20-20	1 5/8	1 5/8
J1FS-24-24	1 7/8	1 7/8

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

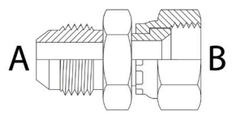
Adaptors

J1M — JIC Male X JIC Male



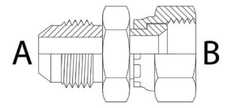
Part #	JIC M	JIC M
J1M-04-04	7/16	7/16
J1M-04-06	7/16	9/16
J1M-04-08	7/16	3/4
J1M-05-05	1/2	1/2
J1M-06-06	9/16	9/16
J1M-06-08	9/16	3/4
J1M-06-10	9/16	7/8
J1M-08-08	3/4	3/4
J1M-08-10	3/4	7/8
J1M-08-12	3/4	1 1/16
J1M-10-10	7/8	7/8
J1M-10-12	7/8	1 1/16
J1M-12-12	1 1/16	1 1/16
J1M-12-16	1 1/16	1 5/16
J1M-16-16	1 5/16	1 5/16
J1M-16-20	1 5/16	1 5/8
J1M-16-24	1 5/16	1 7/8
J1M-20-20	1 5/8	1 5/8
J1M-20-24	1 5/8	1 7/8
J1M-24-24	1 7/8	1 7/8
J1M-24-32	1 7/8	2 1/2
J1M-32-32	2 1/2	2 1/2

J1MFS — JIC Male X Female Swivel



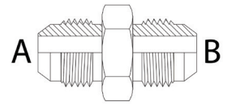
Part #	JIC M	JIC F
J1MFS-04-04	7/16	7/16
J1MFS-06-06	9/16	9/16
J1MFS-08-08	3/4	3/4
J1MFS-10-10	7/8	7/8
J1MFS-12-12	1 1/16	1 1/16
J1MFS-16-16	1 5/16	1 5/16
J1MFS-20-20	1 5/8	1 5/8
J1MFS-24-24	1 7/8	1 7/8

JIS1MFS — JIS Male X JIS FemaleBSPP Port



Part #	JIS M	JIS F
JIS1MFS-08-08TP	3/4	3/4

K1M — Komatsu Male X Komatsu Male

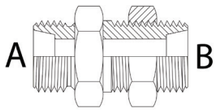


Part #	Metric M	Metric M
K1M-12M-12M	M12X1.5	M12X1.5
K1M-14M-14M	M14X1.5	M14X1.5
K1M-16M-16M	M16X1.5	M16X1.5
K1M-18M-18M	M18X1.5	M18X1.5
K1M-30M-30M	M30X1.5	M30X2
K1M-33M-33M	M33X1.5	M33X1.5

Adaptors

TRUFLOW HYDRAULIC HOSE AND FITTINGS

MH10M — Metric Heavy (S) Male X Metric Heavy (S) Male Bulkhead

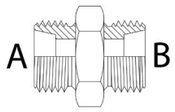


Part #	Metric M	Metric BH
MH10M-14M-14M	M14X1.5	M14X1.5
MH10M-16M-16M	M16X1.5	M16X1.5
MH10M-18M-18M	M18X1.5	M18X1.5
MH10M-20M-20M	M20X1.5	M20X1.5
MH10M-22M-22M	M22X1.5	M22X1.5
MH10M-24M-24M	M24X1.5	M24X1.5
MH10M-30M-30M	M30X2	M30X2
MH10M-36M-36M	M36X2	M36X2
MH10M-42M-42M	M42X2	M42X2
MH10M-52M-52M	M52X2	M52X2

MH1FS — Metric Heavy (S) Female Swivel X Metric Heavy (S) Female Swivel

Part #	Metric F	Metric F
MH1FS-14M-14M	M14X1.5	M14X1.5
MH1FS-16M-16M	M16X1.5	M16X1.5
MH1FS-18M-18M	M18X1.5	M18X1.5
MH1FS-20M-20M	M20X1.5	M20X1.5
MH1FS-22M-22M	M22X1.5	M22X1.5
MH1FS-24M-24M	M24X1.5	M24X1.5
MH1FS-30M-30M	M30X2	M30X2
MH1FS-36M-36M	M36X2	M36X2
MH1FS-42M-42M	M42X2	M42X2
MH1FS-52M-52M	M52X2	M52X2

MH1M — Metric Heavy (S) Male X Metric Heavy (S) Male

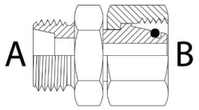


Part #	Metric M	Metric M
MH1M-14M-14M	M14X1.5	M14X1.5
MH1M-14M-16M	M14X1.5	M16X1.5
MH1M-14M-18M	M14X1.5	M18X1.5
MH1M-14M-20M	M14X1.5	M20X1.5
MH1M-16M-16M	M16X1.5	M16X1.5
MH1M-16M-18M	M16X1.5	M18X1.5
MH1M-16M-20M	M16X1.5	M20X1.5
MH1M-18M-18M	M18X1.5	M18X1.5
MH1M-18M-20M	M18X1.5	M20X1.5
MH1M-18M-22M	M18X1.5	M22X1.5
MH1M-18M-24M	M18X1.5	M24X1.5
MH1M-18M-30M	M18X1.5	M30X2
MH1M-20M-20M	M20X1.5	M20X1.5
MH1M-20M-22M	M20X1.5	M22X1.5
MH1M-20M-24M	M20X1.5	M24X1.5
MH1M-20M-30M	M20X1.5	M30X2
MH1M-22M-22M	M22X1.5	M22X1.5
MH1M-22M-24M	M22X1.5	M24X1.5
MH1M-24M-24M	M24X1.5	M24X1.5
MH1M-24M-30M	M24X1.5	M30X2
MH1M-24M-36M	M24X1.5	M36X2
MH1M-30M-30M	M30X2	M30X2
MH1M-30M-36M	M30X2	M36X2
MH1M-30M-42M	M30X2	M42X2
MH1M-36M-36M	M36X2	M36X2
MH1M-36M-42M	M36X2	M42X2
MH1M-42M-42M	M42X2	M42X2
MH1M-42M-52M	M42X2	M52X2
MH1M-52M-52M	M52X2	M52X2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

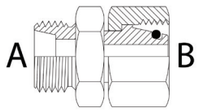
Adaptors

MH1MFS — Metric Heavy (S) Male X Metric Heavy (S) Female Swivel



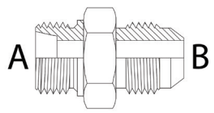
Part #	Metric M	Metric F
MH1MFS-14M-14M	M14X1.5	M14X1.5
MH1MFS-14M-16M	M14X1.5	M16X1.5
MH1MFS-14M-18M	M14X1.5	M18X1.5
MH1MFS-14M-20M	M14X1.5	M20X1.5
MH1MFS-14M-22M	M14X1.5	M22X1.5
MH1MFS-14M-24M	M14X1.5	M24X1.5
MH1MFS-14M-30M	M14X1.5	M30X2
MH1MFS-14M-36M	M14X1.5	M36X2
MH1MFS-14M-42M	M14X1.5	M42X2
MH1MFS-14M-52M	M14X1.5	M52X2
MH1MFS-16M-16M	M16X1.5	M16X1.5
MH1MFS-16M-18M	M16X1.5	M18X1.5
MH1MFS-16M-20M	M16X1.5	M20X1.5
MH1MFS-16M-22M	M16X1.5	M22X1.5
MH1MFS-16M-24M	M16X1.5	M24X1.5
MH1MFS-16M-30M	M16X1.5	M30X2
MH1MFS-16M-36M	M16X1.5	M36X2
MH1MFS-16M-42M	M16X1.5	M42X2
MH1MFS-16M-52M	M16X1.5	M52X2
MH1MFS-18M-18M	M18X1.5	M18X1.5
MH1MFS-18M-20M	M18X1.5	M20X1.5
MH1MFS-18M-22M	M18X1.5	M22X1.5
MH1MFS-18M-24M	M18X1.5	M24X1.5
MH1MFS-18M-30M	M18X1.5	M30X2
MH1MFS-18M-36M	M18X1.5	M36X2
MH1MFS-18M-42M	M18X1.5	M42X2
MH1MFS-18M-52M	M18X1.5	M52X2
MH1MFS-20M-20M	M20X1.5	M20X1.5
MH1MFS-20M-22M	M20X1.5	M22X1.5
MH1MFS-20M-24M	M20X1.5	M24X1.5
MH1MFS-20M-30M	M20X1.5	M30X2
MH1MFS-20M-36M	M20X1.5	M36X2
MH1MFS-20M-42M	M20X1.5	M42X2
MH1MFS-20M-52M	M20X1.5	M52X2
MH1MFS-22M-22M	M22X1.5	M22X1.5
MH1MFS-22M-24M	M22X1.5	M24X1.5
MH1MFS-22M-30M	M22X1.5	M30X2
MH1MFS-22M-36M	M22X1.5	M36X2
MH1MFS-22M-42M	M22X1.5	M42X2

MH1MFS cont... — Metric Heavy (S) Male Female Swivel



Part #	Metric F	Metric F
MH1MFS-22M-52M	M22X1.5	M52X2
MH1MFS-24M-24M	M24X1.5	M24X1.5
MH1MFS-24M-30M	M24X1.5	M30X2
MH1MFS-24M-36M	M24X1.5	M36X2
MH1MFS-24M-42M	M24X1.5	M42X2
MH1MFS-24M-52M	M24X1.5	M52X2
MH1MFS-30M-30M	M30X2	M30X2
MH1MFS-30M-36M	M30X2	M36X2
MH1MFS-30M-42M	M30X2	M42X2
MH1MFS-30M-52M	M30X2	M52X2
MH1MFS-36M-36M	M36X2	M36X2
MH1MFS-36M-42M	M36X2	M42X2
MH1MFS-36M-52M	M36X2	M52X2
MH1MFS-42M-42M	M42X2	M42X2
MH1MFS-42M-52M	M42X2	M52X2
MH1MFS-52M-52M	M52X2	M52X2

MHJ1M — Metric Heavy (S) Male X JIC Male

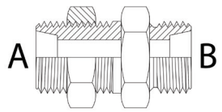


Part #	Metric M	JIC M
MHJ1M-14M-04	M14X1.5	7/16
MHJ1M-16M-04	M16X1.5	7/16
MHJ1M-16M-08	M16X1.5	3/4
MHJ1M-18M-06	M18X1.5	9/16
MHJ1M-18M-08	M18X1.5	3/4
MHJ1M-20M-06	M20X1.5	9/16
MHJ1M-20M-08	M20X1.5	3/4
MHJ1M-22M-06	M22X1.5	9/16
MHJ1M-22M-08	M22X1.5	3/4
MHJ1M-22M-10	M22X1.5	7/8
MHJ1M-24M-06	M24X1.5	9/16
MHJ1M-24M-08	M24X1.5	3/4
MHJ1M-24M-12	M24X1.5	1 1/16
MHJ1M-30M-08	M30X2	3/4
MHJ1M-30M-12	M30X2	1 1/16
MHJ1M-36M-12	M36X2	1 1/16
MHJ1M-36M-16	M36X2	1 5/16
MHJ1M-42M-16	M42X2	1 5/16
MHJ1M-42M-20	M42X2	1 5/8
MHJ1M-52M-24	M52X2	1 7/8

Adaptors

TRUFLOW HYDRAULIC HOSE AND FITTINGS

ML10M — Metric Light (L) Male X Metric Light (L) Male Bulkhead

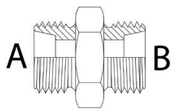


Part #	Metric F	Metric BH
ML10M-12M-12M	M12X1.5	M12X1.5
ML10M-14M-14M	M14X1.5	M14X1.5
ML10M-16M-16M	M16X1.5	M16X1.5
ML10M-18M-18M	M18X1.5	M18X1.5
ML10M-22M-22M	M22X1.5	M22X1.5
ML10M-26M-26M	M26X1.5	M26X1.5
ML10M-30M-30M	M30X2	M30X2
ML10M-36M-36M	M36X2	M36X2
ML10M-45M-45M	M45X2	M45X2
ML10M-52M-52M	M52X2	M52X2

ML1FS — Metric Light (L) Female Swivel X Metric Light (L) Female Swivel

Part #	Metric F	Metric F
ML1FS-12M-12M	M12X1.5	M12X1.5
ML1FS-14M-14M	M14X1.5	M14X1.5
ML1FS-14M-18M	M14X1.5	M18X1.5
ML1FS-18M-18M	M18X1.5	M18X1.5
ML1FS-22M-22M	M22X1.5	M22X1.5
ML1FS-22M-26M	M22X1.5	M26X1.5
ML1FS-26M-26M	M26X1.5	M26X1.5
ML1FS-26M-30M	M26X1.5	M30X2
ML1FS-26M-36M	M26X1.5	M36X2
ML1FS-30M-30M	M30X2	M30X2
ML1FS-36M-36M	M36X2	M36X2
ML1FS-45M-45M	M45X2	M45X2

ML1M — Metric Light (L) Male X Metric Light (L) Male

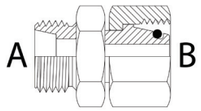


Part #	Metric M	Metric M
ML1M-12M-12M	M12X1.5	M12X1.5
ML1M-12M-14M	M12X1.5	M14X1.5
ML1M-12M-16M	M12X1.5	M16X1.5
ML1M-12M-18M	M12X1.5	M18X1.5
ML1M-14M-14M	M14X1.5	M14X1.5
ML1M-14M-16M	M14X1.5	M16X1.5
ML1M-14M-18M	M14X1.5	M18X1.5
ML1M-16M-16M	M16X1.5	M16X1.5
ML1M-16M-18M	M16X1.5	M18X1.5
ML1M-16M-22M	M16X1.5	M22X1.5
ML1M-16M-26M	M16X1.5	M26X1.5
ML1M-18M-18M	M18X1.5	M18X1.5
ML1M-18M-22M	M18X1.5	M22X1.5
ML1M-18M-26M	M18X1.5	M26X1.5
ML1M-22M-22M	M22X1.5	M22X1.5
ML1M-22M-26M	M22X1.5	M26X1.5
ML1M-22M-30M	M22X1.5	M30X2
ML1M-26M-26M	M26X1.5	M26X1.5
ML1M-26M-30M	M26X1.5	M30X2
ML1M-26M-36M	M26X1.5	M36X2
ML1M-30M-30M	M30X2	M30X2
ML1M-30M-36M	M30X2	M36X2
ML1M-36M-36M	M36X2	M36X2
ML1M-36M-45M	M36X2	M45X2
ML1M-36M-52M	M36X2	M52X2
ML1M-45M-45M	M45X2	M45X2
ML1M-52M-52M	M52X2	M52X2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

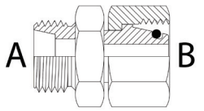
Adaptors

ML1MFS — Metric Light (L) Male X Metric Light (L) FemaleSwivel



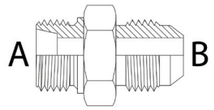
Part #	Metric M	Metric F
ML1MFS-12M-12M	M12X1.5	M12X1.5
ML1MFS-12M-14M	M12X1.5	M14X1.5
ML1MFS-12M-16M	M12X1.5	M16X1.5
ML1MFS-12M-18M	M12X1.5	M18X1.5
ML1MFS-12M-22M	M12X1.5	M22X1.5
ML1MFS-12M-26M	M12X1.5	M26X1.5
ML1MFS-12M-30M	M12X1.5	M30X2
ML1MFS-12M-36M	M12X1.5	M36X2
ML1MFS-12M-45M	M12X1.5	M45X2
ML1MFS-12M-52M	M12X1.5	M52X2
ML1MFS-14M-14M	M14X1.5	M14X1.5
ML1MFS-14M-16M	M14X1.5	M16X1.5
ML1MFS-14M-18M	M14X1.5	M18X1.5
ML1MFS-14M-22M	M14X1.5	M22X1.5
ML1MFS-14M-26M	M14X1.5	M26X1.5
ML1MFS-14M-30M	M14X1.5	M30X2
ML1MFS-14M-36M	M14X1.5	M36X2
ML1MFS-14M-45M	M14X1.5	M45X2
ML1MFS-14M-52M	M14X1.5	M52X2
ML1MFS-16M-16M	M16X1.5	M16X1.5
ML1MFS-16M-18M	M16X1.5	M18X1.5
ML1MFS-16M-22M	M16X1.5	M22X1.5
ML1MFS-16M-26M	M16X1.5	M26X1.5
ML1MFS-16M-30M	M16X1.5	M30X2
ML1MFS-16M-36M	M16X1.5	M36X2
ML1MFS-16M-45M	M16X1.5	M45X2
ML1MFS-16M-52M	M16X1.5	M52X2
ML1MFS-18M-18M	M18X1.5	M18X1.5
ML1MFS-18M-22M	M18X1.5	M22X1.5
ML1MFS-18M-26M	M18X1.5	M26X1.5
ML1MFS-18M-30M	M18X1.5	M30X2
ML1MFS-18M-36M	M18X1.5	M36X2
ML1MFS-18M-45M	M18X1.5	M45X2
ML1MFS-18M-52M	M18X1.5	M52X2
ML1MFS-22M-22M	M22X1.5	M22X1.5
ML1MFS-22M-26M	M22X1.5	M26X1.5
ML1MFS-22M-30M	M22X1.5	M30X2
ML1MFS-22M-36M	M22X1.5	M36X2
ML1MFS-22M-45M	M22X1.5	M45X2
ML1MFS-22M-52M	M22X1.5	M52X2

ML1MFS Cont... — Metric Light (L) MaleFemaleSwivel



Part #	Metric M	Metric F
ML1MFS-26M-26M	M26X1.5	M26X1.5
ML1MFS-26M-30M	M26X1.5	M30X2
ML1MFS-26M-36M	M26X1.5	M36X2
ML1MFS-26M-45M	M26X1.5	M45X2
ML1MFS-26M-52M	M26X1.5	M52X2
ML1MFS-30M-30M	M30X2	M30X2
ML1MFS-30M-36M	M30X2	M36X2
ML1MFS-30M-45M	M30X2	M45X2
ML1MFS-30M-52M	M30X2	M52X2
ML1MFS-36M-36M	M36X2	M36X2
ML1MFS-36M-45M	M36X2	M45X2
ML1MFS-36M-52M	M36X2	M52X2
ML1MFS-45M-45M	M45X2	M45X2
ML1MFS-45M-52M	M45X2	M52X2
ML1MFS-52M-52M	M52X2	M52X2

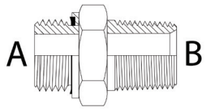
MLJ1M — Metric Light (L) Male X JIC Male



Part #	Metric M	JIC M
MLJ1M-14M-04	M14X1.5	7/16
MLJ1M-14M-06	M14X1.5	9/16
MLJ1M-14M-08	M14X1.5	3/4
MLJ1M-16M-04	M16X1.5	7/16
MLJ1M-16M-06	M16X1.5	9/16
MLJ1M-16M-08	M16X1.5	3/4
MLJ1M-18M-04	M18X1.5	7/16
MLJ1M-18M-06	M18X1.5	9/16
MLJ1M-18M-08	M18X1.5	3/4
MLJ1M-22M-06	M22X1.5	9/16
MLJ1M-22M-08	M22X1.5	3/4
MLJ1M-22M-10	M22X1.5	7/8
MLJ1M-26M-08	M26X1.5	3/4
MLJ1M-26M-12	M26X1.5	1 1/16
MLJ1M-30M-12	M30X2	1 1/16
MLJ1M-36M-16	M36X2	1 5/16
MLJ1M-45M-20	M45X2	1 5/8
MLJ1M-52M-24	M52X2	1 7/8

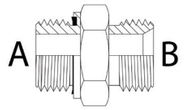
Adaptors

MSB1M — Metric Stud Male X BSPT Male



Part #	Metric M	BSPT M
MSB1M-10M-02	M10X1.0	1/8
MSB1M-14M-04	M14X1.5	1/4
MSB1M-16M-04	M16X1.5	1/4
MSB1M-16M-06	M16X1.5	3/8
MSB1M-18M-06	M18X1.5	3/8
MSB1M-18M-08	M18X1.5	1/2
MSB1M-22M-08	M22X1.5	1/2
MSB1M-27M-08	M27X2	1/2
MSB1M-27M-12	M27X2	3/4

MSBP1M — Metric Stud Male X BSPP Male



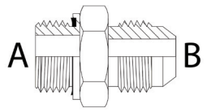
Part #	Metric M	BSPP M
MSBP1M-10M-04	M10X1.0	1/4
MSBP1M-12M-04	M12 1.5	1/4
MSBP1M-14M-04	M14X1.5	1/4
MSBP1M-14M-06	M14X1.5	3/8
MSBP1M-14M-08	M14X1.5	1/2
MSBP1M-16M-04	M16X1.5	1/4
MSBP1M-16M-06	M16X1.5	3/8
MSBP1M-16M-08	M16X1.5	1/2
MSBP1M-18M-04	M18X1.5	1/4
MSBP1M-18M-06	M18X1.5	3/8
MSBP1M-18M-08	M18X1.5	1/2
MSBP1M-20M-06	M20X1.5	3/8
MSBP1M-20M-08	M20X1.5	1/2
MSBP1M-22M-06	M22X1.5	3/8
MSBP1M-22M-08	M22X1.5	1/2
MSBP1M-22M-12	M22X1.5	3/4
MSBP1M-24M-08	M24X1.5	1/2
MSBP1M-26M-06	M26X1.5	3/8
MSBP1M-26M-08	M26X1.5	1/2
MSBP1M-26M-12	M26X1.5	3/4
MSBP1M-27M-08	M27X2	1/2
MSBP1M-27M-12	M27X2	3/4
MSBP1M-27M-16	M27X2	1
MSBP1M-30MX1.5-12	M30X1.5	3/4
MSBP1M-30X2.0M-12	M30X2	3/4
MSBP1M-33X1.5M-08	M33X1.5	1/2
MSBP1M-33X1.5M-12	M33X1.5	3/4
MSBP1M-33X2.0M-12	M33.2.0	3/4
MSBP1M-33X2.0M-16	M33X2	1
MSBP1M-42M-20	M42X2	1 1/4

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Adaptors

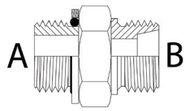
TRUFLOW HYDRAULIC HOSE AND FITTINGS

MSJ1M — Metric Stud Male X JIC Male



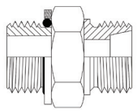
Part #	Metric M	JIC M
MSJ1M-06M-04	M6X1.0	7/16
MSJ1M-08M-04	M8X1.0	7/16
MSJ1M-10M-04	M10X1.0	7/16
MSJ1M-12M-04	M12X1.5	7/16
MSJ1M-12M-06	M12X1.5	9/16
MSJ1M-12M-08	M12X1.5	3/4
MSJ1M-14M-04	M14X1.5	7/16
MSJ1M-14M-06	M14X1.5	9/16
MSJ1M-14M-08	M14X1.5	3/4
MSJ1M-16M-04	M16X1.5	7/16
MSJ1M-16M-06	M16X1.5	9/16
MSJ1M-16M-08	M16X1.5	3/4
MSJ1M-16M-10	M16X1.5	7/8
MSJ1M-18M-06	M18X1.5	9/16
MSJ1M-18M-08	M18X1.5	3/4
MSJ1M-18M-10	M18X1.5	7/8
MSJ1M-18M-12	M18X1.5	1 1/16
MSJ1M-20M-06	M20X1.5	9/16
MSJ1M-20M-08	M20X1.5	3/4
MSJ1M-20M-10	M20X1.5	7/8
MSJ1M-20M-12	M20X1.5	1 1/16
MSJ1M-22M-06	M22X1.5	9/16
MSJ1M-22M-08	M22X1.5	3/4
MSJ1M-22M-10	M22X1.5	7/8
MSJ1M-22M-12	M22X1.5	1 1/16
MSJ1M-24M-12	M24X1.5	1 1/16
MSJ1M-26M-10	M26X1.5	7/8
MSJ1M-26M-12	M26X1.5	1 1/16
MSJ1M-26M-16	M26X1.5	1 5/16
MSJ1M-27M-12	M27X2	1 1/16
MSJ1M-27M-16	M27X2	1 5/16
MSJ1M-27X1.5M-12	M27X1.5	1 1/16
MSJ1M-28M-12	M28X1.5	1 1/16
MSJ1M-30M-12	M30X2	1 1/16
MSJ1M-30X1.5M-12	M30X1.5	1 1/16
MSJ1M-33M-12	M33X2	1 1/16
MSJ1M-33M-16	M33X2	1 5/16
MSJ1M-36M-12	M36X2	1 1/16
MSJ1M-42M-20	M42X2	1 5/8
MSJ1M-42M-24	M42X2	1 7/8
MSJ1M-48M-20	M48X2	1 5/8
MSJ1M-48M-24	M48X2	1 7/8

MSMH1M — Metric Stud Male X Metric Heavy (S) Male



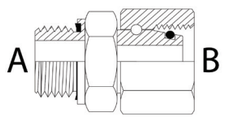
Part #	Metric M	Metric M
MSMH1M-16M-18M	M16X1.5	M18X1.5
MSMH1M-18M-20M	M18X1.5	M20X1.5
MSMH1M-22M-24M	M22X1.5	M24X1.5

MSML1M — Metric Stud Male X Metric Light (L) Male



Part #	Metric M	Metric M
MSML1M-12M-14M	M12X1.5	M14X1.5
MSML1M-14M-16M	M14X1.5	M16X1.5
MSML1M-16M-16M	M16X1.5	M16X1.5
MSML1M-16M-18M	M16X1.5	M18X1.5
MSML1M-16M-22M	M16X1.5	M22X1.5
MSML1M-18M-14M	M18X1.5	M14X1.5
MSML1M-18M-18M	M18X1.5	M18X1.5
MSML1M-22M-18M	M22X1.5	M18X1.5
MSML1M-42M-45M	M36X2	M45X2
MSML1M-48M-52M	M48X2	M52X2

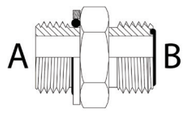
MSML1MFS — Metric Stud Male X Metric Light (L) Female Swivel



Part #	Metric M	Metric F
MSML1MFS-16M-18M	M16X1.5	M18X1.5
MSML1MFS-18M-22M	M18X1.5	M22X1.5
MSML1MFS-22M-18M	M22X1.5	M18X1.5

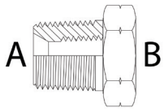
Adaptors

MSORS1M — Metric Stud Male X ORFS Male



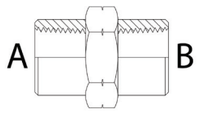
Part #	Metric M	ORFS M
MSORS1M-18M-06	M18X1.5	11/16
MSORS1M-22M-08	M22X1.5	13/16

N1B — NPT Male X NPT Female Red Bush



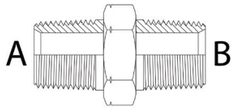
Part #	NPT M	NPT F
N1B-04-02	1/4	1/8
N1B-06-02	3/8	1/8
N1B-06-04	3/8	1/4
N1B-08-02	1/2	1/8
N1B-08-04	1/2	1/4
N1B-08-06	1/2	3/8
N1B-12-04	3/4	1/4
N1B-12-06	3/4	3/8
N1B-12-08	3/4	1/2
N1B-16-06	1	3/8
N1B-16-08	1	1/2
N1B-16-12	1	3/4
N1B-20-16	1 1/4	1
N1B-24-12	1 1/2	3/4
N1B-24-16	1 1/2	1
N1B-24-20	1 1/2	1 1/4
N1B-32-16	2	1
N1B-32-24	2	1 1/2

N1F — NPT Female X NPT Female



Part #	NPT F	NPT F
N1F-02-02	1/8	1/8
N1F-02-04	1/8	1/4
N1F-04-04	1/4	1/4
N1F-04-06	1/4	3/8
N1F-06-06	3/8	3/8
N1F-06-08	3/8	1/2
N1F-08-08	1/2	1/2
N1F-12-12	3/4	3/4
N1F-16-16	1	1
N1F-20-20	1 1/4	1 1/4
N1F-24-24	1 1/2	1 1/2
N1F-32-32	2	2

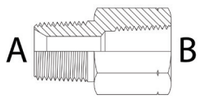
N1M — NPT Male X NPT Male



Part #	NPT M	NPT M
N1M-02-02	1/8	1/8
N1M-02-04	1/8	1/4
N1M-04-04	1/4	1/4
N1M-04-06	1/4	3/8
N1M-04-08	1/4	1/2
N1M-06-06	3/8	3/8
N1M-06-08	3/8	1/2
N1M-08-08	1/2	1/2
N1M-08-12	1/2	3/4
N1M-08-16	1/2	1
N1M-12-12	3/4	3/4
N1M-12-16	3/4	1
N1M-16-16	1	1
N1M-16-20	1	1 1/4
N1M-20-20	1 1/4	1 1/4
N1M-20-24	1 1/4	1 1/2
N1M-24-24	1 1/2	1 1/2
N1M-32-32	2	2

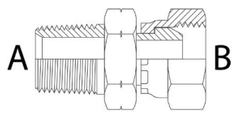
Adaptors

N1MF — NPT Male X NPT Female



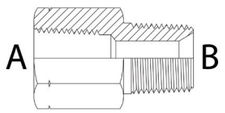
Part #	NPT M	NPT F
N1MF-02-02	1/8	1/8
N1MF-02-04	1/8	1/4
N1MF-02-06	1/8	3/8
N1MF-04-04	1/4	1/4
N1MF-04-08	1/4	1/2
N1MF-06-06	3/8	3/8
N1MF-06-08	3/8	1/2
N1MF-08-08	1/2	1/2
N1MF-08-12	1/2	3/4
N1MF-12-12	3/4	3/4
N1MF-16-16	1	1

N1MFS — NPT Male X NPSM Female Swivel



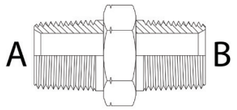
Part #	NPT M	NPSM F
N1MFS-02-02	1/8	1/8
N1MFS-04-04	1/4	1/4
N1MFS-04-06	1/4	3/8
N1MFS-06-06	3/8	3/8
N1MFS-08-08	1/2	1/2
N1MFS-12-12	3/4	3/4
N1MFS-16-16	1	1
N1MFS-20-20	1 1/4	1 1/4
N1MFS-24-24	1 1/2	1 1/2
N1MFS-32-32	2	2

NB1FM — NPT Female X BSPT Male



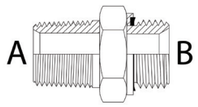
Part #	NPT F	BSPT M
NB1FM-02-02	1/8	1/8
NB1FM-04-04	1/4	1/4
NB1FM-06-06	3/8	3/8
NB1FM-08-08	1/2	1/2
NB1FM-12-12	3/4	3/4
NB1FM-16-16	1	1

NB1M — NPT Male X BSPT Male



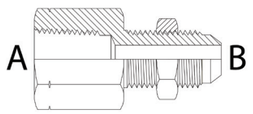
Part #	NPT M	BSPT M
NB1M-02-02	1/8	1/8
NB1M-04-04	1/4	1/4
NB1M-06-06	3/8	3/8
NB1M-08-08	1/2	1/2
NB1M-12-12	3/4	3/4
NB1M-16-16	1	1
NB1M-20-20	1 1/4	1 1/4
NB1M-24-24	1 1/2	1 1/2
NB1M-32-32	2	2

NBP1M — NPT Male X BSPP Male



Part #	NPT M	BSPP M
NBP1M-04-04	1/4	1/4
NBP1M-16-16	1	1
NBP1M-16-20	1	1 1/4
NBP1M-20-24	1 1/4	1 1/2

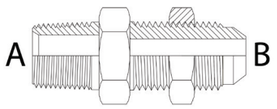
NJ10FM — NPT Female X JIC Male Bulkhead



Part #	NPT F	JIC BH
NJ10FM-02-04	1/8	7/16
NJ10FM-04-04	1/4	7/16
NJ10FM-04-06	1/4	9/16
NJ10FM-06-04	3/8	7/16
NJ10FM-06-06	3/8	9/16
NJ10FM-08-08	1/2	3/4
NJ10FM-08-10	1/2	7/8
NJ10FM-12-12	3/4	1 1/16

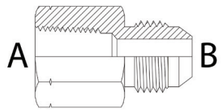
Adaptors

NJ10M — NPT Male X JIC Male Bulkhead



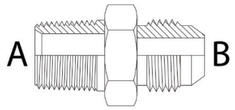
Part #	NPT M	JIC BH
NJ10M-04-04	1/4	7/16
NJ10M-06-06	3/8	9/16
NJ10M-08-08	1/2	3/4
NJ10M-08-10	1/2	7/8
NJ10M-12-12	3/4	1 1/16
NJ10M-16-16	1	1 5/16

NJ1FM — NPT Female X JIC Male



Part #	NPT F	JIC M
NJ1FM-02-04	1/8	7/16
NJ1FM-04-04	1/4	7/16
NJ1FM-04-06	1/4	9/16
NJ1FM-06-06	3/8	9/16
NJ1FM-06-08	3/8	3/4
NJ1FM-08-08	1/2	3/4
NJ1FM-08-12	1/2	1 1/16
NJ1FM-12-12	3/4	1 1/16
NJ1FM-16-16	1	1 5/16
NJ1FM-20-20	1 1/4	1 5/8
NJ1FM-24-24	1 1/2	1 7/8
NJ1FM-32-32	2	2 1/2

NJ1M — NPT Male X JIC Male

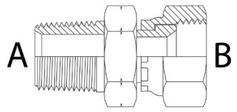


Part #	NPT M	JIC M
NJ1M-01-04	1/16	7/16
NJ1L65M-02-04*	1/8	7/16
NJ1L46M-02-04*	1/8	7/16
NJ1M-02-04	1/8	7/16
NJ1M-02-06	1/8	9/16
NJ1L57M-04-04*	1/4	7/16
NJ1M-04-04	1/4	7/16
NJ1M-04-06	1/4	9/16
NJ1M-04-08	1/4	3/4
NJ1M-06-04	3/8	7/16
NJ1M-06-05	3/8	1/2
NJ1M-06-06	3/8	9/16
NJ1M-06-08	3/8	3/4
NJ1M-06-10	3/8	7/8
NJ1M-08-04	1/2	7/16
NJ1M-08-06	1/2	9/16
NJ1M-08-08	1/2	3/4
NJ1M-08-10	1/2	7/8
NJ1M-08-12	1/2	1 1/16
NJ1M-12-06	3/4	9/16
NJ1M-12-08	3/4	3/4
NJ1M-12-10	3/4	7/8
NJ1M-12-12	3/4	1 1/16
NJ1M-12-16	3/4	1 5/16
NJ1M-16-08	1	3/4
NJ1M-16-10	1	7/8
NJ1M-16-12	1	1 1/16
NJ1M-16-16	1	1 5/16
NJ1M-16-20	1	1 5/8
NJ1M-20-16	1 1/4	1 5/16
NJ1M-20-20	1 1/4	1 5/8
NJ1M-20-24	1 1/4	1 7/8
NJ1M-24-16	1 1/2	1 5/16
NJ1M-24-20	1 1/2	1 5/8
NJ1M-24-24	1 1/2	1 7/8
NJ1M-24-32	1 1/2	2 1/2
NJ1M-32-24	2	1 7/8
NJ1M-32-32	2	2 1/2

Long L = Length eg; L46 = 46mm long

Adaptors

NJ1MFS — NPT Male X JIC Female Swivel

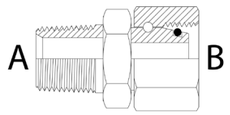


Part #	NPT M	JIC F
NJ1MFS-02-04	1/8	7/16
NJ1MFS-04-04	1/4	7/16
NJ1MFS-04-06	1/4	9/16
NJ1MFS-06-06	3/8	9/16
NJ1MFS-06-08	3/8	3/4
NJ1MFS-08-08	1/2	3/4
NJ1MFS-08-10	1/2	7/8
NJ1MFS-12-12	3/4	1 1/16
NJ1MFS-16-16	1	1 5/16
NJ1MFS-20-20	1 1/4	1 5/8
NJ1MFS-24-24	1 1/2	1 7/8
NJ1MFS-32-32	2	2 1/2

NMH1M — NPT Male X Metric Heavy (S) Male

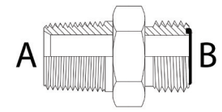
Part #	NPT M	Metric M
NMH1M-06-18M	3/8	M18X1.5
NMH1M-06-20M	3/8	M20X1.5
NMH1M-08-22M	1/2	M22X1.5

NMH1MFS — NPT Male X Metric Heavy (S) Female Swivel



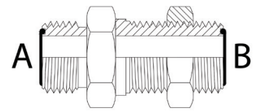
Part #	NPT M	Metric M
NMH1MFS-06-18M	3/8	M18X1.5

NORS1M — NPT Male X ORFSMale



Part #	NPT M	ORFSM
NORS1M-02-04	1/8	9/16
NORS1M-04-04	1/4	9/16
NORS1M-04-06	1/4	11/16
NORS1M-06-06	3/8	11/16
NORS1M-06-08	3/8	13/16
NORS1M-08-04	1/2	9/16
NORS1M-08-08	1/2	13/16
NORS1M-08-10	1/2	1
NORS1M-12-08	3/4	13/16
NORS1M-12-12	3/4	1 3/16
NORS1M-16-16	1	1 7/16

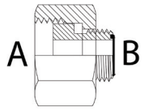
ORS10M — ORFS Male X ORFS Male Bulkhead



Part #	ORFS M	ORFS BH
ORS10M-04-04	9/16	9/16
ORS10M-06-06	11/16	11/16
ORS10M-08-08	13/16	13/16
ORS10M-10-10	1	1
ORS10M-12-12	1 3/16	1 3/16
ORS10M-16-16	1 7/16	1 7/16
ORS10M-20-20	1 11/16	1 11/16
ORS10M-24-24	2	2

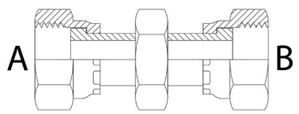
Adaptors

ORS1FM — ORFS Female X ORFS Male



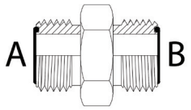
Part #	ORFS F	ORFS M
ORS1FM-04-06	9/16	11/16
ORS1FM-06-04	11/16	9/16
ORS1FM-06-08	11/16	13/16
ORS1FM-08-04	13/16	9/16
ORS1FM-08-06	13/16	11/16
ORS1FM-08-12	13/16	1 3/16
ORS1FM-10-08	1	13/16
ORS1FM-12-04	1 3/16	9/16
ORS1FM-12-06	1 3/16	11/16
ORS1FM-12-08	1 3/16	13/16
ORS1FM-12-10	1 3/16	1
ORS1FM-16-08	1 7/16	13/16
ORS1FM-16-10	1 7/16	1
ORS1FM-16-12	1 7/16	1 3/16
ORS1FM-20-12	1 11/16	1 3/16
ORS1FM-20-16	1 11/16	1 7/16
ORS1FM-24-20	2	1 11/16

ORS1FS — ORFS Female Swivel X ORFS Female Swivel



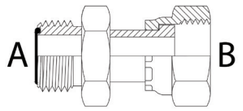
Part #	ORFS F	ORFS F
ORS1FS-04-04	9/16	9/16
ORS1FS-06-06	11/16	11/16
ORS1FS-08-08	13/16	13/16
ORS1FS-10-10	1	1
ORS1FS-12-12	1 3/16	1 3/16
ORS1FS-16-16	1 7/16	1 7/16

ORS1M — ORFS Male X ORFS Male



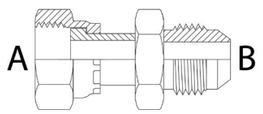
Part #	ORFS M	ORFS M
ORS1M-04-04	9/16	9/16
ORS1M-04-06	9/16	11/16
ORS1M-06-06	11/16	11/16
ORS1M-06-08	11/16	13/16
ORS1M-08-08	13/16	13/16
ORS1M-08-10	13/16	1
ORS1M-08-12	13/16	1 3/16
ORS1M-10-10	1	1
ORS1M-10-12	1	1 3/16
ORS1M-12-12	1 3/16	1 3/16
ORS1M-12-16	1 3/16	1 7/16
ORS1M-16-16	1 7/16	1 7/16
ORS1M-16-20	1 7/16	1 11/16
ORS1M-20-20	1 11/16	1 11/16
ORS1M-24-24	2	2

ORS1MFS — ORFS Male X ORFS Female Swivel



Part #	ORFS M	ORFS F
ORS1MFS-04-04	9/16	9/16
ORS1MFS-06-06	11/16	11/16
ORS1MFS-08-08	13/16	13/16
ORS1MFS-08-12	13/16	1 3/16
ORS1MFS-10-10	1	1
ORS1MFS-12-12	1 3/16	1 3/16
ORS1MFS-16-16	1 7/16	1 7/16

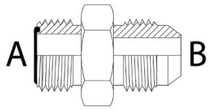
ORSJ1FSM — ORFS Female Swivel X JIC Male



Part #	ORFS F	JIC M
ORSJ1FSM-04-04	9/16	7/16
ORSJ1FSM-06-06	11/16	9/16
ORSJ1FSM-08-08	13/16	3/4
ORSJ1FSM-08-10	13/16	7/8
ORSJ1FSM-10-10	1	7/8
ORSJ1FSM-12-12	1 3/16	1 1/16
ORSJ1FSM-16-16	1 7/16	1 5/16
ORSJ1FSM-20-20	1 11/16	1 5/8

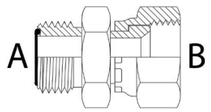
Adaptors

ORSJ1M — ORFS Male X JIC Male



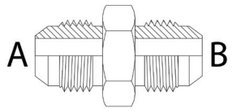
Part #	ORFS M	JIC M
ORSJ1M-04-04	9/16	7/16
ORSJ1M-06-06	11/16	9/16
ORSJ1M-08-08	13/16	3/4
ORSJ1M-08-10	13/16	7/8
ORSJ1M-10-10	1	7/8
ORSJ1M-12-12	1 3/16	1 1/16
ORSJ1M-16-16	1 7/16	1 5/16
ORSJ1M-20-20	1 11/16	1 5/8

ORSJ1MFS — ORFS Male X JIC Female Swivel



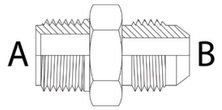
Part #	ORFS M	JIC F
ORSJ1MFS-04-04	9/16	7/16
ORSJ1MFS-06-06	11/16	9/16
ORSJ1MFS-08-08	13/16	3/4
ORSJ1MFS-08-10	13/16	7/8
ORSJ1MFS-10-10	1	7/8
ORSJ1MFS-12-12	1 3/16	1 1/16
ORSJ1MFS-16-16	1 7/16	1 5/16
ORSJ1MFS-20-20	1 11/16	1 5/8

S1M — SAE Male X SAE Male



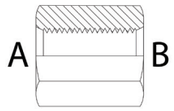
Part #	SAE M	SAE M
S1M-06-06	5/8	5/8

SINVJ1M — SAE Inverted Flare Male X JIC Male



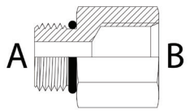
Part #	SAE M	JIC M
SINVJ1M-04-04	7/16-24	7/16-20
SINVJ1M-05-06	1/2-20	9/16-18
SINVJ1M-06-06	5/8-18	9/16-18

U1F — UNO Female X UNO Female



Part #	UNO F	UNO F
U1F-04-04	7/16	7/16
U1F-06-06	9/16	9/16
U1F-08-08	3/4	3/4
U1F-10-10	7/8	7/8
U1F-12-12	1 1/16	1 1/16
U1F-16-16	1 5/16	1 5/16

U1MF — UNO Male X UNO Female

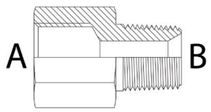


Part #	UNO M	UNO F
U1MF-06-04	9/16	7/16
U1MF-06-08	9/16	3/4
U1MF-08-06	3/4	9/16
U1MF-10-08	7/8	3/4
U1MF-12-08	1 1/16	3/4
U1MF-16-10	1 5/16	7/8
U1MF-16-12	1 5/16	1 1/16
U1MF-20-16	1 5/8	1 5/16
U1MF-24-08	1 7/8	3/4

Adaptors

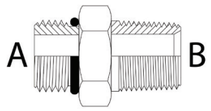
TRUFLOW HYDRAULIC HOSE AND FITTINGS

UB1FM — UNO Female X BSPT Male



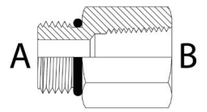
Part #	UNO F	BSPT M
UB1FM-08-08	3/4	1/2
UB1FM-10-04	7/8	1/4
UB1FM-10-08	7/8	1/2

UB1M — UNO Male X BSPT Male



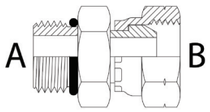
Part #	UNO M	BSPT M
UB1M-04-04	7/16	1/4
UB1M-05-04	1/2	1/4
UB1M-06-04	9/16	1/4
UB1M-06-06	9/16	3/8
UB1M-06-08	9/16	1/2
UB1M-06-12	9/16	3/4
UB1M-08-04	3/4	1/4
UB1M-08-06	3/4	3/8
UB1M-08-08	3/4	1/2
UB1M-08-12	3/4	3/4
UB1M-10-04	7/8	1/4
UB1M-10-06	7/8	3/8
UB1M-10-08	7/8	1/2
UB1M-10-12	7/8	3/4
UB1M-12-06	1 1/16	3/8
UB1M-12-08	1 1/16	1/2
UB1M-12-10	1 1/16	5/8
UB1M-12-12	1 1/16	3/4
UB1M-12-16	1 1/16	1
UB1M-16-12	1 5/16	3/4
UB1M-16-16	1 5/16	1
UB1M-16-20	1 5/16	1 1/4
UB1M-20-16	1 5/8	1
UB1M-20-20	1 5/8	1 1/4
UB1M-24-20	1 7/8	1 1/4
UB1M-24-24	1 7/8	1 1/2

UB1MF — UNO Male X BSPT Female



Part #	UNO M	BSPT F
UB1MF-06-04	9/16	1/4
UB1MF-08-04	3/8	1/4
UB1MF-08-08	3/4	1/2
UB1MF-10-08	7/8	1/2
UB1MF-20-16	1 5/8	1

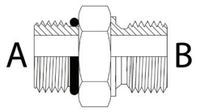
UB1MFS — UNO Male X BSPP Female Swivel



Part #	UNO M	BSPP F
UB1MFS-04-04	7/16	1/4
UB1MFS-06-04	9/16	1/4
UB1MFS-06-06	9/16	3/8
UB1MFS-08-06	3/4	3/8
UB1MFS-08-08	3/4	1/2
UB1MFS-10-06	7/8	3/8
UB1MFS-10-08	7/8	1/2
UB1MFS-12-12	1 1/16	3/4
UB1MFS-12-16	1 1/16	1
UB1MFS-16-16	1 5/16	1

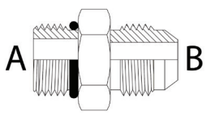
Adaptors
TRUFLOW HYDRAULIC HOSE AND FITTINGS

UBP1M — UNO Male X BSPP Male



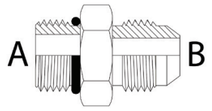
Part #	UNO M	BSPP M
UBP1M-04-04	7/16	1/4
UBP1M-05-04	1/2	1/4
UBP1M-06-04	9/16	1/4
UBP1M-06-08	9/16	1/2
UBP1M-08-06	3/4	3/8
UBP1M-08-08	3/4	1/2
UBP1M-10-06	7/8	3/8
UBP1M-10-12	7/8	3/4
UBP1M-12-08	1 1/16	1/2
UBP1M-12-12	1 1/16	3/4
UBP1M-12-16	1 1/16	1
UBP1M-16-12	1 5/16	3/4
UBP1M-16-16	1 5/16	1
UBP1M-20-16	1 5/8	1
UBP1M-20-20	1 5/8	1 1/4

UJ1M — UNO Male X JIC Male



Part #	UNO M	JIC M
UJ1M-04-04	7/16	7/16
UJ1L53M-04-04*	7/16	7/16
UJ1M-04-06	7/16	9/16
UJ1M-04-08	7/16	3/4
UJ1M-05-04	1/2	7/16
UJ1M-05-05	1/2	1/2
UJ1M-05-06	1/2	9/16
UJ1M-06-04	9/16	7/16
UJ1M-06-05	9/16	1/2
UJ1L59M-06-06*	9/16	9/16
UJ1M-06-06	9/16	9/16
UJ1M-06-08	9/16	3/4
UJ1M-06-10	9/16	7/8
UJ1M-08-04	3/4	7/16
UJ1M-08-06	3/4	9/16
UJ1L69M-08-08*	3/4	3/4
UJ1M-08-08	3/4	3/4
UJ1M-08-10	3/4	7/8
UJ1M-08-12	3/4	1 1/16
UJ1M-10-04	7/8	7/16
UJ1M-10-06	7/8	9/16
UJ1M-10-08	7/8	3/4

UJ1M cont... — UNO Male X JIC Male



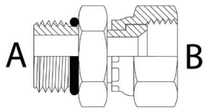
Part #	UNO M	JIC M
UJ1M-10-10	7/8	7/8
UJ1L77M-10-10*	7/8	7/8
UJ1M-10-12	7/8	1 1/16
UJ1M-10-16	7/8	1 5/16
UJ1M-12-06	1 1/16	9/16
UJ1M-12-08	1 1/16	3/4
UJ1M-12-10	1 1/16	7/8
UJ1L92M-12-12*	1 1/16	1 1/16
UJ1M-12-12	1 1/16	1 1/16
UJ1M-12-16	1 1/16	1 5/16
UJ1M-14-06	1 3/16	9/16
UJ1M-14-12	1 3/16	1 1/16
UJ1M-16-08	1 5/16	3/4
UJ1M-16-10	1 5/16	7/8
UJ1M-16-12	1 5/16	1 1/16
UJ1M-16-16	1 5/16	1 5/16
UJ1L101M-16-16*	1 5/16	1 5/16
UJ1M-16-20	1 5/16	1 5/8
UJ1M-20-12	1 5/8	1 1/16
UJ1M-20-16	1 5/8	1 5/16
UJ1M-20-20	1 5/8	1 5/8
UJ1M-20-24	1 5/8	1 7/8
UJ1M-24-12	1 7/8	1 1/16
UJ1M-24-16	1 7/8	1 5/16
UJ1M-24-20	1 7/8	1 5/8
UJ1M-24-24	1 7/8	1 7/8
UJ1M-32-32	2 1/2	2 1/2

*Long L=Length eg L46 = 46mm Long

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

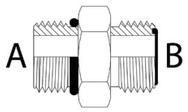
Adaptors

UJ1MFS — UNO Male X JIC Female Swivel



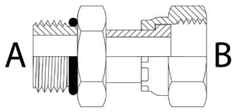
Part #	UNO M	JIC F
UJ1MFS-04-04	7/16	7/16
UJ1MFS-05-05	1/2	1/2
UJ1MFS-06-06	9/16	9/16
UJ1MFS-06-08	9/16	3/4
UJ1MFS-08-06	3/4	9/16
UJ1MFS-08-08	3/4	3/4
UJ1MFS-08-10	3/4	7/8
UJ1MFS-10-10	7/8	7/8
UJ1MFS-12-12	1 1/16	1 1/16
UJ1MFS-16-16	1 5/16	1 5/16
UJ1MFS-20-20	1 5/8	1 5/8
UJ1MFS-24-24	1 7/8	1 7/8

UORS1M — UNO Male X ORFS Male



Part #	UNO M	ORFS M
UORS1M-04-04	7/16	9/16
UORS1M-04-06	7/16	11/16
UORS1M-04-08	7/16	13/16
UORS1M-06-04	9/16	9/16
UORS1M-06-06	9/16	11/16
UORS1M-06-08	9/16	13/16
UORS1M-08-04	3/4	9/16
UORS1M-08-06	3/4	11/16
UORS1M-08-08	3/4	13/16
UORS1M-08-10	3/4	1
UORS1M-08-12	3/4	1 3/16
UORS1M-10-06	7/8	11/16
UORS1M-10-08	7/8	13/16
UORS1M-10-10	7/8	1
UORS1M-10-12	7/8	1 3/16
UORS1M-12-08	1 1/16	13/16
UORS1M-12-10	1 1/16	1
UORS1M-12-12	1 1/16	1 3/16
UORS1M-12-16	1 1/16	1 7/16
UORS1M-16-12	1 5/16	1 3/16
UORS1M-16-16	1 5/16	1 7/16
UORS1M-16-20	1 5/16	1 11/16
UORS1M-20-16	1 5/8	1 7/16
UORS1M-20-20	1 5/8	1 11/16
UORS1M-20-24	1 5/8	2
UORS1M-24-20	1 7/8	1 11/16
UORS1M-24-24	1 7/8	2

UORS1MFS — UNO Male X ORFS Female Swivel



Part #	UNO M	ORFS F
UORS1MFS-04-04	9/16	9/16
UORS1MFS-06-06	11/16	11/16
UORS1MFS-08-08	13/16	13/16
UORS1MFS-10-10	1	1
UORS1MFS-12-12	1 1/16	1 3/16
UORS1MFS-16-16	1 5/16	1 7/16

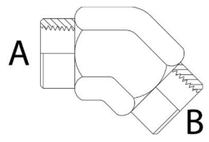
UPU1M — UNO Male X UNO Positional Male

Part #	UNO M	UNO M
UPU1M-06-06	9/16	9/16
UPU1M-08-08	3/4	3/4

Adaptors
TRUFLOW HYDRAULIC HOSE AND FITTINGS

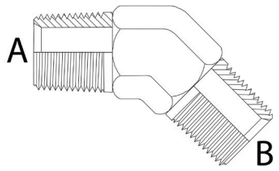
45° Adaptors

B4F — BSPT Female X BSPT Female 45°



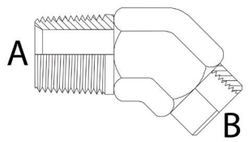
Part #	BSPT F	BSPT F
B4F-02-02	1/8	1/8
B4F-04-04	1/4	1/4
B4F-06-06	3/8	3/8
B4F-08-08	1/2	1/2
B4F-12-12	3/4	3/4
B4F-16-16	1	1

B4M — BSPT Male X BSPT Male 45°



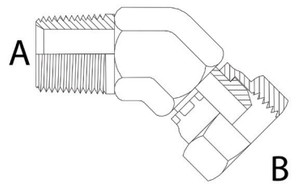
Part #	BSPT M	BSPT M
B4M-02-02	1/8	1/8
B4M-02-04	1/8	1/4
B4M-04-04	1/4	1/4
B4M-04-06	1/4	3/8
B4M-06-06	3/8	3/8
B4M-08-08	1/2	1/2
B4M-08-12	1/2	3/4
B4M-12-12	3/4	3/4
B4M-12-16	3/4	1
B4M-16-16	1	1
B4M-20-20	1 1/4	1 1/4
B4M-24-24	1 1/2	1 1/2
B4M-32-32	2	2

B4MF — BSPT Male X BSPT Female 45°



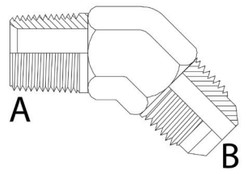
Part #	BSPT M	BSPT F
B4MF-02-02	1/8	1/8
B4MF-04-02	1/4	1/8
B4MF-04-04	1/4	1/4
B4MF-06-06	3/8	3/8
B4MF-08-08	1/2	1/2
B4MF-12-12	3/4	3/4
B4MF-16-16	1	1

B4MFS — BSPT Male X BSPP Female Swivel 45°



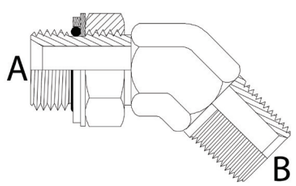
Part #	BSPT M	BSPP F
B4MFS-02-02	1/8	1/8
B4MFS-04-04	1/4	1/4
B4MFS-06-06	3/8	3/8
B4MFS-08-08	1/2	1/2
B4MFS-12-12	3/4	3/4
B4MFS-16-16	1	1
B4MFS-20-20	1 1/4	1 1/4
B4MFS-24-24	1 1/2	1 1/2

BJ4M — BSPT Male X JIC Male 45°



Part #	BSPT M	JIC M
BJ4M-02-04	1/8	7/16
BJ4M-02-06	1/8	9/16
BJ4M-04-04	1/4	7/16
BJ4M-04-06	1/4	9/16
BJ4M-06-04	3/8	7/16
BJ4M-06-06	3/8	9/16
BJ4M-06-08	3/8	3/4
BJ4M-08-06	1/2	9/16
BJ4M-08-08	1/2	3/4
BJ4M-08-10	1/2	7/8
BJ4M-12-08	3/4	3/4
BJ4M-12-12	3/4	1 1/16
BJ4M-16-16	1	1 5/16
BJ4M-20-20	1 1/4	1 5/8
BJ4M-24-24	1 1/2	1 7/8
BJ4M-32-32	2	2 1/2

BPB4M — BSPP Male X BSPT Male 45°

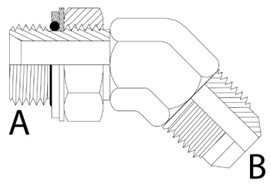


Part #	BSPP M	BSPT M
BPB4M-08-08	1/2	1/2
BPB4M-12-12	3/4	3/4
BPB4M-16-16	1	1

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

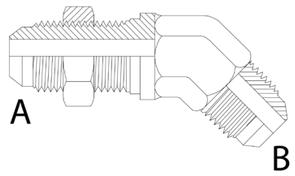
Adaptors

BPJ4M — BSPP Male X JIC Male 45°



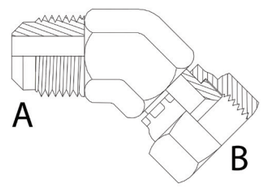
Part #	BSPP M	JIC M
BPJ4M-04-04	1/4	7/16
BPJ4M-04-06	1/4	9/16
BPJ4M-06-04	3/8	7/16
BPJ4M-06-06	3/8	9/16
BPJ4M-06-08	3/8	3/4
BPJ4M-08-06	1/2	9/16
BPJ4M-08-08	1/2	3/4
BPJ4M-08-10	1/2	7/8
BPJ4M-12-08	3/4	3/4
BPJ4M-12-12	3/4	1 1/16
BPJ4M-16-16	1	1 5/16
BPJ4M-20-20	1 1/4	1 5/8
BPJ4M-24-24	1 1/2	1 7/8

J40M — JIC Male X JIC Male Bulkhead 45°



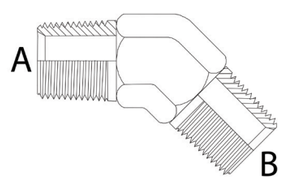
Part #	JIC M	JIC F
J4MFS-04-04	7/16	7/16
J4MFS-05-05	1/2	1/2
J4MFS-06-06	9/16	9/16
J4MFS-08-08	3/4	3/4
J4MFS-10-10	7/8	7/8
J4MFS-12-12	1 1/16	1 1/16
J4MFS-16-16	1 5/16	1 5/16
J4MFS-20-20	1 5/8	1 5/8
J4MFS-24-24	1 7/8	1 7/8
J4MFS-32-32	2 1/2	2 1/2

J4MFS — JIC Male X JIC Female Swivel 45°



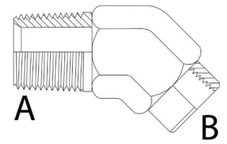
Part #	JIC M	JIC F
J4MFS-04-04	7/16	7/16
J4MFS-05-05	1/2	1/2
J4MFS-06-06	9/16	9/16
J4MFS-08-08	3/4	3/4
J4MFS-10-10	7/8	7/8
J4MFS-12-12	1 1/16	1 1/16
J4MFS-16-16	1 5/16	1 5/16
J4MFS-20-20	1 5/8	1 5/8
J4MFS-24-24	1 7/8	1 7/8
J4MFS-32-32	2 1/2	2 1/2

N4M — NPT Male 45°



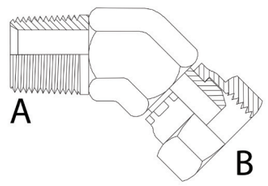
Part #	NPT M	NPT M
N4M-04-04	1/4	1/4

N4MF — NPT Male X NPT Female 45°



Part #	NPT M	NPT F
N4MF-02-02	1/8	1/8
N4MF-04-04	1/4	1/4
N4MF-06-06	3/8	3/8
N4MF-08-08	1/2	1/2
N4MF-12-12	3/4	3/4
N4MF-16-16	1	1
N4MF-20-20	1 1/4	1 1/4
N4MF-24-24	1 1/2	1 1/2

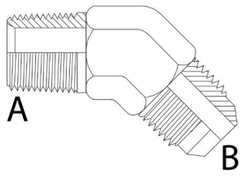
N4MFS — NPT Male X NPSM Female Swivel 45°



Part #	NPT M	NPSM F
N4MFS-02-02	1/8	1/8
N4MFS-04-04	1/4	1/4
N4MFS-06-06	3/8	3/8
N4MFS-08-08	1/2	1/2
N4MFS-12-12	3/4	3/4
N4MFS-16-16	1	1

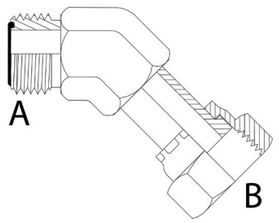
Adaptors

NJ4M — NPT Male X JIC Male 45°



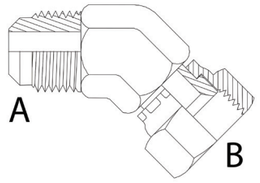
Part #	NPT M	JIC M
NJ4M-02-04	1/8	7/16
NJ4M-02-05	1/8	1/2
NJ4M-02-06	1/8	9/16
NJ4M-04-04	1/4	7/16
NJ4M-04-06	1/4	9/16
NJ4M-04-08	1/4	3/4
NJ4M-06-04	3/8	7/16
NJ4M-06-06	3/8	9/16
NJ4M-06-08	3/8	3/4
NJ4M-06-10	3/8	7/8
NJ4M-08-06	1/2	9/16
NJ4M-08-08	1/2	3/4
NJ4M-08-10	1/2	7/8
NJ4M-08-12	1/2	1 1/16
NJ4M-12-08	3/4	3/4
NJ4M-12-10	3/4	7/8
NJ4M-12-12	3/4	1 1/16
NJ4M-12-16	3/4	1 5/16
NJ4M-16-12	1	1 1/16
NJ4M-16-16	1	1 5/16
NJ4M-16-20	1	1 5/8
NJ4M-20-16	1 1/4	1 5/16
NJ4M-20-20	1 1/4	1 5/8
NJ4M-24-24	1 1/2	1 7/8
NJ4M-32-32	2	2 1/2

ORS4MFS — ORFS Male X ORFS Female Sw 45°



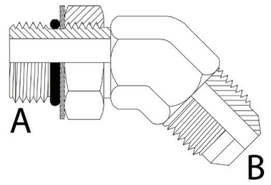
Part #	ORFS M	ORFS F
ORS4MFS-04-04	9/16	9/16
ORS4MFS-06-06	11/16	11/16
ORS4MFS-08-08	13/16	13/16
ORS4MFS-10-10	1	1
ORS4MFS-12-12	1 3/16	1 3/16
ORS4MFS-16-16	1 7/16	1 7/16
ORS4MFS-20-20	1 11/16	1 11/16

S4MFS — SAE Male X SAE Female Swivel 45°



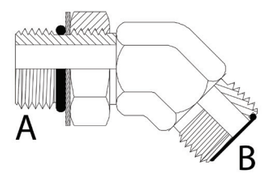
Part #	SAE M	SAE F
S4MFS-06-06	5/8	5/8

UJ4M — UNO Male X JIC Male 45°



Part #	UNO M	JIC M
UJ4M-04-04	7/16	7/16
UJ4M-06-06	9/16	9/16
UJ4M-06-08	9/16	3/4
UJ4M-08-06	3/4	9/16
UJ4M-08-08	3/4	3/4
UJ4M-08-10	3/4	7/8
UJ4M-08-12	3/4	1 1/16
UJ4M-10-08	7/8	3/4
UJ4M-10-10	7/8	7/8
UJ4M-10-12	7/8	1 1/16
UJ4M-12-08	1 1/16	3/4
UJ4M-12-10	1 1/16	7/8
UJ4M-12-12	1 1/16	1 1/16
UJ4M-12-16	1 1/16	1 5/16
UJ4M-16-16	1 5/16	1 5/16
UJ4M-20-20	1 5/8	1 5/8
UJ4M-24-24	1 7/8	1 7/8

UORS4M — UNO Male X ORFS Male 45°

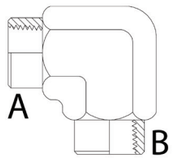


Part #	UNO M	ORFS
UORS4M-04-04	7/16	9/16
UORS4M-06-06	9/16	11/16
UORS4M-08-06	3/4	11/16
UORS4M-08-08	3/4	13/16
UORS4M-08-10	3/4	1
UORS4M-10-08	7/8	13/16
UORS4M-10-10	7/8	1
UORS4M-12-12	1 1/16	1 3/16
UORS4M-16-16	1 5/16	1 7/16

Adaptors

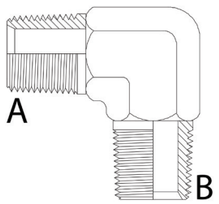
90° Adaptors

B9F — BSPT Female X BSPT Female 90°



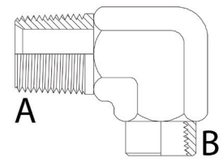
Part #	BSPT F	BSPT F
B9F-02-02	1/8	1/8
B9F-04-04	1/4	1/4
B9F-06-06	3/8	3/8
B9F-06-08	3/8	1/2
B9F-08-08	1/2	1/2
B9F-12-12	3/4	3/4
B9F-16-16	1	1
B9F-20-20	1 1/4	1 1/4
B9F-24-24	1 1/2	1 1/2
B9F-32-32	2	2

B9M — BSPT Male X BSPT Male 90°



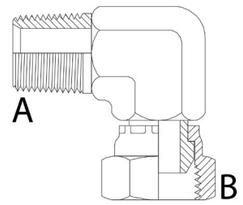
Part #	BSPT M	BSPT M
B9M-02-02	1/8	1/8
B9M-02-04	1/8	1/4
B9M-04-04	1/4	1/4
B9M-04-06	1/4	3/8
B9M-04-08	1/4	1/2
B9M-06-06	3/8	3/8
B9M-06-08	3/8	1/2
B9M-08-08	1/2	1/2
B9M-08-12	1/2	3/4
B9M-08-16	1/2	1
B9M-12-12	3/4	3/4
B9M-12-16	3/4	1
B9M-12-20	3/4	1 1/4
B9M-16-16	1	1
B9M-16-20	1	1 1/4
B9M-20-20	1 1/4	1 1/4
B9M-20-24	1 1/4	1 1/2
B9M-24-24	1 1/2	1 1/2
B9M-32-32	2	2

B9MF — BSPT Male X BSPTFemale 90°



Part #	BSPT M	BSPT F
B9MF-02-02	1/8	1/8
B9MF-04-04	1/4	1/4
B9MF-06-06	3/8	3/8
B9MF-06-08	3/8	1/2
B9MF-08-08	1/2	1/2
B9MF-08-12	1/2	3/4
B9MF-12-12	3/4	3/4
B9MF-16-16	1	1
B9MF-20-20	1 1/4	1 1/4
B9MF-24-24	1 1/2	1 1/2
B9MF-32-32	2	2

B9MFS — BSPT Male X BSPP Female Swivel 90°

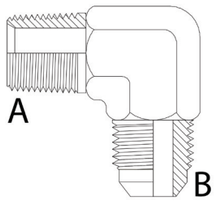


Part #	BSPT M	BSPP F
B9MFS-02-02	1/8	1/8
B9MFS-04-04	1/4	1/4
B9MFS-06-06	3/8	3/8
B9MFS-06-08	3/8	1/2
B9MFS-08-06	1/2	3/8
B9MFS-08-08	1/2	1/2
B9MFS-12-08	3/4	1/2
B9MFS-12-12	3/4	3/4
B9MFS-12-16	3/4	1
B9MFS-16-16	1	1
B9MFS-20-20	1 1/4	1 1/4
B9MFS-24-24	1 1/2	1 1/2
B9MFS-32-32	2	2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Adaptors

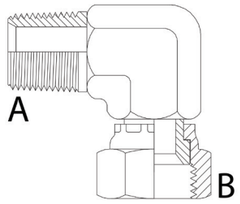
BJ9M — BSPT Male X JIC Male 90°



Part #	BSPT M	JIC M
BJ9L40M-02-04*	1/8	7/16
BJ9L30M-02-04*	1/8	7/16
BJ9M-02-04	1/8	7/16
BJ9L58M-02-04*	1/8	7/16
BJ9L50M-02-04*	1/8	7/16
BJ9M-02-05	1/8	1/2
BJ9M-02-06	1/8	9/16
BJ9M-04-04	1/4	7/16
BJ9M-04-06	1/4	9/16
BJ9M-04-08	1/4	3/4
BJ9M-06-04	3/8	7/16
BJ9M-06-06	3/8	9/16
BJ9M-06-08	3/8	3/4
BJ9M-06-10	3/8	7/8
BJ9M-08-04	1/2	7/16
BJ9M-08-06	1/2	9/16
BJ9M-08-08	1/2	3/4
BJ9M-08-10	1/2	7/8
BJ9M-08-12	1/2	1 1/16
BJ9M-12-06	3/4	9/16
BJ9M-12-08	3/4	3/4
BJ9M-12-10	3/4	7/8
BJ9M-12-12	3/4	1 1/16
BJ9M-12-16	3/4	1 5/16
BJ9M-16-12	1	1 1/16
BJ9M-16-16	1	1 5/16
BJ9M-16-20	1	1 5/8
BJ9M-20-16	1 1/4	1 5/16
BJ9M-20-20	1 1/4	1 5/8
BJ9M-24-20	1 1/2	1 5/8
BJ9M-24-24	1 1/2	1 7/8
BJ9M-32-32	2	2 1/2

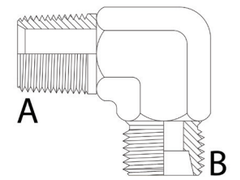
* L = Long drop. eg L40 = 40mm drop.

BJ9MFS — BSPT Male X JIC Female Swivel 90°



Part #	BSPT M	JIC F
BJ9MFS-02-04	1/8	7/16
BJ9MFS-04-04	1/4	7/16
BJ9MFS-04-06	1/4	9/16
BJ9MFS-06-06	3/8	9/16
BJ9MFS-06-08	3/8	3/4
BJ9MFS-08-08	1/2	3/4
BJ9MFS-12-12	3/4	1 1/16
BJ9MFS-12-16	3/4	1 5/16
BJ9MFS-16-16	1	1 5/16

BMH9M — BSPT Male X Metric Heavy (S) Male 90°

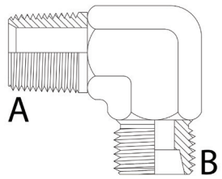


Part #	BSPT M	JIC F
BMH9M-04-14M	1/4	M14X1.5
BMH9M-04-16M	1/4	M16XX1.5
BMH9M-06-18M	3/8	M18XX1.5
BMH9M-06-20M	3/8	M20X1.5
BMH9M-06-22M	3/8	M22X1.5
BMH9M-06-24M	3/8	M24X1.5
BMH9M-08-20M	1/2	M20X1.5
BMH9M-08-22M	1/2	M22X1.5
BMH9M-08-24M	1/2	M24X1.5
BMH9M-08-30M	1/2	M30X2
BMH9M-12-30M	3/4	M30X2
BMH9M-12-36M	3/4	M36X2
BMH9M-16-36M	1	M36X2
BMH9M-16-42M	1	M42X2
BMH9M-20-42M	1 1/4	M42X2
BMH9M-24-52M	1 1/2	M52X2

Adaptors

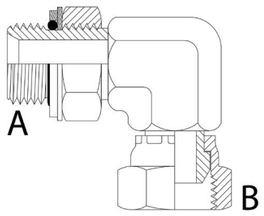
TRUFLOW HYDRAULIC HOSE AND FITTINGS

BML9M — BSPT Male X Metric Light (L) Male 90°



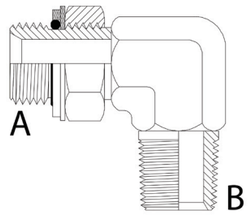
Part #	BSPT M	JIC F
BML9M-02-12M	1/8	M12X1.5
BML9M-02-14M	1/8	M14X1.5
BML9M-04-12M	1/4	M12X1.5
BML9M-04-14M	1/4	M14X1.5
BML9M-04-16M	1/4	M16X1.5
BML9M-04-18M	1/4	M18X1.5
BML9M-06-16M	3/8	M16X1.5
BML9M-06-18M	3/8	M18X1.5
BML9M-06-22M	3/8	M22X1.5
BML9M-08-16M	1/2	M16X1.5
BML9M-08-18M	1/2	M18X1.5
BML9M-08-22M	1/2	M22X1.5
BML9M-08-26M	1/2	M26X1.5
BML9M-12-26M	3/4	M26X1.5
BML9M-12-30M	3/4	M30X2
BML9M-16-36M	1	M36X2
BML9M-20-45M	1 1/4	M45X2
BML9M-24-52M	1 1/2	M52X2

BP9MFS — BSPP Male X BSPP Female Swivel 90°



Part #	BSPP M	BSPP F
BP9MFS-04-04	1/4	1/4
BP9MFS-06-06	3/8	3/8
BP9MFS-08-08	1/2	1/2
BP9MFS-12-12	3/4	3/4
BP9MFS-16-16	1	1
BP9MFS-20-20	1 1/4	1 1/4

BPB9M — BSPP Male X BSPT Male 90°

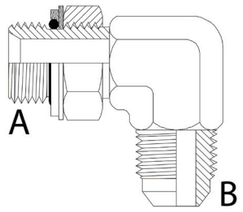


Part #	BSPP M	BSPT M
BPB9M-02-02	1/8	1/8
BPB9M-04-04	1/4	1/4
BPB9M-06-04	3/8	1/4
BPB9M-06-06	3/8	3/8
BPB9M-06-08	3/8	1/2
BPB9M-08-06	1/2	3/8
BPB9M-08-08	1/2	1/2
BPB9M-08-12	1/2	3/4
BPB9M-12-08	3/4	1/2
BPB9M-12-12	3/4	3/4
BPB9M-12-16	3/4	1
BPB9M-16-12	1	3/4
BPB9M-16-16	1	1
BPB9M-20-16	1 1/4	1
BPB9M-20-20	1 1/4	1 1/4
BPB9M-24-24	1 1/2	1 1/2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

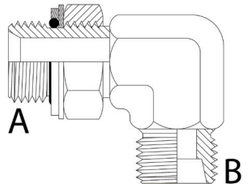
Adaptors

BPJ9M — BSPP Male X JIC Male 90°



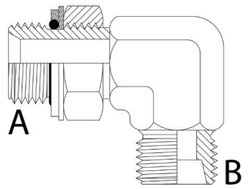
Part #	BSPP M	JIC M
BPJ9M-02-04	1/8	7/16
BPJ9M-02-06	1/8	9/16
BPJ9M-04-04	1/4	7/16
BPJ9M-04-05	1/4	1/2
BPJ9M-04-06	1/4	9/16
BPJ9M-04-08	1/4	3/4
BPJ9M-06-04	3/8	7/16
BPJ9M-06-06	3/8	9/16
BPJ9M-06-08	3/8	3/4
BPJ9M-06-10	3/8	7/8
BPJ9M-08-04	1/2	7/16
BPJ9M-08-06	1/2	9/16
BPJ9M-08-08	1/2	3/4
BPJ9M-08-10	1/2	7/8
BPJ9M-08-12	1/2	1 1/16
BPJ9M-12-06	3/4	9/16
BPJ9M-12-08	3/4	3/4
BPJ9M-12-10	3/4	7/8
BPJ9M-12-12	3/4	1 1/16
BPJ9M-12-16	3/4	1 5/16
BPJ9M-16-12	1	1 1/16
BPJ9M-16-16	1	1 5/16
BPJ9M-16-20	1	1 5/8
BPJ9M-16-24	1	1 7/8
BPJ9M-20-16	1 1/4	1 5/16
BPJ9M-20-20	1 1/4	1 5/8
BPJ9M-20-24	1 1/4	1 7/8
BPJ9M-24-16	1 1/2	1 5/16
BPJ9M-24-20	1 1/2	1 5/8
BPJ9M-24-24	1 1/2	1 7/8

BPMH9M — BSPP Male X Metric Heavy (S) Male 90°



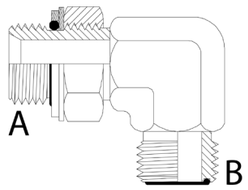
Part #	BSPP M	Metric M
BPMH9M-04-14M	1/4	M14X1.5
BPMH9M-04-16M	1/4	M16X1.5
BPMH9M-06-18M	3/8	M18X1.5
BPMH9M-06-20M	3/8	M20X1.5
BPMH9M-08-22M	1/2	M22X1.5
BPMH9M-08-24M	1/2	M24X1.5
BPMH9M-12-30M	3/4	M30X2
BPMH9M-16-36M	1	M36X2
BPMH9M-20-42M	1 1/4	M42X2
BPMH9M-24-52M	1 1/2	M52X2

BPML9M — BSPP Male X Metric Light (L) Male 90°



Part #	BSPP M	Metric M
BPML9M-04-14M	1/4	M14X1.5
BPML9M-06-18M	3/8	M18X1.5
BPML9M-08-18M	1/2	M18X1.5
BPML9M-08-22M	1/2	M22X1.5
BPML9M-08-26M	1/2	M26X1.5
BPML9M-12-26M	3/4	M26X1.5
BPML9M-12-30M	3/4	M30X2
BPML9M-16-36M	1	M36X2
BPML9M-20-45M	1 1/4	M45X2

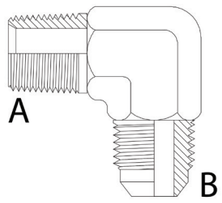
BPORS9M — BSPP Male X ORFS Male 90°



Part #	BSPP M	ORFS M
BPORS9M-02-04	1/8	9/16
BPORS9M-04-04	1/4	9/16
BPORS9M-04-06	1/4	11/16
BPORS9M-06-04	3/8	9/16
BPORS9M-06-06	3/8	11/16
BPORS9M-06-08	3/8	13/16
BPORS9M-08-08	1/2	13/16
BPORS9M-08-10	1/2	1
BPORS9M-12-12	3/4	1 3/16
BPORS9M-16-16	1	1 7/16

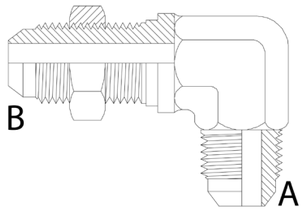
Adaptors

BS9M — BSPT Male X SAE Male 90°



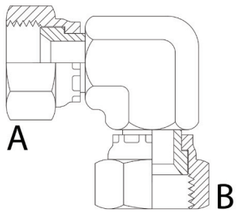
Part #	BSPT M	SAE M
BS9M-06-06	3/8	5/8

J90M — JIC Male X JIC Male Bulkhead 90°



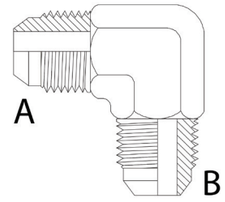
Part #	JIC	JIC BH
J90M-04-04	7/16	7/16
J90M-05-05	1/2	1/2
J90M-06-06	9/16	9/16
J90M-08-08	3/4	3/4
J90M-10-10	7/8	7/8
J90M-12-12	1 1/16	1 1/16
J90M-16-16	1 5/16	1 5/16
J90M-20-20	1 5/8	1 5/8
J90M-24-24	1 7/8	1 7/8

J9FS — JIC Female Swivel X JIC Female Swivel 90°



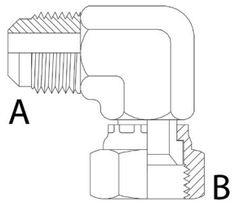
Part #	JIC F	JIC F
J9FS-04-04	7/16	7/16
J9FS-06-06	9/16	9/16
J9FS-08-08	3/4	3/4
J9FS-10-10	7/8	7/8
J9FS-12-12	1 1/16	1 1/16
J9FS-16-16	1 5/16	1 5/16
J9FS-20-20	1 5/8	1 5/8

J9M — JIC Male X JIC Male 90°



Part #	JIC M	JIC M
J9M-04-04	7/16	7/16
J9M-04-06	7/16	9/16
J9M-06-06	9/16	9/16
J9M-06-08	9/16	3/4
J9M-08-08	3/4	3/4
J9M-08-10	3/4	7/8
J9M-08-12	3/4	1 1/16
J9M-10-10	7/8	7/8
J9M-10-12	7/8	1 1/16
J9M-12-12	1 1/16	1 1/16
J9M-12-16	1 1/16	1 5/16
J9M-16-16	1 5/16	1 5/16
J9M-20-20	1 5/8	1 5/8
J9M-24-24	1 7/8	1 7/8
J9M-32-32	2 1/2	2 1/2

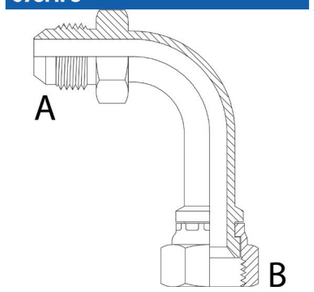
J9MFS — JIC Male X JIC Female Swivel 90°



Part #	JIC M	JIC F
J9MFS-03-03	3/8	3/8
J9MFS-04-04	7/16	7/16
J9MFS-04-06	7/16	9/16
J9MFS-05-05	1/2	1/2
J9MFS-06-04	9/16	7/16
J9MFS-06-06	9/16	9/16
J9MFS-06-08	9/16	3/4
J9MFS-08-06	3/4	9/16
J9MFS-08-08	3/4	3/4
J9MFS-08-10	3/4	7/8/
J9MFS-08-12	3/4	1 1/16
J9MFS-10-08	7/8	3/4
J9MFS-10-10	7/8	7/8
J9MFS-10-12	7/8	1 1/16
J9MFS-12-08	1 1/16	3/4
J9MFS-12-10	1 1/16	7/8
J9MFS-12-12	1 1/16	1 1/16
J9MFS-12-16	1 1/16	1 5/16
J9MFS-16-16	1 5/16	1 5/16
J9MFS-16-20	1 5/16	1 5/8
J9MFS-20-20	1 5/8	1 5/8
J9MFS-24-24	1 7/8	1 7/8
J9MFS-32-32	2 1/2	2 1/2

Adaptors

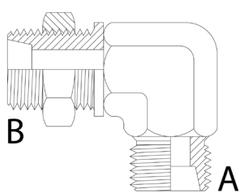
J9SMFS — JIC Male X JIC Female Swivel 90° Swept (Short and Long Drop)



Part #	JIC M	JIC F
J9SMFS-04-04	7/16	7/16
J9SLMFS-04-04	7/16	7/16
J9SLMFS-06-06	9/16	9/16
J9SMFS-06-06	9/16	9/16
J9SMFS-08-08	3/4	3/4
J9SLMFS-08-08	3/4	3/4
J9SMFS-10-10	7/8	7/8
J9SLMFS-10-10	7/8	7/8
J9SMFS-12-12	1 1/16	1 1/16
J9SLMFS-12-12	1 1/16	1 1/16
J9SMFS-16-16	1 5/16	1 5/16
J9SLMFS-16-16	1 5/16	1 5/16
J9SLMFS-20-20	1 5/8	1 5/8
J9SMFS-20-20	1 5/8	1 5/8
J9SMFS-24-24	1 7/8	1 7/8
J9SMFS-32-32	2 1/2	2 1/2

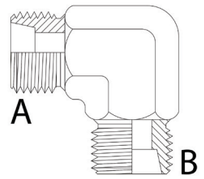
*L = Long Drop

MH90M — Metric Heavy(S) 90° Male Bulkhead



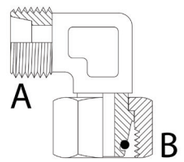
Part #	Metric M	Metric BH
MH90M-14M-14M	M14X1.5	M14X1.5
MH90M-16M-16M	M16X1.5	M16X1.5
MH90M-18M-18M	M18X1.5	M18X1.5
MH90M-20M-20M	M20X1.5	M20X1.5
MH90M-22M-22M	M22X1.5	M22X1.5
MH90M-24M-24M	M24X1.5	M24X1.5
MH90M-30M-30M	M30X2	M30X2
MH90M-36M-36M	M36X2	M36X2
MH90M-42M-42M	M42X2	M42X2
MH90M-52M-52M	M52X2	M52X2

MH9M — Metric Heavy (S) Male X Metric Heavy (S) Male 90°



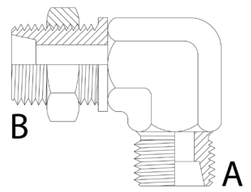
Part #	Metric M	Metric M
MH9M-14M-14M	M14X1.5	M14X1.5
MH9M-16M-16M	M16X1.5	M16X1.5
MH9M-18M-18M	M18X1.5	M18X1.5
MH9M-20M-20M	M20X1.5	M20X1.5
MH9M-22M-22M	M22X1.5	M22X1.5
MH9M-24M-24M	M24X1.5	M24X1.5
MH9M-30M-30M	M30X2	M30X2
MH9M-36M-36M	M36X2	M36X2
MH9M-42M-42M	M42X2	M42X2
MH9M-52M-52M	M52X2	M52X2

MH9MFS — Metric Heavy(S) Male X Metric Heavy(S) Female Swivel 90°



Part #	Metric M	Metric F
MH9MFS-14M-14M	M14X1.5	M14X1.5
MH9MFS-16M-16M	M16X1.5	M16X1.5
MH9MFS-18M-18M	M18X1.5	M18X1.5
MH9MFS-20M-20M	M20X1.5	M20X1.5
MH9MFS-22M-22M	M22X1.5	M22X1.5
MH9MFS-24M-24M	M24X1.5	M24X1.5
MH9MFS-30M-30M	M30X2	M30X2
MH9MFS-36M-36M	M36X2	M36X2
MH9MFS-42M-42M	M42X2	M42X2
MH9MFS-52M-52M	M52X2	M52X2

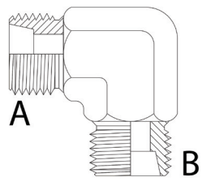
ML90M — Metric Heavy(S) Male Bulkhead X Metric Heavy(S) Male 90°



Part #	Metric M	Metric BH
ML90M-12M-12M	M12X1.5	M12X1.5
ML90M-14M-14M	M14X1.5	M14X1.5
ML90M-16M-16M	M16X1.5	M16X1.5
ML90M-18M-18M	M18X1.5	M18X1.5
ML90M-22M-22M	M22X1.5	M22X1.5
ML90M-26M-26M	M26X1.5	M26X1.5
ML90M-30M-30M	M30X2	M30X2
ML90M-36M-36M	M36X2	M36X2
ML90M-45M-45M	M45X2	M45X2
ML90M-52M-52M	M52X2	M52X2

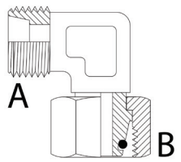
Adaptors

ML9M — Metric Light (L) Male Bulkhead X Metric Light (L) Male 90°



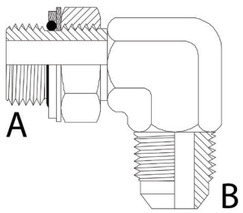
Part #	Metric M	Metric M
ML9M-12M-12M	M12X1.5	M12X1.5
ML9M-14M-14M	M14X1.5	M14X1.5
ML9M-16M-16M	M16X1.5	M16X1.5
ML9M-18M-18M	M18X1.5	M18X1.5
ML9M-22M-22M	M22X1.5	M22X1.5
ML9M-26M-26M	M26X1.5	M26X1.5
ML9M-30M-30M	M30X2	M30X2
ML9M-36M-36M	M36X2	M36X2
ML9M-45M-45M	M45X2	M45X2
ML9M-52M-52M	M52X2	M52X2

ML9MFS — Metric Light (L) Male X Metric Light (L) Female Swivel 90°



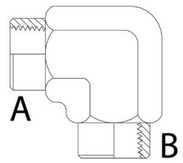
Part #	Metric M	Metric F
ML9MFS-12M-12M	M12X1.5	M12X1.5
ML9MFS-14M-14M	M14X1.5	M14X1.5
ML9MFS-16M-16M	M16X1.5	M16X1.5
ML9MFS-18M-18M	M18X1.5	M18X1.5
ML9MFS-22M-22M	M22X1.5	M22X1.5
ML9MFS-26M-26M	M26X1.5	M26X1.5
ML9MFS-30M-30M	M30X2	M30X2
ML9MFS-36M-36M	M36X2	M36X2
ML9MFS-45M-45M	M45X2	M45X2
ML9MFS-52M-52M	M52X2	M52X2

MSJ9M — Metric Stud X JIC Male 90°



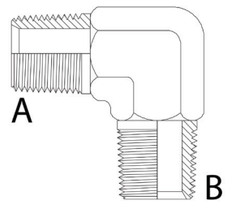
Part #	Metric M	JIC M
MSJ9M-12M-04	M12X1.5	7/16
MSJ9M-12M-08	M12X1.5	3/4
MSJ9M-14M-06	M14X1.5	9/16
MSJ9M-16M-06	M16X1.5	9/16
MSJ9M-18M-06	M18X1.5	9/16
MSJ9M-18M-08	M18X1.5	3/4
MSJ9M-22M-10	M22X1.5	7/8
MSJ9M-27M-12	M27X2	1 1/16

N9F — NPT Female X NPT Female 90°



Part #	NPT F	NPT F
N9F-2-02	1/8	1/8
N9F-04-04	1/4	1/4
N9F-06-06	3/8	3/8
N9F-08-08	1/2	1/2
N9F-12-12	3/4	3/4
N9F-16-16	1	1
N9F-20-20	1 1/4	1 1/4
N9F-24-24	1 1/2	1 1/2
N9F-32-32	2	2

N9M — NPT Male 90°

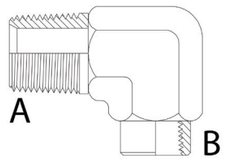


Part #	NPT M	NPT M
N9M-02-02	1/8	1/8
N9M-02-04	1/8	1/4
N9M-04-04	1/4	1/4
N9M-04-06	1/4	3/8
N9M-06-06	3/8	3/8
N9M-06-08	3/8	1/2
N9M-08-08	1/2	1/2
N9M-08-12	1/2	3/4
N9M-08-16	1/2	1
N9M-12-12	3/4	3/4
N9M-12-16	3/4	1
N9M-16-16	1	1
N9M-20-20	1 1/4	1 1/4
N9M-24-24	1 1/2	1 1/2
N9M-32-32	2	2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

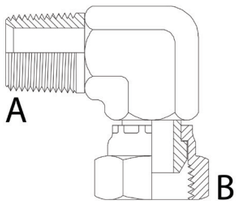
Adaptors

N9MF — NPT Male X NPT Female 90°



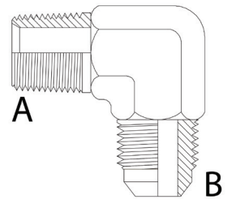
Part #	NPT M	NPT F
N9MF-02-02	1/8	1/8
N9MF-04-04	1/4	1/4
N9MF-06-06	3/8	3/8
N9MF-08-08	1/2	1/2
N9MF-08-12	1/2	3/4
N9MF-12-08	3/4	1/2
N9MF-12-12	3/4	3/4
N9MF-16-16	1	1
N9MF-20-20	1 1/4	1 1/4
N9MF-24-24	1 1/2	1 1/2
N9MF-32-32	2	2

N9MFS — NPT Male X NPSM Female Swivel 90°



Part #	NPT M	NPSM F
N9MFS-02-02	1/8	1/8
N9MFS-04-04	1/4	1/4
N9MFS-06-06	3/8	3/8
N9MFS-08-08	1/2	1/2
N9MFS-12-12	3/4	3/4
N9MFS-16-16	1	1
N9MFS-20-20	1 1/4	1 1/4
N9MFS-24-24	1 1/2	1 1/2
N9MFS-32-32	2	2

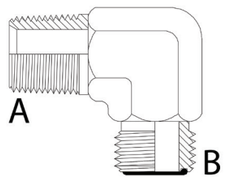
NJ9M — NPT Male X JIC Male 90°



Part #	NPT M	JIC M
NJ9L30M-02-04*	1/8	7/16
NJ9L40M-02-04*	1/8	7/16
NJ9L58M-02-04*	1/8	7/16
NJ9M-02-04	1/8	7/16
NJ9M-02-06	1/8	9/16
NJ9L40M-04-04*	1/4	7/16
NJ9M-04-04	1/4	7/16
NJ9M-04-05	1/4	1/2
NJ9M-04-06	1/4	9/16
NJ9M-04-08	1/4	3/4
NJ9M-06-04	3/8	7/16
NJ9M-06-06	3/8	9/16
NJ9M-06-08	3/8	3/4
NJ9M-08-06	1/2	9/16
NJ9M-08-08	1/2	3/4
NJ9M-08-10	1/2	7/8
NJ9M-08-12	1/2	1 1/16
NJ9M-12-08	3/4	3/4
NJ9M-12-10	3/4	7/8
NJ9M-12-12	3/4	1 1/16
NJ9M-12-16	3/4	1 5/16
NJ9M-16-12	1	1 1/16
NJ9M-16-16	1	1 5/16
NJ9M-16-20	1	1 5/8
NJ9M-20-12	1 1/4	1 1/16
NJ9M-20-16	1 1/4	1 5/16
NJ9M-20-20	1 1/4	1 5/8
NJ9M-24-24	1 1/2	1 7/8
NJ9M-24-32	1 1/2	2 1/2
NJ9M-32-24	2	1 7/8
NJ9M-32-32	2	2 1/2

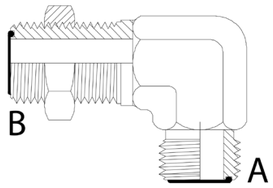
Adaptors

NORS9M — NPT Male X ORFS Male 90°



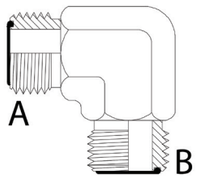
Part #	NPT M	ORFS M
NORS9M-02-04	1/8	9/16
NORS9M-04-04	1/4	9/16
NORS9M-04-06	1/4	11/16
NORS9M-08-08	1/2	13/16
NORS9M-08-10	1/2	1
NORS9M-12-12	3/4	1 3/16
NORS9M-16-16	1	1 7/16

ORS90M — ORFS Male X ORFS Male Bulkhead 90°



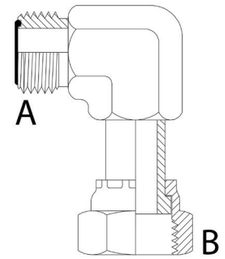
Part #	ORFS M	ORFS BH
ORS90M-04-04	9/16	9/16
ORS90M-06-06	11/16	11/16
ORS90M-08-08	13/16	13/16
ORS90M-10-10	1	1
ORS90M-12-12	1 3/16	1 3/16
ORS90M-16-16	1 7/16	1 7/16

ORS9M — ORFS Male X ORFS Male 90°



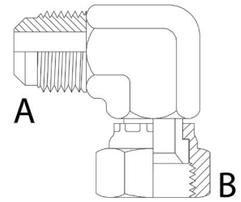
Part #	ORFS M	ORFS M
ORS9M-04-04	9/16	9/16
ORS9M-06-06	11/16	11/16
ORS9M-08-08	13/16	13/16
ORS9M-10-10	1	1
ORS9M-12-12	1 3/16	1 3/16
ORS9M-16-16	1 7/16	1 7/16
ORS9M-20-20	1 11/16	1 11/16

ORS9MFS — ORFS Male X ORFS Female Swivel 90°



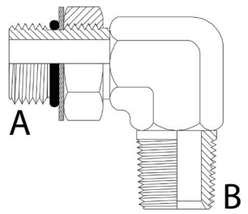
Part #	ORFS M	ORFS F
ORS9MFS-04-04	9/16	9/16
ORS9MFS-06-06	11/16	11/16
ORS9MFS-08-08	13/16	13/16
ORS9MFS-10-10	1	1
ORS9MFS-12-12	1 3/16	1 3/16
ORS9MFS-16-16	1 7/16	1 7/16
ORS9MFS-20-20	1 11/16	1 11/16
ORS9MFS-24-24	2	2

S9MFS — SAE Male X SAE Female Swivel 90°



Part #	SAE M	SAE F
S9MFS-06-06	5/8	5/8
S9MFS-12-12	3/4	3/4

UB9M — UNO Male X BSPT Male 90°

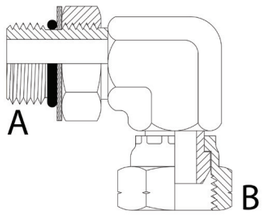


Part #	UNO M	BSPT M
UB9M-04-04	7/16	1/4
UB9M-06-04	9/16	1/4
UB9M-06-06	9/16	3/8
UB9M-08-04	3/4	1/4
UB9M-08-06	3/4	3/8
UB9M-08-08	3/4	1/2
UB9M-10-06	7/8	3/8
UB9M-10-08	7/8	1/2
UB9M-10-12	7/8	3/4
UB9M-12-08	1 1/16	1/2
UB9M-12-10	1 1/16	5/8
UB9M-12-12	1 1/16	3/4
UB9M-12-16	1 1/16	1
UB9M-16-12	1 5/16	3/4
UB9M-16-16	1 5/16	1

Adaptors

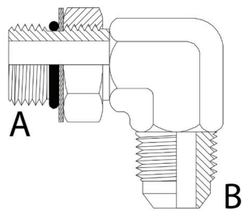
TRUFLOW HYDRAULIC HOSE AND FITTINGS

UB9MFS — UNO Male X BSPP Female Swivel 90°



Part #	UNO M	BSPP F
UB9MFS-04-04	7/16	1/4
UB9MFS-06-04	9/16	1/4
UB9MFS-06-06	9/16	3/8
UB9MFS-08-06	3/4	3/8
UB9MFS-08-08	3/4	1/2
UB9MFS-10-08	7/8	1/2
UB9MFS-12-12	1 1/16	3/4
UB9MFS-16-16	1 5/16	1

UJ9M — UNO Male X JIC Male 90°

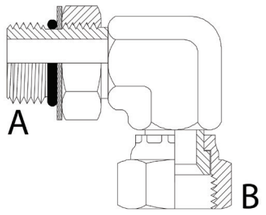


Part #	UNO M	JIC M
UJ9M-04-04	7/16	7/16
UJ9M-04-06	7/16	9/16
UJ9M-04-08	7/16	3/4
UJ9M-05-05	1/2	1/2
UJ9M-05-06	1/2	9/16
UJ9M-06-04	9/16	7/16
UJ9M-06-05	9/16	1/2
UJ9M-06-06	9/16	9/16
UJ9M-06-08	9/16	3/4
UJ9M-06-10	9/16	7/8
UJ9M-06-12	9/16	1 1/16
UJ9M-08-04	3/4	7/16
UJ9M-08-06	3/4	9/16
UJ9L48M-08-06*	3/4	9/16
UJ9L60M-08-06*	3/4	9/16
UJ9M-08-08	3/4	3/4
UJ9L63M-08-08*	3/4	3/4
UJ9M-08-10	3/4	7/8
UJ9M-08-12	3/4	1 1/16
UJ9M-08-16	3/4	1 5/16
UJ9M-10-06	7/8	9/16
UJ9M-10-08	7/8	3/4
UJ9M-10-10	7/8	7/8
UJ9M-10-12	7/8	1 1/16
UJ9M-12-08	1 1/16	3/4
UJ9M-12-10	1 1/16	7/8
UJ9M-12-12	1 1/16	1 1/16
UJ9M-12-16	1 1/16	1 5/16
UJ9M-16-08	1 5/16	3/4
UJ9M-16-10	1 5/16	7/8
UJ9M-16-12	1 5/16	1 1/16
UJ9M-16-16	1 5/16	1 5/16
UJ9M-20-16	1 5/8	1 5/16
UJ9M-20-20	1 5/8	1 5/8
UJ9M-20-24	1 5/8	1 7/8
UJ9M-24-24	1 7/8	1 7/8
UJ9M-32-32	2 1/2	2 1/2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

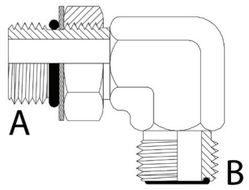
Adaptors
TRUFLOW HYDRAULIC HOSE AND FITTINGS

UJ9MFS — UNO Male X JIC Female Swivel 90°



Part #	UNO M	JIC F
UJ9MFS-04-04	7/16	7/16
UJ9MFS-06-06	9/16	9/16
UJ9MFS-08-08	3/4	3/4
UJ9MFS-10-10	7/8	7/8
UJ9MFS-12-12	1 1/16	1 1/16
UJ9MFS-16-16	1 5/16	1 5/16

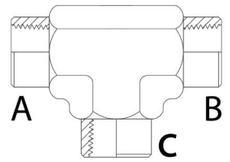
UORS9M — UNO Male X ORFS Male 90°



Part #	UNO M	ORFS M
UORS9M-04-04	7/16	9/16
UORS9M-04-06	7/16	11/16
UORS9M-06-04	9/16	9/16
UORS9M-06-06	9/16	11/16
UORS9M-06-08	9/16	13/16
UORS9M-08-06	3/4	11/16
UORS9M-08-08	3/4	13/16
UORS9M-08-10	3/4	1
UORS9M-08-12	3/4	1 3/16
UORS9M-10-06	7/8	11/16
UORS9M-10-08	7/8	13/16
UORS9M-10-10	7/8	1
UORS9M-10-12	7/8	1 3/16
UORS9M-12-08	1 1/16	13/16
UORS9M-12-10	1 1/16	1
UORS9M-12-12	1 1/16	1 3/16
UORS9M-12-16	1 1/16	1 7/16
UORS9M-16-12	1 5/16	1 3/16
UORS9M-16-16	1 5/16	1 7/16
UORS9M-16-20	1 5/16	1 11/16
UORS9M-20-16	1 5/8	1 7/16
UORS9M-20-20	1 5/8	1 11/16
UORS9M-20-24	1 5/8	2
UORS9M-24-24	1 7/8	2

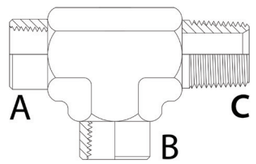
Tee Adaptors

B3F — BSPT Female Tee



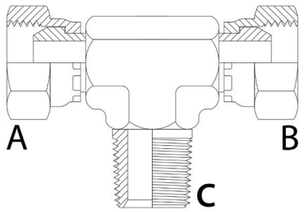
Part #	BSPT F	BSPT F	BSPT F
B3F-02-02-02	1/8	1/8	1/8
B3F-04-04-04	1/4	1/4	1/4
B3F-06-06-06	3/8	3/8	3/8
B3F-08-08-08	1/2	1/2	1/2
B3F-12-12-12	3/4	3/4	3/4
B3F-16-16-16	1	1	1
B3F-20-20-20	1 1/4	1 1/4	1 1/4
B3F-24-24-24	1 1/2	1 1/2	1 1/2
B3F-32-32-32	2	2	2

B3FMR — BSPT Female X BSPT Female X BSPT Male (Run)Tee



Part #	BSPT F	BSPT F	BSPT M
B3FMR-02-02-02	1/8	1/8	1/8
B3FMR-04-04-04	1/4	1/4	1/4
B3FMR-06-06-06	3/8	3/8	3/8
B3FMR-08-08-08	1/2	1/2	1/2
B3FMR-12-12-12	3/4	3/4	3/4
B3FMR-16-16-16	1	1	1
B3FMR-20-20-20	1 1/4	1 1/4	1 1/4

B3FSML — BSPP Female Swivel X BSPP Female Swivel X BSPT Male (Leg) Tee

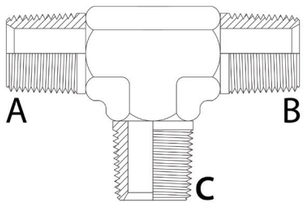


Part #	BSPP F	BSPP F	BSPT M
B3FSML-04-04-04	1/4	1/4	1/4
B3FSML-06-06-06	3/8	3/8	3/8
B3FSML-08-08-08	1/2	1/2	1/2
B3FSML-12-12-12	3/4	3/4	3/4
B3FSML-16-16-16	1	1	1

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

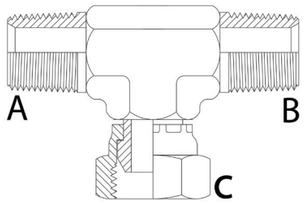
Adaptors

B3M — BSPT Male Tee



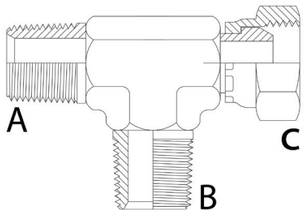
Part #	BSPT M	BSPT M	BSPT M
B3M-02-02-02	1/8	1/8	1/8
B3M-04-04-04	1/4	1/4	1/4
B3M-06-06-06	3/8	3/8	3/8
B3M-08-08-08	1/2	1/2	1/2
B3M-08-08-12	1/2	1/2	3/4
B3M-12-12-08	3/4	3/4	1/2
B3M-12-12-12	3/4	3/4	3/4
B3M-16-16-16	1	1	1
B3M-20-20-20	1 1/4	1 1/4	1 1/4
B3M-24-24-24	1 1/2	1 1/2	1 1/2
B3M-32-32-32	2	2	2

B3MFSL — BSPT Male X BSPT Male X BSPP Female Swivel (Leg) Tee



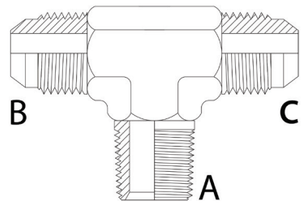
Part #	BSPT M	BSPT M	BSPP F
B3MFSL-02-02-02	1/8	1/8	1/8
B3MFSL-04-04-04	1/4	1/4	1/4
B3MFSL-06-06-06	3/8	3/8	3/8
B3MFSL-08-08-08	1/2	1/2	1/2
B3MFSL-12-12-12	3/4	3/4	3/4
B3MFSL-16-16-16	1	1	1

B3MFSR — BSPT Male X BSPT Male X BSPP Female Swivel (Run) Tee



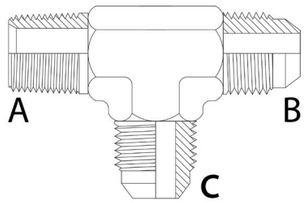
Part #	BSPT M	BSPT M	BSPP F
B3MFSR-02-02-02	1/8	1/8	1/8
B3MFSR-04-04-04	1/4	1/4	1/4
B3MFSR-06-06-06	3/8	3/8	3/8
B3MFSR-08-08-08	1/2	1/2	1/2
B3MFSR-12-12-12	3/4	3/4	3/4
B3MFSR-16-16-16	1	1	1
B3MFSR-20-20-20	1 1/4	1 1/4	1 1/4
B3MFSR-24-24-24	1 1/2	1 1/2	1 1/2

BJ3ML — BSPT Male (Leg) X JIC Male X JIC Male Tee



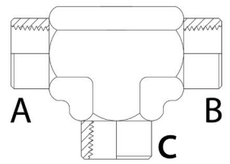
Part #	BSPT M	JIC M	JIC M
BJ3ML-02-04-04	1/8	7/16	7/16
BJ3ML-04-04-04	1/4	7/16	7/16
BJ3ML-04-06-06	1/4	9/16	9/16
BJ3ML-04-08-08	1/4	3/4	3/4
BJ3ML-06-06-06	3/8	9/16	9/16
BJ3ML-06-08-08	3/8	3/4	3/4
BJ3ML-06-10-10	3/8	7/8	7/8
BJ3ML-08-08-08	1/2	3/4	3/4
BJ3ML-08-10-10	1/2	7/8	7/8
BJ3ML-12-12-12	3/4	1 1/16	1 1/16
BJ3ML-16-16-16	1	1 5/16	1 5/16

BJ3MR — BSPT Male (Run) X JIC Male X JIC Male Tee



Part #	BSPT M	JIC M	JIC M
BJ3MR-02-04-04	1/8	7/16	7/16
BJ3MR-04-04-04	1/4	7/16	7/16
BJ3MR-04-06-06	1/4	9/16	9/16
BJ3MR-06-06-06	3/8	9/16	9/16
BJ3MR-06-08-08	3/8	3/4	3/4
BJ3MR-08-08-08	1/2	3/4	3/4
BJ3MR-08-10-10	1/2	7/8	7/8
BJ3MR-12-12-12	3/4	1 1/16	1 1/16
BJ3MR-16-16-16	1	1 5/16	1 5/16

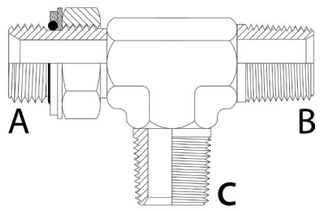
BP3F — BSPP Female Tee



Part #	BSPP F	BSPP F	BSPP F
BP3F-04-04-04	1/4	1/4	1/4
BP3F-06-06-06	3/8	3/8	3/8
BP3F-08-08-08	1/2	1/2	1/2
BP3F-12-12-12	3/4	3/4	3/4
BP3F-16-16-16	1	1	1

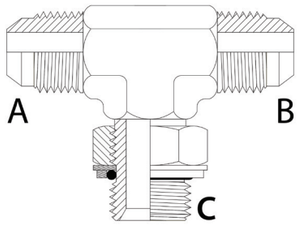
Adaptors
TRUFLOW HYDRAULIC HOSE AND FITTINGS

BPB3MR — BSPP Male (Run) X BSPT Male X BSPT Male Tee



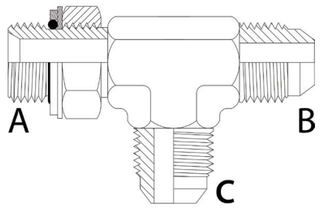
Part #	BSPP M	BSPT M	BSPT M
BPB3MR-04-04-04	1/4	1/4	1/4

BPJ3ML — BSPP Male (Leg) X JIC Male X JIC Male Tee



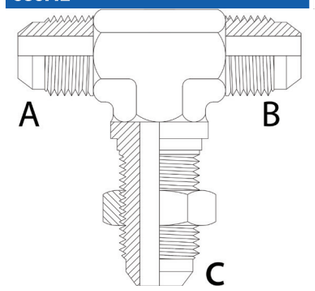
Part #	BSPP M	JIC M	JIC M
BPJ3ML-02-04-04	1/8	7/16	7/16
BPJ3ML-04-04-04	1/4	7/16	7/16
BPJ3ML-04-06-06	1/4	9/16	9/16
BPJ3ML-06-06-06	3/8	9/16	9/16
BPJ3ML-06-08-08	3/8	3/4	3/4
BPJ3ML-08-08-08	1/2	3/4	3/4
BPJ3ML-08-10-10	1/2	7/8	7/8
BPJ3ML-12-10-10	3/4	7/8	7/8
BPJ3ML-12-12-12	3/4	1 1/16	1 1/16
BPJ3ML-16-16-16	1	1 5/16	1 5/16
BPJ3ML-20-20-20	1 1/4	1 5/8	1 5/8
BPJ3ML-24-24-24	1 1/2	1 7/8	1 7/8

BPJ3MR — BSPP Male (Run) X JIC Male X JIC Male Tee



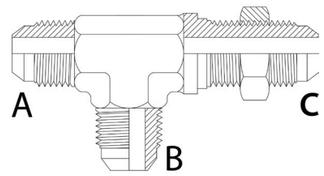
Part #	BSPP M	JIC M	JIC M
BPJ3MR-02-04-04	1/8	7/16	7/16
BPJ3MR-04-04-04	1/4	7/16	7/16
BPJ3MR-04-06-06	1/4	9/16	9/16
BPJ3MR-06-06-06	3/8	9/16	9/16
BPJ3MR-06-08-08	3/8	3/4	3/4
BPJ3MR-08-08-08	1/2	3/4	3/4
BPJ3MR-08-10-10	1/2	7/8	7/8
BPJ3MR-08-12-12	1/2	1 1/16	1 1/16
BPJ3MR-12-12-12	3/4	1 1/16	1 1/16
BPJ3MR-16-16-16	1	1 5/16	1 5/16
BPJ3MR-20-20-20	1 1/4	1 5/8	1 5/8

J30ML — JIC Male X JIC Male X JIC Male Bulkhead (Leg) Tee



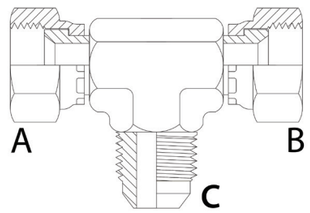
Part #	JIC M	JIC M	JIC BH
J30ML-04-04-04	7/16	7/16	7/16
J30ML-06-06-06	9/16	9/16	9/16
J30ML-08-08-08	3/4	3/4	3/4
J30ML-10-10-10	7/8	7/8	7/8
J30ML-12-12-12	1 1/16	1 1/16	1 1/16
J30ML-16-16-16	1 5/16	1 5/16	1 5/16

J30MR — JIC Male X JIC Male X JIC Male Bulkhead (Run)Tee



Part #	JIC BH	JIC M	JIC M
J30MR-04-04-04	7/16	7/16	7/16
J30MR-06-06-06	9/16	9/16	9/16
J30MR-08-08-08	3/4	3/4	3/4
J30MR-10-10-10	7/8	7/8	7/8
J30MR-12-12-12	1 1/16	1 1/16	1 1/16
J30MR-16-16-16	1 5/16	1 5/16	1 5/16

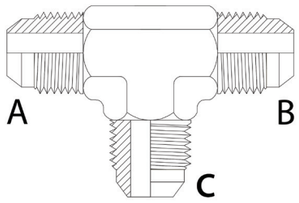
J3FSML — JIC Female Swivel X JIC Female Swivel X JIC Male (Leg)



Part #	JIC F	JIC F	JIC M
J3FSML-04-04-04	7/16	7/16	7/16
J3FSML-06-06-06	9/16	9/16	9/16
J3FSML-08-08-08	3/4	3/4	3/4
J3FSML-12-12-12	1 1/16	1 1/16	1 1/16
J3FSML-16-16-16	1 5/16	1 5/16	1 5/16

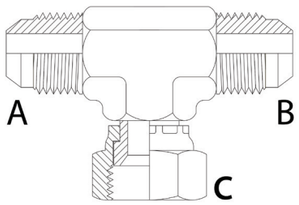
Adaptors

J3M — JIC Male Tee



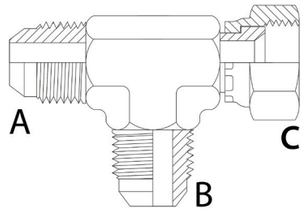
Part #	JIC M	JIC M	JIC M
J3M-04-04-04	7/16	7/16	7/16
J3M-05-05-05	1/2	1/2	1/2
J3M-06-06-06	9/16	9/16	9/16
J3M-06-06-08	9/16	9/16	3/4
J3M-08-08-06	3/4	3/4	9/16
J3M-08-08-08	3/4	3/4	3/4
J3M-08-08-10	3/4	3/4	7/8
J3M-08-08-12	3/4	3/4	1 1/16
J3M-10-10-08	7/8	7/8	3/4
J3M-10-10-10	7/8	7/8	7/8
J3M-10-10-12	7/8	7/8	1 1/16
J3M-12-10-12	1 1/16	7/8	1 1/16
J3M-12-12-08	1 1/16	1 1/16	3/4
J3M-12-12-10	1 1/16	1 1/16	7/8
J3M-12-12-12	1 1/16	1 1/16	1 1/16
J3M-12-12-16	1 1/16	1 1/16	1 5/16
J3M-12-12-20	1 1/16	1 1/16	1 5/8
J3M-12-16-12	1 1/16	1 5/16	1 1/16
J3M-16-16-12	1 5/16	1 5/16	1 1/16
J3M-16-16-16	1 5/16	1 5/16	1 5/16
J3M-20-20-20	1 5/8	1 5/8	1 5/8
J3M-24-24-24	1 7/8	1 7/8	1 7/8
J3M-32-32-32	2 1/2	2 1/2	2 1/2

J3MFSL — JIC Male X JIC Male X JIC Female Swivel (Leg) Tee



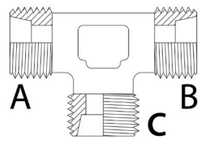
Part #	JIC M	JIC M	JIC F
J3MFSL-04-04-04	7/16	7/16	7/16
J3MFSL-05-05-05	1/2	1/2	1/2
J3MFSL-06-06-06	9/16	9/16	9/16
J3MFSL-08-08-08	3/4	3/4	3/4
J3MFSL-10-10-10	7/8	7/8	7/8
J3MFSL-12-12-12	1 1/16	1 1/16	1 1/16
J3MFSL-16-16-16	1 5/16	1 5/16	1 5/16
J3MFSL-20-20-20	1 5/8	1 5/8	1 5/8
J3MFSL-24-24-24	1 7/8	1 7/8	1 7/8
J3MFSL-32-32-32	2 1/2	2 1/2	2 1/2

J3MFSR — JIC Male X JIC Male X JIC Female Swivel (Run) Tee



Part #	JIC M	JIC M	JIC F
J3MFSR-04-04-04	7/16	7/16	7/16
J3MFSR-05-05-05	1/2	1/2	1/2
J3MFSR-06-06-06	9/16	9/16	9/16
J3MFSR-08-08-08	3/4	3/4	3/4
J3MFSR-10-10-10	7/8	7/8	7/8
J3MFSR-12-12-12	1 1/16	1 1/16	1 1/16
J3MFSR-16-16-16	1 5/16	1 5/16	1 5/16
J3MFSR-20-20-20	1 5/8	1 5/8	1 5/8
J3MFSR-24-24-24	1 7/8	1 7/8	1 7/8
J3MFSR-32-32-32	2 1/2	2 1/2	2 1/2

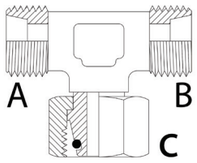
MH3M — Metric Heavy (S) Male Tee



Part #	Metric M	Metric M	Metric M
MH3M-14M-14M-14M	M14X1.5	M14X1.5	M14X1.5
MH3M-16M-16M-16M	M16X1.5	M16X1.5	M16X1.5
MH3M-18M-18M-18M	M18X1.5	M18X1.5	M18X1.5
MH3M-20M-20M-20M	M20X1.5	M20X1.5	M20X1.5
MH3M-22M-22M-22M	M22X1.5	M22X1.5	M22X1.5
MH3M-24M-24M-24M	M24X1.5	M24X1.5	M24X1.5
MH3M-30M-30M-30M	M30X2	M30X2	M30X2
MH3M-36M-36M-36M	M36X2	M36X2	M36X2
MH3M-42M-42M-42M	M42X2	M42X2	M42X2
MH3M-52M-52M-52M	M52X2	M52X2	M52X2

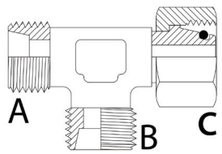
Adaptors

MH3MFSL — Metric Heavy (S) Male X Metric Heavy (S) Male X Metric Heavy (S) F/S (Leg) Tee



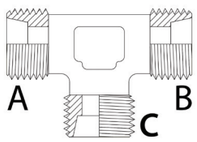
Part #	Metric M	Metric M	Metric F
MH3MFSL-14M-14M-14M	M14X1.5	M14X1.5	M14X1.5
MH3MFSL-16M-16M-16M	M16X1.5	M16X1.5	M16X1.5
MH3MFSL-18M-18M-18M	M18X1.5	M18X1.5	M18X1.5
MH3MFSL-20M-20M-20M	M20X1.5	M20X1.5	M20X1.5
MH3MFSL-22M-22M-22M	M22X1.5	M22X1.5	M22X1.5
MH3MFSL-24M-24M-24M	M24X1.5	M24X1.5	M24X1.5
MH3MFSL-30M-30M-30M	M30X2	M30X2	M30X2
MH3MFSL-36M-36M-36M	M36X2	M36X2	M36X2
MH3MFSL-42M-42M-42M	M42X2	M42X2	M42X2
MH3MFSL-52M-52M-52M	M52X2	M52X2	M52X2

MH3MFSR — Metric Heavy (S) Male X Metric Heavy (S) Male X Metric Heavy (S) F/S (Run) Tee



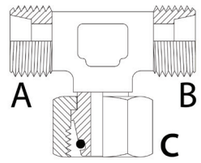
Part #	Metric M	Metric M	Metric F
MH3MFSR-14M-14M-14M	M14X1.5	M14X1.5	M14X1.5
MH3MFSR-16M-16M-16M	M16X1.5	M16X1.5	M16X1.5
MH3MFSR-18M-18M-18M	M18X1.5	M18X1.5	M18X1.5
MH3MFSR-20M-20M-20M	M20X1.5	M20X1.5	M20X1.5
MH3MFSR-22M-22M-22M	M22X1.5	M22X1.5	M22X1.5
MH3MFSR-24M-24M-24M	M24X1.5	M24X1.5	M24X1.5
MH3MFSR-30M-30M-30M	M30X2	M30X2	M30X2
MH3MFSR-36M-36M-36M	M36X2	M36X2	M36X2
MH3MFSR-42M-42M-42M	M42X2	M42X2	M42X2
MH3MFSR-52M-52M-52M	M52X2	M52X2	M52X2

ML3M — Metric Light (L) Male Tee



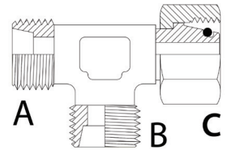
Part #	Metric M	Metric M	Metric M
ML3M-12M-12M-12M	M12X1.5	M12X1.5	M12X1.5
ML3M-14M-14M-14M	M14X1.5	M14X1.5	M14X1.5
ML3M-16M-16M-16M	M16X1.5	M16X1.5	M16X1.5
ML3M-18M-18M-18M	M18X1.5	M18X1.5	M18X1.5
ML3M-22M-22M-22M	M22X1.5	M22X1.5	M22X1.5
ML3M-26M-26M-26M	M26X1.5	M26X1.5	M26X1.5
ML3M-30M-30M-30M	M30X2	M30X2	M30X2
ML3M-36M-36M-36M	M36X2	M36X2	M36X2
ML3M-45M-45M-45M	M45X2	M45X2	M45X2
ML3M-52M-52M-52M	M52X2	M52X2	M52X2

ML3MFSL — Metric Light (L) Male x Metric Light (L) Male x Metric Light (L) F/S(Leg) Tee



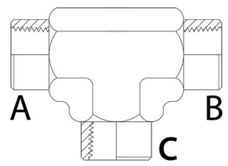
Part #	Metric M	Metric M	Metric F
ML3MFSL-12M-12M-12M	M12X1.5	M12X1.5	M12X1.5
ML3MFSL-14M-14M-14M	M14X1.5	M14X1.5	M14X1.5
ML3MFSL-16M-16M-16M	M16X1.5	M16X1.5	M16X1.5
ML3MFSL-18M-18M-18M	M18X1.5	M18X1.5	M18X1.5
ML3MFSL-22M-22M-22M	M22X1.5	M22X1.5	M22X1.5
ML3MFSL-26M-26M-26M	M26X1.5	M26X1.5	M26X1.5
ML3MFSL-30M-30M-30M	M30X2	M30X2	M30X2
ML3MFSL-36M-36M-36M	M36X2	M36X2	M36X2
ML3MFSL-45M-45M-45M	M45X2	M45X2	M45X2
ML3MFSL-52M-52M-52M	M52X2	M52X2	M52X2

ML3MFSR — Metric Light (L) Male x Metric Light (L) Male x Metric Light (L) F/S(Run) Tee



Part #	Metric M	Metric M	Metric F
ML3MFSR-12M-12M-12M	M12X1.5	M12X1.5	M12X1.5
ML3MFSR-14M-14M-14M	M14X1.5	M14X1.5	M14X1.5
ML3MFSR-16M-16M-16M	M16X1.5	M16X1.5	M16X1.5
ML3MFSR-18M-18M-18M	M18X1.5	M18X1.5	M18X1.5
ML3MFSR-22M-22M-22M	M22X1.5	M22X1.5	M22X1.5
ML3MFSR-26M-26M-26M	M26X1.5	M26X1.5	M26X1.5
ML3MFSR-30M-30M-30M	M30X2	M30X2	M30X2
ML3MFSR-36M-36M-36M	M36X2	M36X2	M36X2
ML3MFSR-45M-45M-45M	M45X2	M45X2	M45X2
ML3MFSR-52M-52M-52M	M52X2	M52X2	M52X2

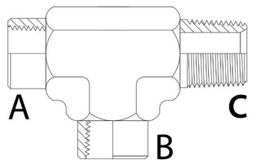
N3F — NPT Female Tee



Part #	NPT F	NPT F	NPT F
N3F-02-02-02	1/8	1/8	1/8
N3F-04-04-04	1/4	1/4	1/4
N3F-06-06-06	3/8	3/8	3/8
N3F-08-08-08	1/2	1/2	1/2
N3F-12-12-12	3/4	3/4	3/4
N3F-16-16-16	1	1	1
N3F-20-20-20	1 1/4	1 1/4	1 1/4
N3F-24-24-24	1 1/2	1 1/2	1 1/2
N3F-32-32-32	2	2	2

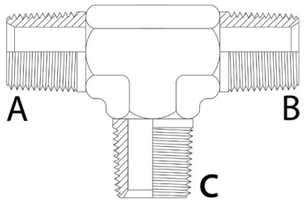
Adaptors

N3FMR — NPT Female X NPT Female X NPT Male (Run) Tee



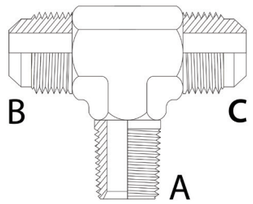
Part #	NPT F	NPT F	NPT M
N3FMR-02-02-02	1/8	1/8	1/8
N3FMR-04-04-04	1/4	1/4	1/4
N3FMR-06-06-06	3/8	3/8	3/8
N3FMR-08-08-08	1/2	1/2	1/2
N3FMR-12-12-12	3/4	3/4	3/4
N3FMR-16-16-16	1	1	1
N3FMR-20-20-20	1 1/4	1 1/4	1 1/4
N3FMR-24-24-24	1 1/2	1 1/2	1 1/2

N3M — NPT Male Tee



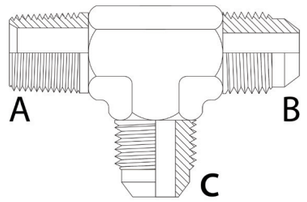
Part #	NPT M	NPT M	NPT M
N3M-02-02-02	1/8	1/8	1/8
N3M-04-04-04	1/4	1/4	1/4
N3M-06-06-06	3/8	3/8	3/8
N3M-08-08-08	1/2	1/2	1/2
N3M-12-12-12	3/4	3/4	3/4
N3M-16-16-16	1	1	1
N3M-20-20-20	1 1/4	1 1/4	1 1/4

NJ3ML — NPT Male (Leg) X JIC Male X JIC Male Tee



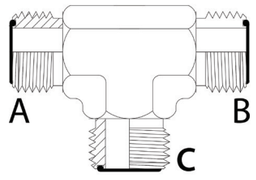
Part #	NPT M	JIC M	JIC M
NJ3ML-04-04-04	1/4	7/16	7/16
NJ3ML-04-06-06	1/4	9/16	9/16

NJ3MR — NPT Male (Run) X JIC Male X JIC Male Tee



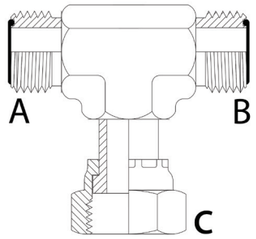
Part #	NPT M	JIC M	JIC M
NJ3MR-06-06-06	3/8	9/16	9/16
NJ3MR-06-08-08	3/8	3/4	3/4

ORS3M — ORFS Male Tee



Part #	ORFS M	ORFS M	ORFS M
ORS3M-04-04-04	9/16	9/16	9/16
ORS3M-06-06-06	11/16	11/16	11/16
ORS3M-08-08-08	13/16	13/16	13/16
ORS3M-10-10-10	1	1	1
ORS3M-12-12-12	1 3/16	1 3/16	1 3/16
ORS3M-16-16-16	1 7/16	1 7/16	1 7/16
ORS3M-20-20-20	1 11/16	1 11/16	1 11/16
ORS3M-24-24-24	2	2	2

ORS3MFSL — ORFS Male X ORFS Male X ORFS Female Swivel (Leg)Tee

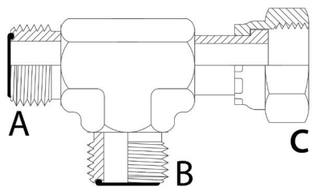


Part #	ORFS M	ORFS M	ORFS F
ORS3MFSL-04-04-04	9/16	9/16	9/16
ORS3MFSL-06-06-06	11/16	11/16	11/16
ORS3MFSL-08-08-08	13/16	13/16	13/16
ORS3MFSL-10-10-10	1	1	1
ORS3MFSL-12-12-12	1 3/16	1 3/16	1 3/16
ORS3MFSL-16-16-16	1 7/16	1 7/16	1 7/16
ORS3MFSL-20-20-20	1 11/16	1 11/16	1 11/16
ORS3MFSL-24-24-24	2	2	2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

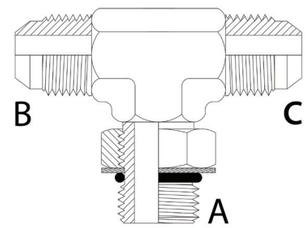
Adaptors

ORS3MFSR — ORFS Male X ORFS Male X ORFS Female Swivel (Run) Tee



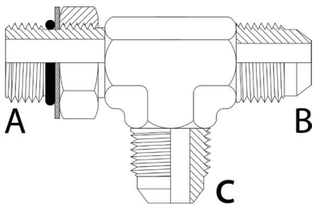
Part #	ORFS M	ORFS M	ORFS F
ORS3MFSR-04-04-04	9/16	9/16	9/16
ORS3MFSR-06-06-06	11/16	11/16	11/16
ORS3MFSR-08-08-08	13/16	13/16	13/16
ORS3MFSR-10-10-10	1	1	1
ORS3MFSR-12-12-12	1 3/16	1 3/16	1 3/16
ORS3MFSR-16-16-16	1 7/16	1 7/16	1 7/16
ORS3MFSR-20-20-20	1 11/16	1 11/16	1 11/16
ORS3MFSR-24-24-24	2	2	2

UJ3ML — UNO Male (Leg) X JIC Male X JIC Male Tee



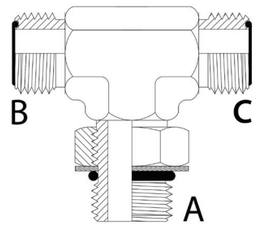
Part #	UNO M	JIC M	JIC M
UJ3ML-04-04-04	7/16	7/16	7/16
UJ3ML-04-06-06	7/16	9/16	9/16
UJ3ML-06-06-06	9/16	9/16	9/16
UJ3ML-08-06-06	3/4	9/16	9/16
UJ3ML-08-08-08	3/4	3/4	3/4
UJ3ML-10-08-08	7/8	3/4	3/4
UJ3ML-10-10-10	7/8	7/8	7/8
UJ3ML-12-12-12	1 1/16	1 1/16	1 1/16
UJ3ML-16-16-16	1 5/16	1 5/16	1 5/16

UJ3MR — UNO Male (Run) X JIC Male X JIC Male Tee



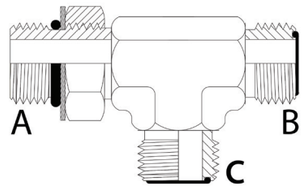
Part #	UNO M	JIC M	JIC M
UJ3MR-04-04-04	7/16	7/16	7/16
UJ3MR-06-04-04	9/16	7/16	7/16
UJ3MR-06-06-06	9/16	9/16	9/16
UJ3MR-06-08-08	9/16	3/4	3/4
UJ3MR-08-06-06	3/4	9/16	9/16
UJ3MR-08-06-08	3/4	9/16	3/4
UJ3MR-08-08-08	3/4	3/4	3/4
UJ3MR-10-10-10	7/8	7/8	7/8
UJ3MR-12-12-12	1 1/16	1 1/16	1 1/16
UJ3MR-16-16-16	1 5/16	1 5/16	1 5/16
UJ3MR-20-20-20	1 5/8	1 5/8	1 5/8

UORS3ML — UNOM(Leg) X ORFSM X ORFSM Tee



Part #	UNO M	ORFS M	ORFS M
UORS3ML-04-04-04	7/16	9/16	9/16
UORS3ML-06-06-06	9/16	11/16	11/16
UORS3ML-08-08-08	3/4	13/16	13/16

UORS3MR — UNO Male (Run) X ORFS Male X ORFS Male Tee

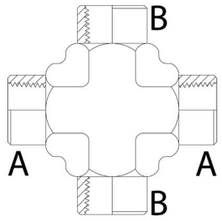


Part #	UNO M	ORFS M	ORFS M
UORS3MR-08-08-08	3/4	13/16	13/16
UORS3MR-16-16-16	1 5/16	1 7/16	1 7/16
UORS3MR-20-20-20	1 5/8	1 11/16	1 11/16

Adaptors

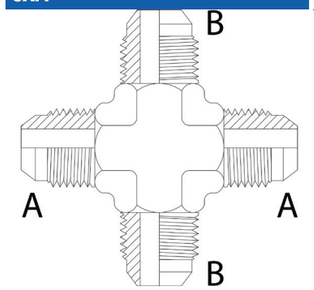
Cross Adaptors

BXF — BSPT Female Cross



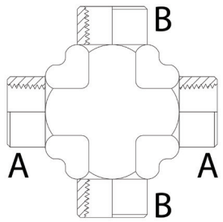
Part #	BSPP	BSP F	BSP F	BSP F
BXF-12-12-12-12	3/4	3/4	3/4	3/4
BXF-16-16-16-16	1	1	1	1

JXM — JIC Male Cross



Part #	JIC	JIC	JIC	JIC
JXM-06-06-06-06	9/16	9/16	9/16	9/16
JXM-08-08-08-08	3/4	3/4	3/4	3/4

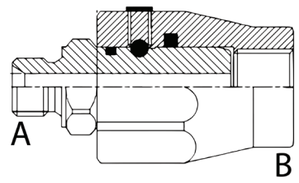
NXF — NPT Female Cross



Part #	NPT	NPT	NPT	NPT
NXF-08-08-08-08	1/2	1/2	1/2	1/2

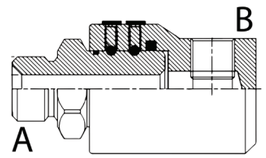
Swivel Joints

SWJ-BP1MF — BSPP Male X BSPP Female Swivel Joint



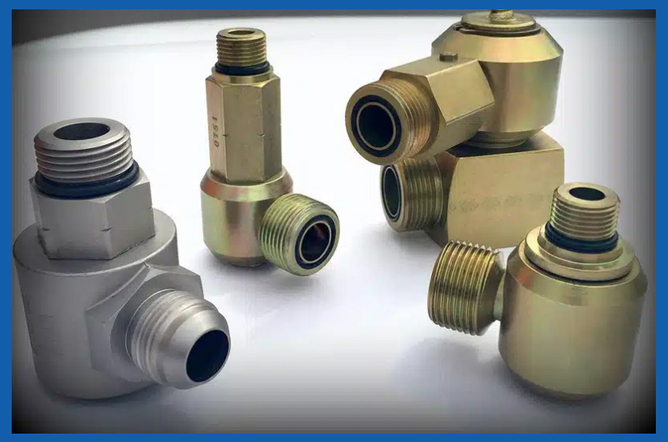
Part #	BSPP M	BSPP F
SWJ-BP1MF-04-04	1/4	1/4
SWJ-BP1MF-06-06	3/8	3/8
SWJ-BP1MF-08-08	1/2	1/2
SWJ-BP1MF-12-12	3/4	3/4
SWJ-BP1MF-16-16	1	1

SWJ-BP9MF — BSPP Male X BSPP Female Swivel Joint 90°



Part #	BSPP M	BSPP F
SWJ-BP9MF-04-04	1/4	1/4
SWJ-BP9MF-06-06	3/8	3/8
SWJ-BP9MF-08-08	1/2	1/2
SWJ-BP9MF-12-12	3/4	3/4
SWJ-BP9MF-16-16	1	1

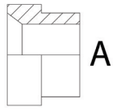
More swivle joints coming in 2024



Adaptors
TRUFLOW HYDRAULIC HOSE AND FITTINGS

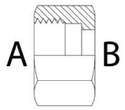
Tube Nuts and Sleeves

JFF — Flare Tube Sleeve



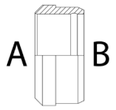
Part #	Tube
JFF-04	1/4
JFF-05	5/16
JFF-06	3/8
JFF-08	1/2
JFF-10	5/8
JFF-12	3/4
JFF-16	1
JFF-20	1 1/4
JFF-24	1 1/2

JNF — JIC X TUBE NUT



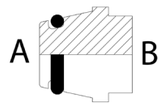
Part #	JIC	Tube
JNF-04	7/16	1/4
JNF-05	1/2	5/16
JNF-06	9/16	3/8
JNF-08	3/4	1/2
JNF-10	7/8	5/8
JNF-12	1 1/16	3/4
JNF-16	1 5/16	1
JNF-20	1 5/8	1 1/4
JNF-24	1 7/8	1 1/2

MHF — Metric Heavy (S) Cutting Ring



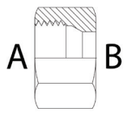
Part #	Metric	Tube (mm)
MHF-14M	M14X1.5	6
MHF-16M	M16X1.5	8
MHF-18M	M18X1.5	10
MHF-20M	M20X1.5	12
MHF-22M	M22X1.5	14
MHF-24M	M24X1.5	16
MHF-30M	M30X2	20
MHF-36M	M36X2	25
MHF-42M	M42X2	30
MHF-52M	M52X2	38

MHI — Metric Heavy (S) Insert



Part #	Metric	Tube (mm)
MHI-22M	M22X1.5	14
MHI-24M	M24X1.5	16
MHI-30M	M30X2	20
MHI-36M	M36X2	25
MHI-42M	M42X2	30
MHI-52	M52x2	38

MHN — Metric Heavy (S) Tube Nut

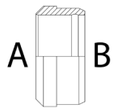


Part #	Metric	Tube (mm)
MHN-14M	M14X1.5	6
MHN-16M	M16X1.5	8
MHN-18M	M18X1.5	10
MHN-20M	M20X1.5	12
MHN-22M	M22X1.5	14
MHN-24M	M24X1.5	16
MHN-30M	M30X2	20
MHN-36M	M36X2	25
MHN-42M	M42X2	30
MHN-52M	M52X2	38

Adaptors

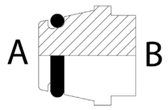
TRUFLOW HYDRAULIC HOSE AND FITTINGS

MLF — Metric Light (L) Cutting Ring



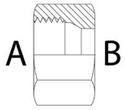
Part #	Metric	Tube (mm)
MLF-12M	M12X1.5	6
MLF-14M	M14X1.5	8
MLF-16M	M16X1.5	10
MLF-18M	M18X1.5	12
MLF-22M	M22X1.5	15
MLF-26M	M26X1.5	18
MLF-30M	M30X2	22
MLF-36M	M36X2	28
MLF-45M	M45X2	35
MLF-52M	M52X2	42

MLI — Metric Light (L) Insert



Part #	Metric	Tube (mm)
MLI-12M	M12X1.5	6
MLI-14M	M14X1.5	8
MLI-16M	M16X1.5	10
MLI-18M	M18X1.5	12
MLI-22M	M22X1.5	15
MLI-26M	M26X1.5	18
MLI-30M	M30X2	22
MLI-36M	M36X2	28
MLI-45M	M45X2	35
MLI-52M	M52X2	42

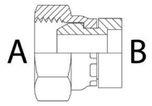
MLN — Metric Light (L) Tube Nut



Part #	Metric	Tube (mm)
MLN-12M	M12X1.5	6
MLN-14M	M14X1.5	8
MLN-16M	M16X1.5	10
MLN-18M	M18X1.5	12
MLN-22M	M22X1.5	15
MLN-26M	M26X1.5	18
MLN-30M	M30X2	22
MLN-36M	M36X2	28
MLN-45M	M45X2	35
MLN-52M	M52X2	42

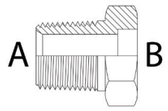
Tube Weld

BFSTW — BSPP Female Swivel X O D Tube Weld



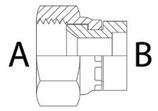
Part #	BSPP F	TUBE
BFSTW-04-04	1/4	1/4
BFSTW-06-06	3/8	3/8
BFSTW-08-08	1/2	1/2
BFSTW-12-12	3/4	3/4
BFSTW-16-16	1	1

BMTW — BSPT Male X O D Tube Weld



Part #	BSPT M	TUBE
BMTW-04-04	1/4	1/4
BMTW-04-06	1/4	3/8
BMTW-06-06	3/8	3/8
BMTW-06-08	3/8	1/2
BMTW-08-08	1/2	1/2
BMTW-08-10	1/2	5/8
BMTW-08-12	1/2	3/4
BMTW-12-12	3/4	3/4
BMTW-12-16	3/4	1
BMTW-16-16	1	1
BMTW-16-20	1	1 1/4
BMTW-20-20	1 1/4	1 1/4

JFSTW — JIC Female Swivel X Tube Weld

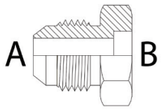


Part #	JIC F	TUBE
JFSTW-04-04	7/16	1/4
JFSTW-06-06	9/16	3/8
JFSTW-08-08	3/4	1/2
JFSTW-08-10	3/4	5/8
JFSTW-10-08	7/8	1/2
JFSTW-10-10	7/8	5/8
JFSTW-12-12	1 1/16	3/4
JFSTW-16-16	1 5/16	1
JFSTW-16-20	1 5/16	1 1/4
JFSTW-20-20	1 5/8	1 1/4
JFSTW-20-24	1 5/8	1 1/2
JFSTW-32-32	2 1/2	2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Adaptors

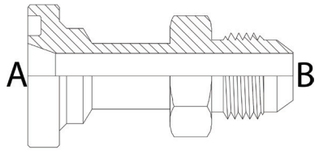
JMTW — JIC Male X Tube Weld



Part #	JIC M	TUBE
JMTW-04-04	7/16	1/4
JMTW-04-06	7/16	3/8
JMTW-06-06	9/16	3/8
JMTW-08-08	3/4	1/2
JMTW-08-10	3/4	5/8
JMTW-12-12	1 1/16	3/4
JMTW-12-16	1 1/16	1
JMTW-14-14	1 3/16	7/8
JMTW-16-16	1 5/16	1
JMTW-16-20	1 5/16	1 1/4
JMTW-20-16	1 5/8	1
JMTW-20-20	1 5/8	1 1/4
JMTW-24-24	1 7/8	1 1/2
JMTW-32-32	2 1/2	2

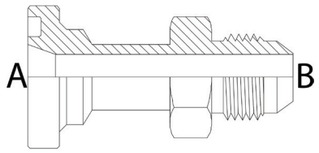
Flange Adaptors

SF61J1M — Code 61 Flange X JIC Male



Part #	Code 61	JIC M
SF61J1M-08-08	1/2	3/4
SF61J1M-12-12	3/4	1 1/16
SF61J1M-12-16	3/4	1 5/16
SF61J1M-16-12	1	1 1/16
SF61J1M-16-16	1	1 5/16
SF61J1M-16-24	1	1 7/8
SF61J1M-20-12	1 1/4	1 1/16
SF61J1M-20-16	1 1/4	1 5/16
SF61J1M-20-20	1 1/4	1 5/8
SF61J1M-24-16	1 1/2	1 5/16
SF61J1M-24-20	1 1/2	1 5/8
SF61J1M-24-24	1 1/2	1 7/8
SF61J1M-32-24	2	1 7/8
SF61J1M-32-32	2	2 1/2

SF62J1M — Code 62 Flange X JIC Male

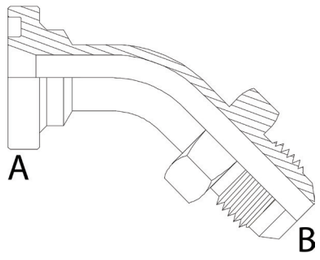


Part #	Code 62	JIC M
SF62J1M-08-08	1/2	3/4
SF62J1M-12-12	3/4	1 1/16
SF62J1M-12-16	3/4	1 5/16
SF62J1M-16-12	1	1 1/16
SF62J1M-16-16	1	1 5/16
SF62J1M-20-12	1 1/4	1 1/16
SF62J1M-20-16	1 1/4	1 5/16
SF62J1M-20-20	1 1/4	1 5/8
SF62J1M-24-16	1 1/2	1 5/16
SF62J1M-24-20	1 1/2	1 5/8
SF62J1M-24-24	1 1/2	1 7/8

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

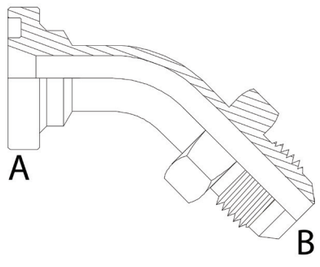
Adaptors

SF61J4M — Code61 Flange X JIC Male Swept 45°



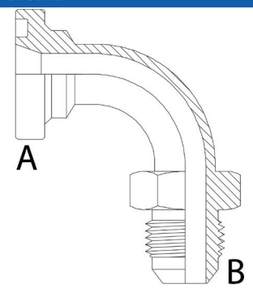
Part #	Code61	JIC M
SF61J4M-08-08	1/2	3/4
SF61J4M-12-12	3/4	1 1/16
SF61J4M-16-12	1	1 1/16
SF61J4M-16-16	1	1 5/16
SF61J4M-20-16	1 1/4	1 5/16
SF61J4M-20-20	1 1/4	1 5/8
SF61J4M-24-24	1 1/2	1 7/8

SF62J4M — Code 62 Flange X JIC Male Swept 45°



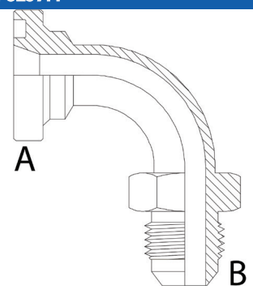
Part #	Code 62	JIC M
SF62J4M-20-20	1 1/4	1 5/8

SF61J9M — Code 61 Flange X JIC Male Swept 90°



Part #	Code 61 F	JIC M
SF61J9M-08-08	1/2	3/4
SF61J9M-12-12	3/4	1 1/16
SF61J9M-16-12	1	1 1/16
SF61J9M-16-16	1	1 5/16
SF61J9M-20-16	1 1/4	1 5/16
SF61J9M-20-20	1 1/4	1 5/8
SF61J9M-20-24	1 1/4	1 7/8
SF61J9M-24-16	1 1/2	1 5/16
SF61J9M-24-20	1 1/2	1 5/8
SF61J9M-24-24	1 1/2	1 7/8
SF61J9M-32-20	2	1 5/8
SF61J9M-32-32	2	2 1/2

SF62J9M — Code 62 Flange X JIC Male Swept 90°

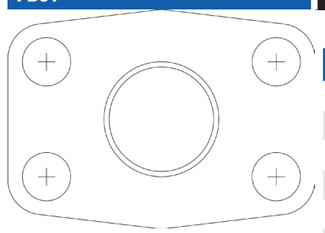


Part #	Code 62	JIC M
SF62J9M-12-12	3/4	1 1/16
SF62J9M-12-16	3/4	1 5/16
SF62J9M-16-12	1	1 1/16
SF62J9M-16-16	1	1 5/16
SF62J9M-20-12	1 1/4	1 1/16
SF62J9M-20-16	1 1/4	1 5/16
SF62J9M-20-20	1 1/4	1 5/8
SF62J9M-24-16	1 1/2	1 5/16
SF62J9M-24-20	1 1/2	1 5/8
SF62J9M-24-24	1 1/2	1 7/8
SF62J9M-32-32	2	2 1/2

Adaptors
TRUFLOW HYDRAULIC HOSE AND FITTINGS

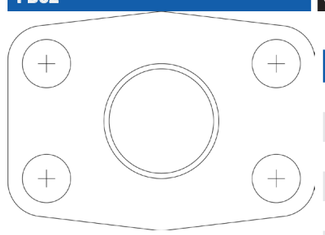
Flange Blanks

FB61 — Code 61 Flange Blank (High Pressure)



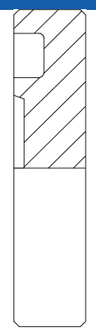
Part #	Code 62
FB61-08	1/2
FB61-12	3/4
FB61-16	1
FB61-20	1 1/4
FB61-24	1 1/2
FB61-32	2

FB62 — Code 62 Flange Blank (High Pressure)



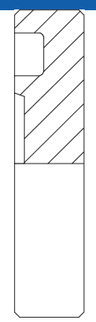
Part #	Code 62
FB62-08	1/2
FB62-12	3/4
FB62-16	1
FB62-20	1 1/4
FB62-24	1 1/2
FB62-32	2

FBI61 — Code 61 Flange Blank Insert



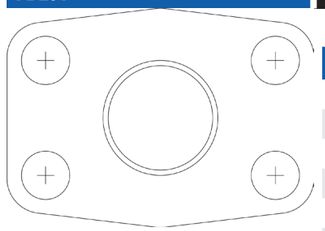
Part #	Code 61
FBI61-08	1/2
FBI61-12	3/4
FBI61-16	1
FBI61-20	1 1/4
FBI61-24	1 1/2
FBI61-32	2
FBI61-40	2 1/2
FBI61-48	3

FBI62 — Code 62 Flange Blank Insert



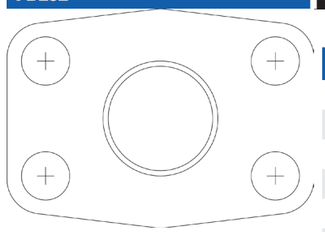
Part #	Code 62
FBI62-08	1/2
FBI62-12	3/4
FBI62-16	1
FBI62-20	1 1/4
FBI62-24	1 1/2
FBI62-32	2

FBL61 — Code 61 Flange Blank (Low Pressure)



Part #	Code 61
FBL61-08	1/2
FBL61-12	3/4
FBL61-16	1
FBL61-20	1 1/4
FBL61-24	1 1/2
FBL61-32	2
FBL61-40	2 1/2
FBL61-48	3
FBL61-56	3 1/2

FBL62 — Code 62 Flange Blank (Low Pressure)

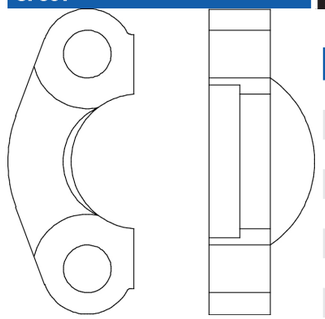


Part #	Code 62
FBL62-08	1/2
FBL62-12	3/4
FBL62-16	1
FBL62-20	1 1/4
FBL62-24	1 1/2
FBL62-32	2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

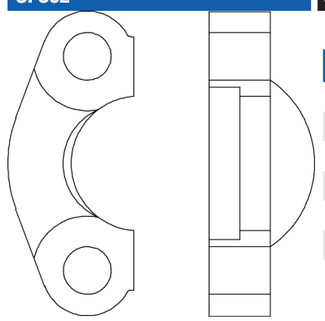
Adaptors

SFC61 — Code 61 Split Flange Clamp (Pair)



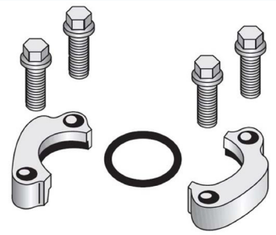
Part #	Code 61
SFC61-08	1/2
SFC61-12	3/4
SFC61-16	1
SFC61-20	1 1/4
SFC61-24	1 1/2
SFC61-32	2
SFC61-40	2 1/2
SFC61-48	3

SFC62 — Code 62 Split Flange Clamp (Pair)



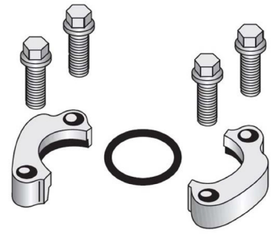
Part #	Code 62
SFC62-08	1/2
SFC62-12	3/4
SFC62-16	1
SFC62-20	1 1/4
SFC62-24	1 1/2
SFC62-32	2
SFC62-40	2 1/2

SFK61 — Code 61 Split Flange Kit



Part #	Code 61
SFK61-08	1/2
SFK61-12	3/4
SFK61-16	1
SFK61-20	1 1/4
SFK61-24	1 1/2
SFK61-32	2

SFK62 — Code 62 Split Flange Kit



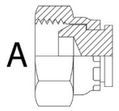
Part #	Code 62
SFK62-08	1/2
SFK62-12	3/4
SFK62-16	1
SFK62-20	1 1/4
SFK62-24	1 1/2
SFK62-32	2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Adaptors
TRUFLOW HYDRAULIC HOSE AND FITTINGS

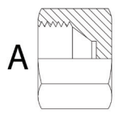
Caps

BPC — BSPP Cap



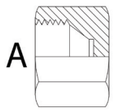
Part #	BSPP F
BPC-02	1/8
BPC-04	1/4
BPC-06	3/8
BPC-08	1/2
BPC-10	5/8
BPC-12	3/4
BPC-16	1
BPC-20	1 1/4
BPC-24	1 1/2
BPC-32	2

JC — JIC Cap



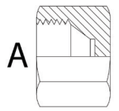
Part #	JIC
JC-03	3/8
JC-04	7/16
JC-05	1/2
JC-06	9/16
JC-08	3/4
JC-10	7/8
JC-12	1 1/16
JC-14	1 3/16
JC-16	1 5/16
JC-20	1 5/8
JC-24	1 7/8
JC-32	2 1/2

JISC — JIS (BSPP) Cap



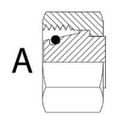
Part #	JIS (BSPP)
JISC-04	1/4
JISC-06	3/8
JISC-08	1/2
JISC-12	3/4
JISC-16	1

KC — Komatsu Cap



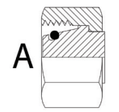
Part #	Metric
KC-12M	M12X1.5
KC-14M	M14X1.5
KC-16M	M16X1.5
KC-18M	M18X1.5
KC-20M	M20X1.5
KC-22M	M22X1.5
KC-24M	M24X1.5
KC-30M	M30X1.5
KC-33M	M33X1.5
KC-36M	M36X1.5

MHC — Metric Heavy (S) Cap



Part #	Metric
MHC-14M	M14X1.5
MHC-16M	M16X1.5
MHC-18M	M18X1.5
MHC-20M	M20X1.5
MHC-22M	M22X1.5
MHC-24M	M24X1.5
MHC-30M	M30X2
MHC-36M	M36X2
MHC-42M	M42X2
MHC-52M	M52X2

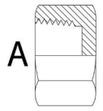
MLC — Metric Light (L) Cap



Part #	Metric
MLC-12M	M12X1.5
MLC-14M	M14X1.5
MLC-16M	M16X1.5
MLC-18M	M18X1.5
MLC-22M	M22X1.5
MLC-26M	M26X1.5
MLC-30M	M30X2
MLC-36M	M36X2
MLC-45M	M45X2
MLC-52M	M52X2

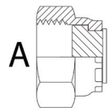
Adaptors

NC — NPT Cap



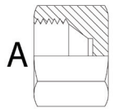
Part #	NPT
NC-04	1/4
NC-06	3/8
NC-08	1/2
NC-12	3/4
NC-16	1

ORSC — ORFS Female Cap



Part #	ORFS
ORSC-04	9/16
ORSC-06	11/16
ORSC-08	13/16
ORSC-10	1
ORSC-12	1 3/16
ORSC-16	1 7/16
ORSC-20	1 11/16
ORSC-24	2

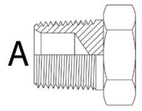
SC — SAE Cap



Part #	SAE
SC-04	7/16
SC-05	1/2
SC-06	5/8
SC-08	1/2
SC-10	7/8
SC-12	3/4

Plugs

BP — BSPT Plug

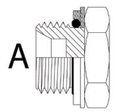


Part #	BSPT M
BP-02	1/8
BP-04	1/4
BP-06	3/8
BP-08	1/2
BP-10	5/8
BP-12	3/4
BP-16	1
BP-20	1 1/4
BP-24	1 1/2
BP-32	2

BP-R — BSPT Socket Head Plug (Round)

Part #	BSPP M
BP-02R	1/8
BP-04R	1/4
BP-06R	3/8
BP-08R	1/2
BP-12R	3/4
BP-16R	1
BP-20R	1 1/4

BPP — BSPP Plug

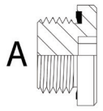


Part #	BSPP M
BPP-02	1/8
BPP-04	1/4
BPP-06	3/8
BPP-08	1/2
BPP-10	5/8
BPP-12	3/4
BPP-16	1
BPP-20	1 1/4
BPP-24	1 1/2
BPP-32	2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

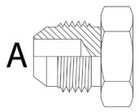
Adaptors

BPP-R — BSPP C/Sunk Plug Encapsulated Seal



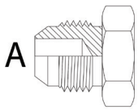
Part #	BSPP M
BPP-02R	1/8
BPP-04R	1/4
BPP-06R	3/8
BPP-08R	1/2
BPP-12R	3/4
BPP-16R	1
BPP-20R	1 1/4
BPP-24R	1 1/2
BPP-32R	2

JISP — JIS(BSPP) Plug



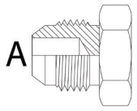
Part #	JIS(BSPP) M
JISP-04	1/4
JISP-06	3/8
JISP-08	1/2
JISP-12	3/4
JISP-16	1

JP — JIC Plug



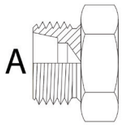
Part #	JIC M
JP-03	3/8
JP-04	7/16
JP-05	1/2
JP-06	9/16
JP-08	3/4
JP-10	7/8
JP-12	1 1/16
JP-14	1 3/16
JP-16	1 5/16
JP-20	1 5/8
JP-24	1 7/8
JP-32	2 1/2

KP — Komatsu Plug



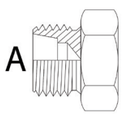
Part #	Metric M
KP-12M	M12X1.5
KP-14M	M14X1.5
KP-16M	M16X1.5
KP-18M	M18X1.5
KP-20M	M20X1.5
KP-22M	M22X1.5
KP-24M	M24X1.5
KP-30M	M30X1.5
KP-33M	M33X1.5
KP-36M	M36X1.5

MHP — Metric Heavy (S) Plug



Part #	Metric M
MHP-14M	M14X1.5
MHP-16M	M16X1.5
MHP-18M	M18X1.5
MHP-20M	M20X1.5
MHP-22M	M22X1.5
MHP-24M	M24X1.5
MHP-30M	M30X2
MHP-36M	M36X2
MHP-42M	M42X2
MHP-52M	M52X2

MLP — Metric Light (L) Plug

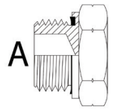


Part #	Metric M
MLP-12M	M12X1.5
MLP-14M	M14X1.5
MLP-16M	M16X1.5
MLP-18M	M18X1.5
MLP-22M	M22X1.5
MLP-26M	M26X1.5
MLP-30M	M30X2
MLP-36M	M36X2
MLP-45M	M45X2
MLP-52M	M52X2

Adaptors

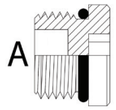
TRUFLOW HYDRAULIC HOSE AND FITTINGS

MSP — Metric Stud Plug (PORT PLUG)



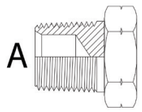
Part #	Metric M
MSP-10X1.0M	M10X1.0
MSP-10x1.5M	M10X1.5
MSP-12X1.25M	M12X1.25
MSP-12M	M12X1.5
MSP-14M	M14X1.5
MSP-16M	M16X1.5
MSP-18M	M18X1.5
MSP-20M	M20X1.5
MSP-22M	M22X1.5
MSP-24M	M24X1.5
MSP-26M	M26X1.5
MSP-27X1.5M	M27X1.5
MSP-27X2.0M	M27X2
MSP-30X1.5M	M30X1.5
MSP-30X2.0M	M30X2
MSP-33X1.5M	M33X1.5
MSP-33X2.0M	M33X2
MSP-38X1.5M	M38X1.5
MSP-38X2.0M	M38X12
MSP-42X2.0M	M42X2

MSP-R — Metric Stud Countersunk Plug(PORT PLUG)



Part #	Metric M
MSP-10MR	M10X1.0
MSP-12MR	M12X1.5
MSP-14MR	M14X1.5
MSP-16MR	M16X1.5
MSP-18MR	M18X1.5
MSP-20MR	M20X1.5
MSP-22MR	M22X1.5
MSP-24MR	M24X1.5
MSP-26MR	M26X1.5
MSP-27X1.5MR	M27X1.5
MSP-27X2.0MR	M27X2
MSP-30X1.5MR	M30X1.5
MSP-30X2.0MR	M30X2
MSP-33X1.5MR	M33X1.5
MSP-33X2.0MR	M33X2
MSP-38X1.5MR	M38X1.5
MSP-38X2.0MR	M38X12
MSP-42X2.0MR	M42X2

NP — NPT Plug



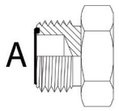
Part #	NPT M
NP-02	1/8
NP-04	1/4
NP-06	3/8
NP-08	1/2
NP-12	3/4
NP-16	1
NP-20	1 1/4
NP-24	1 1/2
NP-32	2

Adaptors

NP-R — NPT Socket Head Plug (Round)

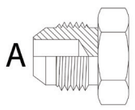
Part #	NPT M
NP-02R	1/8
NP-04R	1/4
NP-06R	3/8
NP-08R	1/2
NP-12R	3/4
NP-16R	1

ORSP — ORFS MALE PLUG



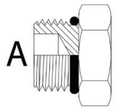
Part #	ORFS M
ORSP-04	9/16
ORSP-06	11/16
ORSP-08	13/16
ORSP-10	1
ORSP-12	1 3/16
ORSP-16	1 7/16
ORSP-20	1 11/16
ORSP-24	2

SP — SAE Plug



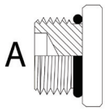
Part #	SAE M
SP-04	7/16
SP-05	1/2
SP-06	5/8
SP-08	1/2
SP-10	7/8
SP-12	3/4

UP — UNO Plug



Part #	UNO M
UP-02	5/16
UP-03	3/8
UP-04	7/16
UP-05	1/2
UP-06	9/16
UP-08	3/4
UP-10	7/8
UP-12	1 1/16
UP-14	1 3/16
UP-16	1 5/16
UP-20	1 5/8
UP-24	1 7/8
UP-32	2 1/2

UP-R — UNOPlug Counter Sunk

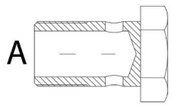


Part #	UNOM
UP-02R	5/16
UP-03R	3/8
UP-04R	7/16
UP-05R	1/2
UP-06R	9/16
UP-08R	3/4
UP-10R	7/8
UP-12R	1 1/16
UP-16R	1 5/16
UP-20R	1 5/8
UP-24R	1 7/8

Adaptors
TRUFLOW HYDRAULIC HOSE AND FITTINGS

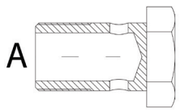
Banjo Bolt

BANJOBT-B — BSPP Banjo Bolt



Part #	BSPP
BANJOBT-02	1/8
BANJOBT-04	1/4
BANJOBT-06	3/8
BANJOBT-08	1/2
BANJOBT-12	3/4
BANJOBT-16	1

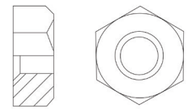
BANJOBT-M — Metric Banjo Bolt



Part #	Metric
BANJOBT-10M	M10X1
BANJOBT-12M	M12X1.5
BANJOBT-14M	M14X1.5
BANJOBT-16M	M16X1.5
BANJOBT-18M	M18X1.5
BANJOBT-20M	M20X1.5
BANJOBT-22M	M22X1.5
BANJOBT-26M	M26X1.5
BANJOBT-30M	M30X2

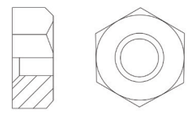
Bulkhead Nut

BPBHN — BSPP Bulkhead Lock Nut



Part #	BSPP
BPBHN-04	1/4
BPBHN-12	3/4
BPBHN-16	1
BPBHN-06	3/8
BPBHN-08	1/2

JBHN — JIC Bulkhead Lock Nut



Part #	JIC
JBHN-04	7/16
JBHN-06	9/16
JBHN-08	3/4
JBHN-10	7/8
JBHN-12	1 1/16
JBHN-16	1 5/16
JBHN-20	1 5/8

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

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Ergonomic

Swedish design

HYDROSCAND

D - Quick Release Adaptors

Contents

Agricultural D2
ISO A. D4
ISO B. D7
PBR D9
Nordic (Tema Interchange) D11
Flat Face D13
UHP (Ultra High Pressure) D16
Jacking D17
BSB (Wing Nut) (Brass) D19
VD Screw Together D20
VV Screw Together D21
Rock Breaker Couplings D22

Quick Release Couplings

Agricultural

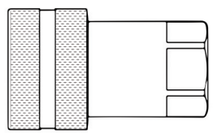
IR-M-CAP — Cap to suit ISO 5675 Agricultural Male Coupling

Part #	Body
M-IR-14-V-CAP	1/4
M-IR-38-V-CAP	3/8

IR-F-PLUG — Plug to suit ISO 5675 Agricultural Female Coupling

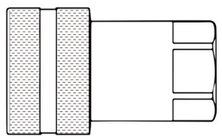
Part #	Body
F-IR-14-V-PLUG	1/2
F-IR-38-V-PLUG	3/8

IR-F-BSP — ISO 5675 Agricultural Female (Ball Type) Coupling x BSPP Female



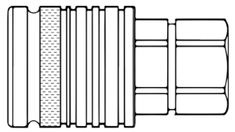
Part #	Body	BSPP F
F-IR-38-BSP	3/8	3/8
F-IR-12-BSP	1/2	1/2
F-IR-100-BSP	1	1

IR-V-F-BSP — ISO 5675 Agricultural Female (Poppet) Coupling x BSPP Female



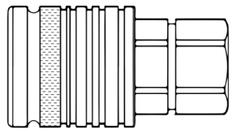
Part #	Body	BSPP F
F-IR-14-V-BSP	1/4	1/4
F-IR-38-V-BSP	3/8	3/8
F-IR-34-VFA-BSP	3/4	3/4
F-IR-100-V-BSP	1	1

IRS-F-BSP — ISO 5675 Agricultural Female (Ball) Coupling Push-Pull x BSPP Female



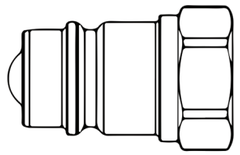
Part #	Body	BSPP F
F-IRS-12-A-BSP	1/2	1/2

IRS-V-F-BSP — ISO 5675 Agricultural Female (Poppet) Coupling Push-Pull x BSPP Female



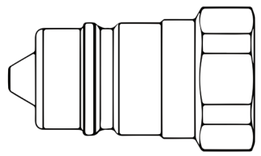
Part #	Body	BSPP F
F-IRS-12-VA-BSP	1/2	1/2

IR-M-BSP — ISO 5675 Agricultural Male Coupling x BSPP Female



Part #	Body	BSPP F
M-IR-14-BSP	1/4	1/4
M-IR-38-BSP	3/8	3/8
M-IR-12-BSP	1/2	1/2
M-IR-34-BSP	3/4	3/4
M-IR-100-BSP	1	1

IR-V-M-BSP — ISO 5675 Agricultural Male (Poppet Style) Coupling x BSPP Female - Viton Seal



Part #	Body	BSPP F
M-IR-14-V-BSP	1/4	1/4
M-IR-38-V-BSP	3/8	3/8
M-IR-34-VFA-BSP	3/4	3/4
M-IR-100-V-BSP	1	1

A Hydraulic Hose
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F Valves
G Grease
H Accessories

Quick Release Couplings

ISO A

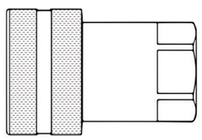
ISOA-F-PLUG — Plug to suit ISO A Female Coupling

Part #	Body
TMB-14	1/4
TMB-38	3/8
TM-12	1/2
TMB-34	3/4
TMB-100	1

ISOA-M-CAP — Cap to suit ISO A Male Coupling

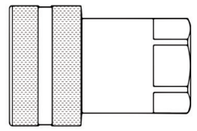
Part #	Body
TFB-14	1/4
TFB-38	3/8
TF-12	1/2
TFB-34	3/4
TFB-100	1

BIR-F-BSP — ISO A Female (Poppet) Coupling x BSPP Female



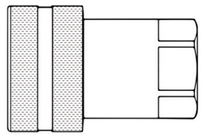
Part #	Body	BSPP F
F-BIR-14-BSP	1/4	1/4
F-BIR-38-BSP	3/8	3/8
F-BIR-12-BSP	1/2	1/2
F-BIR-34-BSP	3/4	3/4
F-BIR-100-BSP	1	1
F-BIR-114-BSP	1 1/4	1 1/4
F-BIR-112-BSP	1 1/2	1 1/2
F-BIR-200-BSP	2	2

BIR-F-NPT — ISO A Female (Poppet) Couping x NPT Female



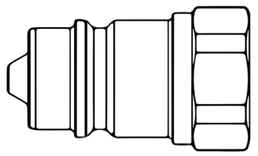
Part #	Body	NPT F
F-BIR-14-NPT	1/4	1/4
F-BIR-38-NPT	3/8	3/8
F-BIR-12-NPT	1/2	1/2
F-BIR-34-NPT	3/4	3/4
F-BIR-100-NPT	1	1

BIR-F-UNO — ISO A Female (Poppet) Coupling x NPT Female



Part #	Body	NPT F
F-BIR-12-SAE	1/2	3/4

BIR-M-BSP — ISO A Male (Poppet) Nipple x BSPP Female



Part #	Body	BSPP F
M-BIR-14-BSP	1/4	1/4
M-BIR-38-BSP	3/8	3/8
M-BIR-12-BSP	1/2	1/2
M-BIR-12-BSP-SS	1/2	1/2
M-BIR-34-BSP	3/4	3/4
M-BIR-100-BSP	1	1
M-BIR-114-BSP	1 1/4	1
M-BIR-112-BSP	1 1/2	1 1/2
M-BIR-200-BSP	2	2

A Hydraulic Hose
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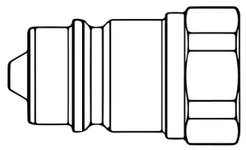
F Valves
G Grease
H Accessories

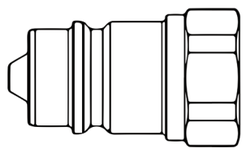
Quick Release Couplings

BIR-M-NPT — ISO A Male (Poppet) Nipple x NPT Female



Part #	Body	NPT F
M-BIR-14-NPT	1/4	1/4
M-BIR-38-NPT	3/8	3/8
M-BIR-12-NPT	1/2	1/2
M-BIR-34-NPT	3/4	3/4
M-BIR-100-NPT	1	1

BIR-M-SAE — ISO A Male (Poppet) Nipple x UNO Female



Part #	Body	UNO F
M-BIR-12-3/4-UNO	1/2	3/4

ISO B

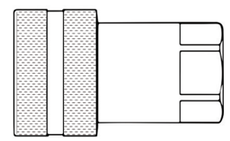
IRB-F-PLUG — Plug to suit ISO B Female Coupling

Part #	Body
F-IRB-14-PLUG	1/4
F-IRB-38-PLUG	3/8
F-IRB-34-PLUG	3/4
F-IRB-12-PLUG	1/2
F-IRB-100-PLUG	1

IRB-M-CAP — Cap to suit ISO B Male Nipple

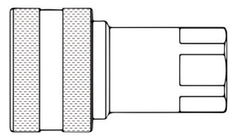
Part #	Body
M-IRB-14-CAP	1/4
M-IRB-38-CAP	3/8
M-IRB-12-CAP	1/2
M-IRB-34-CAP	3/4
M-IRB-100-CAP	1

IR-BO-V-F-BSP — ISO B Female (Poppet) Coupling x BSPP Female - Viton Seal



Part #	Body	BSPP F
F-IR-BO-14V-BSP	1/4	1/4
F-IR-BO-38V-BSP	3/8	3/8
F-IR-BO-12V-BSP	1/2	1/2
F-IR-BO-34V-BSP	3/4	3/4
F-IR-BO-100V-BSP	1	1

IRB-F-BSP — ISO B Female Coupling x BSPP Female

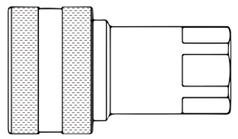


Part #	Body	BSPP F
F-IRB-18-BSP	1/8	1/8
F-IRB-14-BSP	1/4	1/4
F-IRB-38-BSP	3/8	3/8
F-IRB-12-BSP	1/2	1/2
F-IRB-34-BSP	3/4	3/4
F-IRB-100-BSP	1	1

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

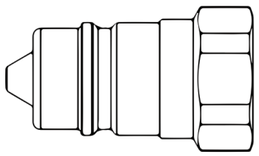
Quick Release Couplings

IRB-F-NPT — ISO B Female Coupling x NPT Female



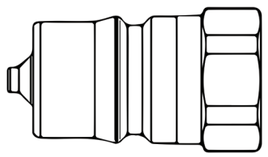
Part #	Body	NPT F
F-IRB-14-NPT	1/4	1/4
F-IRB-38-NPT	3/8	3/8
F-IRB-12-NPT	1/2	1/2
F-IRB-34-NPT	3/4	3/4
F-IRB-100-NPT	1	1

IR-BO-V-M-BSP — ISO B Male (Poppet Style) Coupling x BSPP Female - Viton Seal



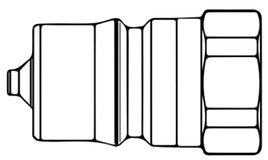
Part #	Body	BSPP F
M-IR-BO-18V-BSP	1/8	1/8
M-IR-BO-14V-BSP	1/4	1/4
M-IR-BO-38V-BSP	3/8	3/8
M-IR-BO-12V-BSP	1/2	1/2
M-IR-BO-34V-BSP	3/4	3/4
M-IR-BO-100V-BSP	1	1

IRB-M-BSP — ISO B Male Nipple x BSPP Female



Part #	Body	BSPP F
M-IRB-14-BSP	1/4	1/4
M-IRB-38-BSP	3/8	3/8
M-IRB-12-BSP	1/2	1/2
M-IRB-34-BSP	3/4	3/4
M-IRB-100-BSP	1	1

IRB-M-NPT — ISO B Male Nipple x NPT Female



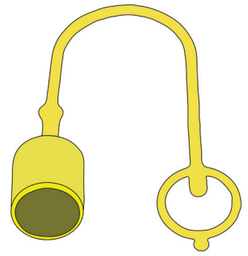
Part #	Body	NPT F
M-IRB-14-NPT	1/4	1/4
M-IRB-38-NPT	3/8	3/8
M-IRB-12-NPT	1/2	1/2
M-IRB-34-NPT	3/4	3/4
M-IRB-100-NPT	1	1

PBR

IRN-F-PLUG — Plug to suit PBR (IBN) Female Coupling

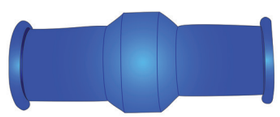
Part #	Body
F-IRN-100-Cap	1

IRN-M-Cap — Cap to suitPBR (IBN) Male Nipple



Part #	Body
M-IRN-100-Plug	1

IRN-M-Cover — Protective cover to suitPBR (IBN) Male Nipple

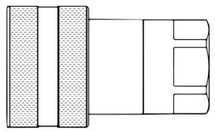


Part #	Body
TRU-3310-COVER	1

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

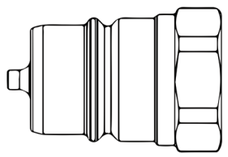
Quick Release Couplings

IRN-F-BSP — PBR (IBN) Female Coupling x BSPP Female



Part #	Body	BSPP F
TRU-3310-29	1	1

IRN-M-BSP — PBR (IBN) Male Nipple x BSPP Female



Part #	Body	BSPP F
TRU-3310-22	1	1

Nordic (Tema Interchange)

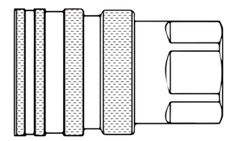
IRH-F-PLUG — Plug to suit IRH (Tema) Female Coupling

Part #	Body
F-IRH-14-PLUG	1/4
F-IRH-38-Plug	3/8
F-IRH-12-PLUG	1/2
F-IRH-34-PLUG-RED	3/4
F-IRH-34-PLUGBLACK	3/4
F-IRH-100-PLUG-RED	1

IRH-M-CAP — Cap to suit IRH (Tema) Male Plug

Part #	Body
M-IRH-14-CAP	1/4
M-IRH-38-Cap	3/8
M-IRH-12-CAP	1/2
M-IRH-34-CAPBLACK	3/4
M-IRH-34-CAP-RED	3/4
M-IRH-100-CAP-RED	1

IRH-F-BSP — IRH (Tema) Female Coupling x BSPP Female



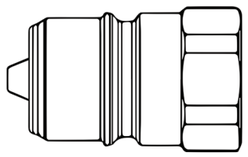
Part #	Body	BSPP F
F-IRH-14-BSP	1/4	1/4
F-IRH-38-BSP	3/8	3/8
F-IRH-12-BSP-PE	1/2	1/2
F-IRH-12-BSP	1/2	1/2
F-IRH-34-BSP	3/4	3/4
F-IRH-34-BSP-PE	3/4	3/4
F-IRH-100-BSP	1	1
F-IRH-100-BSP-PE	1	1

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Quick Release Couplings
TRUFLOW HYDRAULIC HOSE AND FITTINGS

IRH-M-BSP

IRH (Tema) Male Plug x BSPP Female



Part #	Body	BSPP F
M-IRH-14-BSP	1/4	1/4
M-IRH-38-BSP	3/8	3/8
M-IRH-12-BSP	1/2	1/2
M-IRH-12-BSP-PE	1/2	1/2
M-IRH-34-BSP-PE	3/4	3/4
M-IRH-34-BSP	3/4	3/4
M-IRH-100-BSP	1	1
M-IRH-100-BSP-PE	1	1

Flat Face

FIRG-F-Cap

Cap to suit Flat Face Female Coupling

Part #	Body
Cap-F-FIRG-14-Red	1/4
Cap-F-FIRG-12-Red	3/8
Cap-F-FIRG-12-A-Red	1/2
CAP-F-FIRG-34-B	5/8
Cap-F-FIRG-100-Red	3/4
Cap-F-FIRG-114-Red	1

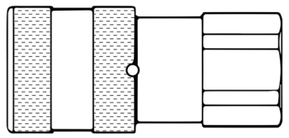
FIRG-M-Cap

Cap to suit Flat Face Male Coupling

Part #	Body
CAP-M-FIRG-14-RED	1/4
Cap-M-FIRG-12-Red	3/8
Cap-M-FIRG-12-A-Red	1/2
CAP-M-FIRG-34-B	5/8
Cap-M-FIRG-100-Red	3/4
Cap-M-FIRG-114-Red	1

FIRG-F-BSP

Flat Face Female Coupling x BSPP Female

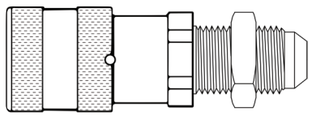


Part #	Body	BSPP F
F-FIRG-14-BSP	1/4	1/4
F-FIRG-12-BSP	3/8	1/2
F-FIRG-38-BSP	3/8	3/8
F-FIRG-12-A-BSP	1/2	1/2
F-FIRG-34-BSP	1/2	3/4
F-FIRG-34-B-BSP	5/8	3/4
F-FIRG-34-A-BSP	3/4	3/4
F-FIRG-100-BSP	3/4	1
F-FIRG-114-BSP	1	1 1/4
F-FIRG-112-BSP	1-1/2	1 1/2
F-FIRG-200-BSP	2	2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

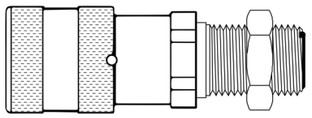
Quick Release Couplings
TRUFLOW HYDRAULIC HOSE AND FITTINGS

FIRG-F-JIC — Flat Face Female Coupling x JIC Male Bulkhead



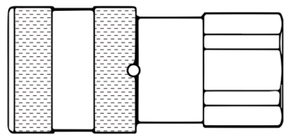
Part #	Body	JIC M
F-A-13D-5/8-JIC-BH	1/2	7/8
F-A-13-3/4-JIC-BH	1/2	1 1/16

FIRG-F-ORFS — Flat Face Female Coupling x ORFS Male Bulkhead



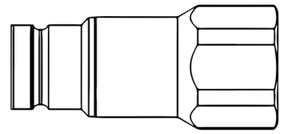
Part #	Body	ORFS M
F-A-13D-5/8-ORFS-BH	1/2	1
M-A-13-58-ORFS-BH	1/2	1
F-A-13D-1-ORFS-BH	1/2	1 7/16
M-A-13-1-ORFS-BH	1/2	1 7/16

FIRG-F-SAE — Flat Face Female Coupling x UNO Female



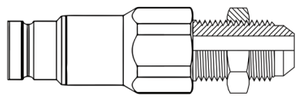
Part #	Body	UNO F
F-FIRG-14-3/8-SAE	1/4	9/16
F-FIRG-38-1/2-SAE	3/8	3/4
F-FIRG-34-SAE	1/2	1 1/16
F-FIRG-34-B-SAE	5/8	1 1/16
F-FIRG-34-A-SAE	3/4	1 1/16
F-FIRG-100-SAE	3/4	1 5/16

FIRG-M-BSP — Flat Face Female Coupling x BSPP Female



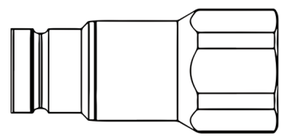
Part #	Body	BSPP F
M-FIRG-14-BSP	1/4	1/4
M-FIRG-38-BSP	3/8	3/8
M-FIRG-12-BSP	3/8	1/2
M-FIRG-12-A-BSP	1/2	1/2
M-FIRG-12-A-BSP-PE	1/2	1/2
M-FIRG-34-BSP	1/2	3/4
M-FIRG-34-B-BSP	5/8	3/4
M-FIRG-34-B-BSP-PE	5/8	3/4
M-A-17-34-BSP	3/4	3/4
M-FIRG-34-A-BSP	3/4	3/4
M-FIRG-100-BSP-PE	3/4	1
M-FIRG-100-BSP	3/4	1
M-A-21-1IN-BSP	1	1
M-FIRG-114-BSP	1	1 1/4
M-FIRG-112-BSP	1 1/2	1 1/2
M-FIRG-200-BSP	2	2

FIRG-M-JIC — Flat Face Male x JIC Male Bulkhead



Part #	Body	JIC BH
M-A-13-5/8-JIC-BH	B/2	7/8
M-A-13-3/4-JIC-BH	1/2	1 1/16

FIRG-M-SAE — Flat Face Male Coupling x UNO Female

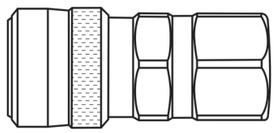


Part #	Body	UNO F
M-FIRG-14-3/8-SAE	1/4	9/16
M-FIRG-38-1/2-SAE	3/8	3/4
M-FIRG-12-A-58-SAE	1/2	7/8
M-FIRG-34-SAE	1/2	1 1/16
M-FIRG-34-B-SAE	5/8	1 1/16
M-FIRG-100-SAE	3/4	1 5/16

Quick Release Couplings

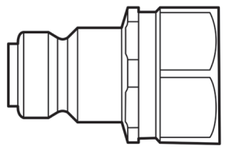
UHP (Ultra High Pressure)

UHP116-F-NPT — **UHP 116 Series Female Coupling x NPT Female**



Part #	Body	NPT F
10-116-1402	1/4	1/4
10-116-1419	1/4	1/4

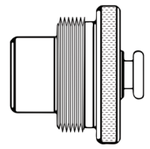
UHP116-M-NPT — **UHP 116 Series Female Coupling x NPT Female**



Part #	Body	NPT F
10-116-6402	1/4	1/4

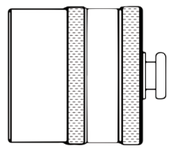
Jacking

HPA-F-PLUG — **Plug to suits 10,000 PSI Jacking Female Coupling - Aluminium with chain**



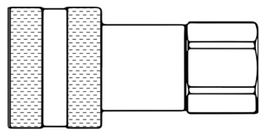
Part #	Body
F-HPA-14-NPT-Plug	1/4
F-HPA-38-NPT-Plug	3/8

HPA-M-CAP — **Cap to Suit 10,000 PSI Jacking Female Coupling - Aluminium with chain**



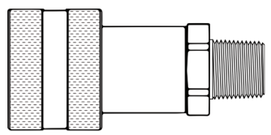
Part #	Body
M-HPA-14-NPT-Cap	1/4
M-HPA-38-NPT-Cap	3/8

HPA-F-NPTF — **10,000 PSI Jacking Female Coupling x NPT Female**



Part #	Body	NPT F
F-HPA-14-NPT-F	1/4	1/4
F-HPA-38-NPT-F	3/8	3/8

HPA-F-NPTM — **10,000 PSI Jacking Female Coupling x NPT Male**

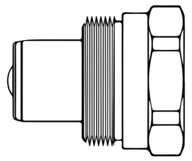


Part #	Body	NPT M
F-HPA-18-NPT	1/8	1/8
F-HPA-14-NPT	1/4	1/4
F-HPA-38-NPT	3/8	3/8

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Quick Release Couplings

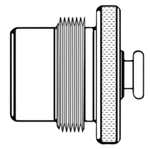
HPA-M-NPTM — 10,000 PSI Jacking Male Nipple x NPT Male



Part #	Body	NPT M
M-HPA-18-NPT	1/8	1/8
M-HPA-38-NPT-M	3/8	3/8

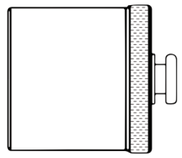
BSB (Wing Nut) (Brass)

BSB-F-PLUG — Plug to suit BSB Brass Wing Nut Female Coupling With Chain



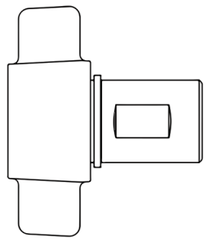
Part #	Body
PLUG-BSB-34	3/4
PLUG-BSB-100	1
PLUG-BSB-114	1 1/4

BSB-M-CAP — Cap to suit BSB Brass Wing Nut Male Nipple With Chain



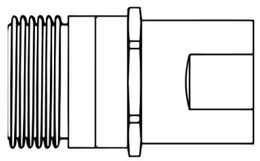
Part #	Body
CAP-BSB-34	3/4
CAP-BSB-100	1
CAP-BSB-114	1 1/4

BSB-F-NPT — BSB Brass Wing Nut Female Coupling x NPT Female



Part #	Body	NPT F
F-BSB-34-NPT	3/4	3/4
F-BSB-100-NPT	1	1
F-BSB-114-NPT	1 1/4	1 1/4

BSB-M-NPT — BSB Brass Wing Nut Male Nipple x NPT Female



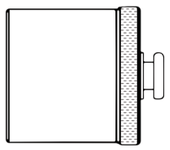
Part #	Body	NPT F
M-BSB-34-NPT	3/4	3/4
M-BSB-100-NPT	1	1
M-BSB-114-NPT	1 1/4	1 1/4

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Quick Release Couplings

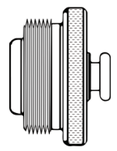
VD Screw Together

VD-F-CAP — Cap to suit ISO 14541 VD Female Screw Coupling - Aluminium



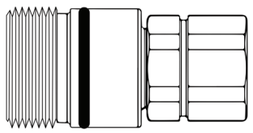
Part #	Body
F-VD-12-CAP	1/2
F-VD-34-CAP	3/4
F-VD-100-CAP	1
F-VD-114-CAP	1 1/4

VD-M-PLUG — Plug to suit ISO 14541 VD Male Screw Nipple - Aluminium



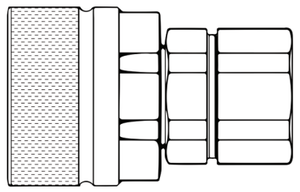
Part #	Body
M-VD-12-PLUG	1/2
M-VD-100-PLUG	1
M-VD-34-PLUG	3/4
M-VD-114-PLUG	1 1/4

VD-F-BSP — ISO 14541 VD Female Screw Coupling x BSPP Female



Part #	Body	BSPP F
F-VD-12-BSP	1/2	1/2
F-VD-34-BSP	3/4	3/4
F-VD-100-34BSP	1	3/4
F-VD-100-BSP	1	1
F-VD-114-BSP	1 1/4	1 1/4

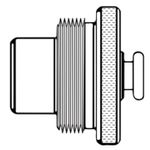
VD-M-BSP — ISO 14541 VD Male Screw Nipple x BSPP Female



Part #	Body	BSPP F
M-VD-12-BSP	1/2	1/2
M-VD-100-BSP	1	1
M-VD-34-BSP	3/4	3/4
M-VD-114-BSP	1 1/4	1 1/4

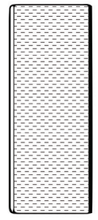
VV Screw Together

VV-F-PLUG — Plug to suit IRV (VV) Screw Together Female Coupling - Aluminium



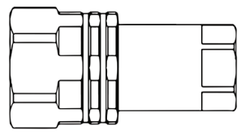
Part #	Body
F-VV-14-PLUG-AL	1/4
F-VV-38-PLUG-AL	3/8
F-VV-12-PLUG-AL	1/2
F-VV-34-PLUG-AL	3/4
F-VV-100-PLUG-AL	1

VV-M-CAP — Cap to suit IRV (VV) Screw Together Male Nipple - Aluminium



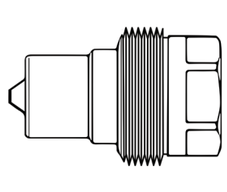
Part #	Body
M-VV-14-CAP-AL	1/4
M-VV-38-CAP-AL	3/8
M-VV-12-CAP-AL	1/2
M-VV-34-CAP-AL	3/4
M-VV-100-CAP-AL	1

VV-F-BSP — IRV (VV) Screw Together Female Coupling x BSPP Female



Part #	Body	BSPP F
F-VV-14-BSP	1/4	1/4
F-VV-38-BSP	3/8	3/8
F-VV-12-BSP	1/2	1/2
F-VV-34-BSP	3/4	3/4
F-VV-100-BSP	1	1

VV-M-BSP — IRV (VV) Screw Together Male Nipple x BSPP Female



Part #	Body	BSPP F
M-VV-14-BSP	1/4	1/4
M-VV-38-BSP	3/8	3/8
M-VV-12-BSP	1/2	1/2
M-VV-34-BSP	3/4	3/4
M-VV-100-BSP	1	1

Rock Breaker Couplings

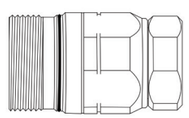
TLX-M-CAP — TLX DUST CAP TO SUIT FEMALE COUPLING

Part #	Body
10-507-1000	1/2
10-607-1000	3/4
10-707-1000	1
10-807-1000	1 1/4
CAP-TLX-20	1 1/4
10-907-1000	1 1/2

TLX-F-PLUG — TLX DUST PLUG TO SUIT MALE NIPPLE

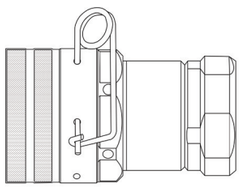
Part #	Body
10-507-1050	1/2
10-607-1050	3/4
10-707-1050	1
10-807-1050	1 1/4
PLUG-TLX-20	1 1/4
10-907-1050	1 1/2

TLX-F-BSP — TLX COUPLING x BSPP Female



Part #	Body	BSPP F
10-507-1205	1/2	1/2
10-607-1301	3/4	3/4
10-707-1203	1	1
10-807-1204	1 1/4	1 1/4
10-907-1205	1 1/2	1 1/2

TLX-M-BSP — TLX NIPPLE x BSPP Female



Part #	Body	BSPP F
10-507-6205	1/2	1/2
10-607-6301	3/4	3/4
10-707-6203	1	1
10-807-6204	1 1/4	1 1/4
10-907-6205	1 1/2	1 1/2

E - Diagnostics

Contents

CAT Test E2
Komatsu Test E3
Test 20 . . . . . E5
Test Hose and Fittings E8
In Line Test Ports E11
Gauge Adaptors E12
Gauges E13

Diagnostics

CAT Test

CT-F-NTPF — CAT Test Point Female Coupling x NPT Female

Part #	Body	NPT F
CAT-F14-F14NPT	CAT Test	1/4

CT-M-NPTF — CAT Test Point Male Nipple x NPT Male

Part #	Body	NPT M
CAT-M14-F14NPT	CAT Test	1/4

CT-M-NPTM — CAT Test Point Male Nipple x NPT Male

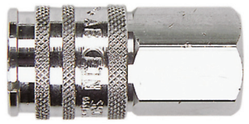
Part #	Body	NPT M
CAT-M14-M14NPT	CAT Test	1/4
CAT-M14-M38NPT	CAT Test	3/8

CT-M-SAEM — CAT Test Point Male Nipple x UNO Male

Part #	Body	NPT M
CAT-M14-M14SAE	CAT Test	7/16
CAT-M14-M38SAE	CAT Test	9/16

Komatsu Test

KOM358-F-BSPF — Komatsu Test Female Coupling x BSPP Female



Part #	Body	BSPP F
10-358-0202	KOM	1/4

KOM358-F-BSPF-90 — Komatsu Test Female Coupling x BSPP Female 90 Degree

Part #	Body	BSPP F
10-358-0232	KOM	1/4

KOM358-F-NPTF — Komatsu Test Female Coupling x NPT Female

Part #	Body	NPT F
10-358-0402	KOM	1/4

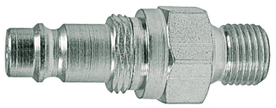
KOM358-F-NPTF-90 — Komatsu Test Female Coupling x NPT Female 90 Degree

Part #	Body	BSPP F
10-358-0432	KOM	1/4

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

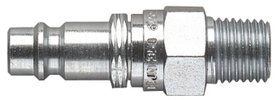
Diagnostics

KOM358-M-BSPPM — Komatsu Test Male Nipple x BSPT Male



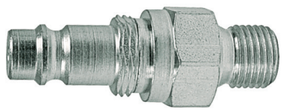
Part #	Body	BSPP M
10-358-6251	KOM	1/8
10-358-6282	KOM	1/4
10-358-6254	KOM	3/8

KOM358-M-BSPTM — Komatsu Test Male Nipple x BSPT Male



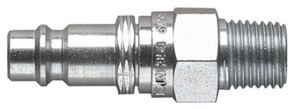
Part #	Body	BSPT M
10-358-6151	KOM	1/8
10-358-6152	KOM	1/4
10-358-6154	KOM	3/8

KOM358-M-METM — Komatsu Test Male Nipple x Metric Stud Male



Part #	Body	Metric M
10-358-6551	KOM	10X1.25
10-358-6552	KOM	12X1.5
10-358-6554	KOM	14X1.5

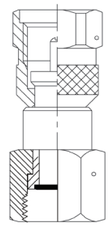
KOM358-M-NPTM — Komatsu Test Male Nipple x NPT Male



Part #	Body	NPT M
10-358-6451	KOM	1/8
10-358-6452	KOM	1/4

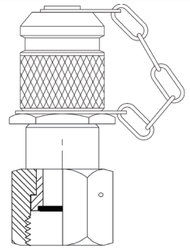
Test 20

T20-F-BSPFG — Test 20 Female x BSP Female Gauge Adaptor



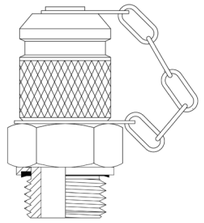
Part #	Body	BSPP F
19-359-1608	T20	1/4
19-359-1609	T20	1/2

T20-M-BSPPF — Test 20 Male Nipple x BSPP Female Gauge Adaptor



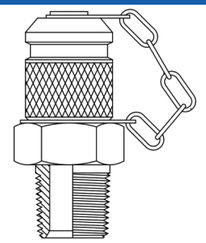
Part #	Body	NPT F
19-359-1600	T20	1/4

T20-M-BSPPM — Test 20 Male Nipple x BSPP Male



Part #	Body	BSPT M
10-359-1252	T20	1/8
10-359-1253	T20	1/4
10-359-1254	T20	3/8

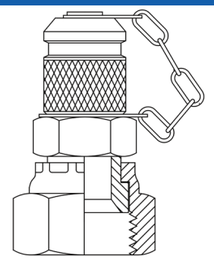
T20-M-BSPTM — Test 20 Male Nipple x BSPT Male



Part #	Body	BSPT M
10-359-1150	T20	1/8
10-359-1151	T20	1/4
10-359-1152	T20	3/8

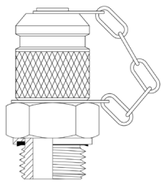
Diagnostics

T20-M-JICF — Test 20 Male Nipple x JIC Female Swivel



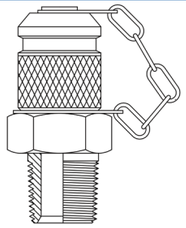
Part #	Body	JIC F Swivel
10-359-1754	T20	7/16
10-359-1756	T20	9/16
10-359-1757	T20	3/4

T20-M-METM — Test 20 Male Nipple x Metric Stud Male



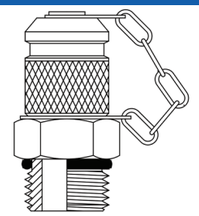
Part #	Body	Metric M
10-359-1557	T20	8X1
10-359-1558	T20	10X1
10-359-1554	T20	12X1.5
10-359-1555	T20	14X1.5
10-359-1556	T20	16X1.5

T20-M-NPTM — Test 20 Male Nipple x NPT Male



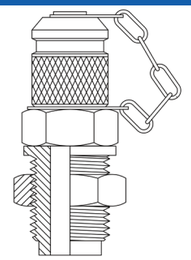
Part #	Body	NPT M
10-359-1351	T20	1/4

T20-M-SAEM — Test 20 Male Nipple x UNO Male



Part #	Body	UNO M
10-359-1750	T20	7/16
10-359-1752	T20	9/19
10-359-1753	T20	3/4

T20-M-T20 — Test 20 Male Nipple x Test 20 Male Bulkhead



Part #	Body	Male BH
10-359-1651	T20	16X2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

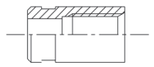
Diagnostics

Test Hose and Fittings

TEST-DN — DN2 Test Hose

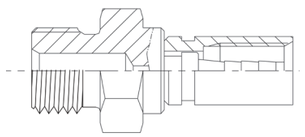
Part #	Hose ID
TEST-DN2	2mm

TCN — DN2 Test Hose Ferrule



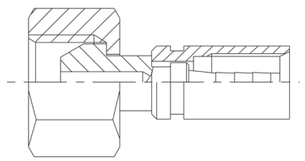
Part #	Suit Hose
TCN-DN2	TEST-DN2

TCBPM — BSPP Male x DN2 Test Hose Tail



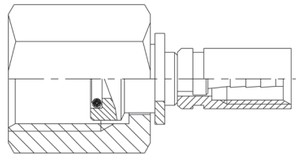
Part #	BSP
TCBPM-02-DN2	1/8
TCBPM-04-DN2	1/4

TCBFS — BSPP Female Swivel x DN2 Test Hose Tail



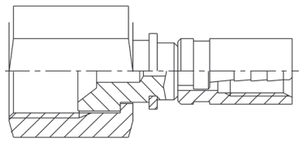
Part #	BSP
TCBFS-04-DN2	1/4

TCBPGFS — BSP Female Gauge Adaptor x DN2 Test Hose Tail



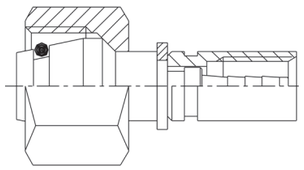
Part #	BSP F
TCBPGFS-04-DN2	1/4
TCBPGFS-08-DN2	1/2

TCJFS — JIC Female Swivel x DN2 Test Hose Tail



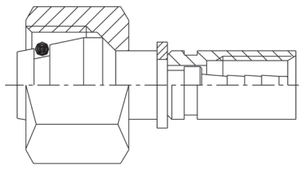
Part #	JIC
TCJFS-04-DN2	7/16
TCJFS-06-DN2	9/16

TCMLFS — Metric Light Female Swivel x DN2 Test Hose Tail



Part #	METRIC
TCMLFS-12M-DN2	M12 x 1.5
TCMLFS-14M-DN2	M14 x 1.5
TCMLFS-16M-DN2	M16 x 1.5

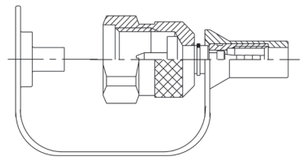
TCMHFS — Metric Heavy Female Swivel x DN2 Test Hose Tail



Part #	METRIC
TCMHFS-14M-DN2	M14 x 1.5
TCMHFS-16M-DN2	M16 x 1.5

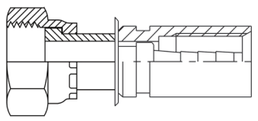
Diagnostics

TCTEST — Test x DN2 Test Hose Tail



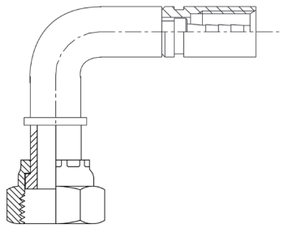
Part #	METRIC
TCTEST20FS-16X2-DN2	TEST 20 (M16 x 2)
TCTEST15FS-16X1.5-DN2	TEST 15 (M16 x 1.5)

TCORSFS — ORFS Female Swivel x DN2 Test Hose Tail



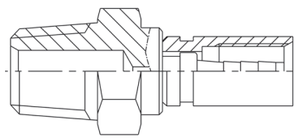
Part #	ORFS
TCORSFS-04-DN2	9/16

TCORSFS90S — ORFS Female Swivel x DN2 Test Hose Tail



Part #	ORFS
TCORSFS90S-04-DN2	9/16

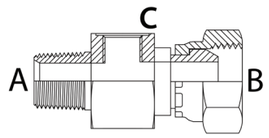
TCNM — NPT Male x DN2 Test Hose Tail



Part #	NPT
TCNM-02-DN2	1/8
TCNM-04-DN2	1/4

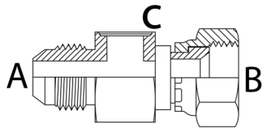
In Line Test Ports

B1MFS-TP — BSPT Male X BSPP Female Swivel X BSPP Test Port



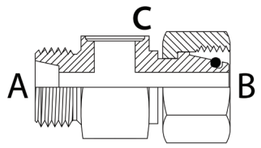
Part #	BPST M	BSPP F	BSPP F
B1MFS-04-04TP	1/4	1/4	1/8
B1MFS-06-06TP	3/8	3/8	1/8
B1MFS-08-08TP	1/2	1/2	1/8
B1MFS-12-12TP	3/4	3/4	1/8
B1MFS-16-16TP	1	1	1/8

J1MFS-TP — JIC Male X JIC Female Swivel X BSPP Female Test Port



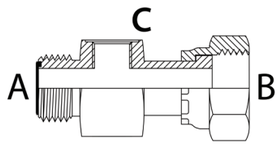
Part #	JIC F	JIC M	BSPP F
J1MFS-04-04TP	7/16	7/16	1/8
J1MFS-06-06TP	9/16	9/16	1/8
J1MFS-08-08TP	3/4	3/4	1/8
J1MFS-10-10TP	7/8	7/8	1/8
J1MFS-12-12TP	1 1/16	1 1/16	1/8
J1MFS-16-16TP	1 5/16	1 5/16	1/8
J1MFS-20-20TP	1 5/8	1 5/8	1/8

ML1MFS-TP — Metric Light Male X Metric Light Female Swivel x BSPP Female Test Port



Part #	Metric M	Metric F	BSPP F
ML1MFS-22M-22MTP	M22X1.5	M22X1.5	1/8
ML1MFS-26M-26MTP	M26X1.5	M26X1.5	1/8

ORS1MFS-TP — ORFS Male X ORFS Female Swivel x BSPP Female Test Port

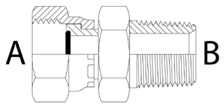


Part #	ORFS M	ORFS F	BSPP F
ORS1MFS-04-04TP	9/16	9/16	1/8
ORS1MFS-06-06TP	11/16	11/16	1/8
ORS1MFS-08-08TP	13/16	13/16	1/8
ORS1MFS-10-10TP	1	1	1/8
ORS1MFS-12-12TP	1 3/16	1 3/16	1/8
ORS1MFS-16-16TP	1 7/16	1 7/16	1/8

Diagnostics

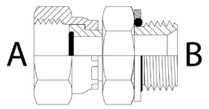
Gauge Adaptors

BPGB1FSM — BSPP Gauge FS X BSPT Male



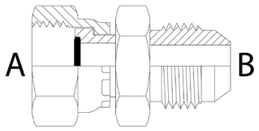
Part #	BSPP F	BSPT M
BPGB1FSM-04-04	1/4	1/4
BPGB1FSM-08-04	1/2	1/4

BPGBP1FSM — BSPP Gauge Female Sw X BSPP Male



Part #	BSPP F	BSPP M
BPGBP1FSM-04-04	1/4	1/4
BPGBP1FSM-04-06	1/4	3/8
BPGBP1FSM-08-08	1/2	1/2

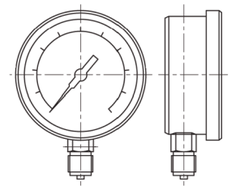
BPGJ1FSM — BSPP Gauge FemaleSw X JIC Male



Part #	BSPP F	JIC M
BPGJ1FSM-04-04	1/4	7/16
BPGJ1FSM-04-06	1/4	9/16
BPGJ1FSM-08-04	1/2	7/16
BPGJ1FSM-08-06	1/2	9/16

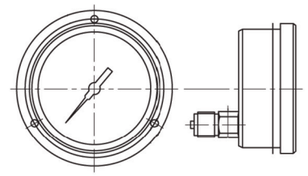
Gauges

PG063BE — Pressure Gauge - 63mm Bottom Entry



Part #	Port	Pressure Range
PG-63-6B-B	1/4 BSP	0 - 6BAR / 87PSI
PG-63-10B-B	1/4 BSP	0 - 10 BAR / 145PSI
PG-63-16B-B	1/4 BSP	0 - 16BAR / 230PSI
PG-63-25B-B	1/4 BSP	0 - 25BAR / 360PSI
PG-63-40B-B	1/4 BSP	0 - 40BAR / 580PSI
PG-63-60B-B	1/4 BSP	0 - 60BAR / 870PSI
PG-63-100B-B	1/4 BSP	0 - 100BAR / 145PSI
PG-63-160B-B	1/4 BSP	0 - 160BAR / 2300PSI
PG-63-250B-B	1/4 BSP	0 - 250BAR / 3600PSI
PG-63-400B-B	1/4 BSP	0 - 400BAR / 5800PSI

PG063RE — Pressure Gauge - 63mm Rear Entry



Part #	Port	Pressure Range
PG-63-10B-R	1/4	0 - 10 BAR / 145PSI
PG-63-16B-R	1/4	0 - 16BAR / 230PSI
PG-63-25B-R	1/4 BSP	0 - 25BAR / 360PSI
PG-63-40B-R	1/4	0 - 40BAR / 580PSI
PG-63-60B-R	1/4	0 - 60BAR / 870PSI
PG-63-100B-R	1/4	0 - 100BAR / 145PSI
PG-63-250B-R	1/4	0 - 250BAR / 3600PSI
PG-63-400B-R	1/4	0 - 400BAR / 5800PSI
PG-63-R-BRACKET		
PG-63-R-FLANGE		

SGAU — Sight Gauge

Part #	BSP
SG-08	1/2
SG-12	3/4
SG-16	1

F - Valves

Contents

High Pressure Ball Valves. F2
High Pressure Needle Valves F3
High Pressure Check Valves F4
Low Pressure Ball Valves F5
Brass Check Valves F6

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Valves

High Pressure Ball Valves

BV — High Pressure Ball Valve

Part #	BSP F
BV-04	1/4
BV-06	3/8
BV-08	1/2
BV-12	3/4
BV-16	1
BV-20	1 1/4
BV-24	1 1/2
BV-32	2

BV3L — 3 Way High Pressure Ball Valve - L Port

Part #	BSP F
BV3-04	1/4
BV3-06	3/8
BV3-08	1/2
BV3-12	3/4
BV3-16	1
BV3-20	1 1/4
BV3-24	1 1/2
BV3-32	2

High Pressure Needle Valves

SCV — Needle Valve - Checked

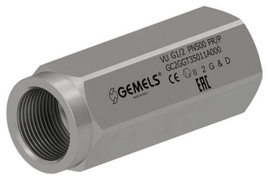
Part #	BPS F
SCV-04	1/4
SCV-06	3/8
SCV-08	1/2
SCV-12	3/4
SCV-16	1

FCV — Needle Valve - Unchecked

Part #	BSP F
FCV-04	1/4
FCV-06	3/8
FCV-08	1/2
FCV-12	3/4
FCV-16	1
FCV-20	1 1/4

High Pressure Check Valves

CHV — **High Pressure Check Valve**



Part #	BSP F
CHV-04	1/4
CHV-06	3/8
CHV-08	1/2
CHV-12	3/4
CHV-16	1
CHV-20	1 1/4

Low Pressure Ball Valves

BV-LP — **Low Pressure Ball Valve**

Part #	BSP F
BV-04LP	1/4
BV-06LP	3/8
BV-08LP	1/2
BV-12LP	3/4
BV-16LP	1
BV-20LP	1 1/4
BV-24LP	1 1/2
BV-32LP	2

BV-LP-M-FF — **Low Pressure Mini Ball Valve FxF**

Part #	BSP F
BV-M-04LP	1/4
BV-M-06LP	3/8
BV-M-08LP	1/2

BV-LP-M-MF — **Low Pressure Mini Ball Valve MxF**

Part #	BSP M	BSP F
BV-M-MF-02LP	1/8	1/8
BV-M-MF-04LP	1/4	1/4
BV-M-MF-06LP	3/8	3/8
BV-M-MF-12LP	3/4	3/4

Brass Check Valves

CHV-B — **Low Pressure Brass Check Valve**

Part #	BSP F
CHV-04B	1/4
CHV-06B	3/8
CHV-08B	1/2
CHV-12B	3/4
CHV-16B	1
CHV-20B	1 1/4
CHV-24B	1 1/4
CHV-32B	2

G - Grease

Contents

Grease Nipples G2

Compression Fittings G3

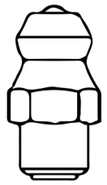
Grease Hose G5

Grease Tails G6

Grease

Grease Nipples

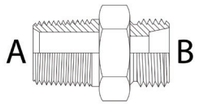
GN — **Straight Grease Nipples**



Part #	Thread	Size
GN-04BSF	BSF	1/4
GN-05BSF	BSF	5/16
GN-04BSP	BSP	1/4
GN-10M	Metric	M10 x 1
GN-02NPT	NPT	1/8
GN-04UNF	UNO	1/4
GNL15/16-04UNF	UNO	1/4

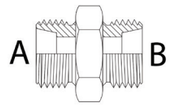
Compression Fittings

GBML1M — **BSPT Male X Metric Light (LL) Male**



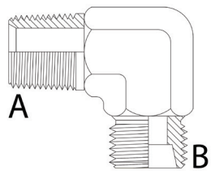
Part #	BSPT M	Metric M
GBML1M-02-10M	1/8	M10X1.0

GML1M — **Metric Light (LL) Male Joiner**



Part #	Metric M	Metric M
GML1M-10M-10M	M10X1.5	M10X1.0

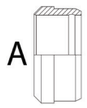
GBML9M — **BSPT Male X Metric Light (LL) Male 90°**



Part #	BSPT M	Metric M
GBML9M-02-10M	1/8	M10X1.5

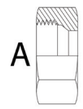
Grease

GMLF — Metric Cutting Sleeve (LL) (Grease)



Part #	Metric	Tube
GMLF-10M	M10X1.5	6mm (LL)

GMLN — Metric Tube Nut (LL) (Grease)



Part #	Metric	Tube
GMLN-10M	M10X1.5	6mm (LL)

Grease Hose

Grease Hose — 8.6mm Grease Hose

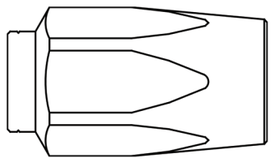
Part #	
GE-03	Empty
GF-03	Full

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Grease

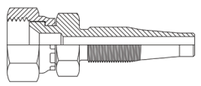
Grease Tails

GFAN — GREASE Ferrule SUIT



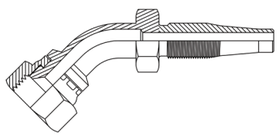
Part #	Hose OD
GFAN-03	8.6mm

GFAJFS — JIC FEMALE SWIVEL X GREASE STRAIGHT



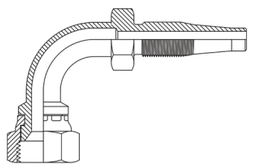
Part #	JIC F	Hose OD
GFAJFS-04-03	7/16	8.6mm

GFAJFS45S — JIC FEMALE SWIVEL X GREASE SWETP 45°



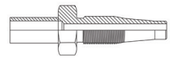
Part #	JIC F	Hose OD
GFAJFS45S-04-03	7/16	8.6mm

GFAJFS90S — JIC FEMALE SWIVEL X GREASE SWETP 90°



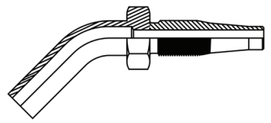
Part #	JIC F	Hose OD
GFAJFS90S-04-03	7/16	8.6mm

GFAMSP — METRIC STAND PIPE X GREASE STRAIGHT



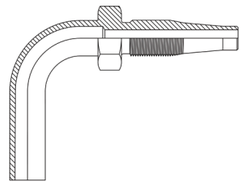
Part #	Tube	Hose OD
GFAMSPL-10M-03	6mm	8.6mm
GFAMSP-10M-03	6mm	8.6mm

GFAMSP4 — METRIC STAND PIPE X GREASE SWETP 45°



Part #	Tube	Hose OD
GFAMSP4-10M-03	6mm	8.6mm

GFAMSP9 — METRIC STAND PIPE X GREASE SWETP 90°



Part #	Tube	Hose OD
GFAMSP9-10M-03	6mm	8.6mm
GFAMSP9L-10M-03	6mm	8.6mm

H - Accessories

Contents

Hose Protection H2
Clamps H4
Seals. H10
Plastic Covers H13
Tube H15
Oil H16

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Accessories

Hose Protection

HP — Hose Protection Wrap - Black

Part #	Hose OD min	Hose OD max	Box QTY
HP-09	7	10	20m
HP-12	9	12	20m
HP-16	12	17	20m
HP-20	16	22	20m
HP-25	22	28	20m
HP-32	27	33	20m
HP-40	32	42	20m
HP-50	42	55	20m
HP-63	52	65	20m
HP-75	65	80	20m
HP-90	80	150	20m
HP-110	110	150	10m

Also available in Blue, Green, Orange, Red, White Yellow and NG (Night Glow). To order add color to above part number IE HP-25-BLUE

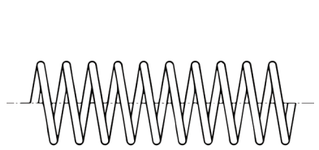
TFBB — Burst Buster Sleeve

Part #	Flat Width mm	Sleve ID mm
TFBB-18	32	18
TFBB-23	40	23
TFBB-29	50	29
TFBB-36	61	36
TFBB-40	67	40
TFBB-45	75	45
TFBB-56	92	56
TFBB-63	103	63
TFBB-71	116	71
TFBB-110	177	110

HP-FRS — Hose Protection Fire Sleeve - Red

Part #	Min	Max
HP-FSR-10	8	12
HP-FSR-15	12	15
HP-FSR-20	16	22
HP-FSR-25	22	27
HP-FSR-32	27	33
HP-FSR-40	32	42
HP-FSR-50	40	55
HP-FSR-65	52	65
HP-FSR-75	65	75
HP-FSR-90	75	90
HP-FSR-100	80	100

SPG — Spring Guard



Part #	Spring ID mm
SPG-17	16
SPG-21	21
SPG-23	23
SPG-27	27
SPG-31	30
SPG-34	34
SPG-41	39
SPG-49	49

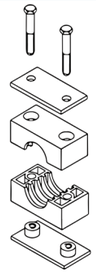
HS — Hose Straps

Part #	Length mm
HS-400	400
HS-600	600
HS-800	800
HS-1000	1000
HS-1500	1500

Accessories

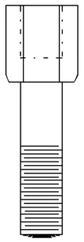
Clamps

CLLS — Light Duty Single Tube Clamps



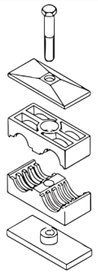
Part #	Clamp ID
CL-L-S-06M	6mm
CL-L-S-04	1/4" (6.35mm)
CL-L-S-08M	8mm
CL-L-S-06	3/8" (9.53)
CL-L-S-10M	10mm
CL-L-S-12M	12mm
CL-L-S-08	12.7mm
CL-L-S-14M	14mm
CL-L-S-15M	15mm
CL-L-S-10	5/8" (15.875mm)
CL-L-S-18M	18mm
CL-L-S-12	3/4" (19.05mm)
CL-L-S-20M	20mm
CL-L-S-14	7/8" (22.225mm)
CL-L-S-16	1" (25.4mm)
CL-L-S-27M	27mm
CL-L-S-28M	28mm
CL-L-S-30M	30mm
CL-L-S-20	1 1/4" (31.75mm)
CL-L-S-35M	35mm
CL-L-S-24	1 1/2" (38.1mm)
CL-L-S-42M	42mm
CL-L-S-45M	45mm
CL-L-S-48M	48mm
CL-L-S-32	2" (50.8mm)
CL-L-S-60M	60mm
CL-L-S-65M	65mm
CL-L-S-76M	76mm
CL-L-S-89M	89mm
CL-L-S-102M	102mm

CLLS-STB — Light Duty Single Tube Clamps - Stacking Bolts



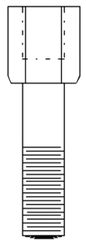
Part #	Suits
CL-L-S-STB1	-04,-06,-06M,-08M,-10M,-12M
CL-L-S-STB2	-08,-10,13.5M,14M,15M,17.1M,18M
CL-L-S-STB3	-12,-10,-16,-20M,-21.3M,23M,25M
CL-L-S-STB4	-26.6M , -28M , -30M
CL-L-S-STB5	-20,-24,-33.7M,-35M,-40M,-42M

CLLT — Light Duty Twin Tube Clamps



Part #	Clamp ID mm
CL-L-T-06M	6mm
CL-L-T-04	1/4" (6.35mm)
CL-L-T-08M	8mm
CL-L-T-06	3/8" (9.53mm)
CL-L-T-10M	10mm
CL-L-T-12M	12mm
CL-L-T-08	1/2" (12.7mm)
CL-L-T-14M	14mm
CL-L-T-15M	15mm
CL-L-T-10	5/8" (15.875mm)
CL-L-T-18M	18mm
CL-L-T-12	3/4" (19.05mm)
CL-L-T-20M	20mm
CL-L-T-14	7/8" (22.225mm)
CL-L-T-16	1" (25.4mm)
CL-L-T-28M	28mm
CL-L-T-30M	30mm
CL-L-T-20	1 1/4" (31.75mm)
CL-L-T-35M	35mm
CL-L-T-24	1 1/2 (38.1mm)
CL-L-T-42M	42mm

CLLT-STB — Light Duty Twin Tube Clamps - Stacking Bolts

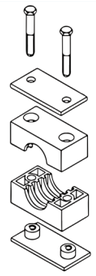


Part #	Suits
CL-L-T-STB1	-04,-06,-06M,-08M,-10M,-12M
CL-L-T-STB2	-08,-10,13.5M,14M,15M,17.1M,18M
CL-L-T-STB3	-12,-10,-16,-20M,-21.3M,23M,25M
CL-L-T-STB4	-26.6M , -28M , -30M
CL-L-T-STB5	-20,-24,-33.7M,-35M,-40M,-42M
CL-L-T-STP2	Stack Plate to suit Twin Clamps -08 Thru -42

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

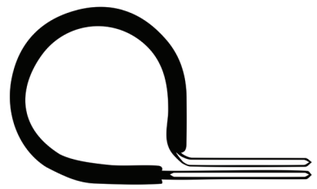
Accessories

CLHS — Heavy Duty Single Tube Clamps



Part #	Clamp ID mm
CL-H-S-10	5/8" (15.875mm)
CL-H-S-12	3/4" (19.05mm)
CL-H-S-16	1" (25.4mm)
CL-H-S-20	1 1/4" (31.75mm)
CL-H-S-24	1 1/2" (38.1mm)
CL-H-S-42M	42mm
CL-H-S-48M	48mm
CL-H-S-32	2" (50.8mm)
CL-H-S-60M	60mm
CL-H-S-64M	64mm
CL-H-S-89M	89mm
CL-H-S-127M	127mm

PCLAMP — P-Clamps



Part #	Clamp ID mm	Bolt Hole mm
HC-06	6.34	10
HC-10	9.525	10
HC-11	11.13	10
HC-13	12.7	10
HC-14	14.28	10
HC-16	15.88	10
HC-18	17.48	10
HC-19	19.05	10
HC-21	20.63	10
HC-24	23.84	10
HC-25	25.4	10
HC-27	26.98	10
HC-29	28.58	10
HC-30	30.18	10
HC-32	31.75	10
HC-33	33.33	13
HC-38	38.1	13
HC-40	39.48	13
HC-45	44.45	13
HC-46	45.97	13
HC-51	50.8	13
HC-52	52.33	13
HC-57	57.15	13
HC-64	63.5	13
HC-67	66.8	13
HC-70	69.85	13
HC-73	73.09	13
HC-91	90.43	13

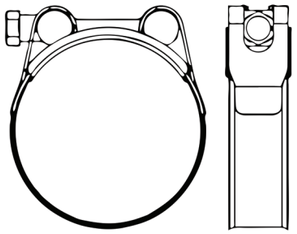
A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Accessories

TRUFLOW HYDRAULIC HOSE AND FITTINGS

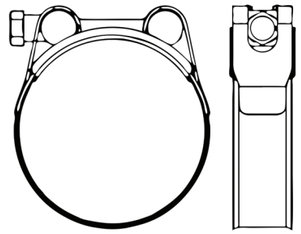
SUPER-CLAMP

Super Clamps (T-Bolt)



Part #	Min ID (mm)	Max ID (mm)
TFSC-2325	23	25
TFSC-2628	26	28
TFSC-2931	29	31
TFSC-3235	32	35
TFSC-3639	36	39
TFSC-4043	40	43
TFSC-4447	44	47
TFSC-4851	48	51
TFSC-5255	52	55
TFSC-5659	56	59
TFSC-6063	60	63
TFSC-6467	64	67
TFSC-6873	68	73
TFSC-7479	74	79
TFSC-8085	80	85
TFSC-8691	86	91
TFSC-9297	92	97
TFSC-98103	98	103
TFSC-104112	104	112
TFSC-113121	113	121

SUPER-CLAMP-SS



Part #	Min ID (mm)	Max ID (mm)
TFSC-2325SS	23	25
TFSC-2628SS	26	28
TFSC-2931SS	29	31
TFSC-3235SS	32	35
TFSC-3639SS	36	39
TFSC-4043SS	40	43
TFSC-4447SS	44	47
TFSC-4851SS	48	51
TFSC-5255SS	52	55
TFSC-5659SS	56	59
TFSC-6063SS	60	63
TFSC-6467SS	64	67
TFSC-6873SS	68	73
TFSC-7479SS	74	79
TFSC-8085SS	80	85
TFSC-8691SS	86	91
TFSC-9297SS	92	97
TFSC-104112SS	104	112
TFSC-113121SS	113	121

A Hydraulic Hose
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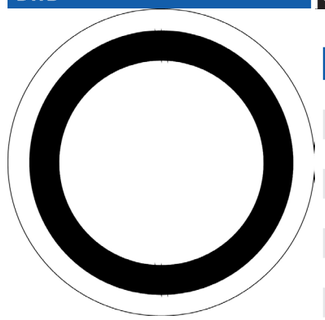
G Grease
H Accessories

Accessories

Seals

DWB — BSP Bonded Washer

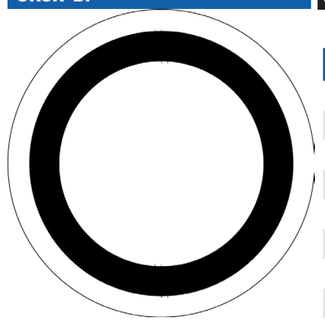


Part #	BSP
DWB-02	1/8
DWB-04	1/4
DWB-06	3/8
DWB-08	1/2
DWB-12	3/4
DWB-16	1
DWB-20	1 1/4
DWB-24	1 1/2
DWB-32	2

OR-BPE — BSP Encapsulated O-Rings

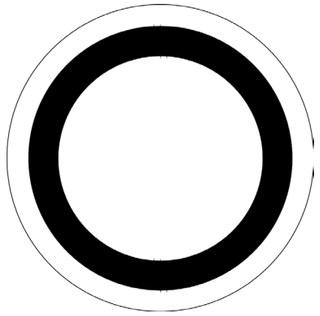
Part #	BSP
OR-BPE-02	1/8
OR-BPE-04	1/4
OR-BPE-06	3/8
OR-BPE-08	1/2
OR-BPE-12	3/4
OR-BPE-16	1

ORSR-BP — BSP O-Rings + Seal Ring



Part #	BSP
ORSR-BP-04	1/4
ORSR-BP-06	3/8
ORSR-BP-32	2
ORSR-BP-02	1/8+
ORSR-BP-20	1 1/4
ORSR-BP-16	1
ORSR-BP-12	3/4
ORSR-BP-24	1 1/2
ORSR-BP-08	1/2

DWM — Metric Bonded Washer

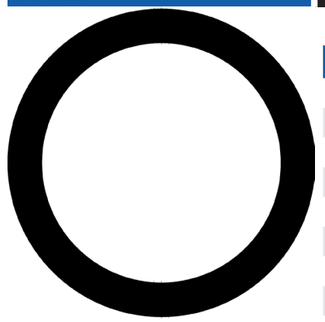


Part #	METRIC
DWM-06M	6mm
DWM-08M	8mm
DWM-10M	10mm
DWM-12M	12mm
DWM-14M	14mm
DWM-16M	16mm
DWM-18M	16mm
DWM-20M	20mm
DWM-22M	22mm
DWM-24M	24mm
DWM-26M	26mm
DWM-27M	27mm
DWM-30M	30mm
DWM-33M	33mm
DWM-36M	36mm
DWM-42M	42mm

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

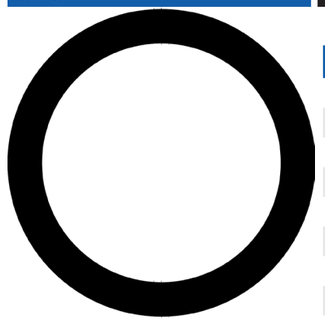
Accessories

OR-ORS — ORFS O-Rings



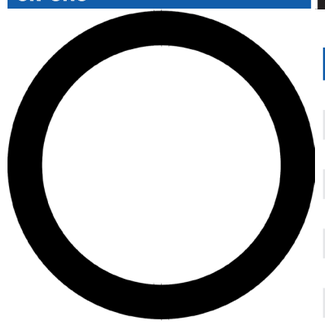
Part #	ORFS
OR-ORS-04	9/16
OR-ORS-06	11/16
OR-ORS-08	13/16
OR-ORS-10	1
OR-ORS-12	1 3/16
OR-ORS-16	1 7/16
OR-ORS-20	1 11/16
OR-ORS-24	2

OR-SF — SAE Flange O-Rings (Code 61/Code62)



Part #	SAE Code	61/62
OR-SF-08	1/2	
OR-SF-10	5/8	
OR-SF-12	3/4	
OR-SF-16	1	
OR-SF-20	1 1/4	
OR-SF-24	1 1/2	
OR-SF-32	2	
OR-SF-40	2 1/2	
OR-SF-48	3	
OR-SF-56	3 1/2	

OR-UNO — UNO O-Rings



Part #	UNO
OR-UNO-02	5/16
OR-UNO-03	3/8
OR-UNO-04	7/16
OR-UNO-05	1/2
OR-UNO-06	9/16
OR-UNO-08	3/4
OR-UNO-10	7/8
OR-UNO-12	1 1/16
OR-UNO-14	1 3/16
OR-UNO-16	1 5/16
OR-UNO-20	1 5/8
OR-UNO-24	1 7/8
OR-UNO-32	2 1/2

Plastic Covers

PBPC — BSPP Cap - Plastic Thread Protector - Screw Type

Part #	BSP
PBPC-04	1/4
PBPC-06	3/8
PBPC-08	1/2
PBPC-12	3/4
PBPC-16	1

PBP — BSPP Plug - Plastic Thread Protector - Screw Type

Part #	BSP
PBP-04	1/4
PBP-06	3/8
PBP-08	1/2
PBP-12	3/4
PBP-16	1

PJC — JIC Cap - Plastic Thread Protector - Screw Type

Part #	JIC
PJC-04	7/16
PJC-06	9/16
PJC-08	3/4
PJC-12	1 1/16
PJC-16	1 5/16
PJC-20	1 5/8
PJC-24	1 7/8
PJC-32	2 1/2

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
E Diagnostics
F Valves
G Grease
H Accessories

Accessories

PJP — JIC Plug - Plastic Thread Protector - Screw Type

Part #	JIC
PJP-04	7/16
PJP-06	9/16
PJP-08	3/4
PJP-10	7/8
PJP-12	1 1/16
PJP-16	1 5/16
PJP-20	1 5/8
PJP-24	1 7/8
PJP-32	2 1/2

Tube

TFHYD-TUBE — Zinc Plated Hydraulic Tube

Part #	Tube OD	Wall mm
TFHYD-TUBE-04-091	1/4	0.91
TFHYD-TUBE-06-163	3/8	1.63
TFHYD-TUBE-08-163	1/2	1.63
TFHYD-TUBE-10-163	5/8	1.63
TFHYD-TUBE-12-163	3/4	1.63
TFHYD-TUBE-16-163	1	1.63

A Hydraulic Hose
B Hose Fittings
C Adaptors
D Quick Release Couplings
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F Valves
G Grease
H Accessories

Oil

HYD32 — 32 Weight Oil

Part #	SIZE
TFHYD32/20	20L

HYD46 — 46 Weight Oil

Part #	SIZE
TFHYD46/20-HVI	20L
TFHYD46/20	20L

HYD68 — 68 Weight Oil

Part #	SIZE
TFHYD68/20	20L
TFHYD68/20-HVI	20L
TFHYD68/200	200L
TFHYD68/1000	1000L

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