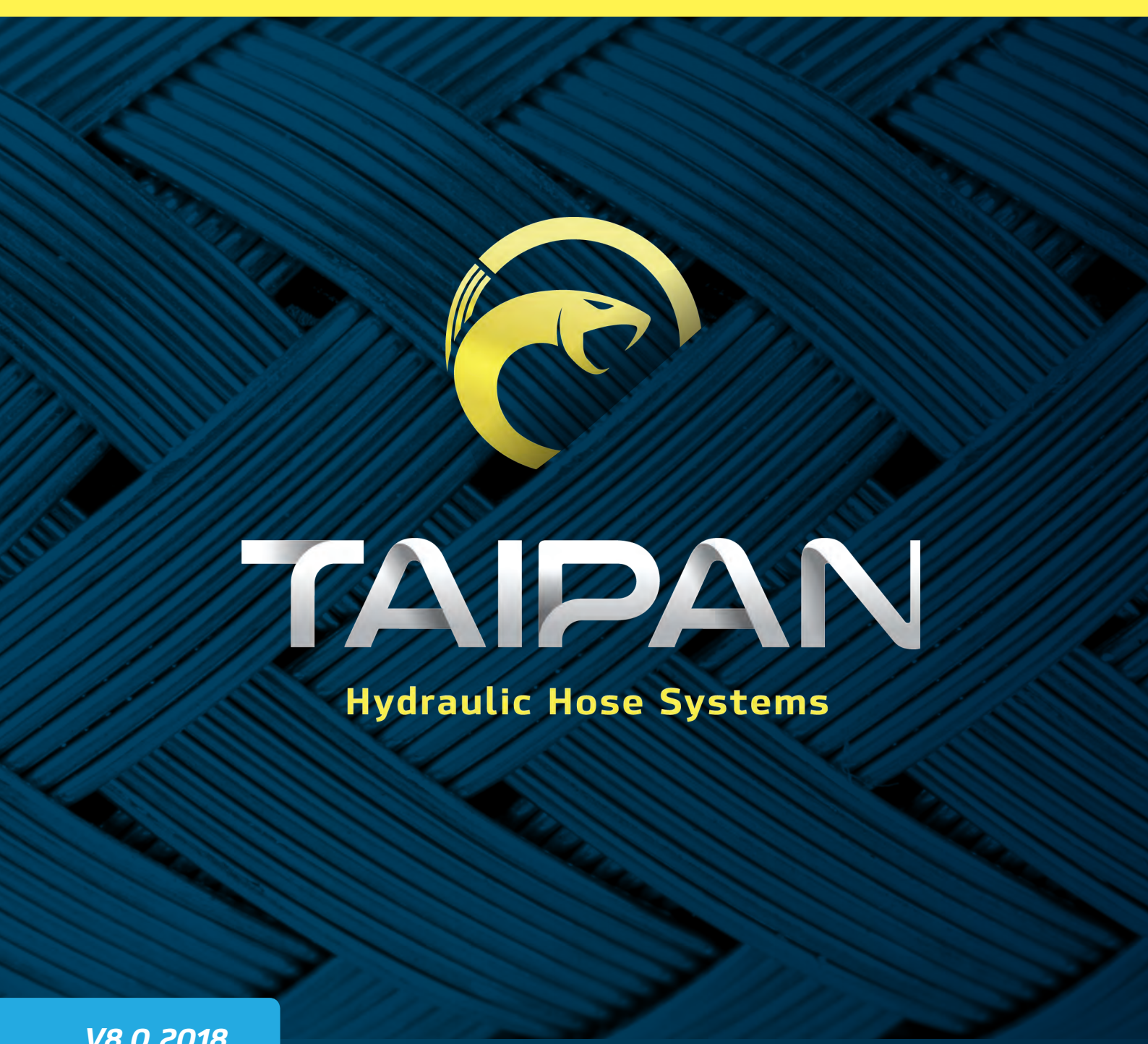

TAIPAN

Hydraulic Hose Systems

V8.0 2018

PRODUCT CATALOGUE

TRADING TERMS AND CONDITIONS

1) *Where an account has been approved, trading terms are strictly 30 days net from the end of the month. Where no account is approved, all payments must be made in full prior to taking ownership of any goods and or services provided by Taipan Pty Ltd*

2) *The title of all goods will remain the property of Taipan Pty Ltd until paid in full. Taipan Pty Ltd reserves the right to repossess any goods and or services provided if payments terms have not been met in full.*

3) *Returns for Credit Policy*

   a. No credit replacement will be issued for the return of goods unless the returns are first approved by Taipan Pty Ltd A restocking fee of 25% of the value of goods will apply to all returns, this excludes warranties and incorrectly picked parts.

   b. Freight on all returned items shall be at the expense of the customer, this excludes warranties and incorrectly picked parts. All warranties and incorrectly picked parts should be returned to Taipan Pty Ltd by a Taipan Pty Ltd nominated carrier, as such Taipan Pty Ltd should be notified before any returns are made.

   c. Non-Stock items and special buy-in items are non-returnable under all circumstances, this includes hose that has been cut to length

4) *The delivery time that has been quoted to the purchaser is an estimation of delivery time and should be used as a guide only. Taipan Pty Ltd has no control over third party courier companies and therefore is not responsible for any late deliveries. The purchaser must advise Taipan Pty Ltd of any loss or non-delivery within ten working days of dispatch. Taipan Pty Ltd is not otherwise liable for the loss, damage and or delay arising from late or non-delivery. Taipan Pty Ltd is not responsible for any damages while in transit.*

5) *No responsibility will be accepted for any defect unless a complaint is first addressed to Taipan Pty Ltd within seven (7) days of the date of delivery to the buyer and unless Taipan Pty Ltd has been given first opportunity to remedy the defect. In every case Taipan Pty Ltd is limited to replacing free of charge all or such parts of the goods that have proved defective. Liability for the consequential damage and or loss of any kind is excluded. The warranty does not extend to any product that has been modified in any way.*

6) *Taipan is a registered trademark of Taipan Pty Ltd, any names and or logos of Taipan™ may only be used with express consent from Taipan Pty Ltd.*

To View our full Terms and Conditions of sale please visit ***www.taipan.com.au***

TRADING TERMS AND CONDITIONS

All products* manufactured and or distributed by Taipan Pty Ltd carry a 12 month guarantee of replacement covering any manufacturing fault†

1) *Warranty*

   a. Providing Taipan Pty Ltd (The Company) terms of payment are complied with. The Company undertakes to remedy with reasonable dispatch, any defects arising from faulty workmanship or materials in any goods manufactured or distributed by the Company which under proper and normal conditions of use are revealed within twelve (12) months of operation from the date of delivery, provided, item(s) are returned to The Company in compliance with The Companies warranty procedure. ‡

   b. Any goods supplied or work carried out in remedying such defects shall not extend The Companies liability under this clause beyond the time stipulated in part 1a above. At the expiration of such further liability on The Companies part shall cease.

   c. The Company shall not be liable in any circumstances for consequential loss of any kind. The Company shall not be liable for any damage to anything arising from the goods or any defect in them or any use made of them and the purchaser shall indemnify the company against any claim in respect thereof.

**Note: A series hose tails are no longer covered by warranty on 1 and 2 wire hose, no hose tails are approved or warranted for rock breaker hammer hose use.*
† Hose Tails used on old (used) hose are not covered by warranty
‡ Warranty procedure and warranty request form are available at the back of the catalogue & for download at www.taipan.com.au

TAIPAN
Hydraulic Hose Systems

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- High Temperature
- Half-bend Radius
- Tough Cover
- Jacking

ONE-PIECE OF MIND

Taipan one-piece hydraulic hose couplings comprise a ferrule pre-crimped to a hose tail, so you can be sure that the assembly itself is perfectly aligned and of the highest production standards.

A robust, durable and reliable solution, our one-piece couplings can be trusted to perform safely even in Australia's harsh industrial and climatic conditions, while saving you the cost and hassle of self-assembly.

- Safety
- Reliability
- Performance

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TAIPAN
Hydraulic Hose Systems

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MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

TAIPAN HOSE

Taipan Hose — AHF SAE 100R1

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *One braid of high tensile steel wire.*
- Outer Cover; *Oil, weather & abrasion resistant synthetic rubber - Black*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R1-03AHF	3/16	4,8	12,1	3.000	12.000	90	130	0,20
100R1-04AHF	1/4	6,4	13,5	3.270	13.080	100	130	0,22
100R1-06AHF	3/8	9,5	17,1	2.610	10.440	125	100	0,30
100R1-08AHF	1/2	12,7	20,3	2.320	9.280	180	100	0,39
100R1-10AHF	5/8	15,9	23,9	1.890	7.560	205	50	0,50
100R1-12AHF	3/4	19,0	27,8	1.520	6.080	240	50	0,64
100R1-16AHF	1	25,4	35,5	1.280	5.120	300	50	0,83
100R1-20AHF	1 1/4	31,7	42,8	900	3.600	420	20	1,20
100R1-24AHF	1 1/2	38,1	49,5	740	2.960	500	20	1,50
100R1-32AHF	2	50,8	61,4	580	2.320	630	20	1,95

Specifications/Approvals: Non skive, meets or exceeds SAE J517 100R1, EN853. MSHA, LR, ABS approved.
Application: High pressure service with petroleum base hydraulic fluids, water-glycol and water-oil fire resistant hydraulic fluids, hot oil grease, lubricants, crude and fuel oils. For air applications above 100psi the cover should be pin pricked.
Temperature Range: -40˚C to +100˚C
Couplings: (see Taipan crimp Chart for Specifics) K series (permanent Crimp on) D series (reusable) D1 Shells.

Taipan Hose — AHF SAE 100R2

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Two braids of special high tensile steel wire separated by synthetic rubber layer.*
- Outer Cover; *Oil, weather & abrasion resistant synthetic rubber - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R2-04AHF	1/4	6,4	14,6	5.800	23.200	100	130	0,22
100R2-05AHF	5/16	7,9	16,7	5.080	20.320	115	90	0,28
100R2-06AHF	3/8	9,5	18,7	5000 (LR 4790)	20.000	125	100	0,30
100R2-08AHF	1/2	12,7	22,0	4257 (LR 3990)	17.028	180	100	0,39
100R2-10AHF	5/8	15,9	25,3	3.630	14.520	205	50	0,50
100R2-12AHF	3/4	19,0	29,0	3.120	12.480	240	50	0,64
100R2-16AHF	1	25,4	37,0	2500 (LR 2390)	10.000	300	50	0,83
100R2-20AHF	1 1/4	31,8	45,2	1.840	7.360	420	20	1,20
100R2-24AHF	1 1/2	38,1	51,5	1.320	5.280	500	20/60	1,50
100R2-32AHF	2	50,8	64,0	1.170	4.680	630	20	1,95

LR = Lloyds Register

Specifications/ Approvals: Non skive, meets or exceeds SAE J517 100R2, EN853, ISO6805. MSHA, LR, ABS, FRAS approved.
Application: High pressure service with petroleum base hydraulic fluids, water-glycol and water-oil fire resistant hydraulic fluids, hot oil grease, lubricants, crude and fuel oils. For air applications above 100psi the cover should be pin pricked.
Temperature Range: -40˚C to +100˚C
Couplings: (see Taipan crimp Chart for Specifics) K series (permanent Crimp on) D series (reusable) D2 Shells.

Taipan Hose	SAE 100R2 Extra Pressure

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Two braids of special high tensile steel wire, separated by synthetic rubber layer.*
- Outer Cover; *Oil, weather and abrasion resistant synthetic rubber - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R2XP-08AHF	1/2	13,0	20,7	5.000	20.000	90	100	0,52

Specifications: Non skive, exceeds EN857, 2SC, SAE J517 100R16-S, 2SN-K.
Application: High pressure service with petroleum base hydraulic fluids, water-glycol and water-oil fire resistant hydraulic fluids, hot oil grease, lubricants, crude and fuel oils. For air applications above 100psi the cover should be pin pricked.
Temperature Range: -40˚C to +100˚C
Couplings: (see Taipan crimp Chart for Specifics) K series (permanent Crimp on).

Taipan Hose	SAE 100R2GP General Purpose

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Two braids of high tensile copper clad wire separated by synthetic rubber layer.*
- Outer Cover; *Oil, weather and abrasion resistant synthetic rubber - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R2GP-04AHF	1/4	6,4	15,0	5.800	23.200	100	100	0,35
100R2GP-06AHF	3/8	9,5	18,7	4.785	20.000	127	100	0,50
100R2GP-08AHF	1/2	12,7	22,2	3.988	17.028	178	70	0,62
100R2GP-10AHF	5/8	15,9	25,3	3.625	14.400	203	40	0,72
100R2GP-12AHF	3/4	18,9	29,6	3.118	12.470	240	40	0,92
100R2GP-16AHF	1	25,4	37,1	2.393	9.570	300	30	1,30

Specifications: Non skive, EN853, 2SN & SAEJ517100R2.
Application: Medium to High Pressure hydraulic lines. Suitable for petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water glycol based fluids and air. For air applications above 100psi the cover should be pin pricked.
Temperature Range: -40˚C to +100˚C
Couplings: (See Taipan crimp chart for specifics) K Series (permanent Crimp on) D series (reusables) D2 Shells.

Taipan Hose — SAE 100R2 High Temperature

For additional high temperature hose sizes, please refer to 100R16 High Temperature on page 17

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Two braids of high tensile steel wire separated by synthetic rubber layer.*
- Outer Cover; *Oil, weather & abrasion resistant synthetic rubber - Blue.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R2H-20AHF	1 1/4	31,8	47,8	1.800	7.200	420	20	2,16
100R2H-24AHF	1 1/2	38,1	54,2	1.300	5.200	500	20	2,48
100R2H-32AHF	2	50,8	67,0	1.150	4.600	630	20	3,08

Specifications: Non skive, meets or exceeds SAEJ517100R2, EN853, 2SN.
Application: High temperature hose at high pressure for hydraulic applications. Meets or exceeds SAE 100R2 performance. Suitable for the passage of mineral and vegetable oils, water-based solutions, water, air and inert gases.
For air applications above 100psi the cover should be pin pricked.
Temperature Range: -40˚C to +135˚C (discontinuous 150˚c), for air, not higher than 121˚c
Couplings: (see Taipan crimp Chart for Specifics) K series (permanent Crimp on) D series (reusable) D2 shells.

Taipan Hose — SAE 100R2 Jacking

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Two braids of high tensile steel wire separated by synthetic rubber layer.*
- Outer Cover; *Oil, weather & abrasion resistant synthetic rubber - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R2J-04AHF	1/4	6,4	13,3	10.000	20.000	50		0,34
100R2J-06AHF	3/8	9,5	17,3	10.000	20.000	65		0,42

Specifications: Non skive, IJ100 10000PSI static pressure only.
Application: Hydraulic jack applications with petroleum and water-based fluids. Suitable for passage of mineral and vegetable oils, water based solutions, water air and inert gases.
Temperature Range:
Couplings: (see Taipan crimp Chart for Specifics) K series. Vinyl Bend Restrictors (VBR) are also available in our accessories section.

Taipan Hose — SAE 100R4 Suction

Construction:
- Inner Tube; *Synthetic oil resistant rubber.*
- Reinforcement; *One high tensile polyester cord (helix wire).*
- Outer Cover; *Synthetic oil and weather resistant rubber - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Clamps Used	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R4-12AHF	3/4	19,0	30,0	305	SC29-31W2	125	20	0,70
100R4-16AHF	1	25,0	38,0	247	SC37-40W2	150	20	0,95
100R4-20AHF	1 1/4	32,0	45,0	203	SC43-47W2	200	40	1,00
100R4-24AHF	1 1/2	38,0	52,0	152	SC51-55W2	225	40	1,10
100R4-32AHF	2	51,0	65,0	102	SC63-68W2	300	20	2,00
100R4-40AHF	2 1/2	64,0	78,0	58	SC73-79W2	355	20	2,49
100R4-48AHF	3	76,0	90,0	58	SC85-91W2	460	20	3,26

Specifications: Exceeds SAEJ 517 100R4.
Application: Oil suction & discharge hose cover for use in low pressure and vacuum applications with petroleum base hydraulic fluids.
Temperature Range: -25˚C to +100˚C
Couplings: Low pressure tails (e.g. QAEX,QEBEX) with super clamps.

Taipan Hose — SAE 100R6 (Textile Braid)

Construction:
- Inner Tube; *Oil resistant synthetic rubber tube.*
- Reinforcement; *Two textile spirals.*
- Outer Cover; *Synthetic oil and weather resistant rubber - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R6-03AHF	3/16	4,8	12,1	580	2.320	64	100	0,16
100R6-04AHF	1/4	6,4	13,5	580	2.320	65	100	0,17
100R6-05AHF	5/16	7,9	15,9	580	2.320	75	100	0,19
100R6-06AHF	3/8	9,5	17,1	580	2.320	75	100	0,22
100R6-08AHF	1/2	12,7	16,6	510	2.040	100	100	0,30
100R6-10AHF	5/8	15,9	23,5	510	2.040	125	50	0,32
100R6-12AHF	3/4	19,0	27,8	510	2.040	150	50	0,44
100R6-16AHF	1	25,4	35,2	510	2.040	170	50	0,58

Specifications: Exceeds SAE J517 100R6
Application: Medium pressure service with petroleum base hydraulic fluids, water-glycol and water-oil fire resistant hydraulic fluids. For air applications above 100psi the cover should be pin pricked.
Temperature Range: -40˚C to +100˚C
Couplings: H series push lock tails.

Taipan Hose — SAE 100R6H (High Temp, Textile Braid)

Construction:
- Inner Tube; *Oil resistant synthetic rubber tube.*
- Reinforcement; One high resistant textile braid.
- Outer Cover; *Blue synthetic rubber resistant to oils, abrasion and weather condition. MSHA flame resistant cover*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R6H-04AHF	1/4	6,4	12,6	400	1.600	65	100	0,08
100R6H-05AHF	5/16	7,9	14,2	400	1.600	75	100	0,10
100R6H-06AHF	3/8	9,5	15,8	400	1.600	75	100	0,13
100R6H-08AHF	1/2	12,7	19,8	400	1.600	100	100	0,15
100R6H-10AHF	5/8	15,9	23,1	350	1.400	125	50	0,17
100R6H-12AHF	3/4	19,0	26,5	300	1.200	150	50	0,21

Specifications: Meets or Exceeds SAE J517 100R6 performance
Application: High temperature low pressure hose for hydraulic applications.
Suitable for passage of mineral and vegetable oils, water-based solutions, water air and inert gases.
Temperature Range: -40˚C to +135˚C (150˚C discontinuous) except for air - not higher than 121˚C
Couplings: H series push lock tails.

Taipan Hose — FIRE SUPRESSION HOSE (SAE 100R6)

Construction:
-Inner Tube; *Oil resistant synthetic rubber tube.*
- Reinforcement; *Two textile spirals.*
- Outer Cover; *Synthetic oil and fire resistant rubber - Red.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R6RFS-06AHF	3/8	9,5	17,1	580	2.320	75	100	0,22
100R6RFS-08AHF	1/2	12,7	16,6	510	2.040	100	100	0,30
100R6RFS-12AHF	3/4	19,0	27,8	510	2.040	150	50	0,44

Specifications: Exceeds SAE J517 100R6
Application: Medium pressure service with petroleum base hydraulic fluids, water-glycol and water-oil fire resistant hydraulic fluids. For air applications above 100psi the cover should be pin pricked.
Temperature Range: -40˚C to +100˚C
Couplings: H series push lock tails.

Taipan Hose — SAE 100R7 & 100R7TW (Twin Hose) Thermoplastic

Construction:
- Inner Tube; *Polyester elastomer.*
- Reinforcement; *One or two braids of synthetic fibre.*
- Outer Cover; P*olyurethane, pinpricked - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R7-02AHF	1/8	4,0	8,3	3.000	12.000	25	100	0,045
100R7-03AHF	3/16	5,0	9,6	3.000	12.000	25	100	0,06
100R7-04AHF	1/4	6,5	12,2	3.000	12.000	35	100	0,10
100R7-06AHF	3/8	9,7	16,0	2.300	9.200	55	100	0,15
100R7-08AHF	1/2	13,0	20,3	2.000	8.000	75	100	0,22
100R7TW-04AHF	1/4	6,5	12,2	3.000	12.000	35	100	0,20
100R7TW-06AHF	3/8	9,7	16,0	2.300	9.200	55	100	0,29

Specifications: Meets or exceeds SAE100R7, EN855, ISO3949.
Applications: Medium pressure hose suitable for hydraulic applications with increased resistance to abrasion. For use with petroleum synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earth moving, agricultural machinery, forklifts and trucks. Also suitable for many industrial gases.
Vacuum Rating: 0.93Bar, 700mm Hg (-13.5psi: 27.5 inch Hg).
Temperature Range: -40˚C to +100˚C Temp. not to exceed +70°C for Air and Water based fluids.
Couplings: J Series (flat crimp).

Taipan Hose — SAE 100R7 & 100R7TW (Twin Hose) Thermoplastic Non Conductive

Construction:
- Inner Tube; *Polyester elastomer.*
- Reinforcement; *One braid of synthetic fibre.*
- Outer Cover; *Polyurethane, pinpricked - Orange.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R7NC-04AHF	1/4	6,5	12,2	3.000	12.000	35	100	0,10
100R7NC-06AHF	3/8	9,7	16,0	2.300	9.200	55	100	0,15
100R7NC-08AHF	1/2	13,0	20,3	2.000	8.000	75	100	0,22
100R7NCTW-06AHF	3/8	9,7	16,0	2.300	9.200	55	100	0,29

Specifications: Meets or exceeds SAE100R7, EN855, ISO3949.
Applications: Medium pressure hose suitable for hydraulic applications with increased resistance to abrasion. For use with petroleum synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earth moving, agricultural machinery, forklifts and trucks. Also suitable for many industrial gases.
Vacuum Rating: 0.93Bar, 700mm Hg (-13.5psi: 27.5 inch Hg).
Temperature Range: -40˚C to +100˚C Temp. not to exceed +70°C for Air and Water based fluids.
Couplings: J Series (flat crimp).

Taipan Hose

SAE 100R8 & 100R8TW (Twin Hose) Thermoplastic

Construction:
- Inner Tube; *Polyester elastomer.*
- Reinforcement; *One or two braids of synthetic fibre.*
- Outer Cover; P*olyurethane, pinpricked - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R8-02AHF	1/8	4	8	6,000	24.000	25	100	0.034
100R8-04AHF	1/4	6,5	11,5	5.000	20.000	50	100	0,09
100R8-06AHF	3/8	9,7	15,5	4.000	16.000	60	100	0,14
100R8-08AHF	1/2	13,0	19,9	3.500	14.000	80	100	0,20
100R8-12AHF	3/4	19,5	26,9	2.300	9.200	150	100	0,32
100R8-16AHF	1	25,9	34,2	2.000	8.000	200	44	0,44
100R8TW-04AHF	1/4	6,5	11,5	5.000	20.000	50	100	0,17
100R8TW-06AHF	3/8	9,7	15,5	4.000	16.000	60	100	0,27

Specifications: Meets or exceeds SAE100R8, EN855, ISO3949. Hoses also meets standards SAEJ517, J343 and EN855 for non conductivity where maximum electrical leakage shall not exceed 50uA when a 152mm sample is subject to 37.5 KV for 5 minutes equivalent to 250KV/meter.
Applications: High pressure hose suitable for use with petroleum synthetic or water based hydraulic fluids with increased resistance to abrasion and very low expansion. Suitable for general fluid power transmissions like earthmoving, agricultural machinery, forklift trucks and other high pressure equipment. Also suitable for many industrial gases.
Vacuum Rating: 0.93Bar, 700mm Hg (-13.5psi: 27.5 inch Hg).
Temperature Range: -40˚C to +100˚C Temp. not to exceed +70°C for Air and Water based fluids.
Couplings: J Series (flat crimp).

Taipan Hose

SAE 100R8 & 100R8TW (Twin Hose) Thermoplastic Non Conductive

Construction:
- Inner Tube; *Polyester elastomer.*
- Reinforcement; *One or two braids of aramid fibre.*
- Outer Cover; *Polyurethane, pinpricked - Orange.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R8NC-04AHF	1/4	6,5	11,5	5.000	20.000	50	100	0,09
100R8NC-06AHF	3/8	9,7	15,5	4.000	16.000	60	100	0,14
100R8NC-08AHF	1/2	13,0	19,9	3.500	14.000	80	100	0,20
100R8NCTW-04AHF	1/4	6,5	11,5	5.000	20.000	50	100	0,17

Specifications: Meets or exceeds SAE100R8, EN855, ISO3949. Hoses also meets standards SAEJ517, J343 and EN855 for non conductivity where maximum electrical leakage shall not exceed 50uA when a 152mm sample is subject to 37.5 KV for 5 minutes equivalent to 250KV/meter.
Applications: High pressure hose suitable for use with petroleum synthetic or water based hydraulic fluids used in hydraulic applications requiring electrical high insulation or non-conductivity in high tension environment e.g. near electrical power lines
Vacuum Rating: 0.93Bar, 700mm Hg (-13.5psi: 27.5 inch Hg).
Temperature Rating: -40˚C to +100˚C Temp. not to exceed +70°C for Air and Water based fluids.
Couplings: J Series (flat crimp).

Taipan Hose	SAE 100R12 Standard

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Four layers of high tensile steel spirals.*
- Outer Cover; *Synthetic rubber resistant to oils, weather & abrasion resistant - Black*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R12-24AHF	1 1/2	38,1	53,3	4.200	16.800	560	45	3,30
100R12-32AHF	2	51,1	67,3	3.625	14.500	700	60	4,94

Specifications/ Approvals: Non skive, flame resistant cover. MSHA approved.
Applications: High pressure hose, Exceeds SAE 100R12. Higher flexibility compared with conventional spiral hoses. Suitable for the passage of mineral and vegetable oils, water based solutions, water, air and inert gases.
Temperature Range: Continuous -40˚C to +100˚C (Intermittent to 120˚C).
Couplings: L series* (permanent crimp on).
Refer to 100R12SF for additional sizes.

Taipan Hose	SAE 100R12 Super Flex

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Four layers of high tensile steel spirals.*
- Outer Cover; *Synthetic rubber resistant to oils, weather & abrasion resistant - Black*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R12SF-12AHF	3/4	19,0	30,0	4.100	16.400	120	60	1,10
100R12SF-16AHF	1	25,4	37,0	4.100	16.400	150	60	1,40
100R12SF-20AHF	1 1/4	31,8	44,6	4.100	16.400	210	60	2,50
100R12SF-24AHF	1 1/2	38,1	51,6	4.100	16.400	290	45	3,10

Specifications/ Approvals: Non skive, flame resistant cover. MSHA approved.
Applications: Very high pressure hose, Super flexible high performance with half bend radius of SAE 100R12. Higher flexibility compared with conventional spiral hoses. Tested over 1,000,000 impulse cycles at 33% more than WP. Suitable for the passage of mineral and vegetable oils, water based solutions, water, air and inert gases.
Temperature Range: Continuous -40˚C to +121˚C (Intermittent to 125˚C).
Couplings: L series* (permanent crimp on).

Taipan Hose — SAE 100R12 Tough Cover

1/2 Bend Radius Hose

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Four layers of high tensile steel spirals.*
- Outer Cover; *Synthetic rubber resistant to oils, weather & abrasion resistant - Grey*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R12TC-06AHF	3/8	9,5	19,7	4.100	16.400	65	60	0,60
100R12TC-08AHF	1/2	12,7	22,7	4.100	16.400	90	60	0,80
100R12TC-12AHF	3/4	19,0	30,0	4.100	16.400	120	60	1,10
100R12TC-16AHF	1	25,4	37,0	4.100	16.400	150	60	1,40

Specifications/Approvals: Non skive, flame resistant cover. MSHA approved.
Applications: Very high pressure hose, high performance with half bend radius of SAE 100R12. Higher flexibility compared with conventional spiral hoses. Tested over 1,000,000 impulse cycles at 33% more than WP. Suitable for the passage of mineral and vegetable oils, water based solutions, water, air and inert gases.
Temperature Range: Continuous -40˚C to +121˚C (Intermittent to 125˚C)
Couplings: L series* (permanent crimp on).

Taipan Hose — SAE 100R13 Multi Spiral

Construction:
- Inner Tube; *Oil resistant synthetic rubber.*
- Reinforcement; *Four* or six* plies of spirally wrapped high tensile wire.*
- Outer Cover; *Synthetic rubber resistant to oils, weather & abrasion resistant - Black*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R13-12AHF	3/4	19,0	31,3	5.000	20.000	280	20	1,50
100R13-16AHF	1	25,4	38,5	5.000	20.000	340	20	2,20

Specifications/ Approvals: Non skive, Meets SAE J517 100R13, EN856 R13, flame resistant cover. MSHA & Lloyds approved.
Application: Extra high pressure service with petroleum base hydraulic fluids.
Temperature Range: -40˚C to + 121˚C
Couplings: N series.
Note: * = 3/4" - 1" made with 4 wire spirals, remainder are 6 wire spiral.

Taipan Hose

SAE 100R14 PTFE Convoluted

Construction:
- Inner Tube; *Helically convoluted sintered polytetrafluoroethylene (P.T.F.E.)*
- Reinforcement; *Single braid of 304 series of stainless steel wire.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R14-08C	1/2	12,7	19,8	1.960	7.840	20	100	0,27

Specifications: PTFE (True Bore)
Application: Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria in automotive, chemical, pharmaceutical, food processing, plastic & rubber moulding machines. Also, for some applications the tube can also be made conductive to dissipate electro-static Charges.
Temperature Range: Continuous -54°C to +260°C
Couplings: Contact Taipan Pty Ltd for details.

Taipan Hose

SAE 100R14 PTFE Smooth Bore

Construction:
- Inner Tube; *Polytetrafluoroethylene (P.T.F.E.)*
- Reinforcement; *Single braid of 304 series of stainless steel wire.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R14-02AHF	1/8	3,0	6,2	3.260	13.040	40	100	0,07
100R14-03AHF	3/16	4,8	7,6	2.750	11.000	50	100	0,08
100R14-04AHF	1/4	6,4	8,8	2.610	10.440	75	100	0,10
100R14-05AHF	5/16	8,0	11,0	2.540	10.160	100	100	0,13
100R14-06AHF	3/8	9,5	12,1	2.390	9.560	125	100	0,17
100R14-08AHF	1/2	12,7	16,2	1.740	6.960	165	100	0,22
100R14-10AHF	5/8	16,0	18,8	1.270	5.080	200	50	0,28
100R14-12AHF	3/4	19,0	23,1	1.010	4.040	230	50	0,33
100R14-16AHF	1	25,4	29,2	870	3.480	300	20	0,45

Specifications: SAE J517 100R14.
Application: Excellent chemical resistance, non-contamination properties, low coefficient and resists deterioration. High temperature steam line, hot air supply line, compressor and chemical fluid line, brake fluids (non-petroleum).
Temperature Range: -54˚C to +260˚C
Couplings: (see Taipan crimp Chart for Specifics) C series.

Taipan Hose	SAE 100R15 Multi Spiral

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Four* or six* plies of spirally wrapped high tensile wire.*
- Outer Cover; *Synthetic rubber resistant to oils, abrasion and weather conditions - Black*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R15-06AHF	3/8	9,5	20,0	6.100	24.400	65	60	0,65
100R15-08AHF	1/2	12,7	23,0	6.100	24.400	90	60	0,85
100R15-10AHF	5/8	16,0	26,6	6.100	24.400	100	60	1,00
100R15-12AHF	3/4	19,0	30,6	6.100	24.400	120	60	1,50
100R15-16AHF	1	25,4	37,8	6.100	24.400	150	60	2,00
100R15-20AHF	1 1/4	31,8	49,3	6.100	24.400	300	60	3,55
100R15-24AHF	1 1/2	38,1	57,0	6.100	24.400	350	60	4,65

Specifications: Non skive, Exceeds SAE J517 100R15.
Application: Very high pressure hose, with high performance and half bend radius of the SAE 100R15 standard. Higher flexibility compared with conventional spiral hoses. Tested to over 1,000,000 impulse cycles at 133% of working pressure from -06 to -12 and 120% working pressure from -16 to -32, more than twice that required by SAEJ517, EN 856 or ISO 3862-1. Suitable for the passage of mineral and vegetable oils, water-based solutions, water, air and inert gases.
Temperature Range: -40˚C to + 121˚C (intermittent to 125˚C)
Couplings: N series non skive, L series 3/8" - 5/8"
Note: * = up to 1" four spirals, 1 1/4" - 1 1/2" six spirals.

Taipan Hose	100R15 Proprietary

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Six plies of spirally wrapped high tensile wire.*
- Outer Cover; *Synthetic rubber resistant to oils,abrasion and weather conditions - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R15-32AHF	2	51,0	70,5	6.000	24.000	650	60	6,50

Specifications/ Approvals: Non skive, flame resistant cover. MSHA approved.
Application: Very high pressure hose, with higher flexibility compared to conventional spiral hoses. Suitable for the passage of mineral and vegetable oils, water-based solutions, water, air and inert gases.
Temperature Range: -40˚C to + 121˚C (intermittent to 125˚C).
Couplings: N series

Taipan Hose — SAE 100R16 Compact Two Wire

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *Two high tensile steel wire braids.*
- Outer Cover; *Oil, weather and abrasion resistantnsynthetic rubber outer cover - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R16-04AHF	1/4	6,4	13,2	5.000	20.000	50	100	0,22
100R16-06AHF	3/8	9,5	17,3	4.000	16.000	63	100	0,30
100R16TW-06AHF	3/8	10,0	17,1	5.075	20.300	70	100	0,836
100R16-08AHF	1/2	12,7	20,8	3.500	14.000	90	100	0,39

Specifications: Non skive, compact two wire with improved working pressure and bend radius.
Application: Hydraulic system serviced with petroleum and water base fluids (for air application, the outer cover shall be pin-pricked).
Temperature Range: Continuous: -40˚C to +100˚C
Couplings: K series.

Taipan Hose — SAE 100R16 High Temperature

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; T*wo high tensile steel wire braids.*
- Outer Cover; *Oil, weather and abrasion resistant synthetic rubber outer cover - Blue.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R16H-04AHF	1/4	6,4	13,4	5.800	23.200	50	TBA	0,30
100R16H-06AHF	3/8	9,5	17,3	4.800	19.200	65	TBA	0,40
100R16H-08AHF	1/2	12,7	20,5	4.000	16.000	90	TBA	0,50
100R16H-10AHF	5/8	15,9	24,2	3.600	14.400	120	TBA	0,65
100R16H-12AHF	3/4	19,0	27,8	3.000	12.000	120	TBA	0,85
100R16H-16AHF	1	25,4	34,7	2.400	9.600	150	TBA	1,15

Specifications: Non skive, meets or exceeds SAE100R16, EN857, 2SC.
Application: High temperature hose with extreme flexibility. Recommended for hydraulic applications where a tighter bend radius is needed. Suitable for the passage of mineral and vegetable oils, water-based solutions, water, air and inert gases. For air applications above 100psi the cover should be pin pricked.
Temperature Range: -40˚C to +135˚C (discontinuous 150˚c), for air, not higher than 121˚c
Couplings: (see Taipan crimp Chart for Specifics) K series (permanent Crimp on).

Taipan Hose	100R18TWLT Low Temperature

Construction:
- Inner Tube; *Polyester elastomer.*
- Reinforcement; One of Two braids of synthetic fiber.
- Outer Cover; *Special polyester, black, pinpricked, white ink-jet branding.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R18TWLT-04AHF	1/4	6,5	12,20	3,000	12.000	35	100	0,19

Specifications: SAE100R18 / ISO3949-R18.
Application: Forklift handling. All industrial and agricultural applications exposed to low temperatures or cyclic and quick temperature changes.
Temperature Range: -55˚C to +100˚C: limited to +70˚C for air and water based fluids.
Couplings: J Series

Taipan Hose	SAE 100R19 High Pressure Two Wire

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; T*wo high tensile steel wire braids.*
- Outer Cover; *Oil, weather and abrasion resistant synthetic rubber outer cover - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R19-10AHF	5/8	15,9	23,8	4.100	16.400	100	60	0,44
100R19-12AHF	3/4	19,0	27,8	4.100	16.400	120	60	0,54
100R19-16AHF	1	25,4	37,0	4.100	16.400	150	60	0,84

Specifications: Non skive, meets SAE J517 100R19.
Application: High pressure hose with improved impulse cycles and greater performance. Suitable for passage of mineral and vegetable oils, water based solutions and inert gases.
Temperature Range: Continuous: -40˚C to +100˚C (intermittent to 120˚C)
Couplings: K series.

Taipan Hose	Aquawash Hose

Construction:
- Inner Tube; *Synthetic rubber resistant to detergents.*
- Reinforcement; *One or two high tensile steel wire braids.*
- Outer Cover; *Abrasion, weather, ozone and detergent resistant synthetic rubber. *Blue, Grey or Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
100R1PWH-04 (BL)	1/4	6,6	11,8	3.625	10.875	35	TBA	0,18
100R1PWH-06 (G)	3/8	9,9	16,1	4.000	10.875	75	TBA	0,26
100R2PWH-06 (BL)	3/8	9,9	18,4	5.800	19.140	125	TBA	0,28

Specifications: Complies with EN ISO 7751, EN1829-2.
Application: Professional pressure water cleaning applications for dairies, and general cleaning applications.
Temperature Range: -10˚C to +155˚C max.
Couplings: (see Taipan crimp Chart for Specifics) K series.
Note: * = Hose Colour; (BL) = Blue Colour; (G) = Grey Colour.

Taipan Hose	Grease Hose

Construction:
- Inner Tube; *Thermoplastic polymer.*
- Reinforcement; *One braid of synthetic fibre polyester.*
- Outer Cover; *Thermoplastic polymer - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
GH8.3MM	5/32	4,0	8,3	5.800	14.500	25	100	

Specifications: Meets requirements of DIN 1283.
Applications: Manual & air-operated greasing guns, central greasing and lubrication systems. High Pressure hose suitable for petroleum or synthetic or water based hydraulic fluids specifically designed for diverse greasing and lubrication applications of industrial vehicles and handheld or automatic greasing distribution equipment. Extremely compact and flexible, highly kink resistant, special anti sticky cover for easy installation and compact routing.
Temperature Range: -40˚C - 60˚C
Couplings: GH Series reusable.

Taipan Hose	Paint Spray Hose

Construction:
- Inner Tube; *Nylon*
- Reinforcement; *One braid of high tensile single wire braid.*
- Outer Cover; *Polyurethane - Blue.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
PSH1-04	1/4	6,3	12,3	3.000	18.450	50	TBA	0,17

Application: For paint spray equipment and hydraulic fluids service.
Temperature Range: -20˚C - 80˚C
Couplings: A Series (Available on request).

AEROQUIP HOSE

Aeroquip Hose	SAE 100R5 FC300 High Temperature

Construction:
- Inner Tube; *AQP elastomer.*
- Reinforcement; *A polyester inner braid and a single wire braid.*
- Outer Cover; *Polyester braid - Blue.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
FC300-04	3/16	4,8	13,2	3.000	12.000	76		0,19
FC300-05	1/4	6,4	14,7	3.000	12.000	85,6		0,24
FC300-06	5/16	7,9	17,0	2.250	9.000	102		0,34
FC300-08	13/32	10,3	19,3	2.000	8.000	117		0,39
FC300-10	1/2	12,7	23,6	1.750	7.000	140		0,55
FC300-12	5/8	15,9	27,4	1.500	6.000	165		0,69
FC300-16	7/8	22,2	32,3	800	3.200	187		0,66
FC300-20	1 1/8	28,6	38,1	625	2.500	229		0,78
FC300-24	1 3/8	34,9	44,5	500	2.000	267		1,00
FC300-32	1 13/32	47,6	56,4	300	1.200	337		1,40

Specifications: Non skive, SAE100R5.
Application: Hydraulics handling petroleum and water base fluids and air, 91 octane fuel, diesel and lubricating oils, fire resistant hydraulic fluids and other industrial fluids.
Temperature Range: Continuous: -49˚C to +150˚C. For air 121˚C
Couplings: DF reusable series.

Aeroquip Hose	SAE 100R6 FC332 High Temperature Push Lock

Construction:
- Inner Tube; *AQP elastomer.*
- Reinforcement; *A single textile braid.*
- Outer Cover; *AQP elastomer wrap - Blue.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
FC332-04	1/4	6,4	12,5	250	1.000	76	100	0,12
FC332-06	3/8	9,7	16,0	250	1.000	76	100	0,18
FC332-08	1/2	12,7	19,0	250	1.000	102	100	0,22
FC332-10	5/8	16,0	23,1	250	1.000	152	100	0,30
FC332-12	3/4	19,0	26,4	250	1.000	178	100	0,42

Specifications: Non skive, SAE100R6.
Application: For 91 octane fuel, diesel and lubricating oils, air and water. Not recommended for impulse applications.
Temperature Range: Continuous: -40˚C to +150˚C. For air 121˚C, water +82˚C
Couplings: H series.

Aeroquip Hose	GH506

Construction:
- Inner Tube; *Synthetic rubber.*
- Reinforcement; *NBR four wire spiral.*
- Outer Cover; *Synthetic rubber - Black.*

Part Number	Size (In)	ID (mm)	OD (mm)	Working PSI	Min Burst Pressure (PSI)	Min Bend Radius (mm)	Reel Length (M)	Weight KG/M
GH506-12	3/4	19,1	32,3	6.100	24.400	280	45	1,49
GH506-16	1	25,4	38,3	5.510	22.040	340	45	2,05
GH506-20	1 1/4	31,8	45,5	5.075	20.300	460	45	2,54

Specifications: Non skive, EN856, 4SH.
Application: High pressure hydraulic systems with petroleum and water-glycol base fluids for lubricating oils and water.
Range of Temperature: Continuous: -40˚C to +100˚C
Couplings: N/SH series (permanent Crimp on).

COMPREHENSIVE MATCH-TESTED HOSE & HOSE TAIL RANGE

- 100R1 - 100R19
- High Temperature
- Half-bend Radius
- Tough Cover
- Jacking

COMMITTED TO MATCHED-SYSTEMS

It's one thing to test the perfomance of hose and hose tails seperately. It's another to test them as they are used - together, in a system. That's why we do both.

All Taipan hose meets Australian and International Standards ISO6805, SAEJ517, EN853, EN856 and EN857.

Reputable third parties - such as Lloyd's, Mine Safety & Health Administration and Mines Australia - also certify our hose independently (copies of third party certifications are available on request).

Here in Australia, we also use MDG41 guidelines to test our hydraulic hose and tails together, as a matched system.

We take the extra step of match-testing because it helps lower your risk of failure, protect your machinery, improve OH&S, lower maintenance costs and reduce unscheduled interruptions.

For more information on our match-tested range call **1300 654 782** or email **sales@taipan.com.au**

- **Safety**
- **Reliability**
- **Performance**

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TAIPAN
Hydraulic Hose Systems

SECTION 2
HOSE TAILS

HOSE TAIL IDENTIFICATION KEY

SAMPLE					
K	**06**	**JF**	**09**	**90**	**-30mm**
Hose Type	Hose Size	Thread Style	Thread Size	Angle (If Required)	Drop Length (Available on 90° and 90° long Drop Only)

METRIC HOSE TAIL SAMPLE					
K	**04**	**MF**	**08**	**14**	**A**
Hose Type	Hose Size	M = Metric F= Female	Tube Size	Thread Size	Thread Pitch
					A = 1.5mm B = 2.0mm

Note: Following angles not availble on all Hose Tails. L = Longdrop"	15°	22.5°	30°	45°	60°	67.5°	90°	90L°	110°

BSP Thread	**BF**	**BFF**	**BM**	**BPM**	BF = Female Parallel 60° Cone BFF = Female Flat Face BM = Male Taper BPM = Male Parallel 60° Cone
Hose Joiner	**HJ**				HJ = Hose Joiner
JIC Thread	**JF**	**JM**			JF = Female JIC Swivel 37° Cone JM = Male JIC Swivel 37° Cone
JIS Thread (BSP)	**IBF**				IBF = Female Parallel Pipe Swivel 30° Flare
JIS Thread (Metric, Komatsu)	**KF**				KF = Female Swivel Straight 30° Flare
Karcher Pressure Wash	**KA**				KA = Female 22mm x 14mm Pressure Wash
Life Saver	**LS**				LS = Life Saver
Metric Thread	**MBJ**	**MF**	**MM**	**MFF**	MBJ = Metric Banjo MF = Female Straight 24° Cone MM = Male Straight 24° Cone MFF = Female Straight Flat Face
NPT Thread	**NF**	**NM**			NF = Female Taper Straight NM = Male Taper Straight
ORFS Thread	**FO**	**MO**			FO = Female ORFS Swivel MO = Male ORFS
SAE Flange Code 61 / 62	**F61**	**F62**	**FC62**	**FT**	F61 = Code 61 Flange F62 = Code 62 Flange FC62 = CAT Flange FT = Taper Flange
SAE Thread	**IS**	**SF**			IS = Inverted Male SAE SF = SAE Female
Stand Pipe	**SP**				SP = Stand Pipe
UNO Thread	**PSW**	**PM**			PSW = UNO Male Swivel PM = UNO Male

SAE100R1, SAE100R2, SAE100R16 & SAE100R19 Hose Tails

Straight

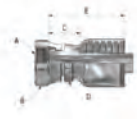
K-BJ | Page 35

Banjo

K-BF | Page 35

BSPP F Swivel

K-BFF | Page 36



BSPP F Flat Face

K-BPM | Page 36

BSPP Male

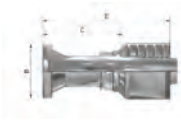
K-BM | Page 36

BSPT Male

K-BBPM | Page 37

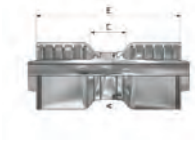
BSPP M Bulkhead

K-F61 | Page 37



SAE Code 61 Flange

K-HJ | Page 38



Hose Joiner

K-JF | Page 38

JIC F Swivel 37°

K-JM | Page 39

JIC M 37°

K-IBF | Page 39

JIS (BSP) F Parallel Pipe Swivel

K-KF | Page 40

Komatsu F Swivel 30° Flare JIS Metric

K-LS | Page 40

Lifesaver

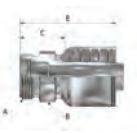
K-MFF | Page 41

Metric Flat Face F

K-MF | Page 41

Ball Nose Metric F 24° Cone

K-MM | Page 42



Metric M 24° Cone

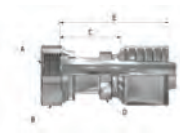
K-NF | Page 43

NPT F S/W

K-NM | Page 43

NPT Male

K-FO | Page 43



F O-Ring Face Seal Swivel

K-MO | Page 44

M O-Ring Face Seal

K-SF | Page 44

SAE F

K-SPM | Page 45

Stand Pipe

K-PM | Page 45

UNO M

MORE PRODUCTS COMING SOON

22.5 Degree

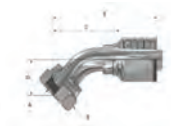
K-61 | Page 45

SAE Code 61 Flange

MORE PRODUCTS COMING SOON

45 Degree

K-BF | Page 45



BSPP F Swivel

K-F61 | Page 46

SAE Code 61 Flange

K-JF | Page 46

JIC F Swivel

K-MFF | Page 47

Flat Face Metric F

K-MF | Page 47

Ball Nose Metric F 24° Cone

K-FO | Page 48

F O-Ring Face Seal Swivel

MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

67.5 Degree

K-F61 | Page 48

SAE Code 61 Flange

MORE PRODUCTS COMING SOON

90 Degree

K-BF | Page 48

BSPP F Swivel

K-F61 | Page 49

SAE Code 61 Flange

K-JF | Page 50

JIC F Swivel

K-IBF | Page 51

JIS (BSP) F Parallel Pipe Swivel

K-KF | Page 51

Komatsu F Swivel 30° Flare JIS Metric

K-MFF | Page 51

Flat Face Metric F

K-MF | Page 52

Ball Nose Metric F 24° Cone

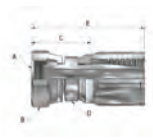
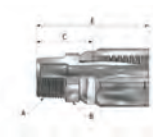
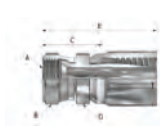
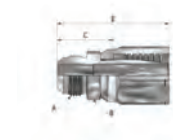
K-FO | Page 53

F O-Ring Face Seal Swivel

K-SF | Page 53

SAE F

100R1, 100R2 Field Attachable

D-BF | Page 54	**D-BM** | Page 54	**D-JF** | Page 54	**D-JM** | Page 55	**D-IBF** | Page 55
				
BSP F Parrallel Pipe Swivel	BSPT Male	JIC F 37° Swivel	JIC M 37°	JIS (BSP) F Parallel Pipe Swivel
D-LS | Page 55			**45 Degree**	**D-BF** | Page 56
	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON		
Lifesaver				BSPP F Swivel
D-JF | Page 56			**D-BF** | Page 56	**D-JF** | Page 57
	MORE PRODUCTS COMING SOON	**90 Degrees**		
JIC F 37° Swivel			BSPP F Swivel	JIC F 37° Swivel
D-IBF | Page 57	**Shells**	**D1-D2** | Page 57		
			MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON
JIS (BSP) F Parallel Pipe Swivel		Resusable Shells to suit 100R1 & 100R2		

SAE100R2 Two Piece

Shells	**GN2** | Page 58			
		MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON
	100R2 Shells			

SAE100R4 Low Pressure Hose Tails

Straight

QAAX | Page 58

BSPP F Swivel Nut x L/P HT

QADX | Page 58

BSP Parallel M x L/P HT

QAEX | Page 59

BSPT M x L/P HT

QAFX | Page 59

Code 61 Flange x L/P HT

QAUX | Page 59

NPT M x L/P HT

QAPX | Page 60

UNO M x L/P HT

45 Degree

QETFX-45 | Page 60

Code 61 Flange x L/P HT 45°

90 Degrees

QEBAX | Page 60

BSPP F Swivel x L/P HT

QEBDX | Page 60

BSPP M x L/P HT 90°

QEBEX | Page 61

BSPT M x L/P HT 90°

QETFX | Page 61

Code 61 Flange x L/P HT 90°

QEBPX | Page 61

UNO M x L/P HT 90°

Tee Piece

QTEXXA | Page 62

L/P x L/P x BSPP F S/W

MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

SAE100R5 Field Attachable Hose Tails

Straight

DF-JF | Page 62

JIC F 37° Swivel

DF-NM | Page 63

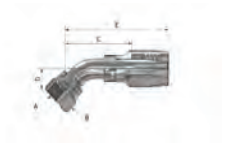
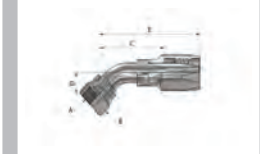
NPT Male

DF-FO | Page 63

F O-Ring Face Seal Swivel

DF-SF | Page 63

SAE F

45 Degree	**DF-JF** | Page 63  JIC F 37° Swivel	**DF-SF** | Page 64  SAE F	**90 Degrees**	**DF-JF** | Page 64 JIC F 37° Swivel
DF-SF | Page 64 SAE F	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON

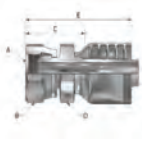
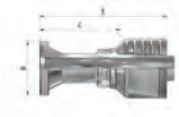
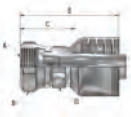
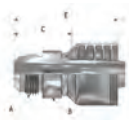
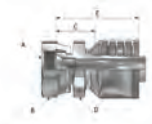
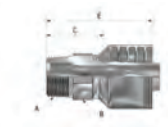
SAE100R6 Hose Tails

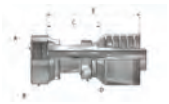
Straight	**H-MBJ** | Page 65 Banjo	**H-BF** | Page 65 BSPP F Swivel	**H-BM** | Page 65 BSPT Male	**H-HJ** | Page 66 Hose Joiner
H-JF | Page 66 JIC F 37° Swivel	**H-JM** | Page 66 JIC M 37° Swivel	**H-SF** | Page 66 SAE F	MORE PRODUCTS COMING SOON	**90 Degree**
H-BF | Page 67 BSPP F Swivel	**H-JF** | Page 67 JIC F 37° Swivel	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON

SAE100R7, SAE100R8 & SAE100R18 Hose Tails

Straight	**J-BF** | Page 67	**J-JF** | Page 68	**J-JM** | Page 68	**J-MF** | Page 68
	BSPP F Swivel	JIC F 37° Swivel	JIC M 37°	Metic F/M Ball nose 24° Cone
MORE PRODUCTS COMING SOON	**90 Degree**	**J-JF** | Page 68	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON
		JIC F 37° Swivel		

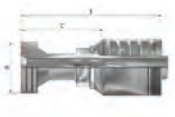
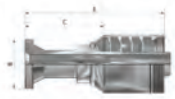
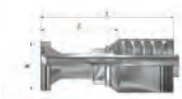
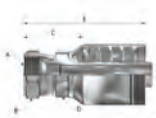
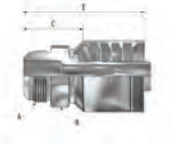
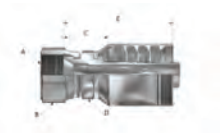
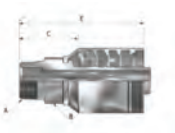
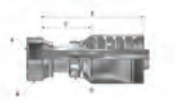
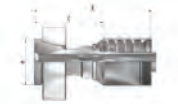
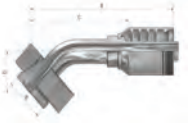
SAE100R12 Hose Tails

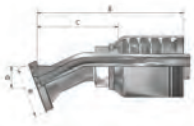
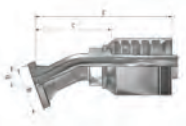
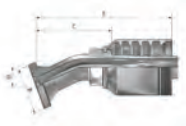
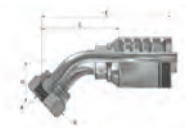
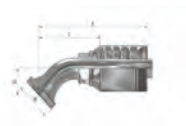
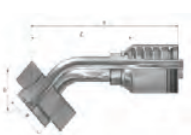
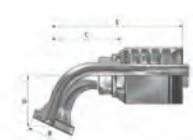
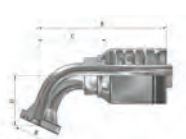
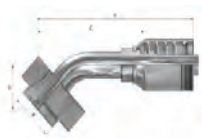
Straight	**L-BF** | Page 69	**L-BPM** | Page 69	**L-BM** | Page 70	**L-F61** | Page 70
				
	BSPP F Swivel	BSPP M Parallel	BSPT Male	SAE Code 61 Flange
L-F62 | Page 71	**L-HJ** | Page 71	**L-JF** | Page 71	**L-JM** | Page 72	**L-IBF** | Page 72
				
SAE Code 62 Flange	Hose Joiner	JIC F 37° Swivel	JIC M 37°	JIS (BSP) F Parallel Pipe Swivel
L-KF | Page 73	**L-LS** | Page 73	**L-MFO** | Page 73	**L-MM** | Page 74	**L-NM** | Page 74
				
Komatsu F Swivel 30° Flare JIS Metric	Lifesaver	O-Ring Metric F 24° Cone	Metric M 24° Cone	NPT Male

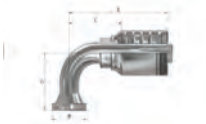
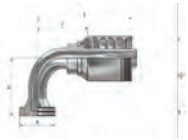
L-FO | Page 75	**L-MO** | Page 75	**L-SF** | Page 75	**22.5 Degree**	**L-61** | Page 76
				
F O-Ring Face Seal Swivel	M O-Ring Face Seal	SAE F		SAE Code 61 Flange
30 Degree	**L-61** | Page 76	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	**45 Degree**
	SAE Code 61 Flange			
L-BF | Page 77	**L-F61** | Page 77	**L-F62** | Page 78	**L-JF** | Page 78	**L-MFO** | Page 78
BSPP F Swivel	SAE Code 61 Flange	SAE Code 62 Flange	JIC F 37° Swivel	O-Ring Metric F 24° Cone
L-FO | Page 79	**60 Degree**	**L-F61** | Page 79	**67.5 Degree**	**L-F61** | Page 80
F O-Ring Face Seal Swivel		SAE Code 61 Flange		SAE Code 61 Flange
90 Degree	**L-BF** | Page 80	**L-F61** | Page 81	**L-F62** | Page 81	**L-JF** | Page 82
	BSPP F Swivel	SAE Code 61 Flange	SAE Code 62 Flange	JIC F 37° Swivel

L-KF | Page 82	**L-MFO** | Page 83	**L-FO** | Page 83	**110 Degree**	**L-F61** | Page 84
Komatsu F Swivel 30° Flare JIS Metric	O-Ring Metric F 24° Cone	F O-Ring Face Seal Swivel		SAE Code 61 Flange

SAE100R13, SAE100R15 & GH506 Hose Tails

Straight	**N-HU** | Page 84	**N-BF** | Page 85	**N-BM** | Page 85	**N-FC62** | Page 85
				
	1502 Hammer Union	BSPP F Swivel	BSPT M	CAT Flange
N-F61 | Page 85	**N-F62** | Page 86	**N-HJ** | Page 86	**N-JF** | Page 86	**N-JM** | Page 87
				
SAE Code 61 Flange	SAE Code 62 Flange	Hose Joiner	JIC F 37° Swivel	JIC M 37°
N-KF | Page 87	**N-MFO** | Page 87	**N-MM** | Page 87	**N-NF** | Page 88	**N-NM** | Page 88
				
Komatsu F Swivel 30° Flare JIS Metric	O-Ring Metric F 24° Cone	Metric M 24° Cone	NPT F Swivel	NPT Male
N-FO | Page 88	**N-FT** | Page 88	**15 Degree**	**N-FT** | Page 89	**22.5 Degree**
				
F O-Ring Face Seal Swivel	Taper Flange (Heavy duty Mining Equip.)		Taper Flange (Heavy duty Mining Equip.)	

N-FC62 | Page 89	**N-F61** | Page 89	**30 Degree**	**N-FC62** | Page 89	**N-F61** | Page 90
				
CAT Flange	SAE Code 61 Flange		CAT Flange	SAE Code 61 Flange
N-F62 | Page 90	**45 Degree**	**N-BF** | Page 90	**N-FC62** | Page 90	**N-F61** | Page 91
				
SAE Code 62 Flange		BSPP F Swivel	CAT Flange	SAE Code 61 Flange
N-F62 | Page 91	**N-JF** | Page 91	**N-MFO** | Page 92	**N-FO** | Page 92	**N-FT** | Page 92
				
SAE Code 62 Flange	JIC F 37° Swivel	O-Ring Metric F 24° Cone	F O-Ring Face Seal Swivel	Taper Flange (Heavy duty Mining Equip.)
60 Degree	**N-FC62** | Page 92	**N-F61** | Page 93	**67.5 Degree**	**N-F61** | Page 93
				
	CAT Flange	SAE Code 61 Flange		SAE Code 61 Flange
MORE PRODUCTS COMING SOON	**70 Degree**	**N-FT** | Page 93	MORE PRODUCTS COMING SOON	**90 Degree**
				
		Taper Flange (Heavy duty Mining Equip.)		

N-BF | Page 94	**N-FC62** | Page 94	**N-F61** | Page 94	**N-F62** | Page 95	**N-JF** | Page 95
				
BSPP F Swivel	CAT Flange	SAE Code 61 Flange	SAE Code 62 Flange	JIC F 37° Swivel
N-MFO | Page 96	**N-FO** | Page 96	**N-FT** | Page 96	**105 Degree**	**N-FT** | Page 97
O-Ring Metric F 24° Cone	F O-Ring Face Seal Swivel	Taper Flange (Heavy duty Mining Equip.)		Taper Flange (Heavy duty Mining Equip.)
110 Degree	**N-F61** | Page 97	**N-F62** | Page 97	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON
	SAE Code 61 Flange	SAE Code 62 Flange		

SAE100R14 Hose Tails

Straight	**C-JF** | Page 97	**C-SF** | Page 98	MORE PRODUCTS COMING SOON	**45 Degree**
	JIC F 37° Swivel	SAE F		
C-JF | Page 98	**90 Degree**	**C-JF** | Page 98	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON
JIC F 37° Swivel		JIC F 37° Swivel		

Aquawash

Two Piece Straight	**G-KA** | Page 99 Karcher Pressure Wash	**Straight**	**K-KA** | Page 99 Karcher Pressure Wash	MORE PRODUCTS COMING SOON

Grease Hose Hose Tails

Straight	**GH-BM** | Page 99 BSPT Male	**GH-JF** | Page 99 JIC F 37° Swivel	**GH-SHELL** | Page 100 Grease Shell	**GH-SP** | Page 100 Stand Pipe M
MORE PRODUCTS COMING SOON	**45 Degree**	**GH-SP** | Page 100 Stand Pipe M	**90 Degree**	**GH-JF** | Page 100 JIC F 37° Swivel
GH-SP | Page 100 Stand Pipe M	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON

SAE100R1, SAE100R2, SAE100R16 & SAE100R19

Straight

100R1, 100R2, 100R16 & 100R19

BJ- Banjo Hose Tail

PART NUMBER	Products Description									
	Hose In-Dia	Banjo ID	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04BJ04	0.25	1/4			29.4	1.16			57.1	2.24

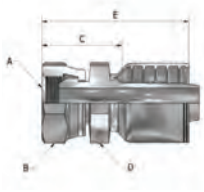
100R1, 100R2, 100R16 & 100R19

MBJ - Banjo Hose Tail

PART NUMBER	Products Description									
	Hose In-Dia	Banjo ID	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04MBJ12	0.25				29.4	1.16			57.1	2.24

100R1, 100R2, 100R16 & 100R19

BF - BSP Female Parallel Pipe Swivel Straight 60° Cone



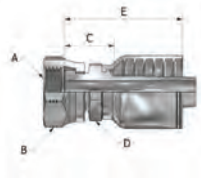
SS = Stainless Steel

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04BF02	1/4	1/8-28	14.0	0.55	29.4	1.16	14.0	0.55	49.7	1.96
K04BF04	1/4	1/4-19	19.0	0.75	32.7	1.29	19.0	0.75	53.0	2.09
K04BF04**SS**	1/4	1/4-19	19.0	0.75	32.7	1.29	19.0	0.75	53.0	2.09
K04BF06	1/4	3/8-19	22.0	0.87	36.2	1.43	22.0	0.87	56.5	2.22
K05BF06	5/16	3/8-19	22.0	0.87	36.7	1.44	22.0	0.87	57.7	2.27
K06BF04	3/8	1/4-19	19.0	0.75	33.5	1.32	19.0	0.75	60.7	2.39
K06BF06	3/8	3/8-19	22.0	0.87	36.8	1.45	22.0	0.87	64.0	2.52
K06BF06**SS**	3/8	3/8-19	22.0	0.87	36.8	1.45	22.0	0.87	64.0	2.52
K06BF08	3/8	1/2-14	27.0	1.06	40.5	1.59	27.0	1.06	67.7	2.67
K08BF06	1/2	3/8-19	22.0	0.87	37.9	1.49	22.0	0.87	68.1	2.68
K08BF08	1/2	1/2-14	27.0	1.06	41.0	1.61	27.0	1.06	71.2	2.80
K08BF08**SS**	1/2	1/2-14	27.0	1.06	41.0	1.61	27.0	1.06	71.2	2.80
K08BF10	1/2	5/8-14	28.6	1.12	38.2	1.50	27.0	1.06	68.4	2.69
K08BF12	1/2	3/4-14	32.0	1.26	45.5	1.79	32.0	1.26	75.7	2.98
K10BF08	5/8	1/2-14	27.0	1.06	41.6	1.64	27.0	1.06	76.9	3.03
K10BF10	5/8	5/8-14	28.6	1.12	38.7	1.52	27.0	1.06	74.0	2.91
K10BF12	5/8	3/4-14	32.0	1.26	46.0	1.81	32.0	1.26	81.3	3.20
K12BF12	3/4	3/4-14	32.0	1.26	46.0	1.81	32.0	1.26	81.4	3.20

K12BF12**SS**	3/4	3/4-14	32.0	1.26	46.0	1.81	32.0	1.26	81.4	3.20
K12BF16	3/4	1-11	41.0	1.61	50.2	1.98	41.0	1.61	85.6	3.37
K16BF16	1	1-11	41.0	1.61	52.7	2.07	41.0	1.61	93.5	3.68
K16BF16**SS**	1	1-11	41.0	1.61	52.7	2.07	41.0	1.61	93.5	3.68
K16BF20	1	1-1/4-11	50.0	1.97	59.9	2.36	50.0	1.97	100.7	3.96
K20BF20	1-1/4	1-1/4-11	50.0	1.97	60.3	2.37	50.0	1.97	104.0	4.09
K24BF24	1-1/2	1-1/2-11	60.0	2.36	62.8	2.47	55.0	2.17	97.2	3.83
K32BF32	2	2-11	70.0	2.76	70.7	2.78	70.0	2.76	114.6	4.51

100R1, 100R2, 100R16 & 100R19

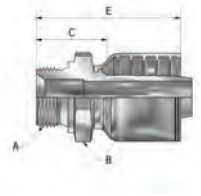
BFF - BSP Female Flat Face



PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	DAE-HAN	Inch
		A	B		C		D		E	
K06BFF06	3/8	3/8-19	22.0	0.87	25.7	1.01	17.5	0.69	52.9	2.08
K06BFF08	3/8	1/2-14	27.0	1.06	25.1	0.99	20.6	0.81	52.3	2.06
K08BFF08	1/2	1/2-14	27.0	1.06	25.5	1.00	22.0	0.87	55.7	2.19

100R1, 100R2, 100R16 & 100R19

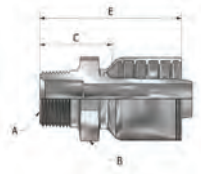
BPM - BSP Male Parallel 60° Cone



PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
K04BPM04	1/4	1/4-19	19.0	0.75	28.7	1.13	48.1	1.89		
K06BPM06	3/8	3/8-19	22.0	0.87	31.7	1.25	58.9	2.32		
K06BPM08	3/8	1/2-14	27.0	1.06	34.2	1.35	61.4	2.42		
K08BPM08	1/2	1/2-14	27.0	1.06	34.6	1.36	64.8	2.55		
K12BPM12	3/4	3/4-14	36.0	1.42	37.3	1.47	72.7	2.86		
K12BPM16	3/4	1-11	41.0	1.61	41.3	1.63	76.7	3.02		
K16BPM16	1	1-11	41.0	1.61	43.8	1.72	84.6	3.33		

100R1, 100R2, 100R16 & 100R19

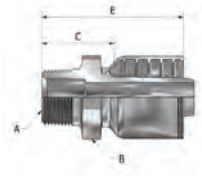
BM - BSP Male Taper



SS = Stainless Steel

PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
K04BM02	1/4	1/8-28	14.3	0.56	24.7	0.97	45.0	1.77		
K04BM04	1/4	1/4-19	14.3	0.56	28.2	1.11	47.8	1.88		
K04BM06	1/4	3/8-19	22.0	0.87	30.1	1.19	49.7	1.96		
K04BM08	1/4	1/2-14	27.0	1.06	34.7	1.37	54.3	2.14		
K06BM04	3/8	1/4-19	19.0	0.75	31.4	1.24	58.6	2.31		
K06BM06	3/8	3/8-19	22.0	0.87	30.7	1.21	57.9	2.28		

Continued on following page...



K06BM06**SS**	3/8	3/8-19	22.0	0.87	30.7	1.21	57.9	2.28		
K06BM08	3/8	1/2-14	27.0	1.06	35.3	1.39	62.5	2.46		
K08BM06	1/2	3/8-19	22.0	0.87	32.0	1.26	62.2	2.45		
K08BM08	1/2	1/2-14	27.0	1.06	35.8	1.41	66.0	2.60		
K10BM08	5/8	1/2-14	27.0	1.06	36.3	1.43	71.6	2.82		
K10BM12	5/8	3/4-14	36.0	1.42	40.4	1.59	75.7	2.98		
K12BM12	3/4	3/4-14	36.0	1.42	40.4	1.59	75.8	2.98		
K12BM16	3/4	1"-11	41.0	1.61	45.2	1.78	80.6	3.17		
K16BM16	1	1"-11	41.0	1.61	47.6	1.87	88.4	3.48		
K16BM20	1	1 1/4-11	41.0	1.61	47.6	1.87	88.4	3.48		
K20BM20	1-1/4	1-1/4-11	50.0	1.97	52.6	2.07	96.3	3.79		
K24BM24	1-1/2	1-1/2-11	60.0	2.36	52.8	2.08	87.2	3.43		
K32BM32	2	2"-11	70.0	2.76	63.1	2.48	107.0	4.21		

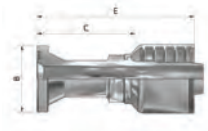
100R1, 100R2, 100R16 & 100R19

BBPM - BSP Male BULKHEAD Parallel 60° Cone

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
K08BBPM08	1/2	1/2-14	27.0	1.06	34.6	1.36				
K10BBPM10	5/8	5/8-14								

100R1, 100R2, 100R16 & 100R19

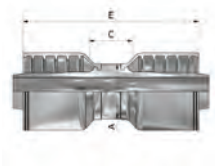
F61 - SAE Code 61 Flange Straight



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
K08F6108	1/2	1/2	30.2	1.19	57.6	2.27	87.8	3.46		
K08F6112	1/2	3/4	38.1	1.50	31.7	1.25	61.9	2.44		
K10F6110	5/8	5/8	34.1	1.34	61.9	2.44	97.2	3.83		
K12F6110	3/4	5/8	34.1	1.34	64.8	2.55	100.2	3.94		
K12F6112	3/4	3/4	38.1	1.50	62.6	2.46	98.0	3.86		
K12F6116	3/4	1	44.5	1.75	34.2	1.35	69.6	2.74		
K12F6120	3/4	1-1/4	50.8	2.00	39.8	1.57	75.2	2.96		
K16F6116	1	1	44.5	1.75	67.1	2.64	107.9	4.25		
K16F6120	1	1-1/4	50.8	2.00	40.4	1.59	81.2	3.20		
K16F6124	1	1-1/2	60.3	2.37	45.6	1.80	86.4	3.40		
K20F6116	1-1/4	1	44.5	1.75	67.6	2.66	111.3	4.38		
K20F6120	1-1/4	1-1/4	50.8	2.00	75.7	2.98	119.4	4.70		
K20F6124	1-1/4	1-1/2	60.3	2.37	38.1	1.50	81.8	3.22		
K24F6124	1-1/2	1-1/2	60.3	2.37	82.2	3.24	116.6	4.59		
K32F6132	2	2	71.4	2.81	83.2	3.28	127.1	5.00		
K32F6140	2	2-1/2	84.1	3.31	53.7	2.11	97.6	3.84		

100R1, 100R2, 100R16 & 100R19

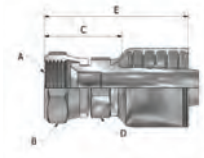
HJ - Hose Joiner



PART NUMBER	Products Description									
	Hose In-Dia	Nipple	Tail-Growth		Overall length					
		MM	Inch	MM	Inch	MM	Inch			
		A		C		E				
K04HJ04	1/4	13.7	0.54	20.5	0.81	59.7	2.35			
K05HJ05	5/16	15	0.59	21.5	0.85	63.4	2.50			
K06HJ06	3/8	17.5	0.69	21.6	0.85	76.0	2.99			
K08HJ08	1/2	21	0.83	24.6	0.97	85.0	3.35			
K10HJ10	5/8	25	0.98	26.6	1.05	97.1	3.82			

100R1, 100R2, 100R16 & 100R19

JF - JIC Female 37° Swivel Straight



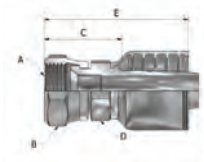
SS = Stainless Steel

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K03JF07	3/16	7/16-20	14.3	0.56	32.2	1.27	14.3	0.56	47.9	1.89
K03JF09	3/16	9/16-18	17.5	0.69	34.5	1.36	17.5	0.69	50.2	1.98
K04JF07	1/4	7/16-20	14.3	0.56	29.8	1.17	14.3	0.56	50.1	1.97
K04JF07**SS**	1/4	7/16-20	14.3	0.56	29.8	1.17	14.3	0.56	50.1	1.97
K04JF08	1/4	1/2-20	15.9	0.62	31.3	1.23	14.3	0.56	51.6	2.03
K04JF09	1/4	9/16-18	17.5	0.69	32.7	1.29	14.3	0.56	53.0	2.09
K04JF09**SS**	1/4	9/16-18	17.5	0.69	32.7	1.29	14.3	0.56	53.0	2.09
K04JF12	1/4	3/4-16	22.2	0.87	37.5	1.48	20.6	0.81	57.8	2.28
K05JF09	5/16	9/16-18	17.5	0.69	33.2	1.31	17.5	0.69	54.2	2.13
K06JF07	3/8	7/16-20	14.3	0.56	30.0	1.18	17.5	0.69	57.2	2.25
K06JF09	3/8	9/16-18	17.5	0.69	32.5	1.28	17.5	0.69	59.7	2.35
K06JF09**SS**	3/8	9/16-18	17.5	0.69	32.5	1.28	17.5	0.69	59.7	2.35
K06JF12	3/8	3/4-16	22.2	0.87	35.4	1.39	17.5	0.69	62.6	2.46
K06JF12**SS**	3/8	3/4-16	22.2	0.87	35.4	1.39	17.5	0.69	62.6	2.46
K06JF14	3/8	7/8-14	25.4	1.00	41.0	1.61	22.2	0.87	68.2	2.69
K08JF09	1/2	9/16-18	17.5	0.69	33.0	1.30	20.6	0.81	63.2	2.49
K08JF12	1/2	3/4-16	22.2	0.87	38.6	1.52	20.6	0.81	68.8	2.71
K08JF12**SS**	1/2	3/4-16	22.2	0.87	38.6	1.52	20.6	0.81	68.8	2.71
K08JF14	1/2	7/8-14	25.4	1.00	41.5	1.63	22.2	0.87	71.7	2.82
K08JF17	1/2	1-1/16-12	31.8	1.25	39.8	1.57	27.0	1.06	70.0	2.76
K10JF12	5/8	3/4-16	22.2	0.87	36.3	1.43	23.8	0.94	71.6	2.82
K10JF14	5/8	7/8-14	25.4	1.00	39.2	1.54	23.8	0.94	74.5	2.93
K10JF14**SS**	5/8	7/8-14	25.4	1.00	39.2	1.54	23.8	0.94	74.5	2.93
K10JF17	5/8	1-1/16-12	31.8	1.25	43.6	1.72	27.0	1.06	78.9	3.11
K12JF12	3/4	3/4-16	22.2	0.87	36.4	1.43	27.0	1.06	71.8	2.83
K12JF14	3/4	7/8-14	25.4	1.00	38.9	1.53	27.0	1.06	74.4	2.93

Continued on following page...

100R1, 100R2, 100R16 & 100R19

JF - JIC Female 37° Swivel Straight *Continued...*

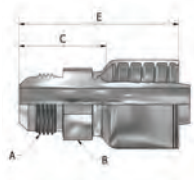


SS = Stainless Steel

K12JF17	3/4	1-1/16-12	31.8	1.25	45.1	1.78	27.0	1.06	80.5	3.17
K12JF17**SS**	3/4	1-1/16-12	31.8	1.25	45.1	1.78	27.0	1.06	80.5	3.17
K12JF19	3/4	1-3/16-12	36.0	1.42	45.7	1.80	31.8	1.25	81.1	3.19
K12JF21	3/4	1-5/16-12	38.0	1.50	48.0	1.89	31.8	1.25	83.4	3.28
K16JF17	1	1-1/16-12	31.8	1.25	47.9	1.89	35.0	1.38	88.7	3.49
K16JF21	1	1-5/16-12	38.0	1.50	50.5	1.99	35.0	1.38	91.3	3.59
K16JF21**SS**	1	1-5/16-12	38.0	1.50	50.5	1.99	35.0	1.38	91.3	3.59
K16JF26	1	1-5/8-12	50.0	1.97	56.4	2.22	41.3	1.62	97.2	3.83
K20JF21	1-1/4	1-5/16-12	38.0	1.50	52.4	2.06	47.6	1.87	96.1	3.78
K20JF26	1-1/4	1-5/8-12	50.0	1.97	56.7	2.23	47.6	1.87	100.4	3.95
K20JF30	1-1/4	1-7/8-12	55.0	2.17	59.8	2.35	54.0	2.13	103.4	4.07
K24JF30	1-1/2	1-7/8-12	55.0	2.17	61.7	2.43	54.0	2.13	96.1	3.78
K32JF40	2	2-1/2-12	73.0	2.87	77.2	3.04	63.5	2.50	121.1	4.77

100R1, 100R2, 100R16 & 100R19

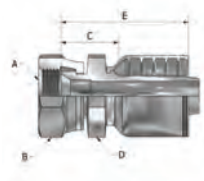
JM - JIC Male 37° Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
K04JM07	1/4	7/16-20	14.3	0.56	30.8	1.21	51.1	2.01		
K04JM08	1/4	1/2-2.0	14.3	0.56			47	1.85		
K04JM09	1/4	9/16-18	17.5	0.69	27.3	1.07	47.6	1.87		
K04JM12	1/4	3/4-16	22.2	0.87	36.2	1.43	56.5	2.22		
K06JM09	3/8	9/16-18	19.0	0.75	34.2	1.35	61.4	2.42		
K06JM12	3/8	3/4-16	22.2	0.87	32.7	1.29	59.9	2.36		
K06JM14	3/8	7/8-14	23.8	0.94	35.2	1.39	62.4	2.46		
K08JM12	1/2	3/4-16	22.2	0.87	37.3	1.47	67.5	2.66		
K08JM14	1/2	7/8-14	23.8	0.94	35.7	1.41	65.9	2.59		
K08JM17	1/2	1-1/16-12	28.6	1.12	45.1	1.78	75.3	2.96		
K10JM14	5/8	7/8-14	23.8	0.94	41.8	1.65	77.1	3.04		
K10JM17	5/8	1-1/16-12	28.6	1.12	45.6	1.80	80.9	3.19		
K12JM17	3/4	1-1/16-12	28.6	1.12	45.6	1.80	81.0	3.19		
K12JM21	3/4	1-5/16-12	35.0	1.38	47.4	1.87	82.8	3.26		
K16JM21	1	1-5/16-12	35.0	1.38	51.4	2.02	92.2	3.63		
K16JM26	1	1-5/8-12	47.6	1.87	53.2	2.09	94.0	3.70		
K20JM26	1-1/4	1-5/8-12	47.6	1.87	53.6	2.11	97.2	3.83		

100R1, 100R2, 100R16 & 100R19

IBF - JIS (BSP) Female Parallel Pipe Swivel 30° Flare Straight

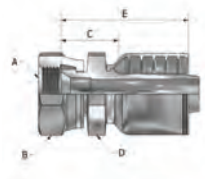


PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04IBF04	1/4	1/4-19	19.0	0.75	22.7	0.89	19.0	0.75	42.3	1.67
K04IBF06	1/4	3/8-19	22.0	0.87	25.5	1.00	22.0	0.87	45.1	1.78

Continued on following page...

100R1, 100R2, 100R16 & 100R19

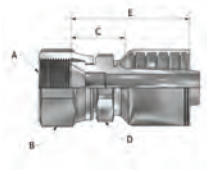
IBF - JIS (BSP) Female Parallel Pipe Swivel 30° Flare Straight



K06IBF06	3/8	3/8-19	22.0	0.87	26.1	1.03	22.0	0.87	53.3	2.10
K08IBF08	1/2	1/2-14	27.0	1.06	27.9	1.10	27.0	1.06	58.1	2.29
K10IBF12	5/8	3/4-14	36.0	1.42	32.4	1.28	36.0	1.42	67.7	2.67
K12IBF12	3/4	3/4-14	36.0	1.42	32.4	1.28	36.0	1.42	67.8	2.67
K16IBF16	1	1-11	41.0	1.61	36.9	1.45	41.0	1.61	77.7	3.06

100R1, 100R2, 100R16 & 100R19

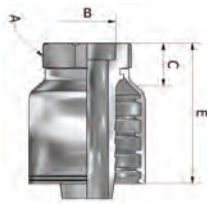
KF - Komatsu Female Swivel Straight 30° Flare JIS Metric



PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04KF14	1/4	M14*1.5P	19.0	0.75	22.5	0.89	19.0	0.75	42.3	1.67
K04KF18	1/4	M18*1.5P	24.0	0.94	25.5	1.00	22.0	0.87	45.1	1.78
K06KF14	3/8	M14*1.5P	19.0	0.75	23.3	0.92	19.0	0.75	50.5	1.99
K06KF16	3/8	M16*1.5P	22.0	0.87	26.1	1.03	22.0	0.87	53.3	2.10
K06KF18	3/8	M18*1.5P	24.0	0.94	26.1	1.03	22.0	0.87	53.3	2.10
K06KF20	3/8	M20*1.5P								
K06KF22	3/8	M22*1.5P	27.0	1.06	27.4	1.08	27.0	1.06	54.6	2.15
K08KF22	1/2	M22*1.5P	27.0	1.06	27.9	1.10	27.0	1.06	58.1	2.29
K08KF24	1/2	M24*1.5P	32.0	1.26	31.4	1.24	30.0	1.18	61.6	2.43
K10KF24	5/8	M24*1.5P	32.0	1.26	31.9	1.26	30.0	1.18	67.2	2.65
K12KF24	3/4	M24*1.5P	32.0	1.26	31.9	1.26	30.0	1.18	67.3	2.65
K12KF30	3/4	M30*1.5P	36.0	1.42	32.4	1.28	32.0	1.26	67.8	2.67
K16KF33	1	M33*1.5P	41.0	1.61	39.0	1.54	36.0	1.42	79.8	3.14
K24KF42	1 1/2	M42*1.5P								

100R1, 100R2, 100R16 & 100R19

LS - Lifesaver



PART NUMBER	Products Description									
	Hose In-Dia	Nipple Hex		In-Dia		Tail-Growth		Overall length		
		MM	Inch	MM	Inch	MM	Inch	MM	Inch	
		A		B		C		E		
K04LS04	1/4	14	0.55	6.35	0.25	13.3	0.52	32.7	1.29	
K04LS05	1/4	14	0.55	8.2	0.32	13.3	0.52	32.7	1.29	
K06LS06	3/8	17.46	0.69	9.5	0.37	13.7	0.54	40.9	1.61	
K06LS08	3/8	17.46	0.69	12.6	0.50	13.7	0.54	40.9	1.61	
K08LS08	1/2	20.63	0.81	12.6	0.50	14.2	0.56	44.4	1.75	
K10LS10	5/8	23.8	0.94	16.2	0.64	17.9	0.70	53.2	2.09	
K12LS12	3/4	27	1.06	19.4	0.76	18.0	0.71	53.3	2.10	
K16LS16	1	35	1.38	25.7	1.01	24.1	0.95	64.9	2.56	
K20LS20	1-1/4	46	1.81	31.8	1.25	26.2	1.03	69.9	2.75	

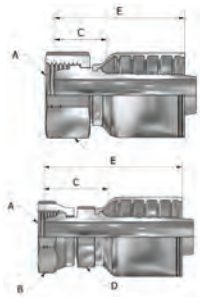
100R1, 100R2, 100R16 & 100R19

MFF - Metric Female Flat Face Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04MFF14	1/4	M14*1.5P								
K06MFF16	3/8	M16*1.5P								
K06MFF18	3/8	M18*1.5P								
K08MFF22	1/2	M22*1.5P								
K10MFF27	5/8	M27*1.5P								
K12MFF30	3/4	M30*2P								
K12MFF36	3/4	M36*2P								
K16MFF36	1	M36*2P								
K16MFF39	1	M39*2P								
K16MFF42	1	M42*2P								

100R1, 100R2, 100R16 & 100R19

MF - Metric Female Ball Nose Straight 24° Cone



(L) = Light Series Metric
(S) = Heavy Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04MF0612A (L)	1/4	M12*1.5P	15.9	0.62	25.6	1.01	14.0	0.55	45.2	1.78
K04MF0614A (S)	1/4	M14*1.5P	17.5	0.69	24.7	0.97	14.0	0.55	45.0	1.77
K04MF0814A (L)	1/4	M14*1.5P	17.5	0.69	26.0	1.02	17.0	0.67	45.6	1.80
K04MF0816A (S)	1/4	M16*1.5P	19.0	0.75	19.6	0.77			39.2	1.54
K04MF1016A (L)	1/4	M16*1.5P	19.0	0.75	30.1	1.19	19.0	0.75	50.4	1.98
K04MF1018A (S)	1/4	M18*1.5P	22.0	0.87	21.8	0.86			41.4	1.63
K04MF1218A (L)	1/4	M18*1.5P	22.0	0.87	21.8	0.86			41.4	1.63
K06MF0816A (S)	3/8	M16*1.5P	19.0	0.75	28.4	1.12	17.0	0.67	55.6	2.19
K06MF1016A (L)	3/8	M16*1.5P	19.0	0.75	31.4	1.24	19.0	0.75	58.6	2.31
K06MF1018A (S)	3/8	M18*1.5P	22.0	0.87	32.9	1.30	17.0	0.67	60.1	2.37
K06MF1218A (L)	3/8	M18*1.5P	22.0	0.87	31.3	1.23	17.0	0.67	58.5	2.30
K06MF1220A (S)	3/8	M20*1.5P	24.0	0.94	24.4	0.96			51.6	2.03
K06MF1422A (S)	3/8	M22*1.5P	27.0	1.06	24.3	0.96			51.5	2.03
K06MF1522A (L)	3/8	M22*1.5P	27.0	1.06	23.8	0.94			51.0	2.01
K08MF1218A (L)	1/2	M18*1.5P	22.0	0.87	32.9	1.30	22.0	0.87	63.1	2.48
K08MF1422A (S)	1/2	M22*1.5P	27.0	1.06	35.6	1.40	22.0	0.87	65.8	2.59
K08MF1522A (L)	1/2	M22*1.5P	27.0	1.06	35.6	1.40	22.0	0.87	65.8	2.59
K08MF1624A (S)	1/2	M24*1.5P	30.0	1.18	27.4	1.08			55.6	2.19
K08MF1826A (L)	1/2	M26*1.5P	32.0	1.26	24.3	0.96			54.5	2.15
K10MF1826A (L)	5/8	M26*1.5P	32.0	1.26	33.8	1.33	24.0	0.94	69.1	2.72
K10MF2030B (S)	5/8	M30*2.0P	36.0	1.42						

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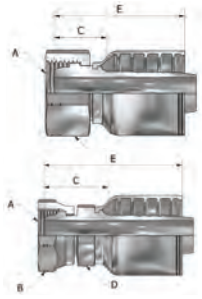
100R1, 100R2, 100R16 & 100R19

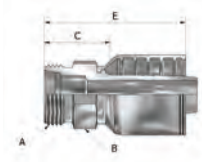
MF - Metric Female Ball Nose Straight 24° Cone *Continued...*



K10MF2536B (S)	5/8	M36*2.0P								
K12MF1826A (L)	3/4	M26*1.5P								
K12MF2030B (S)	3/4	M30*2.0P	36.0	1.42	27.2	1.07			62.6	2.46
K12MF2230A	3/4	M30*1.5P	36.0	1.42	26.6	1.05			62.0	2.44
K12MF2230B (L)	3/4	M30*2.0P								
K12MF2536B (S)	3/4	M36*2.0P	46.0	1.81	28.2	1.11			63.6	2.50
K16MF2836B (L)	1	M36*2.0P	43.0	1.69	46.9	1.85	35.0	1.38	87.7	3.45
K16MF3042B (S)	1	M42*2.0P	50.0	1.97	32.1	1.26			72.9	2.87
K20MF3545B (L)	1-1/4	M45*2.0P	50.0	1.97	51.1	2.01			94.7	3.73

100R1, 100R2, 100R16 & 100R19

MM - Metric Male Straight 24° Cone

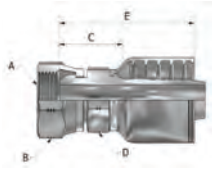


(L) = Light Series Metric
(S) = Heavy Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
K04MM0612A (L)	1/4	M12*1.5P	14.0	0.55	23.0	0.91	42.6	1.68		
K04MM0614A (S)	1/4	M14*1.5P	14.0	0.55						
K04MM0814A (L)	1/4	M14*1.5P	14.0	0.55	23.0	0.91	42.6	1.68		
K04MM0816A (S)	1/4	M16*1.5P	17.0	0.67	25.0	0.98	44.6	1.76		
K04MM1016A (L)	1/4	M16*1.5P	19.0	0.75	23.9	0.94	43.5	1.71		
K04MM1018A (S)	1/4	M18*1.5P	19.0	0.75	26.8	1.06	46.6	1.83		
K06MM0814A (L)	3/8	M14*1.5P	14.0	0.55	27.2	1.07				
K06MM0816A (S)	3/8	M16*1.5P	19.0	0.75	27.2	1.07	54.4	2.14		
K06MM1016A (L)	3/8	M16*1.5P	19.0	0.75	26.2	1.03	53.4	2.10		
K06MM1018A (S)	3/8	M18*1.5P	22.0	0.87	28.1	1.11	55.3	2.18		
K06MM1218A (L)	3/8	M18*1.5P	19.0	0.75	26.2	1.03	53.4	2.10		
K06MM1220A (S)	3/8	M20*1.5P	22.0	0.87	29.2	1.15	56.4	2.22		
K06MM1422A (S)	3/8	M22*1.5P	22.0	0.87	31.1	1.22	58.3	2.30		
K06MM1522A (L)	3/8	M22*1.5P	22.0	0.87	29.1	1.15	56.3	2.22		
K08MM1218A (L)	1/2	M18*1.5P	22.0	0.87	28.6	1.13	58.8	2.31		
K08MM1422A (S)	1/2									
K08MM1522A (L)	1/2	M22*1.5P	22.0	0.87	29.6	1.17	59.8	2.35		
K08MM1624A (S)	1/2	M24*1.5P	24.0	0.94	31.6	1.24	61.8	2.43		
K08MM1826A (L)	1/2	M26*1.5P	27.0	1.06	31.8	1.25	62.0	2.44		
K10MM1826A (L)	5/8	M26*1.5P	27.0	1.06	32.3	1.27	67.6	2.66		
K10MM2030B (S)	5/8	M30*2.0P	30.0	1.18	36.3	1.43	71.6	2.82		
K12MM2030B (S)	3/4	M30*2.0P	30.0	1.18	34.0	1.34	69.4	2.73		
K12MM2230B (L)	3/4	M30*2.0P	30.0	1.18	34.0	1.34	69.4	2.73		
K12MM2536B (S)	3/4	M36*2.0P	41.0	1.61	38.5	1.52	73.9	2.91		
K12MM3042B (S)	3/4	M42*2.0P	46.0	1.81	41.6	1.64	77.0	3.03		
K16MM2536B (S)	1	M36*2.0P	41.0	1.61	41.0	1.61	81.8	3.22		
K16MM2836B (L)	1	M36*2.0P	36.0	1.42	36.6	1.44	77.4	3.05		
K16MM3042B (S)	1	M42*2.0P	46.0	1.81	44.1	1.74	84.9	3.34		

100R1, 100R2, 100R16 & 100R19

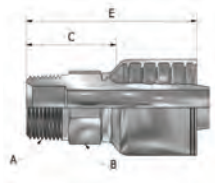
NF - NPT Female S/W Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread NPSM	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04NF04	1/4	1/4-18	19.0	0.75	26.7	1.05	14.3	0.56	47.0	1.85
K06NF06	3/8	3/8-18	22.0	0.87	27.2	1.07	17.5	0.69	54.4	2.14
K08NF08	1/2	1/2-14	25.4	1.00	29.4	1.16	23.8	0.94	59.6	2.35

100R1, 100R2, 100R16 & 100R19

NM - Taper Male NPT Straight

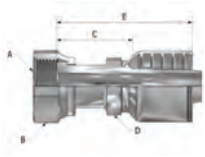


SS = Stainless Steel

PART NUMBER	Products Description									
	Hose In-Dia	Thread NPTF	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	SAE		
		A	B		C		E			
K04NM02	1/4	1/8-27	14.3	0.56	26.0	1.02	45.6	1.80		
K04NM04	1/4	1/4-18	14.3	0.56	31.6	1.24	51.2	2.02		
K04NM04**SS**	1/4	1/4-18	14.3	0.56	31.6	1.24	51.2	2.02		
K04NM06	1/4	3/8-18	17.5	0.69	27.8	1.09	47.4	1.87		
K06NM04	3/8	1/4-18	19.0	0.75	32.2	1.27	59.4	2.34		
K06NM06	3/8	3/8-18	19.0	0.75	34.5	1.36	61.7	2.43		
K06NM08	3/8	1/2-14	22.2	0.87	35.0	1.38	62.2	2.45		
K08NM06	1/2	3/8-18	22.0	0.87	34.9	1.37	65.1	2.56		
K08NM08	1/2	1/2-14	22.0	0.87	41.3	1.63	71.5	2.81		
K08NM08**SS**	1/2	1/2-14	22.0	0.87	41.3	1.63	71.5	2.81		
K12NM12	3/4	3/4-14	27.0	1.06	43.0	1.69	78.4	3.09		
K16NM16	1	1-11-1/2	35.0	1.38	50.4	1.98	91.2	3.59		
K16NM16**SS**	1	1-11-1/2	35.0	1.38	50.4	1.98	91.2	3.59		
K20NM20	1-1/4	1-1/4-11-1/2	44.5	1.75	59.9	2.36	103.6	4.08		
K24NM24	1-1/2	1-1/2-11-1/2	50.8	2.00	54.5	2.15	88.9	3.50		
K32NM32	2	2-11-1/2	63.5	2.50	59.3	2.33	103.2	4.06		

100R1, 100R2, 100R16 & 100R19

FO - Female O-Ring Face Seal Swivel Straight

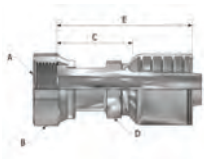


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04FO09	1/4	9/16-18	17.5	0.69	33.1	1.30	14.3	0.56	52.7	2.07
K04FO11	1/4	11/16-16	22.0	0.87	31.6	1.24	17.5	0.69	51.2	2.02
K06FO09	3/8	9/16-18	17.5	0.69	33.5	1.32	17.5	0.69	60.7	2.39
K06FO11	3/8	11/16-16	22.0	0.87	32.2	1.27	17.5	0.69	59.4	2.34
K06FO13	3/8	13/16-16	23.8	0.94	38.5	1.52	20.6	0.81	65.7	2.59

Continued on following page...

100R1, 100R2, 100R16 & 100R19

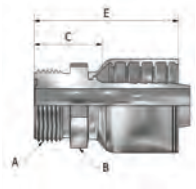
FO - Female O-Ring Face Seal Swivel Straight *Continued...*



K06FO16	3/8	1-14	30.0	1.18	44.5	1.75	23.8	0.94	71.7	2.82
K08FO11	1/2	11/16-16	22.0	0.87	32.7	1.29	20.6	0.81	62.9	2.48
K08FO13	1/2	13/16-16	23.8	0.94	39.8	1.57	22.0	0.87	70.0	2.76
K08FO16	1/2	1-14	30.0	1.18	42.8	1.69	23.8	0.94	73.0	2.87
K08FO19	1/2	1-3/16-12	36.0	1.42	48.1	1.89	28.6	1.12	78.3	3.08
K10FO16	5/8	1-14	30.0	1.18	43.3	1.70	23.8	0.94	78.6	3.09
K10FO19	5/8	1-3/16-12	36.0	1.42	48.0	1.89	28.6	1.12	83.3	3.28
K12FO16	3/4	1-14	30.0	1.18	46.0	1.81	27.0	1.06	81.4	3.20
K12FO19	3/4	1-3/16-12	36.0	1.42	48.6	1.91	28.6	1.12	84.0	3.31
K12FO23	3/4	1-7/16-12	41.0	1.61	50.2	1.98	35.0	1.38	85.6	3.37
K16FO23	1	1-7/16-12	41.0	1.61	51.1	2.01	35.0	1.38	91.9	3.62
K16FO27	1	1-11/16-12	50.0	1.97	55.2	2.17	41.0	1.61	96.0	3.78
K20FO27	1-1/4	1-11/16-12	50.0	1.97	52.1	2.05	46.0	1.81	95.8	3.77

100R1, 100R2, 100R16 & 100R19

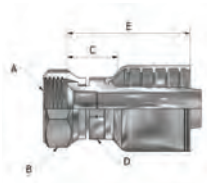
MO - Male O-Ring Face Seal



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
K04MO09	1/4	9/16-18	17.0	0.67	24.2	0.95	44.5	1.75		
K04MO11	1/4	11/16-16	19.0	0.75	25.4	1.00	45.7	1.80		
K06MO11	3/8	11/16-16	19.0	0.75	26.0	1.02	53.2	2.09		
K06MO13	3/8	13/16-16	22.0	0.87	31.3	1.23	58.5	2.30		
K08MO13	1/2	13/16-16	22.0	0.87	31.8	1.25	62.0	2.44		
K08MO16	1/2	1"-14	27.0	1.06	36.8	1.45	67.0	2.64		
K10MO16	5/8	1"-14	27.0	1.06	37.3	1.47	72.6	2.86		
K10MO19	5/8	1-3/16-12	32.0	1.26	34.5	1.36	69.8	2.75		
K12MO19	3/4	1-3/16-12	32.0	1.26	34.5	1.36	69.9	2.75		

100R1, 100R2, 100R16 & 100R19

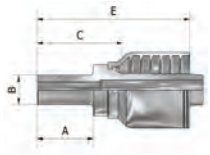
SF - SAE Female Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K06SF10	3/8	5/8-18	19.0	0.75	23.6	0.93	17.5	0.69	50.8	2.00
K10SF17	5/8	1-1/16-14								
K12SF17	3/4	1-1/16-14	32.0	1.26	27.3	1.07	25.4	1.00	62.7	2.47

100R1, 100R2, 100R16 & 100R19

SPM - Stand Pipe Male Straight



PART NUMBER	Products Description									
	Hose In-Dia	Length		Out-Dia		Tail-Growth		Overall length		
		MM	Inch	MM	Inch	MM	Inch	MM	Inch	
		A		B		C		E		
K04SPM06	1/4	22	0.87	6.0	0.24	31.9	1.26	52.2	2.06	

100R1, 100R2, 100R16 & 100R19

PM - UNO Male Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
K04PM09	1/4									
K06PM09	3/8	9/16-18			34.2	1.35				
K06PM12	3/8	3/4-16			32.7	1.29				
K08PM12	1/2	3/4-16			37.3	1.47				
K08PM14	1/2	7/8-14			35.7	1.41				

22.5 Degree

100R1, 100R2, 100R16 & 100R19

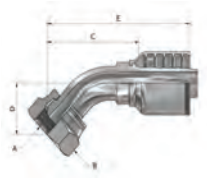
F61 - SAE Code 61 Flange 22.5° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K12F611222.5	3/4	3/4	38.1	1.50	68.0	2.68	15.8	0.62	103.3	4.07
K20F612022.5	1-1/4	1-1/4	50.8	2.00	98.1	3.86	19.7	0.78	141.8	5.58

45 Degree

100R1, 100R2, 100R16 & 100R19

BF - BSP Female Parallel Pipe Swivel 45° Elbow 60° Cone



SS = Stainless Steel

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04BF0445	1/4	1/4-19	19.0	0.75	40.3	1.59	19.8	0.78	59.8	2.35
K04BF0445**SS**	1/4	1/4-19	19.0	0.75	40.3	1.59	19.8	0.78	59.8	2.35
K04BF0645	1/4	3/8-19	22.0	0.87	42.7	1.68	22.2	0.87	63.0	2.48
K06BF0645	3/8	3/8-19	22.0	0.87	44.9	1.77	22.2	0.87	72.1	2.84
K06BF0845	3/8	1/2-14	27.0	1.06	58.5	2.30	28.8	1.13	85.7	3.37
K08BF0845	1/2	1/2-14	27.0	1.06	53.8	2.12	28.0	1.10	84.0	3.31
K10BF1045	5/8	5/8-14	28.6	1.12	53.0	2.09	24.3	0.96	88.3	3.48

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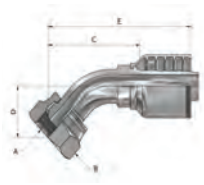
100R1, 100R2, 100R16 & 100R19

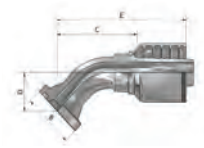
BF - BSP Female Parallel Pipe Swivel 45° Elbow 60° Cone *Continued...*



K12BF1245	3/4	3/4-14	32.0	1.26	68.0	2.68	32.3	1.27	103.3	4.07
K16BF1645	1	1-11	41.0	1.61	86.0	3.39	40.4	1.59	126.8	4.99
K20BF2045	1-1/4	1-1/4-11	50.0	1.97	114.8	4.52	55.5	2.19	158.5	6.24
K24BF2445	1-1/2	1-1/2-11	55.0	2.17	130.0	5.12	60.1	2.37	164.4	6.47
K32BF3245	2	2-11	70.0	2.76	159.1	6.26	68.8	2.71	203.0	7.99

100R1, 100R2, 100R16 & 100R19

F61 - SAE Code 61 Flange 45° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K08F610845	1/2	1/2	30.2	1.19	51.6	2.03	21.5	0.85	81.8	3.22
K08F611245	1/2	3/4	38.1	1.50	52.3	2.06	22.0	0.87	82.5	3.25
K12F611245	3/4	3/4	38.1	1.50	62.4	2.46	26.0	1.02	97.8	3.85
K12F611645	3/4	1	44.5	1.75	64.2	2.53	28.0	1.10	99.6	3.92
K16F611645	1	1	44.5	1.75	79.3	3.12	32.0	1.26	120.1	4.73
K16F612045	1	1-1/4	50.8	2.00	76.0	2.99	32.0	1.26	116.8	4.60
K20F612045	1-1/4	1-1/4	50.8	2.00	98.3	3.87	38.0	1.50	142.0	5.59
K20F612445	1-1/4	1-1/2	60.3	2.37	98.3	3.87	38.0	1.50	142.0	5.59
K24F612445	1-1/2	1-1/2	60.3	2.37	112.4	4.43	41.0	1.61	146.8	5.78
K32F613245	2	2	71.4	2.81	140.2	5.52	50.0	1.97	184.1	7.25

100R1, 100R2, 100R16 & 100R19

JF - JIC Female 37° Swivel 45° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04JF0745	1/4	7/16-20	14.3	0.56	30.4	1.20	10.0	0.39	50.6	1.99
K04JF0845	1/4	1/2-20	15.9	0.62	30.4	1.20	10.0	0.39	50.7	2.00
K04JF0945	1/4	9/16-18	17.5	0.69	31.4	1.24	11.0	0.43	51.7	2.04
K06JF0945	3/8	9/16-18	17.5	0.69	33.7	1.33	11.0	0.43	60.9	2.40
K06JF1245	3/8	3/4-16	22.2	0.87	36.7	1.44	14.0	0.55	63.9	2.52
K06JF1445	3/8	7/8-14	25.4	1.00	40.7	1.60	15.0	0.59	67.9	2.67
K08JF1245	1/2	3/4-16	22.2	0.87	41.1	1.62	15.0	0.59	71.3	2.81
K08JF1445	1/2	7/8-14	25.4	1.00	41.1	1.62	15.0	0.59	71.3	2.81
K08JF1745	1/2	1-1/16-12	31.8	1.25	47.8	1.88	20.0	0.79	78.0	3.07
K10JF1445	5/8	7/8-14	25.4	1.00	44.2	1.74	16.0	0.63	79.4	3.13
K10JF1745	5/8	1-1/16-12	31.8	1.25	55.7	2.19	21.0	0.83	91.0	3.58
K12JF1745	3/4	1-1/16-12	31.8	1.25	64.0	2.52	27.0	1.06	99.4	3.91
K12JF2145	3/4	1-5/16-12	38.1	1.50	59.7	2.35	24.0	0.94	95.1	3.74
K16JF2145	1	1-5/16-12	38.1	1.50	78.5	3.09	33.0	1.30	119.3	4.70
K20JF2645	1-1/4	1-5/8-12	50.0	1.97	102.3	4.03	45.0	1.77	146.0	5.75
K24JF3045	1-1/2	1-7/8-12	55.0	2.17	123.9	4.88	52.0	2.05	158.3	6.23
K32JF4045	2	2-1/2-12	73.0	2.87	145.9	5.74	55.7	2.19	189.8	7.47

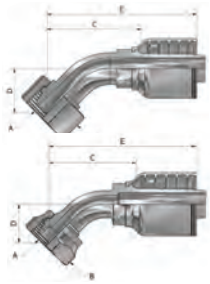
100R1, 100R2, 100R16 & 100R19

MFF - Flat Face Metric Female - 45°

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04MFF1445	1/4	M14*1.5P								
K06MFF1645	3/8	M16*1.5P								
K06MFF1845	3/8	M18*1.5P								
K08MFF2245	1/2	M22*1.5P								
K10MFF2745	5/8	M27*1.5P								
K12MFF3045	3/4	M30*2P								

100R1, 100R2, 100R16 & 100R19

MF - Metric Female Ball Nose 45° Elbow 24° Cone

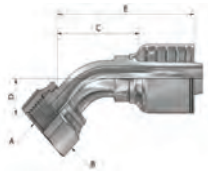


(L) = Light Series Metric
(S) = Heavy Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04MF0612A45 (L)	1/4	M12*1.5P	15.8	0.62	38.4	1.51	15.0	0.59	58.0	2.28
K04MF0614A45 (S)	1/4	M14*1.5P	17.5	0.69	39.4	1.55	16.0	0.63	59.0	2.32
K04MF0814A45 (L)	1/4	M14*1.5P	17.5	0.69	39.4	1.55	16.0	0.63	59.0	2.32
K04MF0816A45 (S)	1/4	M16*1.5P	19.0	0.75	40.5	1.59	15.4	0.61	60.1	2.37
K04MF1016A45 (L)	1/4	M16*1.5P	19.0	0.75	40.5	1.59	15.4	0.61	60.1	2.37
K04MF1018A45 (S)	1/4	M18*1.5P	22.0	0.87	40.9	1.61	15.8	0.62	60.5	2.38
K04MF1218A45 (L)	1/4	M18*1.5P	22.0	0.87	40.9	1.61	15.8	0.62	60.5	2.38
K06MF0816A45 (S)	3/8	M16*1.5P	19.0	0.75	39.1	1.54	16.4	0.65	66.3	2.61
K06MF1016A45 (L)	3/8	M16*1.5P	19.0	0.75	39.7	1.56	17.0	0.67	66.9	2.63
K06MF1018A45 (S)	3/8	M18*1.5P	22.0	0.87	44.7	1.76	22.0	0.87	71.9	2.83
K06MF1218A45 (L)	3/8	M18*1.5P	22.0	0.87	45.8	1.80	18.0	0.71	73.0	2.87
K06MF1220A45 (S)	3/8	M20*1.5P	24.0	0.94	46.7	1.84	19.0	0.75	73.9	2.91
K06MF1422A45 (S)	3/8	M22*1.5P	27.0	1.06	42.7	1.68	20.0	0.79	69.9	2.75
K06MF1522A45 (L)	3/8	M22*1.5P	27.0	1.06	42.7	1.68	20.0	0.79	69.9	2.75
K08MF1522A45 (L)	1/2	M22*1.5P	27.0	1.06	53.7	2.11	20.0	0.79	83.9	3.30
K08MF1624A45 (S)	1/2	M24*1.5P	30.0	1.18	59.0	2.32	24.0	0.94	89.2	3.51
K08MF1826A45 (L)	1/2	M26*1.5P	32.0	1.26	59.0	2.32	24.0	0.94	89.2	3.51
K10MF1826A45 (L)	5/8	M26*1.5P	32.0	1.26	53.3	2.10	24.2	0.95	88.6	3.49
K10MF2030B45 (S)	5/8	M30*2.0P	36.0	1.42	57.2	2.25	28.0	1.10	92.4	3.64
K12MF1826A45 (L)	3/4	M26*1.5P	32.0	1.26	55.9	2.20	24.2	0.95	91.2	3.59
K12MF2030B45 (S)	3/4	M30*2.0P	36.0	1.42	65.3	2.57	29.6	1.17	100.7	3.96
K12MF2230B45 (L)	3/4	M30*2.0P	36.0	1.42	65.3	2.57	29.6	1.17	100.7	3.96
K12MF2536B45 (S)	3/4	M36*2.0P	46.0	1.81	64.3	2.53	30.5	1.20	99.6	3.92
K16MF2836B45 (L)	1	M36*2.0P	43.0	1.69	78.5	3.09	35.0	1.38	119.3	4.70
K16MF3042B45 (S)	1	M42*2.0P	50.0	1.97	80.5	3.17	37.0	1.46	121.3	4.78
K20MF3545B45 (L)	1-1/4	M45*2.0P	50.0	1.97	108.3	4.26	48.0	1.89	152.0	5.98

100R1, 100R2, 100R16 & 100R19

FO - Female O-Ring Face Seal Swivel 45° Elbow

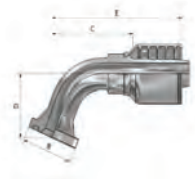


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04FO0945	1/4	9/16-18	17.5	0.69	30.5	1.20	10.0	0.39	50.8	2.00
K04FO1145	1/4	11/16-16	22.0	0.87	31.3	1.23	10.9	0.43	50.9	2.00
K06FO1145	3/8	11/16-16	22.0	0.87	33.7	1.33	11.0	0.43	60.9	2.40
K06FO1345	3/8	13/16-16	23.8	0.94	39.6	1.56	15.0	0.59	66.8	2.63
K08FO1345	1/2	13/16-16	23.8	0.94	41.0	1.61	15.0	0.59	71.2	2.80
K08FO1645	1/2	1-14	30.0	1.18	43.6	1.72	16.0	0.63	73.8	2.91
K10FO1645	5/8	1-14	30.0	1.18	44.2	1.74	16.0	0.63	79.4	3.13
K10FO1945	5/8	1-3/16-12	36.0	1.42	56.8	2.24	21.0	0.83	92.1	3.63
K12FO1945	3/4	1-3/16-12	36.0	1.42	56.8	2.24	21.1	0.83	92.2	3.63
K12FO2345	3/4	1-7/16-12	41.0	1.61	62.2	2.45	26.5	1.04	97.6	3.84
K16FO2345	1	1-7/16-12	41.0	1.61	70.2	2.76	24.0	0.94	111.0	4.37
K20FO2745	1-1/4	1-11/16-12	50.0	1.97	101.2	3.98	41.0	1.61	144.9	5.70

67.5 Degree

100R1, 100R2, 100R16 & 100R19

F61 - SAE Code 61 Flange 67.5° Elbow

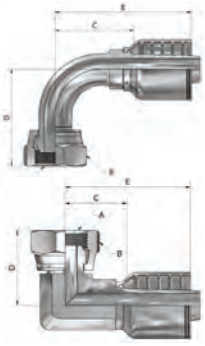


PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K16F611667.5	1	1	44.5	1.75	80.9	3.19	61.4	2.42	121.7	4.79
K20F612467.5	1-1/4	1-1/2	60.3	2.37	92.1	3.63	49.0	1.93	135.7	5.34

90 Degree

100R1, 100R2, 100R16 & 100R19

BF - BSP Female Parallel Pipe Swivel 90° Elbow 60° Cone



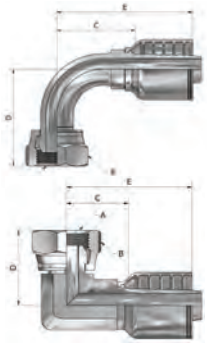
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04BF0490-29MM	1/4	1/4-19	19.0	0.75	25.7	1.01	34.4	1.35	45.3	1.78
K04BF0490B-24.4MM	1/4	1/4-19	19.0	0.75	21.8	0.86	29.6	1.17	41.4	1.63
K04BF0490L-49MM	1/4	1/4-19	19.0	0.75	25.7	1.01	54.2	2.13	45.3	1.78
K04BF0490**SS**-29MM	1/4	1/4-19	19.0	0.75	25.7	1.01	34.4	1.35	45.3	1.78
K04BF0690-33MM	1/4	3/8-19	22.0	0.87	25.7	1.01	40.4	1.59	45.3	1.78

B = Block
SS = Stainless Steel
L = Long Drop

Continued on following page...

100R1, 100R2, 100R16 & 100R19

BF - BSP Female Parallel Pipe Swivel 90° Elbow 60° Cone *Continued...*

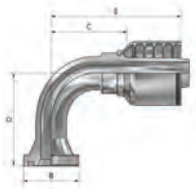


B = Block
SS = Stainless Steel
L = Long Drop

K06BF0690-33MM	3/8	3/8-19	22.0	0.87	30.3	1.19	40.4	1.59	57.5	2.26
K06BF0690B-29.7MM	3/8	3/8-19	22.0	0.87	26.3	1.04	35.4	1.39	53.5	2.11
K06BF0690L-55MM	3/8	3/8-19	22.0	0.87	30.3	1.19	62.4	2.46	57.5	2.26
K06BF0890-40.9MM	3/8	1/2-14	27.0	1.06	38.5	1.52	50.6	1.99	65.7	2.59
K08BF0890-40.9MM	1/2	1/2-14	27.0	1.06	37.8	1.49	50.6	1.99	68.0	2.68
K08BF0890B-32.3MM	1/2	1/2-14	27.0	1.06	28.5	1.12	42.0	1.65	62.7	2.47
K08BF0890L-80MM	1/2	1/2-14	27.0	1.06	34.9	1.37	89.7	3.53	65.1	2.56
K08BF0890**SS**-40.9MM	1/2	1/2-14	27.0	1.06	37.8	1.49	50.6	1.99	68.0	2.68
K10BF1090-42.6MM	5/8	5/8-14	28.6	1.12	40.3	1.59	51.8	2.04	75.6	2.98
K12BF1290-55MM	3/4	3/4-14	32.0	1.26	52.3	2.06	64.0	2.52	87.6	3.45
K12BF1290B-36MM	3/4	3/4-14	36.0	1.42	37.9	1.49	45.0	1.77	73.2	2.88
K12BF1290**SS**-55MM	3/4	3/4-14	32.0	1.26	52.3	2.06	64.0	2.52	87.6	3.45
K16BF1690-73.5MM	1	1-11	41.0	1.61	78.8	3.10	84.0	3.31	119.6	4.71
K16BF1690L-110MM	1	1-11	41.0	1.61	78.8	3.10	120.5	4.74	119.6	4.71
K20BF2090-88.5M	1-1/4	1-1/4-11	50.0	1.97	85.7	3.37	101.9	4.01	129.4	5.09
K24BF2490-110MM	1-1/2	1-1/2-11	55.0	2.17	102.1	4.02	120.0	4.72	136.5	5.37
K32BF3290-138MM	2	2-11	70.0	2.76	141.5	5.57	152.9	6.02	185.4	7.30

100R1, 100R2, 100R16 & 100R19

F61 - SAE Code 61 Flange 90 ° Elbow

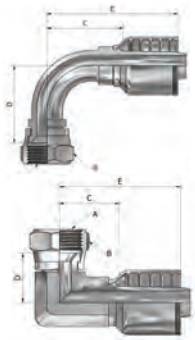


L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K08F610890-43MM	1/2	1/2	30.2	1.19	47.8	1.88	43.0	1.69	78.0	3.07
K08F611290-50MM	1/2	3/4	38.1	1.50	44.9	1.77	50.0	1.97	75.1	2.96
K10F611090-53MM	5/8	5/8	34.1	1.34	45.3	1.78	53.0	2.09	80.6	3.17
K12F611290-58MM	3/4	3/4	38.1	1.50	53.8	2.12	58.0	2.28	89.1	3.51
K12F611290L-83MM	3/4	3/4	38.1	1.50	53.8	2.12	83.0	3.27	89.1	3.51
K12F611690-56.9MM	3/4	1	44.5	1.75	53.8	2.12	58.0	2.28	89.1	3.51
K16F611690-70MM	1	1	44.5	1.75	66.3	2.61	70.0	2.76	107.1	4.22
K16F611690L-117MM	1	1	44.5	1.75	66.3	2.61	117.0	4.61	107.1	4.22
K16F612090-70MM	1	1-1/4	50.8	2.00	66.3	2.61	70.0	2.76	107.1	4.22
K16F612090L-117MM	1	1-1/4	50.8	2.00	91.3	3.59	117.0	4.61	132.1	5.20
K20F611690-70MM	1-1/4	1	44.5	1.75	68.5	2.70	70.0	2.76	112.2	4.42
K20F612090-82MM	1-1/4	1-1/4	50.8	2.00	86.7	3.41	82.0	3.23	130.4	5.13
K20F612090L-140MM	1-1/4	1-1/4	50.8	2.00	106.7	4.20	140.0	5.51	150.4	5.92
K20F612490-90MM	1-1/4	1-1/2	60.3	2.37	86.7	3.41	90.0	3.54	130.4	5.13
K24F612490-104MM	1-1/2	1-1/2	60.3	2.37	103.6	4.08	104.0	4.09	138.0	5.43
K32F613290-120MM	2	2	71.4	2.81	137.1	5.40	120.0	4.72	181.0	7.13
K32F614090-125MM	2	2 1/2								

100R1, 100R2, 100R16 & 100R19

JF - JIC Female 37° Swivel 90° Elbow



B = Block
L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04JF0790-21MM	1/4	7/16-20	14.3	0.56	25.6	1.01	21.0	0.83	45.2	1.78
K04JF0790B-19.8MM	1/4	7/16-20	14.3	0.56	21.8	0.86	19.8	0.78	41.4	1.63
K04JF0790L-46MM	1/4	7/16-20	14.3	0.56	25.4	1.00	46.0	1.81	45.2	1.78
K04JF0890-21MM	1/4	1/2-20	15.9	0.62	25.9	1.02	21.0	0.83	45.5	1.79
K04JF0990-22MM	1/4	9/16-18	17.5	0.69	25.4	1.00	22.0	0.87	45.3	1.78
K04JF0990B-21.2MM	1/4	9/16-18	17.5	0.69	21.8	0.86	21.2	0.83	41.4	1.63
K04JF0990L-30MM	1/4	9/16-18	17.5	0.69	25.7	1.01	30.0	1.18	46.0	1.81
K04JF0990L-47MM	1/4	9/16-18	17.5	0.69	25.4	1.00	47.0	1.85	45.3	1.78
K06JF0990-23MM	3/8	9/16-18	17.5	0.69	30.3	1.19	23.0	0.91	57.5	2.26
K06JF0990-30MM	3/8	9/16-18	17.5	0.69	30.3	1.19	30.0	1.18	57.5	2.26
K06JF0990B-23MM	3/8	9/16-18	17.5	0.69	26.3	1.04	23.0	0.91	53.5	2.11
K06JF0990L-55MM	3/8	9/16-18	17.5	0.69	30.3	1.19	55.0	2.17	57.5	2.26
K06JF1290-28MM	3/8	3/4-16	22.2	0.87	30.3	1.19	28.0	1.10	57.5	2.26
K06JF1290B-24MM	3/8	3/4-16	22.2	0.87	26.3	1.04	24.0	0.94	53.5	2.11
K06JF1290L-62MM	3/8	3/4-16	22.2	0.87	40.3	1.59	62.0	2.44	67.5	2.66
K06JF1490-27.4MM	3/8	7/8-14	25.4	1.00	33.3	1.31	27.4	1.08	60.5	2.38
K06JF1490B-29.4MM	3/8	7/8-14	25.4	1.00	32.0	1.26	29.4	1.16	59.2	2.33
K08JF1290-31MM	1/2	3/4-16	22.2	0.87	34.9	1.37	31.0	1.22	65.1	2.56
K08JF1290B-28.5MM	1/2	3/4-16	22.2	0.87	32.5	1.28	28.5	1.12	62.7	2.47
K08JF1290L-62MM	1/2	3/4-16	22.2	0.87	44.9	1.77	62.0	2.44	75.1	2.96
K08JF1490-31MM	1/2	7/8-14	25.4	1.00	34.9	1.37	31.0	1.22	65.1	2.56
K08JF1490-47MM	1/2	7/8-14	25.4	1.00	34.9	1.37	47.0	1.85	65.1	2.56
K08JF1490B-29.4MM	1/2	7/8-14	25.4	1.00	32.5	1.28	29.4	1.16	62.7	2.47
K08JF1490L-66MM	1/2	7/8-14	25.4	1.00	44.9	1.77	66.0	2.60	75.1	2.96
K08JF1790-46MM	1/2	1-1/16-12	31.8	1.25	38.9	1.53	46.0	1.81	69.1	2.72
K10JF1290-33MM	5/8	3/4-16	22.2	0.87	38.4	1.51	31.0	1.22	73.7	2.90
K10JF1490-34MM	5/8	7/8-14	25.4	1.00	39.3	1.55	34.0	1.34	74.6	2.94
K10JF1490L-66MM	5/8	7/8-14	25.4	1.00	49.3	1.94	66.0	2.60	84.6	3.33
K10JF1790-48MM	5/8	1-1/16-12	31.8	1.25	49.3	1.94	48.0	1.89	84.6	3.33
K12JF1490-40MM	3/8	7/8-14	25.4	1.00	54.0	2.13	40.0	1.57	89.4	3.52
K12JF1790-53MM	3/4	1-1/16-12	31.8	1.25	53.3	2.10	53.0	2.09	88.7	3.49
K12JF1790B-33.9MM	3/4	1-1/16-12	31.8	1.25	37.9	1.49	30.0	1.18	73.2	2.88
K12JF1790L-95MM	3/4	1-1/16-12	31.8	1.25	84.0	3.31	95.0	3.74	119.4	4.70
K12JF2190-56MM	3/4	1-5/16-12	38.1	1.50	53.3	2.10	56.0	2.20	88.7	3.49
K16JF2190-70MM	1	1-5/16-12	38.1	1.50	67.8	2.67	70.0	2.76	108.6	4.28
K16JF2190L-110MM	1	1-5/16-12	38.1	1.50	92.8	3.65	110.0	4.33	133.6	5.26
K20JF2690-85MM	1-1/4	1-5/8-12	50.0	1.97	83.7	3.30	85.0	3.35	127.4	5.02
K20JF2690L-134MM	1-1/4	1-5/8-12	50.0	1.97	103.7	4.08	134.0	5.28	147.4	5.80
K24JF3090-110MM	1-1/2	1-7/8-12	55.0	2.17	104.1	4.10	110.0	4.33	138.5	5.45
K32JF4090-136MM	2	2-1/2-12	73.0	2.87	141.5	5.57	136.0	5.35	185.4	7.30

100R1, 100R2, 100R16 & 100R19

IBF - JIS (BSP) Female Parallel Pipe Swivel 30° Flare 90° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04IBF0490-23.3MM	1/4	1/4-19	19.0	0.75	27.7	1.09	23.3	0.92	47.3	1.86
K04IBF0690-28MM	1/4	3/8-19	22.0	0.87	25.7	1.01	28.0	1.10	45.3	1.78
K06IBF0690-28MM	3/8	3/8-19	22.0	0.87	33.2	1.31	27.0	1.06	60.4	2.38

100R1, 100R2, 100R16 & 100R19

KF - Komatsu Female Swivel 90° Elbow 30° Flare JIS Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04KF1490-23.3MM	1/4	M14*1.5P	19.0	0.75	27.4	1.08	23.3	0.92	47.3	1.86
K06KF1890-28MM	3/8	M18*1.5P	24.0	0.94	33.2	1.31	27.0	1.06	60.4	2.38
K08KF2290-31MM	1/2	M22*1.5P	27.0	1.06	42.0	1.65	31.0	1.22	72.2	2.84
K12KF3090-55MM	3/4	M30*1.5P	36.0	1.42	55.3	2.18	55.0	2.17	90.7	3.57

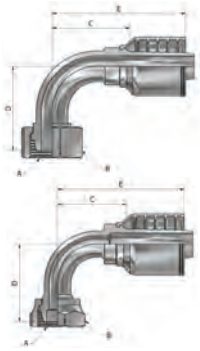
100R1, 100R2, 100R16 & 100R19

MFF - Flat Face Metric Female - 90°

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04MFF1490-28.2MM	1/4	M14*1.5P								
K06MFF1690-37MM	3/8	M16*1.5P								
K06MFF1890-39MM	3/8	M18*1.5P								
K08MFF2290-43.5MM	1/2	M22*1.5P								
K10MFF2790-52MM	5/8	M27*1.5P								
K12MFF3090-58MM	3/4	M30*2P								
K16MFF3690	1	M36*2P								

100R1, 100R2, 100R16 & 100R19

MF - Metric Female Ball Nose 90° Elbow 24° Cone

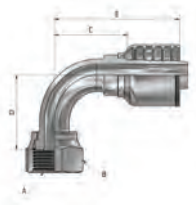


(L) = Light Series Metric
(S) = Heavy Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04MF0612A90-29MM (L)	1/4	M12*1.5P	15.9	0.62	28.7	1.13	29.0	1.14	48.3	1.90
K04MF0614A90-29MM (S)	1/4	M14*1.5P	17.5	0.69	28.7	1.13	29.0	1.14	48.3	1.90
K04MF0814A90-31MM (L)	1/4	M14*1.5P	17.5	0.69	28.7	1.13	31.0	1.22	49.0	1.93
K04MF0816A90-28.2MM (S)	1/4	M16*1.5P	19.0	0.75	32.7	1.29	29.2	1.15	52.3	2.06
K04MF1016A90-29.2MM (L)	1/4	M16*1.5P	19.0	0.75	32.7	1.29	29.2	1.15	52.1	2.05
K04MF1018A90-31.8MM (S)	1/4	M18*1.5P	22.0	0.87	32.7	1.29	31.8	1.25	52.3	2.06
K04MF1218A90-31.8MM (L)	1/4	M18*1.5P	22.0	0.87	32.7	1.29	31.8	1.25	52.3	2.06
K06MF0816A90-34MM (S)	3/8	M16*1.5P	19.0	0.75	30.3	1.19	34.0	1.34	57.5	2.26
K06MF1016A90-34MM (L)	3/8	M16*1.5P	19.0	0.75	30.3	1.19	34.0	1.34	57.5	2.26
K06MF1018A90-36MM (S)	3/8	M18*1.5P	22.0	0.87	30.3	1.19	36.0	1.42	57.5	2.26
K06MF1218A90-32MM (L)	3/8	M18*1.5P	22.0	0.87	32.5	1.28	32.0	1.26	59.7	2.35
K06MF1220A90-34MM (S)	3/8	M20*1.5P	24.0	0.94	37.3	1.47	37.0	1.46	64.5	2.54
K06MF1422A90-37MM (S)	3/8	M22*1.5P	27.0	1.06	34.3	1.35	37.0	1.46	61.5	2.42
K06MF1522A90-37MM (L)	3/8	M22*1.5P	27.0	1.06	34.3	1.35	37.0	1.46	61.5	2.42
K08MF1218A90-32MM (L)	1/2	M18*1.5P	22.0	0.87	35.9	1.41	32.0	1.26	66.1	2.60
K08MF1422A90-37MM (S)	1/2	M22*1.5P	27.0	1.06	40.8	1.61	37.0	1.46	71.0	2.80
K08MF1522A90-40MM (L)	1/2	M22*1.5P	27.0	1.06	44.8	1.76	40.0	1.57	75.0	2.95
K08MF1624A90-45MM (S)	1/2	M24*1.5P	30.0	1.18	42.2	1.66	45.0	1.77	72.4	2.85
K08MF1826A90-42MM (L)	1/2	M26*1.5P	32.0	1.26	43.8	1.72	42.0	1.65	74.0	2.91
K10MF1826A90-45MM (L)	5/8	M26*1.5P	32.0	1.26	40.3	1.59	45.0	1.77	75.6	2.98
K10MF2030B90-48.1MM (S)	5/8	M30*2.0P	36.0	1.42	44.6	1.76	48.1	1.89	79.9	3.15
K10MF2536B90-59MM (S)	5/8	M36*2.0P	46.0	1.81	55.3	2.18	59.0	2.32	90.6	3.57
K12MF1826A90-45MM (L)	3/4	M26*1.5P	32.0	1.26	46.3	1.82	50.3	1.98	81.7	3.22
K12MF2030B90-56.8MM (S)	3/4	M30*2.0P	36.0	1.42	53.3	2.10	56.8	2.24	88.7	3.49
K12MF2230A90	3/4	M30*1.5P								
K12MF2230B90-56.8MM (L)	3/4	M30*2.0P	36.0	1.42	53.3	2.10	56.8	2.24	88.7	3.49
K12MF2536B90-60.1MM (S)	3/4	M36*2.0P	46.0	1.81	51.3	2.02	60.1	2.37	86.7	3.41
K16MF2836B90-69.5MM (L)	1	M36*2.0P	46.0	1.81	65.8	2.59	69.5	2.74	106.6	4.20
K16MF3042B90-80MM (S)	1	M42*2.0P	50.0	1.97	65.8	2.59	80.0	3.15	106.6	4.20
K20MF3545B90-82.9MM (L)	1-1/4	M45*2.0P	50.0	1.97	86.7	3.41	82.9	3.26	130.4	5.13

100R1, 100R2, 100R16 & 100R19

FO - Female O-Ring Face Seal Swivel 90° Elbow

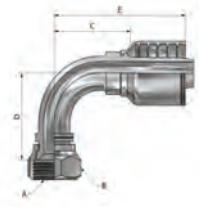


L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04FO0990-21.1MM	1/4	9/16-18	17.5	0.69	25.7	1.01	21.1	0.83	46.0	1.81
K04FO0990L-46MM	1/4	9/16-18	17.5	0.69	25.7	1.01	46.0	1.81	46.0	1.81
K04FO1190-23MM	1/4	11/16-16	22.0	0.87	25.7	1.01	23.0	0.91	45.3	1.78
K04FO1190L-58MM	1/4	11/16-16	22.0	0.87	25.7	1.01				
K06FO1190-23MM	3/8	11/16-16	22.0	0.87	30.3	1.19	23.0	0.91	57.5	2.26
K06FO1190L-54MM	3/8	11/16-16	22.0	0.87	30.3	1.19	54.0	2.13	57.5	2.26
K06FO1390-29MM	3/8	13/16-16	23.8	0.94	32.2	1.27	29.0	1.14	59.4	2.34
K06FO1390L-64MM	3/8	13/16-16	23.8	0.94	32.2	1.27	64.0	2.52	59.4	2.34
K08FO1390-29MM	1/2	13/16-16	23.8	0.94	34.8	1.37	29.0	1.14	65.0	2.56
K08FO1390L-63.8MM	1/2	13/16-16	23.8	0.94	34.8	1.37	63.8	2.51	65.0	2.56
K08FO1690-32MM	1/2	1-14	30.0	1.18	37.9	1.49	32.0	1.26	68.1	2.68
K08FO1690L-70MM	1/2	1-14	30.0	1.18	34.9	1.37	70.0	2.76	65.1	2.56
K08FO1990-43MM	1/2	1-3/16-12	36.0	1.42	34.8	1.37	43.0	1.69	65.0	2.56
K10FO1690-32MM	5/8	1-14	30.0	1.18	39.3	1.55	32.0	1.26	74.6	2.94
K10FO1690L-70MM	5/8	1-14	30.0	1.18	39.3	1.55	70.0	2.76	74.6	2.94
K10FO1990-48MM	5/8	1-3/16-12	36.0	1.42	45.7	1.80	48.0	1.89	81.0	3.19
K12FO1990-48MM	3/4	1-3/16-12	36.0	1.42	53.3	2.10	48.0	1.89	88.7	3.49
K12FO1990L-96MM	3/4	1-3/16-12	36.0	1.42	53.3	2.10	96.0	3.78	88.7	3.49
K12FO2390-56MM	3/4	1-7/16-12	41.0	1.61	53.3	2.10	56.0	2.20	88.7	3.49
K16FO2390-56MM	1	1-7/16-12	41.0	1.61	68.5	2.70	56.0	2.20	109.3	4.30
K16FO2390L-114MM	1	1-7/16-12	41.0	1.61	68.5	2.70	114.0	4.49	109.3	4.30
K16FO2790-75MM	1	1-11/16-12	50.0	1.97	63.8	2.51	75.0	2.95	104.6	4.12
K20FO2790-82MM	1-1/4	1-11/16-12	50.0	1.97	85.8	3.38	82.0	3.23	129.5	5.10

100R1, 100R2, 100R16 & 100R19

SF - SAE Female 90° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K06SF1090-23MM	3/8	5/8-18	19.0	0.75	23.6	0.93				
K10SF1790-45MM	5/8	1-1/16-14								
K12SF1790-53MM	3/4	1-1/16-14	32.0	1.26	53.3	2.10	53.0	2.09	88.7	3.49

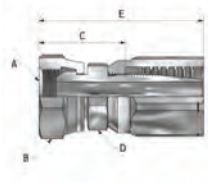
100R1, 100R2 Field Attachable

Straight

Please note tails & shells sold separately.

100R1, 100R2 Field Attachable

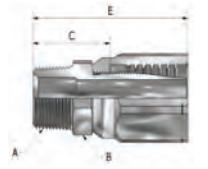
BF - BSP Female Parallel Pipe Swivel Straight 60° Cone



PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
D04BF02	1/4	1/8-28	14.0	0.55	26.6	1.05	14.3	0.56	55.4	2.18
D04BF04	1/4	1/4-19	19.0	0.75	29.2	1.15	14.3	0.56	58.0	2.28
D04BF06	1/4	3/8-19	22.0	0.87	34.7	1.37	17.5	0.69	63.5	2.50
D06BF06	3/8	3/8-19	22.0	0.87	39.0	1.54	17.5	0.69	69.0	2.72
D06BF08	3/8	1/2-14	27.0	1.06	42.8	1.69	22.0	0.87	72.8	2.87
D08BF08	1/2	1/2-14	27.0	1.06	42.4	1.67	22.0	0.87	78.3	3.08
D08BF12	1/2	1/2-14								
D12BF12	3/4	3/4-14	36.0	1.42	46.3	1.82	28.6	1.12	88.1	3.47
D12BF16	3/4	1-11	41.0	1.61	49.3	1.94	38.1	1.50	91.1	3.59
D16BF16	1	1-11	41.0	1.61	52.2	2.06	38.1	1.50	96.9	3.81

100R1, 100R2 Field Attachable

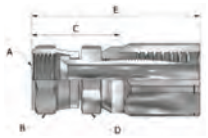
BM - BSP Male Taper



PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
D04BM04	1/4	1/4-19	14.3	0.56	25.7	1.01	54.5	2.15		
D04BM06	1/4	3/8-19	17.5	0.69	27.7	1.09	56.5	2.22		
D06BM06	3/8	3/8-19	17.5	0.69	32.0	1.26	62.0	2.44		
D06BM08	3/8	1/2-14	23.8	0.94	36.5	1.44	66.5	2.62		
D08BM08	1/2	1/2-14	23.8	0.94	36.1	1.42	72.0	2.83		
D12BM12	3/4	3/4-14	28.6	1.12	41.6	1.64	83.4	3.28		
D16BM16	1	1-11	38.1	1.50	52.2	2.06	96.9	3.81		

100R1, 100R2 Field Attachable

JF - JIC Female 37° Swivel Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
D04JF07	1/4	7/16-20	14.3	0.56	28.3	1.11	14.3	0.56	57.1	2.25
D04JF09	1/4	9/16-18	17.5	0.69	30.5	1.20	14.3	0.56	59.3	2.33
D06JF09	3/8	9/16-18	17.5	0.69	37.4	1.47	17.5	0.69	67.4	2.65

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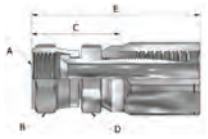
100R1, 100R2 Field Attachable

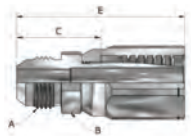
JF - JIC Female 37° Swivel Straight *Continued...*



D06JF12	3/8	3/4-16	22.2	0.87	40.3	1.59	22.2	0.87	70.3	2.77
D06JF14	3/8	7/8-14	25.4	1.00	42.9	1.69	22.2	0.87	72.9	2.87
D08JF12	1/2	3/4-16	22.2	0.87	39.9	1.57	22.2	0.87	75.8	2.98
D08JF14	1/2	7/8-14	25.4	1.00	42.5	1.67	25.4	1.00	78.4	3.09
D08JF17	1/2	1-1/16-12	31.8	1.25	43.9	1.73	27.0	1.06	79.8	3.14
D10JF14	5/8	7/8-14	25.4	1.00	41.3	1.63	25.4	1.00	80.0	3.15
D12JF17	3/4	1-1/16-12	31.8	1.25	45.6	1.80	31.8	1.25	87.4	3.44
D12JF21	3/4	1-5/16-12								
D16JF21	1	1-5/16-12	38.1	1.50	51.7	2.04	38.1	1.50	96.4	3.80

100R1, 100R2 Field Attachable

JM - JIC Male 37° Swivel Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
D04JM07	1/4	7/16-20	14.3	0.56	25.7	1.01	54.5	2.15		
D04JM09	1/4	9/16-18	15.9	0.62	25.8	1.02	54.6	2.15		
D06JM09	3/8	9/16-18	19.0	0.75	32.7	1.29	62.7	2.47		
D06JM12	3/8	3/4-16	20.6	0.81	35.2	1.39	65.2	2.57		
D08JM12	1/2	3/4-16	22.2	0.87	34.8	1.37	70.7	2.78		
D08JM14	1/2	7/8-14	23.8	0.94	37.4	1.47	73.3	2.89		
D12JM17	3/4	1-1/16-12	28.6	1.12	41.8	1.65	83.6	3.29		

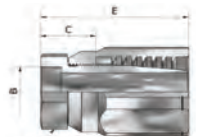
100R1, 100R2 Field Attachable

IBF - JIS (BSP) Female Parallel Pipe Swivel 30° Flare Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
D06IBF06	3/8	3/8-19								

100R1, 100R2 Field Attachable

LS - Life Saver

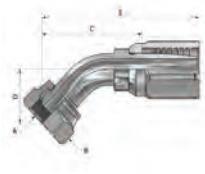


PART NUMBER	Products Description									
	Hose In-Dia	Nipple Hex		In-Dia		Tail-Growth		Overall Length		
		MM	Inch	MM	Inch	MM	Inch	MM	Inch	
		A		B		C		E		
D04LS04	1/4	14	0.55	6.35	0.25	11.8	0.46	40.6	1.60	
D06LS06	3/8									
D08LS08	1/2									
D10LS10	5/8	23.8	0.94	16.15	0.64	18.9	0.74	57.6	2.27	
D12LS12	3/4									
D16LS16	1	35	1.38	25.7	1.01	26.5	1.04	71.2	2.80	

45 Degree

100R1, 100R2 Field Attachable

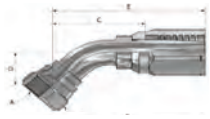
BF - BSP Female Parallel Pipe Swivel 45° Elbow 60° Cone



PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
D04BF0445	1/4	1/4-19	19.0	0.75	40.1	1.58	19.7	0.78	68.9	2.71
D04BF0645	1/4	3/8-19	22.0	0.87	42.7	1.68	22.2	0.87	71.5	2.81
D06BF0645	3/8	3/8-19	22.0	0.87	50.5	1.99	22.2	0.87	80.5	3.17
D06BF0845	3/8	1/2-14	27.0	1.06	57.9	2.28	28.8	1.13	87.9	3.46
D08BF0845	1/2	1/2-14	27.0	1.06	58.9	2.32	28.0	1.10	94.8	3.73
D12BF1245	3/4	3/4-14	36.0	1.42	73.1	2.88	35.4	1.39	114.9	4.52
D16BF1645	1	1-11	41.0	1.61	88.4	3.48	40.4	1.59	133.1	5.24

100R1, 100R2 Field Attachable

JF - JIC Female 37° Swivel 45° Elbow

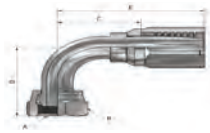


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
D04JF0745	1/4	7/16-20	14.3	0.56	30.4	1.20	10.0	0.39	59.2	2.33
D04JF0945	1/4	9/16-18	17.5	0.69	31.4	1.24	11.0	0.43	60.2	2.37
D06JF0945	3/8	9/16-18	17.5	0.69	39.3	1.55	11.0	0.43	69.3	2.73
D06JF1245	3/8	3/4-16	22.2	0.87	42.3	1.67	14.0	0.55	72.3	2.85
D08JF1245	1/2	3/4-16	22.2	0.87	46.0	1.81	15.0	0.59	81.9	3.22
D08JF1445	1/2	7/8-14	25.4	1.00	48.0	1.89	17.0	0.67	83.9	3.30
D12JF1745	3/4	1-1/16-12	31.8	1.25	75.0	2.95	27.0	1.06	116.8	4.60
D16JF2145	1	1-5/16-12	38.1	1.50	80.9	3.19	33.0	1.30	125.6	4.94

90 Degree

100R1, 100R2 Field Attachable

BF - BSP Female Parallel Pipe Swivel 90° Elbow 60° Cone



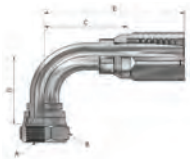
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
D04BF0490-29MM	1/4	1/4-19	19.0	0.75	25.7	1.01	34.2	1.35	54.5	2.15
D04BF0690-33MM	1/4	3/8-19	22.0	0.87	28.7	1.13	40.4	1.59	57.5	2.26
D06BF0690-33MM	3/8	3/8-19	22.0	0.87	40.9	1.61	40.4	1.59	70.9	2.79
D06BF0890-41MM	3/8	1/2-14	27.0	1.06	37.9	1.49	50.6	1.99	67.9	2.67
D08BF0890-41MM	1/2	1/2-14	27.0	1.06	42.1	1.66	50.7	2.00	78.0	3.07
D08BF0890L	1/2	1/2-14								
D12BF1290-55MM	3/4	3/4-14	36.0	1.42	55.3	2.18	64.0	2.52	97.1	3.82

L = Long Drop

D16BF1690-73.5MM	1	1-11	41.0	1.61	70.2	2.76	84.0	3.31	114.9	4.52

100R1, 100R2 Field Attachable

JF - JIC Female 37° Swivel 90° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
D04JF0790-21MM	1/4	7/16-20	14.3	0.56	25.7	1.01	21.0	0.83	54.5	2.15
D04JF0990-22MM	1/4	9/16-18	17.5	0.69	28.7	1.13	22.0	0.87	57.5	2.26
D06JF0990-23MM	3/8	9/16-18	17.5	0.69	38.9	1.53	23.0	0.91	68.9	2.71
D06JF1290-28MM	3/8	3/4-16	22.2	0.87	38.9	1.53	28.0	1.10	68.9	2.71
D08JF1290-31MM	1/2	3/4-16	22.2	0.87	45.1	1.78	31.0	1.22	81.0	3.19
D08JF1490-31MM	1/2	7/8-14	25.4	1.00	45.1	1.78	31.0	1.22	81.0	3.19
D10JF1490-34MM	5/8	7/8-14								
D12JF1790-53MM	3/4	1-1/16-12	31.8	1.25	60.3	2.37	53.0	2.09	102.1	4.02
D12JF2190-56MM	3/4	1-5/16-12	38.1	1.50	60.3	2.37	56.0	2.20	102.1	4.02
D16JF2190-70MM	1	1-5/16-12	38.1	1.50	70.2	2.76	70.0	2.76	114.9	4.52

100R1, 100R2 Field Attachable

IBF - JIS (BSP) Female Parallel Pipe Swivel 30° Flare 90° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
D06IBF0690-33MM	3/8	3/8-19								

Shell	Field Attachable

100R1, 100R2 Field Attachable

D1 / D2- Reuseable shells to suit 100R1 & 2

PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
D1-04										
D1-06										
D1-08										
D1-12										
D1-16										

D1

To suit Taipan SAE100R1

D2-04	
D2-06	
D2-08	
D2-10	
D2-12	
D2-16	

D2

To suit Taipan SAE100R2, SAE100R2GP

100R2 Two Piece

Shell

100R2 Two Piece

GN - 100R2 shells

PART NUMBER	Products Description									
	Hose In-Dia		Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
GN2-04	1/4									
GN2-05	5/16									
GN2-06	3/8									
GN2-08	1/2									
GN2-10	5/8									
GN2-12	3/4									
GN2-16	1									
GN2-20	1-1/4									
GN2-24	1-1/2									
GN2-32	2									

Note : No Crimp Dimentions available. For use at Customers own risk.

Low Pressure Hose Tails to suit 100R4 Suction Hose

Straight

100R4
Low Pressure Hose Tails

BSPP Female Swivel Nut x Low Pressure Hose Tail

PART NUMBER	Products Description									
	BSPP F S/W		L/P Hose Tail							
QAAX16	1		1							

100R4
Low Pressure Hose Tails

BSP Parallel Male x Low Pressure Hose Tail

PART NUMBER	Products Description									
	BSPP M		L/P Hose Tail							
QADX12	3/4		3/4							
QADX1216	3/4		1							
QADX16	1		1							
QADX1620	1		1 1/4							
QADX1624	1		1 1/2							
QADX20	1 1/4		1 1/4							
QADX2024	1 1/4		1 1/2							
QADX24	1 1/2		1 1/2							
QADX32	2		2							

100R4
Low Pressure Hose Tails

BSPT Male x L/P Hose Tail

PART NUMBER	Products Description	
	BSPT M	L/P Hose Tail
QAEX08	1/2	1/2
QAEX0812	1/2	1/2
QAEX12	3/4	3/4
QAEX1216	3/4	1
QAEX1220	3/4	1 1/4
QAEX16	1	1
QAEX1612	1	3/4
QAEX1614	1	7/8
QAEX1618	1	1 1/8
QAEX1620	1	1 1/4
QAEX1624	1	1 1/2
QAEX20	1 1/4	1 1/4
QAEX2014	1 1/4	7/8
QAEX2016	1 1/4	1
QAEX2018	1 1/4	1 1/8
QAEX2022	1 1/4	1 3/8
QAEX2024	1 1/4	1 1/2
QAEX24	1 1/2	1 1/2
QAEX2418	1 1/2	1 1/8
QAEX2420	1 1/2	1 1/4
QAEX2422	1 1/2	1 3/8
QAEX32	2	2
QAEX3224	2	1 1/2
QAEX3229	2	1 13/16

100R4
Low Pressure Hose Tails

Code 61 Flange x Low Presure Hose Tail

PART NUMBER	Products Description	
	C61 Flange	L/P Hose Tail
QAFX24	1 1/2	1 1/2
QAFX32	2	2
QAFX4032	2 1/2	2

100R4
Low Pressure Hose Tails

NPT Male x Low Pressure Hose Tail

PART NUMBER	Products Description	
	NPTM	L/P Hose Tail
QAUX20	1 1/4	1 1/4
QAUX24	1 1/2	1 1/2
QAUX32	2	2
QAUX3224	2	1 1/2
QAUX3236	2	2 1/4

100R4 Low Pressure Hose Tails

UNO Male x Low Pressure Hose Tail

PART NUMBER	Products Description	
	UNO M	L/P Hose Tail
QAPX1716	1 1/16	1
QAPX1720	1 1/16	1 1/4
QAPX2116	1 5/16	1
QAPX2120	1 5/16	1 1/4
QAPX2124	1 5/16	1 1/2
QAPX2620	1 5/8	1 1/4
QAPX2624	1 5/8	1 1/2
QAPX3024	1 7/8	1 1/2

45 Degree

100R4 Low Pressure Hose Tails

Code 61 Flange x Low Pressure Hose Tail - 45°

PART NUMBER	Products Description	
	C61 Flange	L/P Hose Tail
QETFX242445	1 1/2	1 1/2
QETFX323245	2	2
QETFX403245	2 1/2	2

90 Degree

100R4 Low Pressure Hose Tails

BSPP Female Swivel x Low Pressure Hose Tail - 90°

PART NUMBER	Products Description	
	BSPP F S/W	L/P Hose Tail
QEBAX16	1	1

100R4 Low Pressure Hose Tails

BSPP Male x Low Pressure Hose Tail - 90°

PART NUMBER	Products Description	
	BSPP M	L/P Hose Tail
QEBDX12	3/4	3/4
QEBDX1216	3/4	1
QEBDX16	1	1
QEBDX1620	1	1 1/4
QEBDX1624	1	1 1/2
QEBDX20	1 1/4	1 1/2
QEBDX2024	1 1/4	1 1/2
QEBDX24	1 1/2	1 1/2

100R4
Low Pressure Hose Tails

BSPT Male x Low Pressure Hose Tail - 90°

PART NUMBER	Products Description	
	BSPT M	L/P Hose Tail
QEBEX0812	1/2	3/4
QEBEX12	3/4	3/4
QEBEX1216	3/4	1
QEBEX16	1	1
QEBEX1614	1	7/8
QEBEX1620	1	1 1/4
QEBEX1624	1	1 1/2
QEBEX20	1 1/4	1 1/4
QEBEX2016	1 1/4	1
QEBEX2018	1 1/4	1 1/8
QEBEX2024	1 1/4	1 1/2
QEBEX2032	1 1/4	2
QEBEX24	1 1/2	1 1/2
QEBEX2420	1 1/2	1 1/4
QEBEX2432	1 1/2	2
QEBEX32	2	2

100R4
Low Pressure Hose Tails

Code 61 Flange x Low Pressure Hose Tail - 90°

PART NUMBER	Products Description		
	C61 Flange	L/P Hose Tail	Drop Length
QETFX2020	1 1/14	1 1/4	82.0mm
QETFX2424-104MM	1 1/2	1 1/2	104.0mm
QETFX2432	1 1/2	2	104.0mm
QETFX3232	2	2	114.0mm
QETFX4032	2 1/2	2	125.0mm
QETFX4040	2 1/2	2 1/2	135.0mm

100R4
Low Pressure Hose Tails

UNO Male x Low Pressure Hose Tail - 90°

PART NUMBER	Products Description	
	UNO M	L/P Hose Tail
QEBPX1712	1 1/16	3/4
QEBPX1716	1 1/16	1
QEBPX2116	1 5/16	1
QEBPX2120	1 5/16	1 1/4
QEBPX2124	1 5/16	1 1/2
QEBPX2620	1 5/8	1 1/4
QEBPX2624	1 5/8	1 1/2
QEBPX3024	1 7/8	1 1/2

Tee Piece

100R4
Low Pressure Hose Tails

Low Pressure Hose Tail x Low Pressure Hose Tail x BSPP F S/W - Branch Tee

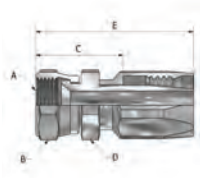
PART NUMBER	Products Description						
	(1) L/P Tail	(2) L/P Tail	(3) BSPP F				
QTEXXA16	1	1	1				

SAE100R5 (FC300) DF Series Field Attachable Hose Tails

Straight

SAE100R5
Field Attachable

JF - JIC Female 37° Swivel Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF04JF07	3/16	7/16-20	14.3	0.56	30.9	1.22	14.3	0.56	49.9	1.96
DF05JF08	1/4	1/2-20								
DF05JF09	1/4	1/2-20								
DF06JF09	5/16	9/16-18	17.5	0.69	34.2	1.35	17.5	0.69	57.2	2.25
DF06JF12	5/16	3/4-16	22.2	0.87	40.1	1.58	22.2	0.87	63.1	2.48
DF08JF12	13/32	3/4-16	22.2	0.87	42.8	1.69	22.2	0.87	71.8	2.83
DF08JF14	13/32	7/8-14	25.4	1.00	45.4	1.79	25.4	1.00	74.4	2.93
DF10JF12	1/2	3/4								
DF10JF14	1/2	7/8-14	25.4	1.00	46.4	1.83	25.4	1.00	78.9	3.11
DF10JF17	1/2	1-1/16-12								
DF12JF14	5/8	7/8-14	25.4	1.00	46.9	1.85	25.4	1.00	86.9	3.42
DF12JF17	5/8	1-1/16-12								
DF16JF21	7/8	1-5/16-12	38.0	1.50	48.5	1.91	38.0	1.50	80.5	3.17
DF20JF26	1 1/8	1-5/8-12	50.0	1.97	58.0	2.28	41.0	1.61	92.5	3.64
DF24JF30	1 3/8	1-7/8-12	55.0	2.17	60.6	2.39	46.0	1.81	97.6	3.84
DF32JF40	1-13/16	2-1/2-12	73.0	2.87	84.5	3.33	63.5	2.50	131.0	5.16
DF40JF48	2-3/8	3-12								

SAE100R5 Field Attachable

NM - Taper Male NPT Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF04NM02	3/16	1/8-27								
DF04NM04	3/16	1/4-18								
DF06NM06	5/16	3/8-18								
DF08NM08	13/32	1/2-14								
DF10NM08	1/2	1/2-14								
DF12NM12	5/8	3/4-14								
DF16NM16	7/8	1-11.5								
DF20NM20	1-1/8	1-1/4-11.5								
DF24NM24	1-3/8	1-1/2-11.5								
DF32NM32	1 13/16	2-11.5								

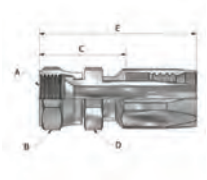
SAE100R5 Field Attachable

FO - Female O-Ring Face Seal Swivel Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF06FO11	5/16	11/16-16								
DF08FO13	13/32	13/16-16								

SAE100R5 Field Attachable

SF - SAE Female Straight

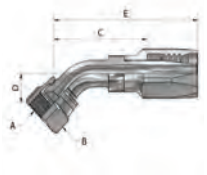


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF06SF10	5/16	5/8-18								
DF12SF17	5/8	1-1/16-12								

45 Degree

SAE100R5 Field Attachable

JF - JIC Female 37° Swivel 45° Elbow

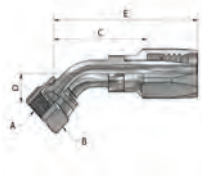


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF04JF0745	3/16	7/16-20	14.3	0.56	34.2	1.35	10.0	0.39	53.2	2.09
DF06JF0945	5/16	9/16-18	17.5	0.69	39.8	1.57	11.0	0.43	62.8	2.47

Continued on following page...

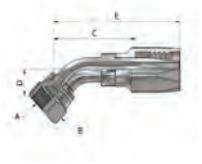
SAE100R5 Field Attachable

JF - JIC Female 37° Swivel 45° Elbow *Continued...*



DF08JF1245	13/32	3/4-16	22.2	0.87	52.9	2.08	15.0	0.59	81.9	3.22
DF10JF1445	1/2	7/8-14								
DF12JF1745	5/8	1-1/6-12								
DF16JF2145	7/8	1-5/16-12								
DF20JF2645	1-1/8	1-5/8-12	50.0	1.97	103.1	4.06	45.0	1.77	137.6	5.42

SF - SAE Female 45° Elbow

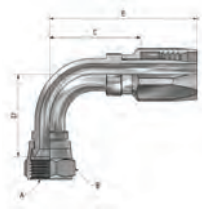


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF06SF1045	5/16	5/8-16								

90 Degree

SAE100R5 Field Attachable

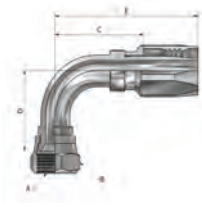
JF - JIC Female 37° Swivel 90° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF04JF0790-21MM	3/16	7/16-20	14.3	0.56	29.5	1.16	21.0	0.83	48.5	1.91
DF06JF0990-23MM	5/16	9/16-18	17.5	0.69	39.4	1.55	23.0	0.91	62.4	2.46
DF08JF1290-31MM	13/32	3/4-16	22.2	0.87	49.0	1.93	31.0	1.22	78.0	3.07
DF10JF1490-34MM	1/2	7/8-14	25.4	1.00	51.0	2.01	34.0	1.34	83.5	3.29
DF12JF1790-53MM	5/8	1-1/16-12	31.8	1.25	64.3	2.53	53.0	2.09	104.3	4.11
DF16JF2190-70MM	7/8	1-5/16-12	38.1	1.50	67.0	2.64	70.0	2.76	99.0	3.90
DF20JF2690-85MM	1-1/8	1-5/8-12	50.0	1.97	84.5	3.33	85.0	3.35	119.0	4.69
DF24JF3090	1-3/8									
DF32JF4090	1-13/16									

SAE100R5 Field Attachable

SF - SAE Female 90° Elbow



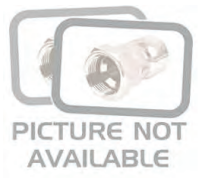
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
DF06SF1090-23MM	5/16	5/8-18								
DF12SF1790-53MM	5/8	1-1/16-12								

H Series Hose Tails to suit SAE100R6, SAE100R6H & FC332 Push Lock

Straight

SAE100R6 Push Lock

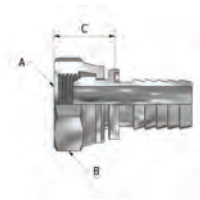
MBJ - Banjo Straight



PART NUMBER	Products Description									
	Hose In-Dia	BANJO ID	Nipple Hex		Tail-Growth					
			MM	Inch	MM	Inch				
		A	B		C					
H04MBJ10	1/4	10MM								
H04MBJ12	1/4	12MM								
H06MBJ16	3/8	16MM								

SAE100R6 Push Lock

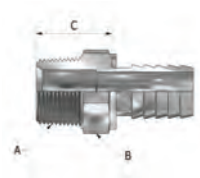
BF - BSP Female Parallel Pipe Swivel Straight 60° Cone



PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth					
			MM	Inch	MM	Inch				
		A	B		C					
H04BF02	1/4	1/8-28	14.0	0.55	17.4	0.69				
H04BF04	1/4	1/4-19	19.0	0.75	20.0	0.79				
H06BF06	3/8	3/8-19	22.0	0.87	23.8	0.94				
H08BF08	1/2	1/2-14	27.0	1.06	26.9	1.06				
H10BF08	5/8	1/2-14	27.0	1.06	26.9	1.06				
H12BF12	3/4	3/4-14	32.0	1.26	29.0	1.14				
H16BF16	1	1-11								

SAE100R6 Push Lock

BM - BSP Male Taper



PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth					
			MM	Inch	MM	Inch				
		A	B		C					
H04BM02	1/4	1/8-28	17.0	0.67	17.3	0.68				
H04BM04	1/4	1/4-19								
H06BM04	3/8	1/4-19	19.0	0.75	22.7	0.89				
H06BM06	3/8	3/8-19	19.0	0.75	24.2	0.95				
H06BM08	3/8	1/2-14								
H08BM06	1/2	3/8-19	23.8	0.94	24.2	0.95				
H08BM08	1/2	1/2-14	23.8	0.94	27.7	1.09				
H12BM12	3/4	3/4-14	30.0	1.18	34.3	1.35				

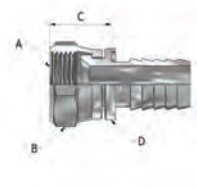
SAE100R6 Push Lock

HJ - Hose Joiner

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth					
			MM	Inch	MM	Inch				
		A	B		C					
H08HJ08	1/2									

SAE100R6 Push Lock

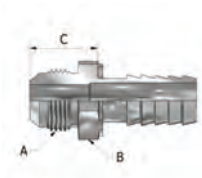
JF - JIC Female 37° Swivel Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple OD			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
H04JF07	1/4	7/16-20	14.3	0.56	19.1	0.75	16.0	0.63		
H04JF09	1/4	9/16-18	17.5	0.69	21.3	0.84	16.0	0.63		
H05JF08	5/16	1/2-20								
H05JF09	5/16	9/16-18								
H06JF09	3/8	9/16-18	17.5	0.69	21.5	0.85	19.0	0.75		
H06JF12	3/8	3/4-16	22.2	0.87	24.5	0.96	19.0	0.75		
H08JF12	1/2	3/4-16	22.2	0.87	24.4	0.96	23.0	0.91		
H08JF14	1/2	7/8-14	25.4	1.00	27.1	1.07	23.0	0.91		
H10JF14	5/8	7/8-14	25.4	1.00	27.1	1.07	26.0	1.02		
H12JF14	3/4	7/8-14	25.4	1.00	27.5	1.08	30.0	1.18		
H12JF17	3/4	1-1/16-12	32.0	1.26	28.8	1.13	30.0	1.18		
H16JF21	1	1-5/16-12								

SAE100R6 Push Lock

JM - JIC Male 37° Swivel Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth					
			MM	Inch	MM	Inch				
		A	B		C					
H10JM14	5/8	7/8-14	25.4	1	27.3	1.075				

SAE100R6 Push Lock

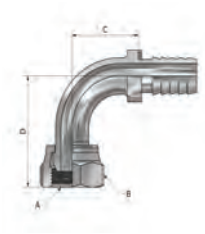
SF - SAE Female Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth					
			MM	Inch	MM	Inch				
		A	B		C					
H06SF10	3/8	5/8-18								

90 Degree

SAE100R6 Push Lock

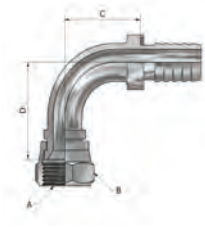
BF - BSP Female Parallel Pipe Swivel 90° Elbow 60° Cone



PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
H04BF0490-29MM	1/4	1/4-19	19.0	0.75	21.5	0.85	34.2	1.35		
H06BF0690-33MM	3/8	3/8-19	22.0	0.87	25.5	1.00	40.4	1.59		
H08BF0890-40.9MM	1/2	1/2-14	27.0	1.06	32.1	1.26	50.6	1.99		
H12BF1290-55MM	3/4	3/4-14	32.0	1.26	42.0	1.65	64.0	2.52		

SAE100R6 Push Lock

JF - JIC Female 37° Swivel 90° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
H04JF0790-21MM	1/4	7/16-20	14.3	0.56	21.5	0.85	21.0	0.83		
H04JF0990-22MM	1/4	9/16-18	17.5	0.69	21.5	0.85	22.0	0.87		
H06JF0990-23MM	3/8	9/16-18	17.5	0.69	25.5	1.00	23.0	0.91		
H06JF1290-28MM	3/8	3/4-16	22.2	0.87	25.5	1.00	28.0	1.10		
H08JF1290-31MM	1/2	3/4-16	22.2	0.87	32.1	1.26	31.0	1.22		
H08JF1490-32.5MM	1/2	7/8-14	25.4	1.00	32.1	1.26	32.5	1.28		
H12JF1790-53MM	3/4	1-1/16-12	32.0	1.26	46.0	1.81	53.0	2.09		

J Series Hose Tails to suit 100R7, 100R8 & 100R18

Straight

100R7, 100R8 & 100R18

BF - BSP Female Parallel Pipe Swivel Straight 60° Cone

PART NUMBER	Products Description									
	Hose In-Dia	Thread BSP	Nut Hex		Tail-Growth		Nipple OD			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
J08BF08	1/2	1/2-14								

100R7, 100R8 & 100R18

JF - JIC Female 37° Swivel Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple OD			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
J04JF07	1/4	7/16-20								
J04JF09	1/4	9/16-18								
J06JF09	3/8	9/16-18								
J06JF12	3/8	3/4-16								
J08JF12	1/2	3/4-16								
J08JF14	1/2	7/8-14								

100R7, 100R8 & 100R18

JM - JIC Male 37° Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple OD			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
J04JM09	1/4	9/16-18								
J06JM12	3/8	3/4-16								

100R7, 100R8 & 100R18

MF - Metric Female Ball Nose

(L) = Light Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread Metric	Nut Hex		Tail-Growth		Nipple OD			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
J06MF1016A (L)	3/8	M16*1.5								

90 Degree

100R7, 100R8 & 100R18

JF - JIC Female 37° Swivel 90° Elbow

B = Block
L = Long Drop

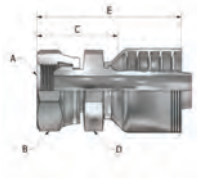
PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple OD			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
J04JF0790-21MM	1/4	7/16-20								
J04JF0790B-19.8MM	1/4	7/16-20								
J04JF0990B-21.2MM	1/4	9/16-18								
J04JF0990L-47MM	1/4	9/16-18								
J06JF0990-23MM	3/8	9/16-18								
J06JF1290-28MM	3/8	3/4-16								
J08JF1290-31MM	1/2	3/4-16								
J08JF1490-31MM	1/2	7/8-14								

L Series Hose Tails to suit 100R12

Straight

100R12

BF - BSP Female Parallel Pipe Swivel Straight 60° Cone

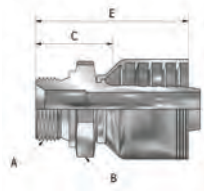


SS = Stainless Steel

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06BF04	3/8	1/4-19	19.0	0.75	34.3	1.35	19.0	0.75	58.1	2.29
L06BF06	3/8	3/8-19	22.0	0.87	37.6	1.48	22.0	0.87	61.4	2.42
L06BF08	3/8	1/2-14	27.0	1.06	41.3	1.63	24.0	0.94	65.1	2.56
L08BF06	1/2	3/8-19	22.0	0.87	38.2	1.50	22.0	0.87	68.6	2.70
L08BF08	1/2	1/2-14	27.0	1.06	41.3	1.63	27.0	1.06	71.7	2.82
L08BF08**SS**	1/2	1/2-14	27.0	1.06	41.3	1.63	27.0	1.06	71.7	2.82
L08BF10	1/2	5/8-14	28.6	1.12	38.5	1.52	27.0	1.06	68.9	2.71
L08BF12	1/2	3/4-14	36.0	1.42	45.8	1.80	36.0	1.42	76.2	3.00
L10BF08	5/8	1/2-14	27.0	1.06	42.9	1.69	27.0	1.06	74.4	2.93
L10BF10	5/8	5/8-14	28.6	1.12	40.0	1.57	27.0	1.06	71.5	2.81
L10BF12	5/8	3/4-14	36.0	1.42	47.3	1.86	36.0	1.42	78.8	3.10
L12BF12	3/4	3/4-14	36.0	1.42	45.0	1.77	36.0	1.42	81.4	3.20
L12BF12**SS**	3/4	3/4-14	36.0	1.42	45.0	1.77	36.0	1.42	81.4	3.20
L12BF16	3/4	1-11	41.0	1.61	49.2	1.94	41.0	1.61	85.6	3.37
L16BF16	1	1-11	41.0	1.61	51.5	2.03	41.0	1.61	95.4	3.76
L16BF16**SS**	1	1-11	41.0	1.61	51.5	2.03	41.0	1.61	95.4	3.76
L16BF20	1	1-1/4-11	50.0	1.97	58.7	2.31	50.0	1.97	102.6	4.04
L20BF20	1-1/4	1-1/4-11	50.0	1.97	61.8	2.43	50.0	1.97	104.3	4.11
L24BF24	1-1/2	1-1/2-11	60.0	2.36	64.4	2.54	55.0	2.17	119.6	4.71
L32BF32	2	2-11	70.0	2.76	73.4	2.89	70.0	2.76	195.4	7.69

100R12

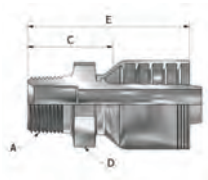
BPM - BSP Male Parallel 60° Cone



PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
L06BPM06	3/8	3/8-19	22.0	0.87	32.5	1.28	56.3	2.22		
L06BPM08	3/8	1/2-14	27.0	1.06	35.0	1.38	58.8	2.31		
L08BPM08	1/2	1/2-14	27.0	1.06	34.9	1.37	65.3	2.57		
L12BPM12	3/4	3/4-14	36.0	1.42	36.3	1.43	72.7	2.86		
L12BPM16	3/4	1-11	41.0	1.61	40.3	1.59	76.7	3.02		
L16BPM16	1	1-11	41.0	1.61	42.6	1.68	86.5	3.41		

100R12

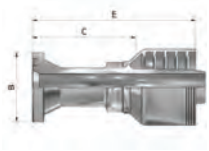
BM - BSP Male Taper



PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
L06BM06	3/8	3/8-19	22.0	0.87	31.5	1.24	55.3	2.18		
L06BM08	3/8	1/2-14	27.0	1.06	36.1	1.42	59.9	2.36		
L08BM06	1/2	3/8-19	22.0	0.87	32.3	1.27	62.7	2.47		
L08BM08	1/2	1/2-14	27.0	1.06	36.1	1.42	66.5	2.62		
L10BM08	5/8	1/2-14	27.0	1.06	37.6	1.48	69.1	2.72		
L10BM12	5/8	3/4-14	36.0	1.42	41.7	1.64	73.2	2.88		
L12BM12	3/4	3/4-14	36.0	1.42	39.4	1.55	75.8	2.98		
L12BM16	3/4	1"-11	41.0	1.61	44.2	1.74	80.6	3.17		
L16BM16	1	1"-11	41.0	1.61	46.4	1.83	90.3	3.56		
L16BM20	1	1 1/4-11	41.0	1.61	46.4	1.83	90.3	3.56		
L20BM20	1-1/4	1-1/4-11	50.0	1.97	54.1	2.13	96.6	3.80		
L24BM24	1-1/2	1-1/2-11	60.0	2.36	57.9	2.28	113.1	4.45		
L32BM32	2	2-11	70.0	2.76	67.9	2.67	125.8	4.95		

100R12

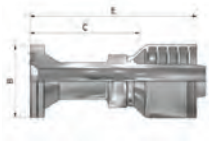
F61 - SAE Code 61 Flange Straight



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
L08F6108	1/2	1/2	30.2	1.19	57.9	2.28	88.3	3.48		
L08F6112	1/2	3/4	38.1	1.50	32.0	1.26	62.4	2.46		
L10F6110	5/8	5/8	34.1	1.34	63.2	2.49	94.7	3.73		
L12F6112	3/4	3/4	38.1	1.50	61.6	2.43	98.0	3.86		
L12F6116	3/4	1	44.5	1.75	33.2	1.31	69.6	2.74		
L12F6120	3/4	1-1/4	50.8	2.00	38.8	1.53	75.2	2.96		
L16F6116	1	1	44.5	1.75	65.9	2.59	109.8	4.32		
L16F6120	1	1-1/4	50.8	2.00	39.2	1.54	83.1	3.27		
L16F6124	1	1-1/2	60.3	2.37	44.4	1.75	88.3	3.48		
L20F6116	1-1/4	1	44.5	1.75	69.1	2.72	111.6	4.39		
L20F6120	1-1/4	1-1/4	50.8	2.00	77.2	3.04	119.7	4.71		
L20F6124	1-1/4	1-1/2	60.3	2.37	39.6	1.56	82.1	3.23		
L24F6124	1-1/2	1-1/2	60.3	2.37	83.6	3.29	138.8	5.46		
L24F6132	1-1/2	2	71.4	2.81	46.5	1.83	101.7	4.00		
L32F6132	2	2	71.4	2.81	85.8	3.38	143.7	5.66		
L32F6140	2	2-1/2	84.1	3.31	56.5	2.22	114.4	4.50		

100R12

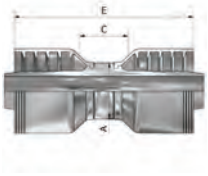
F62 - SAE Code 62 Flange Straight



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
L08F6208	1/2	1/2	31.8	1.25	57.9	2.28	88.3	3.48		
L12F6212	3/4	3/4	41.3	1.63	68.2	2.69	104.6	4.12		
L12F6216	3/4	1	47.6	1.87	42.3	1.67	78.7	3.10		
L16F6216	1	1	47.6	1.87	80.2	3.16	124.1	4.89		
L16F6220	1	1-1/4	54.0	2.13	49.7	1.96	93.6	3.69		
L20F6220	1-1/4	1-1/4	54.0	2.13	85.1	3.35	127.6	5.02		
L24F6224	1-1/2	1-1/2	63.5	2.50	105.8	4.17	161.0	6.34		
L24F6232	1-1/2	2	79.4	3.13						
L32F6232	2	2	79.4	3.13	124.0	4.88	181.9	7.16		

100R12

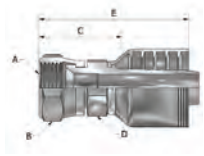
HJ - Hose Joiner



PART NUMBER	Products Description									
	Hose In-Dia	Nipple		Tail-Growth		Overall length				
		MM	Inch	MM	Inch	MM	Inch			
		A		C		E				
L06HJ06	3/8	17.5	0.69	23.2	0.91	70.9	2.79			
L08HJ08	1/2	21	0.83	25.2	0.99	86.0	3.39			
L10HJ10	5/8	25	0.98	29.2	1.15	92.2	3.63			
L24HJ24	1 1/2									
L24HJ24CAT	1 1/2									

100R12

JF - JIC Female 37° Swivel Straight



SS = Stainless Steel

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06JF09	3/8	9/16-18	17.5	0.69	33.3	1.31	17.5	0.69	57.1	2.25
L06JF12	3/8	3/4-16	22.2	0.87	36.2	1.43	17.5	0.69	60.1	2.37
L06JF14	3/8	7/8-14	25.4	1.00	41.8	1.65	22.2	0.87	65.6	2.58
L08JF09	1/2	9/16-18	17.5	0.69	33.3	1.31	20.6	0.81	63.7	2.51
L08JF12	1/2	3/4-16	22.2	0.87	38.9	1.53	20.6	0.81	69.3	2.73
L08JF12**SS**	1/2	3/4-16	22.2	0.87	38.9	1.53	20.6	0.81	69.3	2.73
L08JF14	1/2	7/8-14	25.4	1.00	41.8	1.65	22.2	0.87	72.2	2.84
L08JF17	1/2	1-1/16-12	31.8	1.25	40.1	1.58	27.0	1.06	70.5	2.78
L10JF12	5/8	3/4-16	22.2	0.87	37.6	1.48	23.8	0.94	69.1	2.72
L10JF14	5/8	7/8-14	25.4	1.00	40.5	1.59	23.8	0.94	72.0	2.83
L10JF17	5/8	1-1/16-12	31.8	1.25	44.9	1.77	27.0	1.06	76.4	3.01
L12JF12	3/4	3/4-16	22.2	0.87	35.4	1.39	27.0	1.06	71.8	2.83

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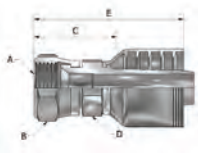
100R12

JF - JIC Female 37° Swivel Straight *Continued...*

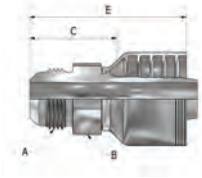


SS = Stainless Steel

L12JF14	3/4	7/8-14	25.4	1.00	37.9	1.49	27.0	1.06	74.4	2.93
L12JF17	3/4	1-1/16-12	31.8	1.25	44.1	1.74	27.0	1.06	80.5	3.17
L12JF17**SS**	3/4	1-1/16-12	31.8	1.25	44.1	1.74	27.0	1.06	80.5	3.17
L12JF19	3/4	1-3/16-12	36.0	1.42	44.7	1.76	31.8	1.25	81.1	3.19
L12JF21	3/4	1-5/16-12	38.0	1.50	47.0	1.85	31.8	1.25	83.4	3.28
L16JF17	1	1-1/16-12	31.8	1.25	46.7	1.84	35.0	1.38	90.6	3.57
L16JF21	1	1-5/16-12	38.0	1.50	49.3	1.94	35.0	1.38	93.1	3.67
L16JF21**SS**	1	1-5/16-12	38.0	1.50	49.3	1.94	35.0	1.38	93.1	3.67
L16JF26	1	1-5/8-12	50.0	1.97	55.2	2.17	41.3	1.62	99.1	3.90
L20JF21	1-1/4	1-5/16-12	38.0	1.50	53.9	2.12	47.6	1.87	96.4	3.80
L20JF26	1-1/4	1-5/8-12	50.0	1.97	58.2	2.29	47.6	1.87	100.7	3.96
L20JF30	1-1/4	1-7/8-12	55.0	2.17	61.3	2.41	54.0	2.13	103.8	4.09
L24JF30	1-1/2	1-7/8-12	55.0	2.17	63.1	2.48	54.0	2.13	118.3	4.66
L24JF30**SS**	1-1/2	1-7/8-12	55.0	2.17	63.1	2.48	54.0	2.13	118.3	4.66
L32JF40	2	2-1/2-12	73.0	2.87	79.8	3.14	63.5	2.50	137.7	5.42

100R12

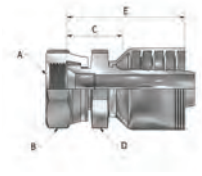
JM - JIC Male 37° Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
L06JM09	3/8	9/16-18	19.0	0.75	35.0	1.38	58.8	2.31		
L06JM12	3/8	3/4-16	22.2	0.87	33.5	1.32	57.3	2.26		
L06JM14	3/8	7/8-14	23.8	0.94	36.0	1.42	59.8	2.35		
L08JM12	1/2	3/4-16	22.2	0.87	37.6	1.48	67.9	2.67		
L08JM14	1/2	7/8-14	23.8	0.94	36.0	1.42	66.4	2.61		
L08JM17	1/2	1-1/16-12	28.6	1.12	45.4	1.79	75.8	2.98		
L10JM14	5/8	7/8-14	23.8	0.94	43.1	1.70	74.6	2.94		
L10JM17	5/8	1-1/16-12	28.6	1.12	46.9	1.85	78.4	3.09		
L12JM17	3/4	1-1/16-12	28.6	1.12	44.6	1.76	81.0	3.19		
L12JM21	3/4	1-5/16-12	35.0	1.38	46.4	1.83	82.8	3.26		
L16JM21	1	1-5/16-12	35.0	1.38	50.2	1.98	94.1	3.70		
L16JM26	1	1-5/8-12	47.6	1.87	52.0	2.05	95.9	3.78		
L20JM26	1-1/4	1-5/8-12	47.6	1.87	55.1	2.17	97.6	3.84		

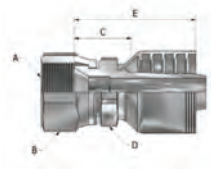
100R12

IBF - JIS (BSP) Female Parallel Pipe Swivel 30° Flare Straight



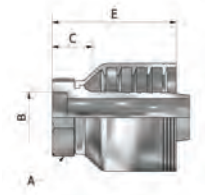
PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06IBF06	3/8	3/8-19	22.0	0.87	26.9	1.06	22.0	0.87	50.7	2.00
L08IBF08	1/2	1/2-14	27.0	1.06	28.2	1.11	27.0	1.06	58.6	2.31
L12IBF12	3/4	3/4-14	36.0	1.42	31.4	1.24	36.0	1.42	67.8	2.67
L16IBF16	1	43040	41.0	1.61	35.7	1.41	41.0	1.61	79.6	3.13

100R12 KF - Komatsu Female Swivel Straight 30° Flare JIS Metric



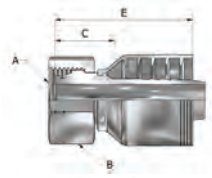
PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06KF18	3/8	M18*1.5P	24.0	0.94	26.9	1.06	22.0	0.87	50.7	2.00
L06KF22	3/8	M22*1.5P	27.0	1.06	28.2	1.11	27.0	1.06	52.0	2.05
L08KF22	1/2	M22*1.5P	27.0	1.06	28.2	1.11	27.0	1.06	58.6	2.31
L08KF24	1/2	M24*1.5P	32.0	1.26	31.7	1.25	30.0	1.18	62.1	2.44
L10KF24	5/8	M24*1.5P	32.0	1.26	33.2	1.31	30.0	1.18	64.7	2.55
L12KF24	3/4	M24*1.5P	32.0	1.26	30.9	1.22	30.0	1.18	67.3	2.65
L12KF30	3/4	M30*1.5P	36.0	1.42	31.4	1.24	32.0	1.26	67.8	2.67
L16KF33	1	M33*1.5P	41.0	1.61	37.8	1.49	36.0	1.42	81.7	3.22

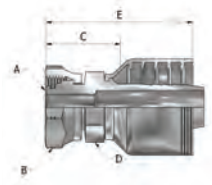
100R12 LS - Life Saver



PART NUMBER	Products Description								
	Hose In-Dia	Nipple Hex		In-Dia		Tail-Growth		Overall length	
		MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A		B		C		E	
L06LS06	3/8	17.46	0.69	9.5	0.37	14.5	0.57	38.3	1.51
L08LS08	1/2	20.63	0.81	12.6	0.50	14.5	0.57	44.9	1.77
L10LS10	5/8	23.8	0.94	16.2	0.64	19.2	0.76	50.7	2.00
L12LS12	3/4	27	1.06	19.4	0.76	16.9	0.67	53.3	2.10
L16LS16	1	35	1.38	25.7	1.01	22.9	0.90	66.8	2.63
L20LS20	1-1/4	46	1.81	31.8	1.25	27.7	1.09	70.2	2.76
L24LS24	1-1/2								
L32LS32	2								

100R12 MF - O-Ring Metric Female Straight 24° Cone





PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06MF00816A (S)	3/8	M16*1.5P	19.0	0.75	33.2	1.31	17.0	0.67	57.0	2.24
L06MF01016A (L)	3/8	M16*1.5P	19.0	0.75	33.2	1.31	19.0	0.75	58.0	2.28
L06MF01018A (S)	3/8	M18*1.5P	22.0	0.87	35.3	1.39	17.0	0.67	59.1	2.33
L06MF01218A (L)	3/8	M18*1.5P	22.0	0.87	35.3	1.39	17.0	0.67	59.1	2.33
L06MF01220A (S)	3/8	M20*1.5P	24.0	0.94	26.7	1.05		0.00	50.5	1.99
L06MF01422A (S)	3/8	M22*1.5P	27.0	1.06	28.2	1.11		0.00	52.0	2.05
L06MF01522A (L)	3/8	M22*1.5P	27.0	1.06	28.2	1.11		0.00	52.0	2.05
L08MF01422A (S)	1/2	M22*1.5P	27.0	1.06	38.1	1.50	22.0	0.87	68.5	2.70
L08MF01522A (L)	1/2	M22*1.5P	27.0	1.06	38.1	1.50	22.0	0.87	68.5	2.70

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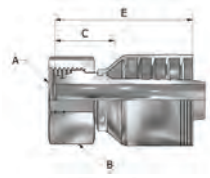
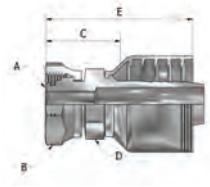
100R12

MF - O-Ring Metric Female Straight 24° Cone *Continued...*



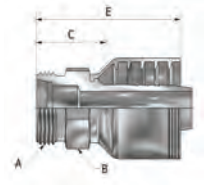


(L) = Light Series Metric
(S) = Heavy Series Metric
SS = Stainless Steel

L08MF01624A (S)	1/2	M24*1.5P	30.0	1.18	28.1	1.11		0.00	58.5	2.30
L08MF01624A**SS** (S)	1/2	M24*1.5P	30.0	1.18	28.1	1.11		0.00	58.5	2.30
L08MF01826A (L)	1/2	M26*1.5P								
L10MF01826A (L)	5/8	M26*1.5P	32.0	1.26	37.6	1.48	24.0	0.94	69.1	2.72
L10MF02030A	5/8	M30*1.5P								
L10MF02030B (S)	5/8	M30*2.0P	36.0	1.42	32.2	1.27		0.00	63.7	2.51
L10MF02536B (S)	5/8	M36*2.0P	46.0	1.81	33.2	1.31			64.7	2.55
L12MF01826A (L)	3/4	M26*1.5P	32.0	1.26	36.3	1.43	27.0	1.06	72.7	2.86
L12MF02030B (S)	3/4	M30*2.0P	36.0	1.42	29.9	1.18		0.00	66.3	2.61
L12MF02030B**SS** (S)	3/4	M30*2.0P	36.0	1.42	29.9	1.18		0.00	66.3	2.61
L12MF02230A	3/4	M30*1.5P	36.0	1.42	26.8	1.06		0.00	63.2	2.49
L12MF02230B (L)	3/4	M30*2.0P	36.0	1.42	26.8	1.06		0.00	63.2	2.49
L12MF02230B**SS** (L)	3/4	M30*2.0P	36.0	1.42	26.8	1.06		0.00	63.2	2.49
L12MF02536B (S)	3/4	M36*2.0P	46.0	1.81	30.9	1.22		0.00	67.3	2.65
L16MF02836B (L)	1	M36*2.0P	46.0	1.81	48.4	1.91	35.0	1.38	92.3	3.63
L16MF03042B (S)	1	M42*2.0P	50.0	1.97	35.6	1.40		0.00	79.5	3.13
L20MF03545B (L)	1-1/4	M45*2.0P	50.0	1.97	54.7	2.15	46.0	1.81	97.2	3.83
L20MF03852B (S)	1-1/4	M52*2.0P	50.0	1.97	54.7	2.15				
L24MF04252B (L)	1-1/2	M52*2.0P								

100R12

MM - Metric Male Straight 24° Cone

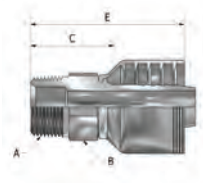


(S) = Heavy Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
L06MM1220A (S)	3/8	M20*1.5P	22.0	0.87	30.0	1.18	53.8	2.12		
L08MM1624A (S)	1/2	M24*1.5P	24.0	0.94	31.9	1.26	62.3	2.45		
L10MM2030B (S)	5/8	M30*2.0P	30.0	1.18	37.6	1.48	69.1	2.72		
L12MM2536B (S)	3/4	M36*2.0P	41.0	1.61	37.5	1.48	73.9	2.91		
L16MM3042B (S)	1	M42*2.0P	46.0	1.81	42.9	1.69	86.8	3.42		

100R12

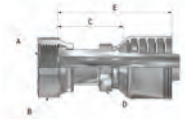
NM - Taper Male NPT Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread NPTF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
L08NM08	1/2	1/2-14	22.0	0.87	41.6	1.64	72.0	2.83		
L12NM12	3/4	3/4-14	27.0	1.06	42.0	1.65	78.4	3.09		
L16NM16	1	1-11-1/2	35.0	1.38	49.2	1.94	93.1	3.67		
L20NM20	1-1/4	1-1/4-11-1/2	44.5	1.75	61.4	2.42	103.9	4.09		
L24NM24	1-1/2	1-1/2-11-1/2	50.8	2.00	55.9	2.20	111.1	4.37		
L32NM32	2	2-11-1/2	63.5	2.50	62.0	2.44	119.9	4.72		

100R12

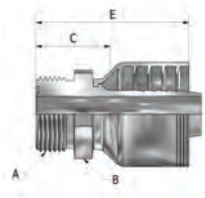
FO - Female O-Ring Face Seal Swivel Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06FO11	3/8	11/16-16	22.0	0.87	33.0	1.30	17.5	0.69	56.8	
L06FO13	3/8	13/16-16	23.8	0.94	39.3	1.55	20.6	0.81	63.1	
L08FO11	1/2	11/16-16	22.0	0.87	33.0	1.30	20.6	0.81	63.4	
L08FO13	1/2	13/16-16	23.8	0.94	40.1	1.58	22.0	0.87	70.5	
L08FO16	1/2	1-14	30.0	1.18	43.1	1.70	23.8	0.94	73.5	
L08FO19	1/2	1-3/16-12	36.0	1.42	48.4	1.91	28.6	1.12	78.8	
L10FO16	5/8	1-14	30.0	1.18	44.6	1.76	23.8	0.94	76.1	
L10FO19	5/8	1-3/16-12	36.0	1.42	49.3	1.94	28.6	1.12	80.8	
L12FO16	3/4	1-14	30.0	1.18	45.0	1.77	27.0	1.06	81.4	
L12FO19	3/4	1-3/16-12	36.0	1.42	47.6	1.87	28.6	1.12	84.0	
L12FO23	3/4	1-7/16-12	41.0	1.61	49.2	1.94	35.0	1.38	85.6	
L16FO19	1	1-3/16-12	36.0	1.42	50.3	1.98	35.0	1.38	94.1	
L16FO23	1	1-7/16-12	41.0	1.61	49.9	1.96	35.0	1.38	93.8	
L16FO27	1	1-11/16-12	50.0	1.97	54.0	2.13	41.0	1.61	103.1	
L20FO27	1-1/4	1-11/16-12	50.0	1.97	53.6	2.11	46.0	1.81	96.1	
L24FO32	1-1/2	2-12	60.0	2.36	65.3	2.57	50.8	2.00	120.5	

100R12

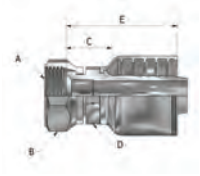
MO - Male O-Ring Face Seal



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
L06MO11	3/8	11/16-16	19.0	0.75	26.8	1.06	50.6	1.99		
L06MO13	3/8	13/16-16	22.0	0.87	32.1	1.26	55.9	2.20		
L08MO13	1/2	13/16-16	22.0	0.87	32.1	1.26	62.5	2.46		
L08MO16	1/2	1-14	27.0	1.06	37.1	1.46	67.5	2.66		

100R12

SF - SAE Female Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L12SF17	3/4	1-1/16-14	32	1.260	27.3	1.075	25.4	1	62.7	2.469

22.5 Degree

100R12

F61 - SAE Code 61 Flange 22.5° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L12F611222.5	3/4	3/4	38.1	1.50	67.0	2.64	15.8	0.62	103.3	4.07
L12F611622.5	3/4	1	44.5	1.75	71.2	2.80	16.9	0.67	107.5	4.23
L16F611622.5	1	1	44.5	1.75	82.3	3.24	19.7	0.78	126.2	4.97
L16F612022.5	1	1-1/4	50.8	2.00	82.8	3.26	19.6	0.77	125.9	4.96
L20F612022.5	1-1/4	1-1/4	50.8	2.00	99.6	3.92	19.7	0.78	142.1	5.59
L20F612422.5	1-1/4	1-1/2	60.3	2.37	108.2	4.26	23.2	0.91	150.7	5.93
L20F613222.5	1-1/4	2								
L24F612422.5	1-1/2	1-1/2	60.3	2.37	113.4	4.46	21.7	0.85	168.6	6.64
L24F613222.5	1-1/2	2	71.4	2.81	135.4	5.33	30.8	1.21	190.5	7.50
L32F613222.5	2	2	71.4	2.81	148.6	5.85	30.2	1.19	206.5	8.13

30 Degree

100R12

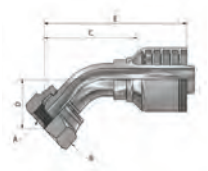
F61 - SAE Code 61 Flange 30° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L12F611230	3/4	3/4	38.1	1.50	65.3	2.57	19.9	0.78	101.6	4.00
L12F611630	3/4	1	44.5	1.75	67.7	2.67	21.3	0.84	104.0	4.09
L16F611630	1	1	44.5	1.75	81.7	3.22	24.8	0.98	125.6	4.94
L16F612030	1	1-1/4	50.8	2.00	80.0	3.15	24.6	0.97	123.8	4.87
L20F612030	1-1/4	1-1/4	50.8	2.00	97.7	3.85	24.5	0.96	140.2	5.52
L20F612430	1-1/4	1-1/2	60.3	2.37	105.6	4.16	29.1	1.15	148.1	5.83
L24F612430	1-1/2	1-1/2	60.3	2.37	111.4	4.39	26.9	1.06	166.6	6.56
L24F613230	1-1/2	2	71.4	2.81	131.9	5.19	38.8	1.53	187.1	7.37
L32F613230	2	2	71.4	2.81	145.9	5.74	37.3	1.47	203.7	8.02

45 Degree

100R12

BF - BSP Female Parallel Pipe Swivel 45° Elbow 60° Cone

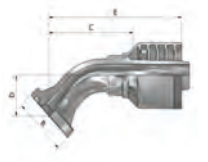


SS = Stainless Steel

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06BF0645	3/8	3/8-19	22.0	0.87	45.7	1.80	22.2	0.87	69.5	2.74
L06BF0845	3/8	1/2-14	27.0	1.06	59.3	2.33	28.8	1.13	83.1	3.27
L08BF0845	1/2	1/2-14	27.0	1.06	54.1	2.13	28.0	1.10	84.4	3.32
L10BF1045	5/8	5/8-14	28.6	1.12	54.3	2.14	24.3	0.96	85.8	3.38
L12BF1245	3/4	3/4-14	36.0	1.42	67.0	2.64	32.3	1.27	103.3	4.07
L16BF1645	1	1-11	41.0	1.61	84.8	3.34	40.4	1.59	128.6	5.06
L16BF1645**SS**	1	1-11	41.0	1.61	84.8	3.34	40.4	1.59	128.6	5.06
L20BF2045	1-1/4	1-1/4-11	50.0	1.97	116.3	4.58	55.5	2.19	158.8	6.25
L24BF2445	1-1/2	1-1/2-11	55.0	2.17	131.4	5.17	60.1	2.37	186.6	7.35
L32BF3245	2	2-11	70.0	2.76	161.8	6.37	68.8	2.71	219.6	8.65

100R12

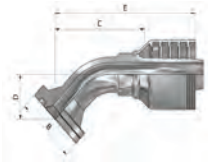
F61 - SAE Code 61 Flange 45° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L08F610845	1/2	1/2	30.2	1.19	51.9	2.04	21.5	0.85	82.3	3.24
L08F611245	1/2	3/4	38.1	1.50	52.6	2.07	22.0	0.87	82.9	3.26
L10F611045	5/8	5/8	34.1	1.34	69.0	2.72	37.1	1.46	100.5	3.96
L12F611245	3/4	3/4	38.1	1.50	61.4	2.42	26.0	1.02	97.8	3.85
L12F611645	3/4	1	44.5	1.75	63.2	2.49	28.0	1.10	99.6	3.92
L16F611645	1	1	44.5	1.75	78.1	3.07	32.0	1.26	122.0	4.80
L16F612045	1	1-1/4	50.8	2.00	74.8	2.94	32.0	1.26	118.7	4.67
L20F612045	1-1/4	1-1/4	50.8	2.00	99.8	3.93	38.0	1.50	142.3	5.60
L20F612445	1-1/4	1-1/2	60.3	2.37	99.8	3.93	38.0	1.50	142.3	5.60
L24F612445	1-1/2	1-1/2	60.3	2.37	113.8	4.48	41.0	1.61	169.0	6.65
L24F613245	1-1/2	2	71.4	2.81	122.8	4.83	50.0	1.97	178.0	7.01
L32F613245	2	2	71.4	2.81	142.6	5.61	49.7	1.96	200.5	7.89
L32F614045	2	2-1/2	84.1	3.31	148.2	5.83	55.3	2.18	206.0	8.11

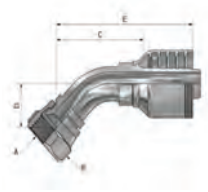
100R12

F62 - SAE Code 62 Flange 45° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L08F620845	1/2	1/2	31.8	1.25	51.9	2.04	21.5	0.85	82.2	3.24
L12F621245	3/4	3/4	41.3	1.63	62.4	2.46	27.0	1.06	98.8	3.89
L16F621645	1	1	47.6	1.87	76.3	3.00	32.0	1.26	120.2	4.73
L16F622045	1	1-1/4	54.0	2.13	78.9	3.11	32.0	1.26	122.8	4.83
L24F622445	1-1/2	1-1/2	63.5	2.50	115.3	4.54	44.0	1.73	170.5	6.7

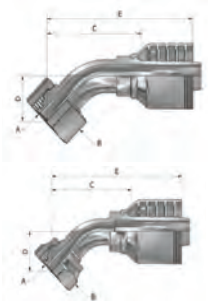
JF - JIC Female 37° Swivel 45° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06JF0945	3/8	9/16-18	17.5	0.69	34.5	1.36	11.0	0.43	58.3	2.30
L06JF1245	3/8	3/4-16	22.2	0.87	37.5	1.48	14.0	0.55	61.3	2.41
L06JF1445	3/8	7/8-14	25.4	1.00	41.5	1.63	15.0	0.59	65.3	2.57
L08JF1245	1/2	3/4-16	22.2	0.87	41.4	1.63	15.0	0.59	71.8	2.83
L08JF1445	1/2	7/8-14	25.4	1.00	41.4	1.63	15.0	0.59	71.8	2.83
L08JF1745	1/2	1-1/16-12	31.8	1.25	48.1	1.89	20.0	0.79	78.4	3.09
L10JF1445	5/8	7/8-14	25.4	1.00	45.5	1.79	16.0	0.63	77.0	3.03
L10JF1745	5/8	1-1/16-12	31.8	1.25	57.0	2.24	21.0	0.83	88.5	3.48
L12JF1745	3/4	1-1/16-12	31.8	1.25	63.0	2.48	27.0	1.06	99.4	3.91
L12JF2145	3/4	1-5/16-12	38.1	1.50	58.7	2.31	24.0	0.94	95.1	3.74
L16JF2145	1	1-5/16-12	38.1	1.50	77.3	3.04	33.0	1.30	121.2	4.77
L20JF2645	1-1/4	1-5/8-12	50.0	1.97	103.8	4.09	45.0	1.77	146.3	5.76
L24JF3045	1-1/2	1-7/8-12	55.0	2.17	126.0	4.96	52.0	2.05	181.2	7.13
L32JF4045	2	2-1/2-12	73.0	2.87	148.6	5.85	55.7	2.19	206.5	8.13

100R12

MF - O-Ring Metric Female 45° Elbow 24° Cone

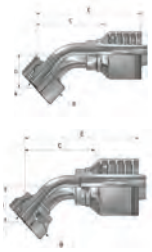


PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06MF01016A45 (L)	3/8	M16*1.5P	19.0	0.75	42.5	1.67	19.0	0.75	66.3	2.61
L06MF01218A45 (L)	3/8	M18*1.5P	22.0	0.87	42.5	1.67	19.0	0.75	66.3	2.61
L06MF01220A45 (S)	3/8	M20*1.5P	24.0	0.94	46.5	1.83	20.0	0.79	70.3	2.77
L08MF01522A45 (L)	1/2	M22*1.5P	27.0	1.06	56.0	2.20	22.0	0.87	86.3	3.40
L08MF01624A45 (S)	1/2	M24*1.5P	30.0	1.18	55.8	2.20	23.5	0.93	86.2	3.39

Continued on following page...

100R12

MF - O-Ring Metric Female 45° Elbow 24° Cone *Continued...*

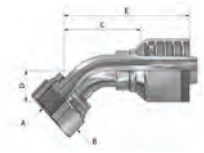


(L) = Light Series Metric
(S) = Heavy Series Metric

L10MF01826A45 (L)	5/8	M26*1.5P	32.0	1.26	57.7	2.27	24.2	0.95	89.2	3.51
L10MF02030B45 (S)	3/4	M30*2.0P	36.0	1.42						
L12MF02030B45 (S)	3/4	M30*2.0P	36.0	1.42	66.7	2.63	29.0	1.14	103.1	4.06
L12MF02230B45 (L)	3/4	M30*2.0P	36.0	1.42	60.2	2.37	25.5	1.00	96.6	3.80
L12MF02536B45 (S)	3/4	M36*2.0P	46.0	1.81	66.7	2.63	34.0	1.34	103.1	4.06
L16MF02836B45 (L)	1	M36*2.0P	46.0	1.81	79.2	3.12	36.9	1.45	123.1	4.85
L16MF03042B45 (S)	1	M42*2.0P								
L20MF03545B45 (L)	1-1/4	M45*2.0P	50.0	1.97	109.8	4.32	48.0	1.89	152.3	6.00
L20MF03852B45 (S)	1-1/4	M52*2.0P	60.0	2.36	110.8	4.36	50.0	1.97	153.3	6.04
L24MF04252B45 (L)	1-1/2	M52*2.0P								

100R12

FO - Female O-Ring Face Seal Swivel 45° Elbow

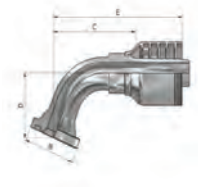


PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06FO1145	3/8	11/16-16	22.0	0.87	34.5	1.36	11.0	0.43	58.3	2.30
L06FO1345	3/8	13/16-16	23.8	0.94	40.4	1.59	15.0	0.59	64.2	2.53
L08FO1345	1/2	13/16-16	23.8	0.94	41.3	1.63	15.0	0.59	71.7	2.82
L08FO1645	1/2	1-14	30.0	1.18	43.9	1.73	16.0	0.63	74.3	2.93
L10FO1645	5/8	1-14	30.0	1.18	45.5	1.79	16.0	0.63	77.0	3.03
L10FO1945	5/8	1-3/16-12	36.0	1.42	58.1	2.29	21.0	0.83	89.6	3.53
L12FO1945	3/4	1-3/16-12	36.0	1.42	55.8	2.20	21.1	0.83	92.2	3.63
L16FO2345	1	1-7/16-12	41.0	1.61	69.0	2.72	24.0	0.94	112.9	4.44
L20FO2745	1-1/4	1-11/16-12	50.0	1.97	102.7	4.04	41.0	1.61	145.2	5.72
L24FO3245	1-1/2	2-12	60.0	2.36	119.3	4.70	48.0	1.89	174.5	6.87

60 Degree

100R12

F61 - SAE Code 61 Flange 60° Elbow

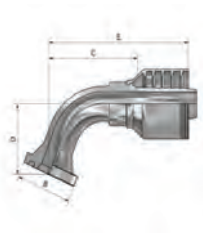


PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L12F611260	3/4	3/4	38.1	1.50	64.4	2.54	39.2	1.54	100.7	3.96
L12F611660	3/4	1	44.5	1.75	64.4	2.54	42.1	1.66	100.8	3.97
L16F611660	1	1	44.5	1.75	72.8	2.87	38.0	1.50	116.6	4.59
L16F612060	1	1-1/4	50.8	2.00	82.9	3.26	58.6	2.31	126.7	4.99
L20F612060	1-1/4	1-1/4	50.8	2.00	96.4	3.80	47.2	1.86	138.9	5.47
L20F612460	1-1/4	1-1/2	60.3	2.37	96.4	3.80	47.2	1.86	138.9	5.47
L24F612460	1-1/2	1-1/2	60.3	2.37	114.6	4.51	56.4	2.22	169.8	6.69
L24F613260	1-1/2	2	71.4	2.81	122.7	4.83	71.0	2.80	177.9	7.00
L32F613260	2	2	71.4	2.81	150.5	5.93	77.1	3.04	208.3	8.20

67.5 Degree

100R12

F61 - SAE Code 61 Flange 67.5° Elbow

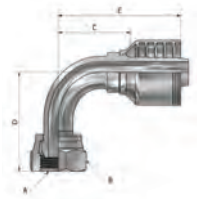


PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L12F611267.5	3/4	3/4	38.1	1.50	62.0	2.44	42.4	1.67	98.4	3.87
L12F611667.5	3/4	1	44.5	1.75	61.1	2.41	44.1	1.74	97.4	3.83
L16F611667.5	1	1	44.5	1.75	79.7	3.14	61.4	2.42	123.6	4.87
L16F612067.5	1	1-1/4	50.8	2.00	77.9	3.07	61.4	2.42	121.8	4.80
L20F612067.5	1-1/4	1-1/4	50.8	2.00	93.6	3.69	49.0	1.93	136.1	5.36
L20F612467.5	1-1/4	1-1/2	60.3	2.37	93.6	3.69	49.0	1.93	136.1	5.36
L24F612467.5	1-1/2	1-1/2	60.3	2.37	111.2	4.38	59.0	2.32	166.4	6.55
L24F613267.5	1-1/2	2	71.4	2.81	117.5	4.63	74.1	2.92	172.7	6.80
L32F613267.5	2	2	71.4	2.81	146.3	5.76	79.9	3.15	204.2	8.04

90 Degree

100R12

BF - BSP Female Parallel Pipe Swivel 90° Elbow 60° Cone

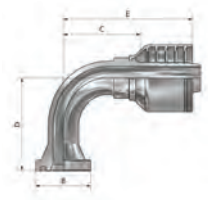


B = Block
L = Long Drop
SS = Stainless Steel

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06BF0690-33MM	3/8	3/8-19	22.0	0.87	31.1	1.22	40.4	1.59	54.9	2.16
L06BF0890-40.9MM	3/8	1/2-14	27.0	1.06	39.3	1.55	50.6	1.99	63.1	2.48
L08BF0890-40.9MM	1/2	1/2-14	27.0	1.06	38.1	1.50	50.6	1.99	68.5	2.70
L08BF0890B-32.3MM	1/2	1/2-14	27.0	1.06	32.8	1.29	42.0	1.65	63.2	2.49
L08BF0890L-80MM	1/2	1/2-14	27.0	1.06	35.2	1.39	89.7	3.53	65.6	2.58
L08BF0890**SS**-40.9MM	1/2	1/2-14	27.0	1.06	38.1	1.50	50.6	1.99	68.5	2.70
L10BF1090-42.6MM	5/8	5/8-14	28.6	1.12	41.6	1.64	51.8	2.04	73.1	2.88
L12BF1290-55MM	3/4	3/4-14	36.0	1.42	51.3	2.02	64.0	2.52	87.6	3.45
L12BF1290B-36MM	3/4	3/4-14	36.0	1.42	36.9	1.45	45.0	1.77	73.2	2.88
L12BF1290**SS**-55MM	3/4	3/4-14	36.0	1.42	51.3	2.02	64.0	2.52	87.6	3.45
L16BF1690-73.5MM	1	1-11	41.0	1.61	77.6	3.06	84.0	3.31	121.5	4.78
L16BF1690**SS**-73.5MM	1	1-11	41.0	1.61	77.6	3.06	84.0	3.31	121.5	4.78
L20BF2090-88.5MM	1-1/4	1-1/4-11	50.0	1.97	87.2	3.43	101.9	4.01	129.7	5.11
L24BF2490-110MM	1-1/2	1-1/2-11	55.0	2.17	103.5	4.07	120.0	4.72	158.7	6.25
L32BF3290-138MM	2	2-11	70.0	2.76	144.2	5.68	152.9	6.02	202.1	7.96

100R12

F61 - SAE Code 61 Flange 90° Elbow

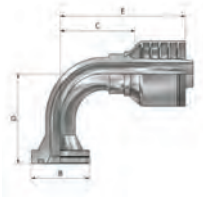


L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L08F610890-43MM	1/2	1/2	30.2	1.19	48.1	1.89	43.0	1.69	78.5	3.09
L08F611290-50MM	1/2	3/4	38.1	1.50	45.2	1.78	50.0	1.97	75.6	2.98
L10F611090-53MM	5/8	5/8	34.1	1.34	46.6	1.83	53.0	2.09	78.1	3.07
L12F611290-58MM	3/4	3/4	38.1	1.50	52.8	2.08	58.0	2.28	89.1	3.51
L12F611290L-83MM	3/4	3/4	38.1	1.50	52.8	2.08	83.0	3.27	89.2	3.51
L12F611690-56.9MM	3/4	1	44.5	1.75	52.8	2.08	58.0	2.28	89.2	3.51
L12F611690L-117MM***	3/4	1	44.5	1.75	52.8	2.08	117.0	4.61		
L12F612090-58MM	3/4	1-1/4	50.8	2.00	52.8	2.08	58.0	2.28	89.2	3.51
L16F611690-70MM	1	1	44.5	1.75	65.1	2.56	70.0	2.76	109.0	4.29
L16F611690L-117MM	1	1	44.5	1.75	65.1	2.56	117.0	4.61	109.0	4.29
L16F611690L-150MM	1	1	44.5	1.75	65.1	2.56	150.0	5.91	109.0	4.29
L16F612090-70MM	1	1-1/4	50.8	2.00	65.1	2.56	70.0	2.76	109.0	4.29
L16F612090L-117MM	1	1-1/4	50.8	2.00	90.1	3.55	117.0	4.61	134.0	5.28
L16F612490-75MM	1	1-1/2	60.3	2.37	65.1	2.56	75.0	2.95	109.0	4.29
L20F611690-70MM	1-1/4	1					70.0	2.75		
L20F612090-82MM	1-1/4	1-1/4	50.8	2.00	88.2	3.47	82.0	3.23	130.7	5.15
L20F612090L-140MM	1-1/4	1-1/4	50.8	2.00	108.2	4.26	140.0	5.51	150.7	5.93
L20F612490-90MM	1-1/4	1-1/2	60.3	2.37	88.2	3.47	90.0	3.54	130.7	5.15
L24F612490-104MM	1-1/2	1-1/2	60.3	2.37	105.0	4.13	104.0	4.09	160.2	6.31
L24F612490L-147MM	1-1/2	1-1/2	60.3	2.37	110.0	4.33	147.0	5.79	165.2	6.50
L24F613290-104MM	1-1/2	2	71.4	2.81	105.0	4.13	104.0	4.09	160.2	6.31
L32F612490L-160MM	2	2					160.0	6.29		
L32F612490-220MM	2	2					220.0	8.66		
L32F613290-120MM	2	2	71.4	2.81	139.8	5.50	120.0	4.72	197.7	7.78
L32F613290L-197MM	2	2	71.4	2.81			197.0	7.75		
L32F614090-125MM	2	2-1/2	84.1	3.31	139.8	5.50	125.0	4.92	197.7	7.78

100R12

F62 - SAE Code 62 Flange 90° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L08F620890-45MM	1/2	1/2	31.8	1.25	45.0	1.77	45.0	1.77	75.4	2.97
L12F621290-58MM	3/4	3/4	41.3	1.63	52.8	2.08	58.0	2.28	89.2	3.51
L12F621690-58MM	3/4	1	47.6	1.87	53.0	2.09	58.0	2.28	89.4	3.52
L16F621690-70MM	1	1	47.6	1.87	69.0	2.72	70.0	2.76	112.9	4.44
L16F622090-70MM	1	1-1/4	54.0	2.13	66.8	2.63	70.0	2.76	110.7	4.36
L20F622090-82MM	1-1/4	1-1/4	54.0	2.13	86.9	3.42	82.0	3.23	129.4	5.1
L24F622490-104MM	1-1/2	1-1/2	63.5	2.50	103.5	4.07	104.0	4.09	158.7	6.2
L32F623290-124MM	2	2	79.4	3.13	139.8	5.50	124.0	4.88	197.7	7.78

100R12

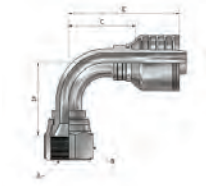
JF - JIC Female 37° Swivel 90° Elbow

B = Block
L = Long Drop
SS = Stainless Steel

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06JF0990-23MM	3/8	9/16-18	17.5	0.69	31.1	1.22	23.0	0.91	54.9	2.16
L06JF0990L-55MM	3/8	9/16-18	17.5	0.69	31.1	1.22	55.0	2.17	54.9	2.16
L06JF1290-28MM	3/8	3/4-16	22.2	0.87	31.1	1.22	28.0	1.10	54.9	2.16
L06JF1290L-62MM	3/8	3/4-16	22.2	0.87	41.1	1.62	62.0	2.44	64.9	2.56
L06JF1490-27.4MM	3/8	7/8-14	25.4	1.00	34.1	1.34	27.4	1.08	57.9	2.28
L08JF1290-31MM	1/2	3/4-16	22.2	0.87	35.2	1.39	31.0	1.22	65.6	2.58
L08JF1290L-62MM	1/2	3/4-16	22.2	0.87	45.2	1.78	62.0	2.44	75.6	2.98
L08JF1290**SS**-31MM	1/2	3/4-16	22.2	0.87	35.2	1.39	31.0	1.22	65.6	2.58
L08JF1490-31MM	1/2	7/8-14	25.4	1.00	35.2	1.39	31.0	1.22	65.6	2.58
L08JF1490L-66MM	1/2	7/8-14	25.4	1.00	45.2	1.78	66.0	2.60	75.6	2.98
L08JF1790-46MM	1/2	1-1/16-12	31.8	1.25	39.2	1.54	46.0	1.81	69.6	2.74
L10JF1490-34MM	5/8	7/8-14	25.4	1.00	40.6	1.60	34.0	1.34	72.1	2.84
L10JF1490L-66MM	5/8	7/8-14	25.4	1.00	50.6	1.99	66.0	2.60	82.1	3.23
L10JF1790-48MM	5/8	1-1/16-12	31.8	1.25	50.6	1.99	48.0	1.89	82.1	3.23
L12JF1790-53MM	3/4	1-1/16-12	31.8	1.25	52.3	2.06	53.0	2.09	88.7	3.49
L12JF1790B-33.9MM	3/4	1-1/16-12	31.8	1.25	36.9	1.45	30.0	1.18	73.2	2.88
L12JF1790L-95MM	3/4	1-1/16-12	31.8	1.25	83.0	3.27	95.0	3.74	119.4	4.70
L12JF1790**SS**-53MM	3/4	1-1/16-12	31.8	1.25	52.3	2.06	53.0	2.09	88.7	3.49
L12JF2190-56MM	3/4	1-5/16-12	38.1	1.50	52.3	2.06	56.0	2.20	88.7	3.49
L16JF2190-70MM	1	1-5/16-12	38.1	1.50	66.6	2.62	70.0	2.76	110.5	4.35
L16JF2190L-110MM	1	1-5/16-12	38.1	1.50	91.6	3.61	110.0	4.33	135.5	5.33
L16JF2190**SS**-70MM	1	1-5/16-12	38.1	1.50	66.6	2.62	70.0	2.76	110.5	4.35
L20JF2690-85MM	1-1/4	1-5/8-12	50.0	1.97	85.2	3.35	85.0	3.35	134.0	5.28
L20JF2690L-134MM	1-1/4	1-5/8-12	50.0	1.97	105.2	4.14	134.0	5.28	147.7	5.81
L24JF3090-110MM	1-1/2	1-7/8-12	55.0	2.17	105.5	4.15	110.0	4.33	160.7	6.33
L32JF4090-136MM	2	2-1/2-12	73.0	2.87	139.8	5.50	136.0	5.35	197.7	7.78

100R12

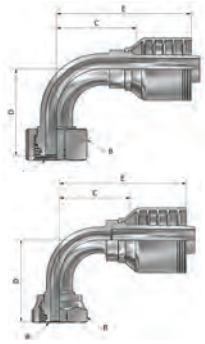
KF - Komatsu Female Swivel 90° Elbow 30° Flare JIS Metric



PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L08KF2290-31MM	1/2	M22*1.5P	27.0	1.06	42.3	1.67	31.0	1.22	72.7	2.86
L12KF3090-55MM	3/4	M30*1.5P	36.0	1.42	54.3	2.14	55.0	2.17	90.7	3.57

100R12

MF - O-Ring Metric Female 90° Elbow 24° Cone

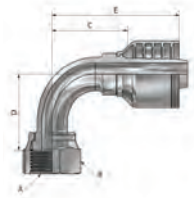


(L) = Light Series Metric
(S) = Heavy Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06MF01016A90-34MM (L)	3/8	M16*1.5P	19.0	0.75	31.1	1.22	34.0	1.34	54.9	2.16
L06MF01018A90-36MM (S)	3/8	M18*1.5P	22.0	0.87	31.1	1.22	36.0	1.42	54.9	2.16
L06MF01218A90-36MM (L)	3/8	M18*1.5P	22.0	0.87	31.1	1.22	36.0	1.42	54.9	2.16
L06MF01220A90-37MM (S)	3/8	M20*1.5P	24.0	0.94	35.1	1.38	37.0	1.46	58.9	2.32
L06MF01422A90-37MM-0	3/8	M22*1.5P	27.0	1.06	38.1	1.50	37.0	1.46	61.9	2.44
L06MF01522A90-37MM (L)	3/8	M22*1.5P	27.0	1.06	38.1	1.50	37.0	1.46	61.9	2.44
L08MF01422A90-37MM (S)	1/2	M22*1.5P					37.0	1.46		
L08MF01522A90-41.7MM (L)	1/2	M22*1.5P	27.0	1.06	45.1	1.78	41.7	1.64	75.5	2.97
L08MF01624A90-45MM (S)	1/2	M24*1.5P	30.0	1.18	46.0	1.81	45.0	1.77	74.5	2.93
L08MF01826A90-46MM (L)	1/2						46.0	1.81		
L10MF01826A90-48MM (L)	5/8	M26*1.5P	32.0	1.26	50.6	1.99	48.0	1.89	82.1	3.23
L10MF02030B90-52MM (S)	5/8	M30*2.0P	36.0	1.42	52.6	2.07	52.0	2.05	84.1	3.31
L10MF02230B90-48MM (L)	5/8	M30*2.0P	36.0	1.42	56.6	2.23	48.0	1.89	88.1	3.47
L10MF02536B90-59MM (S)	5/8	M36*2.0P	46.0	1.81	56.6	2.23	59.0	2.32	88.1	3.47
L12MF01826A90-52.8MM (L)	3/4	M26*1.5P	32.0	1.26	45.3	1.78	52.8	2.08	81.7	3.22
L12MF02030B90-56.5MM (S)	3/4	M30*2.0P	36.0	1.42	52.3	2.06	56.5	2.22	88.7	3.49
L12MF02230B90-58MM (L)	3/4	M30*2.0P	36.0	1.42	52.3	2.06	58.0	2.28	88.7	3.49
L12MF02536B90-65MM (S)	3/4	M36*2.0P	46.0	1.81	50.3	1.98	65.0	2.56	86.7	3.41
L16MF03042B90-75MM (S)	1	M42*2.0P	50.0	1.97	64.6	2.54	75.0	2.95	108.5	4.27
L20MF03545B90-85MM (L)	1-1/4	M45*2.0P	50.0	1.97	88.2	3.47	85.0	3.35	130.7	5.15
L24MF04252B90-101MM (L)	1-1/2	M52*2.0P	60.0	2.36	105.0	4.13	101.0	3.98	160.2	6.31

100R12

FO - Female O-Ring Face Seal Swivel 90° Elbow



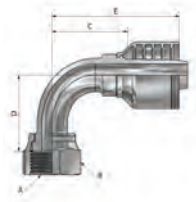
L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L06FO1190-23MM	3/8	11/16-16	22.0	0.87	31.1	1.22	23.0	0.91	54.9	2.16
L06FO1190L-54MM	3/8	11/16-16	22.0	0.87	31.1	1.22	54.0	2.13	54.9	2.16
L06FO1390-29MM	3/8	13/16-16	23.8	0.94	33.0	1.30	29.0	1.14	56.8	2.24
L06FO1390L-64MM	3/8	13/16-16	23.8	0.94	33.0	1.30	64.0	2.52	56.8	2.24
L08FO1390-29MM	1/2	13/16-16	23.8	0.94	35.1	1.38	29.0	1.14	65.5	2.58
L08FO1390L-63.8MM	1/2	13/16-16	23.8	0.94	35.1	1.38	63.8	2.51	65.5	2.58
L08FO1690-32MM	1/2	1"-14	30.0	1.18	38.2	1.50	32.0	1.26	68.6	2.70
L08FO1990-43MM	1/2	1-3/16-12	36.0	1.42	35.1	1.38	43.0	1.69	65.5	2.58
L10FO1690-32MM	5/8	1"-14	30.0	1.18	40.6	1.60	32.0	1.26	72.1	2.84
L10FO1690L-70MM	5/8	1"-14	30.0	1.18	40.6	1.60	70.0	2.76	72.1	2.84
L10FO1990-48MM	5/8	1-3/16-12	36.0	1.42	47.0	1.85	48.0	1.89	78.5	3.09
L12FO1990-48MM	3/4	1-3/16-12	36.0	1.42	52.3	2.06	48.0	1.89	88.7	3.49

Continued on following page...

100R12

FO - Female O-Ring Face Seal Swivel 90° Elbow *Continued...*



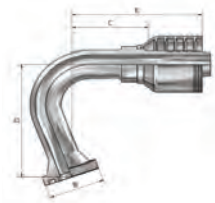
L = Long Drop

L12FO1990L-96MM	3/4	1-3/16-12	36.0	1.42	52.3	2.06	96.0	3.78	88.7	3.49
L12FO2390-56MM	3/4	1-7/16-12	41.0	1.61	52.3	2.06	56.0	2.20	88.7	3.49
L16FO2390-56MM	1"	1-7/16-12	41.0	1.61	67.3	2.65	56.0	2.20	111.2	4.38
L16FO2390L-114MM	1"	1-7/16-12	41.0	1.61	67.3	2.65	114.0	4.49	111.2	4.38
L16FO2790-75MM	1"	1-11/16-12	50.0	1.97	62.6	2.46	75.0	2.95	106.5	4.19
L20FO2790-82MM	1-1/4	1-11/16-12	50.0	1.97	87.3	3.44	82.0	3.23	136.1	5.36
L20FO2790L-129MM	1-1/4	1-11/16-12	50.0	1.97	87.3	3.44	129.0	5.08		
L24FO3290-101MM	1-1/2	2"-12	60.0	2.36	105.0	4.13	101.0	3.98	160.2	6.31
L24FO3290L-141MM	1-1/12	2"-12	60.0	2.36	105.0	4.13	141	5.55	160.2	6.31

110 Degree

100R12

F61 - SAE Code 61 Flange 110° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
L12F6112110	3/4	3/4	38.1	1.50	51.1	2.01	84.0	3.31	87.4	3.44
L12F6116110	3/4	1	44.5	1.75	52.8	2.08				
L16F6116110	1	1	44.5	1.75	57.2	2.25	94.0	3.70	101.0	3.98
L16F6120110	1	1-1/4	50.8	2.00	61.2	2.41	94.0	3.70	105.0	4.13
L20F6120110	1-1/4	1-1/4	50.8	2.00	69.6	2.74	104.0	4.09	112.1	4.41
L20F6124110	1-1/4	1-1/2	60.3	2.37	69.6	2.74	104.0	4.09	112.1	4.41
L24F6124110	1-1/2	1-1/2	60.3	2.37						
L24F6132110	1-1/2	1-1/2	71.4	2.81						
L32F6132110	2	2	71.4	2.81	118.0	4.65	154.0	6.06	175.9	6.93

N Series Hose Tails to suit 100R13, 100R15 & GH506

Straight

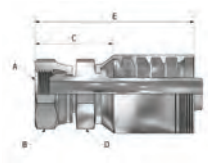
100R13, 100R15 & GH506

HU - 1502 Hammer Union Male and Female

PART NUMBER	Products Description									
	Hose In-Dia	Nipple		Tail-Growth		Overall length				
		MM	Inch	MM	Inch	MM	Inch			
		A		C		E				
N32FHU32	2									
N32MHU32	2									

100R13, 100R15 & GH506

BF - BSP Female Parallel Pipe Swivel Straight 60° Cone



PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12BF12	3/4	3/4-14	36.0	1.42	50.0	1.97	36.0	1.42	102.2	4.02
N16BF16	1	43040	41.0	1.61	57.9	2.28	41.0	1.61	111.9	4.41
N16BF20	1	1-1/4-11	50.0	1.97	63.7	2.51	50.0	1.97	117.7	4.63
N20BF20	1-1/4	1-1/4-11	50.0	1.97	71.6	2.82	50.0	1.97	136.5	5.37
N24BF24	1-1/2	1-1/2-11	55.0	2.17	84.4	3.32	60.0	2.36	157.2	6.19
N32BF32	2	2-11	70.0	2.76	85.3	3.36	70.0	2.76	168.2	6.62

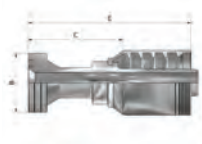
100R13, 100R15 & GH506

BM - BSP Male Taper

PART NUMBER	Products Description									
	Hose In-Dia	Thread PT	Nipple Hex		Tail-Growth		Overall length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
N12BM16	3/4	1-11								

100R13, 100R15 & GH506

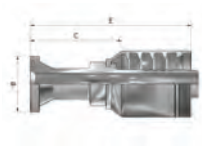
FC62 - CAT Flange Straight



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
N12FC6212	3/4	3/4	41.3	1 5/8	71.9	2.83	124.4	4.90		
N12FC6216	3/4	1	47.6	1 7/8	50.6	1.99	103.2	4.06		
N16FC6216	1	1	47.6	1 7/8	87.5	3.44	141.5	5.57		
N16FC6220	1	1-1/4	54.0	2 1/8	55.4	2.18	109.8	4.32		
N20FC6220	1-1/4	1-1/4	54.0	2 1/8	93.4	3.68	158.7	6.25		
N20FC6224	1-1/4	1-1/2	63.5	2 1/2	68.3	2.69	133.6	5.26		
N24FC6224	1-1/2	1-1/2	63.5	2 1/2	118.6	4.67	191.6	7.54		
N24FC6232	1-1/2	2	79.4	3 1/8	86.4	3.40	159.4	6.28		

100R13, 100R15 & GH506

F61 - SAE Code 61 Flange Straight

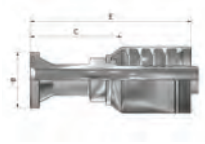


PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
N12F6112	3/4	3/4	38.1	1.50	67.8	2.67	120.0	4.72		
N12F6116	3/4	1	44.5	1.75	54.3	2.14	106.5	4.19		
N16F6116	1	1	44.5	1.75	70.8	2.79	124.8	4.91		

Continued on following page...

100R13, 100R15 & GH506

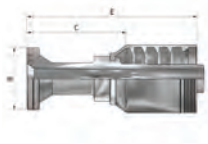
F61 - SAE Code 61 Flange Straight *Continued...*



N16F6120	1	1-1/4	50.8	2.00	43.5	1.71	97.5	3.84		
N20F6120	1-1/4	1-1/4	50.8	2.00	86.1	3.39	151.0	5.94		
N20F6124	1-1/4	1-1/2	60.3	2.37	71.8	2.83	136.7	5.38		
N24F6124	1-1/2	1-1/2	60.3	2.37	104.0	4.09	177.0	6.97		
N24F6132	1-1/2	2	71.2	2.80	71.9	2.83	144.9	5.70		
N32F6124	2	1-1/2	60.3	2.37	107.1	4.22	190.0	7.48		
NP32F6132-LT	2	2	71.42	2.81	92.5	3.64	190.3	7.49		

100R13, 100R15 & GH506

F62 - SAE Code 62 Flange Straight



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
N12F6212	3/4	3/4	41.3	1.63	71.9	2.83	124.4	4.90		
N12F6216	3/4	1	47.6	1.87	46.0	1.81	98.5	3.88		
N16F6212	1	3/4	41.3	1.63	89.5	3.52	143.5	5.65		
N16F6216	1	1	47.6	1.87	85.3	3.36	139.3	5.48		
N16F6220	1	1-1/4	54.0	2.13	54.3	2.14	108.7	4.28		
N20F6216	1-1/4	1	47.6	1.87	91.5	3.60	156.4	6.16		
N20F6220	1-1/4	1-1/4	54.0	2.13	92.8	3.65	158.1	6.22		
N20F6224	1-1/2	1-1/4	63.5	2.50	65.4	2.57	130.7	5.15		
N24F6224	1-1/2	1-1/2	63.5	2.50	116.0	4.57	190.0	7.48		
N24F6232	1-1/2	2	79.4	3.13	86.4	3.40	159.4	6.28		
N32F6232	2	2	79.4	3.13	136.5	5.37	219.4	8.64		

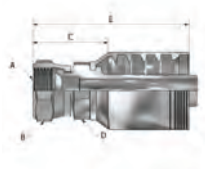
100R13, 100R15 & GH506

HJ - Hose Joiner

PART NUMBER	Products Description									
	Hose In-Dia	Nipple		Tail-Growth		Overall length				
		MM	Inch	MM	Inch	MM	Inch			
		A		C		E				
N24HJ24	1 1/2									
N32HJ32	2									

100R13, 100R15 & GH506

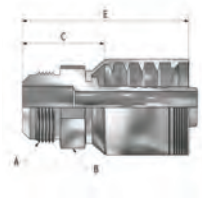
JF - JIC Female 37° Swivel Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12JF17	3/4	1-1/16-12	31.8	1.25	48.0	1.89	28.6	1.12	100.2	3.94
N12JF21	3/4	1-5/16-12	38.0	1.50	50.6	1.99	35.0	1.38	103.1	4.06
N16JF21	1	1-5/16-12	38.0	1.50	54.3	2.14	35.0	1.38	108.3	4.26
N20JF26	1-1/4	1-5/8-12	50.0	1.97	70.2	2.76	47.6	1.87	135.1	5.32
N24JF30	1-1/2	1-7/8-12	55.0	2.17	74.2	2.92	54.0	2.13	147.2	5.80
N32JF40	2	2-1/2-12	73.0	2.87	91.7	3.61	63.5	2.50	174.6	6.87

100R13, 100R15 & GH506

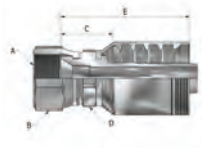
JM - JIC Male 37° Swivel Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		D			
N12JM21	3/4	1-5/16-12	35.0	1.38	50.4	1.98	102.6	4.04		

100R13, 100R15 & GH506

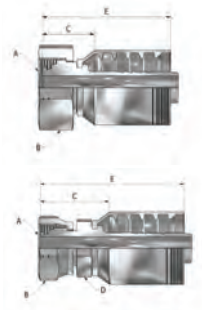
KF - Komatsu Female Swivel Straight 30° Flare JIS Metric



PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12KF30	3/4	M30*1.5P	36.0	1.42	35.4	1.39	32.0	1.26	87.6	3.45
N16KF33	1	M33*1.5P								

100R13, 100R15 & GH506

MF - O-Ring Metric Female Straight 24° Cone

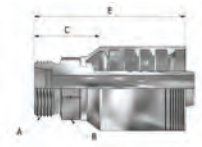


(L) = Light Series Metric
(S) = Heavy Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12MF02030B (S)	3/4	M30*2.0P	36.0	1.42	47.1	1.85	32.0	1.26	99.3	3.91
N12MF02230B (L)	3/4	M30*1.5P	36.0	1.42	44.8	1.76	32.0	1.26	97.4	3.83
N12MF02536B (S)	3/4	M36*2.0P	46.0	1.81	34.3	1.35		0.00	87.1	3.43
N16MF02536B (S)	1	M36*2.0P	46.0	1.81	52.7	2.07	35.0	1.38	107.9	4.25
N16MF03042B (S)	1	M42*2.0P	50.0	1.97	45.6	1.80		0.00	99.6	3.92
N20MF03042B (S)	1-1/4	M42*2.0P	50.0	1.97	62.9	2.48	46.0	1.81	127.8	5.03
N20MF03852B (S)	1-1/4	M52*2.0P	60.0	2.36	48.3	1.90			113.2	4.46
N24MF03852B (S)	1-1/2	M52*2.0P	60.0	2.36	67.2	2.65	50.0	1.97	140.2	5.52

100R13, 100R15 & GH506

MM - Metric Male Straight 24° Cone

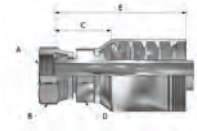


(S) = Heavy Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
N12MM2030B (S)	3/4	M30*2.0P	30.0	1.18	38.8	1.53	91.3	3.59		
N16MM3042B (S)	1	M42*2.0P								
N20MM3042B (S)	1-1/4	M42*2.0P	46.0	1.81	51.8	2.04	119.1	4.69		
N20MM3852B (S)	1-1/4	M52*2.0P	55.0	2.17	56.5	2.22	121.8	4.80		

100R13, 100R15 & GH506

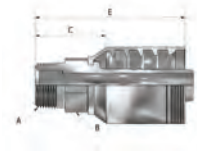
NF - NPT Female S/W Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread NPSM	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12NF12	3/4	3/4-14	32.0	1.26	38.1	1.50	30.0	1.18	90.6	3.57
N16NF16	1	1-11-1/2	41.0	1.61	44.5	1.75	35.0	1.38	98.9	3.89

100R13, 100R15 & GH506

NM - Taper Male NPT Straight



PART NUMBER	Products Description									
	Hose In-Dia	Thread NPTF	Nipple Hex		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
N12NM12	3/4	3/4-14	28.6	1.12	46.0	1.81	98.2	3.87		
N16NM16	1	1-11-1/2	35.0	1.38	54.4	2.14	108.4	4.27		
N20NM20	1-1/4	1-1/4-11-1/2	46.0	1.81	69.6	2.74	134.5	5.30		
N24NM24	1-1/2	1-1/2-11-1/2	50.8	2.00	67.0	2.64	140.0	5.51		
N32NM32	2	2-11-1/2	63.5	2.50	73.9	2.91	156.8	6.17		

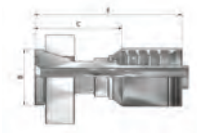
100R13, 100R15 & GH506

FO - Female O-Ring Face Seal Swivel Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12FO19	3/4	1-3/16-12	36.0	1.42	49.1	1.93	30.0	1.18	101.3	3.99
N12FO23	3/4	1-7/16-12	41.0	1.61	53.3	2.10	35.0	1.38	105.5	4.15
N16FO23	1	1-7/16-12	41.0	1.61	56.5	2.22	35.0	1.38	110.5	4.35
N20FO27	1-1/4	1-11/16-12	50.0	1.97	61.8	2.43	46.0	1.81	126.7	4.99
N24FO32	1-1/2	2-12	60.0	2.36	76.4	3.01	50.8	2.00	149.4	5.88

100R13, 100R15 & GH506

FT - Taper Flange Straight (For Heavy Duty Mining Equipment)

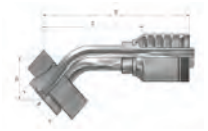


PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Overall Length			
			MM	Inch	MM	Inch	MM	Inch		
		A	B		C		E			
N16FT16	1	1	49.5	1.95	78.5	3.09	132.9	5.23		
N16FT20	1	1-1/4	57.5	2.26	69.0	2.72	123.0	4.84		
N20FT20	1-1/4	1-1/4	57.5	2.26	105.7	4.16	171.0	6.73		
N20FT24	1-1/4	1-1/2	68.5	2.70	90.7	3.57	156.0	6.14		
N24FT24	1-1/2	1-1/2	68.5	2.70	130.0	5.12	203.0	7.99		
N24FT32	1-1/2	2	83.5	3.29	115.0	4.53	188.0	7.40		
N32FT32	2	2	83.5	3.29	135.7	5.34	234.0	9.21		

15 Degree

100R13, 100R15 & GH506

FT - Taper Flange 15° Elbow (For Heavy Duty Mining Equipment)



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N24FT2415	1-1/2	1-1/2	68.5	2.70	217.0	8.54	24.0	0.94	290.0	11.4

22.5 Degree

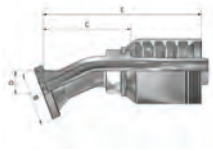
100R13, 100R15 & GH506

FC62 - CAT Flange 22.5° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N20FC622022.5	1-1/4	1-1/4	54.0	2.13	111.0	4.37	21.4	0.84	175.9	6.93
N24FC622422.5	1-1/2	1-1/2	63.5	2.50	137.3	5.41	27.6	1.09	210.3	8.28

100R13, 100R15 & GH506

F61 - SAE Code 61 Flange 22.5° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12F611222.2	3/4	3/4	38.1	1.50	67.2	2.65				
N12F611622.5	3/4	1	44.5	1.75	74.8	2.94	16.9	0.67	119.8	4.72
N16F611622.5	1	1	44.5	1.75	88.4	3.48	19.7	0.78	142.8	5.62
N16F612022.5	1	1-1/4	50.8	2.00	88.1	3.47	19.6	0.77	142.5	5.61
N20F612022.5	1-1/4	1-1/4	50.8	2.00	67.7	2.67				

30 Degree

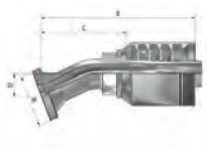
100R13, 100R15 & GH506

FC62 - CAT Flange 30° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N20FC622030	1-1/4	1-1/4	54.0	2.13	108.2	4.26	26.7	1.05	173.6	6.83
N24FC622430	1-1/2	1-1/2	63.5	2.50	134.3	5.29	34.6	1.36	207.3	8.16

100R13, 100R15 & GH506

F61 - SAE Code 61 Flange 30° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12F611230	3/4	3/4	38.1	1.50	67.2	2.65				
N12F611630	3/4	1	44.5	1.75	72.9	2.87	21.3	0.84	117.9	4.64
N16F611630	1	1	44.5	1.75	86.3	3.40	24.8	0.98	140.7	5.54
N16F612030	1	1-1/4	50.8	2.00	86.0	3.39	24.6	0.97	140.5	5.53
N20F612030	1-1/4	1-1/4	50.8	2.00	67.7	2.67				

100R13, 100R15 & GH506

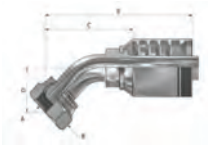
F62 - SAE Code 62 Flange 30° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N32F623230	2	2	79.4	3.13	163.7	6.44	39.1	1.54	246.6	9.71

45 Degree

100R13, 100R15 & GH506

BF - BSP Female Parallel Pipe Swivel 45° Elbow 60° Cone



PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12BF1245	3/4	3/4-14	36.0	1.42	76.2	3.00	35.4	1.39	128.4	5.06
N16BF1645	1	1-11	41.0	1.61	89.8	3.54	40.4	1.59	143.8	5.66
N20BF2045	1-1/4	1-1/4-11	50.0	1.97	124.6	4.91	55.5	2.19	189.4	7.46
N24BF2445	1-1/2	1-1/2-11	55.0	2.17	142.5	5.61	60.1	2.37	215.3	8.48
N32BF3245	2	2-11	70	2.76	173.7	6.84	68.8	2.71	256.6	10.10

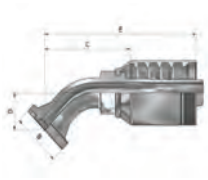
100R13, 100R15 & GH506

FC62 - CAT Flange 45° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12FC621245	3/4	3/4	41.3	1.63	72.0	2.83	31.6	1.24	124.6	4.91
N12FC621645	3/4	1	47.6	1.87	72.0	2.83	31.5	1.24	124.6	4.91
N16FC621645	1	1	47.6	1.87	84.2	3.31	35.3	1.39	138.6	5.46
N16FC622045	1	1-1/4	54.0	2.13	84.2	3.31	35.3	1.39	138.6	5.46
N20FC622045	1-1/4	1-1/4	54.0	2.13	109.4	4.31	40.8	1.61	174.7	6.88
N20FC622445	1-1/4	1-1/2	63.5	2.50	109.4	4.31	40.8	1.61	174.7	6.88
N24FC622445	1-1/2	1-1/2	63.5	2.50	127.5	5.02	45.2	1.78	200.5	7.89

100R13, 100R15 & GH506

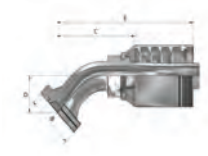
F61 - SAE Code 61 Flange 45° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12F611245	3/4	3/4	38.1	1.50	67.2	2.65	26.4	1.04	119.4	4.70
N12F611645	3/4	1	44.5	1.75	68.9	2.71	28.0	1.10	121.0	4.76
N16F611645	1	1	44.5	1.75	81.4	3.20	32.0	1.26	135.3	5.33
N16F612045	1	1-1/4	50.8	2.00	81.4	3.20	32.0	1.26	135.3	5.33
N20F612045	1-1/4	1-1/4	50.8	2.00	107.1	4.22	38.0	1.50	171.9	6.77
N24F612445	1-1/2	1-1/2	60.3	2.37	123.4	4.86	41.0	1.61	196.4	7.73

100R13, 100R15 & GH506

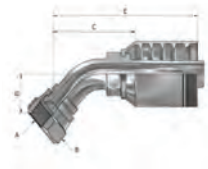
F62 - SAE Code 62 Flange 45° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12F621245	3/4	3/4	41.3	1.63	67.5	2.66	27.0	1.06	120.0	4.72
N12F621645	3/4	1	47.6	1.87	68.5	2.70	28.0	1.10	121.0	4.76
N16F621645	1	1	47.6	1.87	80.9	3.19	32.0	1.26	135.3	5.33
N16F622045	1	1-1/4	54.0	2.13	80.9	3.19	32.0	1.26	135.3	5.33
N20F622045	1-1/4	1-1/4	54.0	2.13	106.6	4.20	38.0	1.50	171.9	6.8
N20F622445	1-1/4	1-1/2	63.5	2.50	106.6	4.20	38.0	1.50	171.9	6.77
N24F622445	1-1/2	1-1/2	63.5	2.50	126.4	4.98	44.0	1.73	199.4	7.9
N32F623245	2	2	79.4	3.13	163.6	6.44	56.0	2.20	246.5	9.70

100R13, 100R15 & GH506

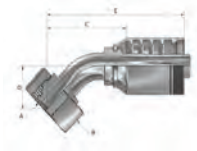
JF - JIC Female 37° Swivel 45° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12JF1745	3/4	1-1/16-12	31.8	1.25	67.9	2.67	27.0	1.06	120.0	4.72
N16JF2145	1	1-5/16-12	38.1	1.50	82.4	3.24	33.0	1.30	136.3	5.37
N20JF2645	1-1/4	1-5/8-12	50.0	1.97	114.1	4.49	45.0	1.77	178.9	7.04
N24JF3045	1-1/2	1-7/8-12	55.0	2.17	134.3	5.29	52.0	2.05	207.3	8.16

100R13, 100R15 & GH506

MF - O-Ring Metric Female 45° Elbow 24° Cone

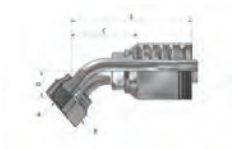


(S) = Heavy Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12MFO2030B45 (S)	3/4	M30*2.0P	36.0	1.42	73.1	2.88	32.3	1.27	125.3	4.93
N12MFO2536B45 (S)	3/4	M36*2.0P	46.0	1.81	70.1	2.76	34.0	1.34	122.9	4.84
N16MFO2536B45 (S)	1	M36*2.0P	46.0	1.81	85.4	3.36	33.0	1.30	139.3	5.48
N16MFO3042B45 (S)	1	M42*2.0P	50.0	1.97	96.2	3.79	37.0	1.46	150.2	5.91
N20MFO3852B45 (S)	1-1/4	M52*2.0P	60.0	2.36	119.1	4.69	50.0	1.97	183.9	7.24

100R13, 100R15 & GH506

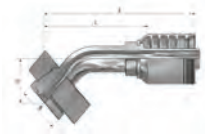
FO - Female O-Ring Face Seal Swivel 45° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12FO1945	3/4	1-3/16-12	36.0	1.42	62.0	2.44	21.1	0.83	114.1	4.49
N16FO2345	1	1-7/16-12	41.0	1.61	73.3	2.89	24.0	0.94	127.3	5.01
N20FO2745	1-1/4	1-11/16-12	50.0	1.97	111.1	4.37	42.0	1.65	175.9	6.93
N24FO3245	1-1/2	2-12	60.0	2.36	130.5	5.14	48.0	1.89	203.4	8.01

100R13, 100R15 & GH506

FT - Taper Flange 45° Elbow (For Heavy Duty Mining Equipment)

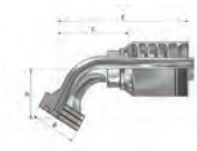


PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N16FT1645	1	1	49.5	1.95	124.6	4.91	50.0	1.97	179.0	7.05
N20FT2045	1-1/4	1-1/4	57.5	2.26	168.7	6.64	60.0	2.36	234.0	9.2
N20FT2445	1-1/4	1-1/2	68.5	2.70	178.7	7.04	60.0	2.36	244.0	9.6
N24FT2445	1-1/2	1-1/2	68.5	2.70	190.0	7.48	80.0	3.15	263.0	10.4
N24FT3245	1-1/2	2	83.5	3.29	206.0	8.11	95.0	3.74	279.0	10.98
N32FT3245	2	2	83.5	3.29	206.7	8.14	90.0	3.54	305.0	12.01

60 Degree

100R13, 100R15 & GH506

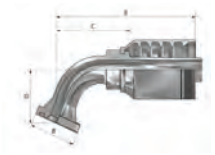
FC62 - CAT Flange 60° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N20FC622060	1-1/4	1-1/4	54.0	2.13	107.8	4.24	55.2	2.17	173.1	6.81
N24FC622460	1-1/2	1-1/2	63.5	2.50	127.0	5.00	61.8	2.43	200.0	7.87

100R13, 100R15 & GH506

F61 - SAE Code 61 Flange 60° Elbow

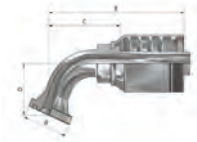


PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12F611260	3/4	3/4	38.1	1.50	67.2	2.65				
N12F611660	3/4	1	44.5	1.75	69.7	2.74	42.1	1.66	114.6	4.51
N16F611660	1	1	44.5	1.75	84.0	3.31				
N16F612060	1	1-1/4	50.8	2.00	88.9	3.50	58.6	2.31	143.4	5.65
N20F612060	1-1/4	1-1/4	50.8	2.00	67.7	2.67				

67.5 Degree

100R13, 100R15 & GH506

F61 - SAE Code 61 Flange 67.5° Elbow

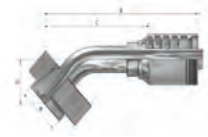


PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12F611267.5	3/4	3/4	38.1	1.50	67.2	2.65				
N12F611667.5	3/4	1	44.5	1.75	66.3	2.61	44.1	1.74	111.3	4.38
N16F611667.5	1	1	44.5	1.75	84.0	3.31	61.4	2.42	138.4	5.45
N16F612067.5	1	1-1/4	50.8	2.00	88.9	3.50				
N20F612067.5	1-1/4	1-1/4	50.8	2.00	67.7	2.67				

70 Degree

100R13, 100R15 & GH506

FT - Taper Flange 70° Elbow (For Heavy Duty Mining Equipment)

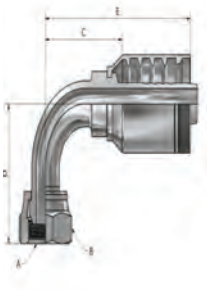


PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N20FT2070	1-1/4	1-1/4	57.5	2.26	179.7	7.07	96.0	3.78	245.0	9.6

90 Degree

100R13, 100R15 & GH506

BF - BSP Female Parallel Pipe Swivel 90° Elbow 60° Cone

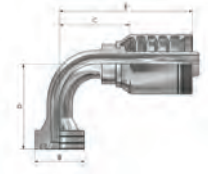


B = Block

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12BF1290-55MM	3/4	3/4-14	36.0	1.42	58.4	2.30	64.0	2.52	110.6	4.35
N12BF1290B-36MM	3/4	3/4-14	36.0	1.42	40.5	1.59	45.0	1.77	93.1	3.67
N16BF1690-73.5MM	1	1-11	41.0	1.61	74.6	2.94	84.0	3.31	128.6	5.06
N20BF2090-88.5MM	1-1/4	1-1/4-11	50.0	1.97	95.4	3.76	101.9	4.01	160.3	6.31
N24BF2490-110MM	1-1/2	1-1/2-11	55.0	2.17	114.6	4.51	120.0	4.72	187.4	7.38
N32BF3290-138MM	2	43041	70.0	2.76	151.7	5.97	152.9	6.02	234.6	9.24

100R13, 100R15 & GH506

FC62 - CAT Flange 90° Elbow

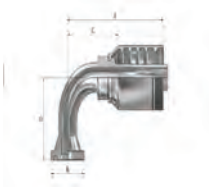


L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12FC621290-64.4MM	3/4	3/4	41.3	1.63	58.1	2.29	64.4	2.54	110.6	4.35
N12FC621690-62.7MM	3/4	1	47.6	1.87	58.1	2.29	62.7	2.47	110.6	4.35
N16FC621690-74.5MM	1	1	47.6	1.87	71.2	2.80	74.5	2.93	125.6	4.94
N16FC622090-74.5MM	1	1-1/4	54.0	2.13	71.2	2.80	74.5	2.93	125.6	4.94
N20FC622090-86.5MM	1-1/4	1-1/4	54.0	2.13	95.0	3.74	86.5	3.41	160.3	6.3
N20FC622490L-200MM	1-1/4	1-1/2	63.5	2.50	95.0	3.74	200.0	7.87	160.3	6.31
N24FC622490-104MM	1-1/2	1-1/2	63.5	2.50	114.6	4.51	104.0	4.09	187.6	7.4

100R13, 100R15 & GH506

F61 - SAE Code 61 Flange 90° Elbow

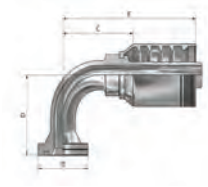


L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12F611290-58MM	3/4	3/4	38.1	1.50	58.4	2.30	58.0	2.28	110.6	4.35
N12F611290L-83MM	3/4	3/4	38.1	1.50	58.1	2.29	83.0	3.27	103.0	4.06
N12F611690-58MM	3/4	1	44.5	1.75	58.4	2.30	58.0	2.28	110.6	4.35
N16F611690-70MM	1	1	44.5	1.75	71.6	2.82	70.0	2.76	125.6	4.94
N16F611690L-117MM	1	1	44.5	1.75	96.6	3.80	117.0	4.61	150.6	5.93
N16F612090-70MM	1	1-1/4	50.8	2.00	71.6	2.82	70.0	2.76	125.6	4.94
N20F612090-82MM	1-1/4	1-1/4	50.8	2.00	95.4	3.76	82.0	3.23	160.3	6.31
N20F612090L-140MM	1-1/4	1-1/4	50.8	2.00	115.4	4.54	140.0	5.51	180.3	7.10
N24F612490-104MM	1-1/2	1-1/2	60.3	2.37	114.6	4.51	104.0	4.09	187.6	7.39
NP32F613290-125MM-LT	2	2	71.42	2.81	145.7	5.74	125	4.92	243.5	9.59

100R13, 100R15 & GH506

F62 - SAE Code 62 Flange 90° Elbow



L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12F621290-58MM	3/4	3/4	41.3	1.63	58.1	2.29	58.0	2.28	110.6	4.35
N12F621290L-77MM	3/4	3/4	41.3	1.63	58.1	2.29	77.0	3.03	110.6	4.35
N12F621690-58MM	3/4	1	47.6	1.87	58.1	2.29	58.0	2.28	110.6	4.35
N12F621690L-77MM	3/4	1	47.6	1.87	58.1	2.29	77.0	3.03	110.6	4.35
N16F621290-58MM	1	3/4	41.3	1.63	63.2	2.49	58.0	2.28	117.6	4.63
N16F621690-70MM	1	1	47.6	1.87	71.2	2.80	70.0	2.76	125.6	4.94
N16F621690L-117MM	1	1	47.6	1.87	71.2	2.80	117.0	4.61	125.6	4.94
N16F622090-70MM	1	1-1/4	54.0	2.13	71.2	2.80	70.1	2.76	125.6	4.94
N16F622090L-117MM	1	1-1/4	54.0	2.13	71.2	2.80	117.0	4.61	125.6	4.94
N20F621690-70MM	1-1/4						70	2.76		
N20F622090-82MM	1-1/4	1-1/4	54.0	2.13	95.0	3.74	82.0	3.23	160.3	6.31
N20F622090L-120MM	1-1/4	1-1/4	54.0	2.13	95.0	3.74	120.0	4.72	160.3	6.31
N20F622090L-200MM	1-1/4	1-1/4	54.0	2.13	95.0	3.74	200.0	7.87	160.3	6.31
N20F622490-82MM	1-1/4	1-1/2	63.5	2.50	95.4	3.76	82.0	3.23	160.3	6.31
N20F622490L-120MM	1-1/4	1-1/2	63.5	2.50	115.4	4.54	120.0	4.72	180.3	7.10
N24F622090-94MM	1-1/2	1-1/4	54.0	2.13	101.1	3.98	94.0	3.70	174.1	6.85
N24F622090L-200MM	1-1/2	1-1/4	54.0	2.13	101.1	3.98	200.0	7.87	174.1	6.85
N24F622490-104MM	1-1/2	1-1/2	63.5	2.50	114.6	4.51	104.0	4.09	187.6	7.39
N24F622490L-180MM	1-1/2	1-1/2	63.5	2.50	114.6	4.51	180.0	7.09	187.6	7.39
N24F623290-104MM	1-1/2	2	79.4	3.13	116.1	4.57	104.0	4.09	189.1	7.44
N32F623290-124MM	2	2	79.4	3.13	154.5	6.08	124.0	4.88	237.4	9.35
N32F623290L-159MM	2	2	79.4	3.13	154.5	6.08	159.0	6.26	237.4	9.35

100R13, 100R15 & GH506

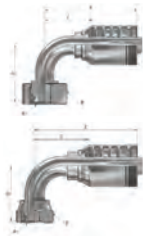
JF - JIC Female 37° Swivel 90° Elbow

L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12JF1790-62MM	3/4	1-1/16-12	31.8	1.25	58.4	2.30	62.0	2.44	110.6	4.35
N16JF2190-74MM	1	1-5/16-12	38.1	1.50	71.6	2.82	74.0	2.91	125.6	4.94
N20JF2690-85MM	1-1/4	1-5/8-12	50.0	1.97	95.4	3.76	85.0	3.35	160.3	6.31
N20JF2690L-130MM	1-1/4	1-5/8-12	50.0	1.97	115.0	4.53	130.0	5.12	180.3	7.10
N24JF3090-110MM	1-1/2	1-7/8-12	55.0	2.17	114.5	4.51	110.0	4.33	187.5	7.38
N32JF4090-136MM	2	2-1/2-12	73.0	2.87	151.7	5.97	136.0	5.35	234.6	9.24

100R13, 100R15 & GH506

MF - O-Ring Metric Female 90° Elbow 24° Cone

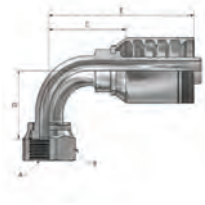


(S) = Heavy Series Metric

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12MF02030B90-60.6MM (S)	3/4	M30*2.0P	36.0	1.42	57.8	2.28	60.6	2.39	110.6	4.35
N12MF02536B90-65MM (S)	3/4	M36*2.0P	46.0	1.81	53.7	2.11	65.0	2.56	106.5	4.19
N16MF02536B90-70MM (S)	1	M36*2.0P	46.0	1.81	74.6	2.94	70.0	2.76	128.6	5.06
N16MF03042B90-75MM (S)	1	M42*2.0P	50.0	1.97	69.6	2.74	75.0	2.95	123.6	4.87
N20MF03852B90-100MM (S)	1-1/4	M52*2.0P	60.0	2.36	95.4	3.76	100.0	3.94	160.3	6.31

100R13, 100R15 & GH506

FO - Female O-Ring Face Seal Swivel 90° Elbow

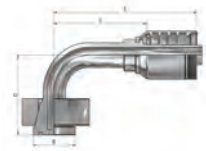


L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12FO1990-48MM	3/4	1-3/16-12	36.0	1.42	58.4	2.30	48.0	1.89	110.6	4.35
N12FO1990L-96MM	3/4	1-3/16-12	36.0	1.42	58.4	2.30	96.0	3.78	110.6	4.35
N16FO2390-56MM	1	1-7/16-12	41.0	1.61	70.6	2.78	56.0	2.20	124.6	4.91
N16FO2390L-114MM	1	1-7/16-12	41.0	1.61	71.2	2.80	114.0	4.49	125.6	4.94
N20FO2790-82MM	1-1/4	1-11/16-12	50.0	1.97	95.4	3.76	82.0	3.23	160.3	6.31
N20FO2790L-129MM	1-1/4	1-11/16-12	50.0	1.97	115.4	4.54	129.0	5.08	180.3	7.10
N24FO3290-101MM	1-1/2	43071	60.0	2.36	114.8	4.52	101.0	3.98	187.6	7.39

100R13, 100R15 & GH506

FT - Taper Flange 90° Elbow (For Heavy Duty Mining Equipment)



L = Long Drop

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N16FT1690-90MM	1	1	49.5	1.95	99.6	3.92	90.0	3.54	158.0	6.22
N16FT2090-100MM	1	1-1/4	57.5	2.26	99.6	3.92	100.0	3.94	158.0	6.22
N20FT2090-120MM	1-1/4	1-1/4	57.5	2.26	135.7	5.34	120.0	4.72	207.0	8.1
N20FT2090L-160MM	1-1/4	1-1/4	57.5	2.26	135.7	5.34	160.0	6.30	207.0	8.1
N20FT2490-120MM	1-1/4	1-1/2	68.5	2.70	135.7	5.34	120.0	4.72	207.0	8.1
N24FT2490-140MM	1-1/2	1-1/2	68.5	2.70	155.0	6.10	140.0	5.51	234.0	9.2
N24FT3290-160MM	1-1/2	2	83.5	3.29	155.0	6.10	160.0	6.30	234.0	9.21
N32FT3290-150MM	2	2	83.5	3.29	169.7	6.68	150.0	5.91	274.0	10.79

105 Degree

100R13, 100R15 & GH506

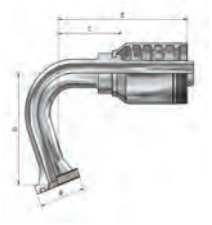
FT - Taper Flange 105° Elbow (For Heavy Duty Mining Equipment)

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N24FT24105	1-1/2	1-1/2	68.5	2.70	155.0	6.10	140.0	5.51	234.0	9.2

110 Degree

100R13, 100R15 & GH506

F61 - SAE Code 61 Flange 110° Elbow



PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N12F6112110	3/4	3/4	38.1	1.50	56.7	2.23	84.0	3.31	108.9	4.29
N12F6116110	3/4	1	44.5	1.75	56.7	2.23	84.0	3.31	108.9	4.29
N16F6116110	1	1	44.5	1.75	63.7	2.51	94.0	3.70	117.7	4.63
N16F6120110	1	1-1/4	50.8	2.00	67.7	2.67	94.0	3.70	121.7	4.79
N20F6120110	1-1/4	1-1/4	50.8	2.00	67.7	2.67				

100R13, 100R15 & GH506

F62 - SAE Code 62 Flange 110° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Flange Size	Flange Dia		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
N20F6220110	1-1/4	1-1/4	54.0	2.13	76.4	3.01	104.0	4.09	141.7	5.58

C Series Hose Tails to suit 100R14

Straight

100R14

JF - JIC Female 37° Swivel Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
C03JF07	3/16	7/16-20								
C04JF07	1/4	7/16-20								

Continued on following page...

100R14

JF - JIC Female 37° Swivel Straight *Continued...*

C04JF09	1/4	9/16-18
C06JF09	3/8	9/16-18
C06JF12	3/8	3/4-16
C08JF12	1/2	3/4-16
C08JF14	1/2	7/8-14
C10JF14	5/8	7/8-14
C10JF17	5/8	1-1/16-12
C12JF17	3/4	1-1/16-12
C16JF21	1	1-5/16-12

100R14

SF - SAE Female Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
C06SF10	3/8	5/8-18								
C10SF17	5/8	1-1/16-14								
C12SF17	3/4	1-1/16-14								

100R14

JF - JIC Female 37° Swivel 45° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
C06JF1245	3/8	3/4-16								

90 Degree

100R14

JF - JIC Female 37° Swivel 90° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Thread UNF	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
C04JF0790-21MM	1/4	7/16-20								
C04JF0990-22MM	1/4									
C06JF0990-26MM	3/8	9/16-18								
C06JF1290-28MM	3/8	3/4-16								
C08JF1290-31MM	1/2	3/4-16								
C12JF1790-53MM	3/4	1-1/16-12								

Hose Tails to suit Aquawash

Straight

Aquawash

KA - Karcher Pressure Wash Straight - Two Piece

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
G04KA22	1/4	M22*1.5P								
G05KA22	3/8	M22*1.5P								
G06KA22	3/8	M22*1.5P								

Aquawash

KA - Karcher Pressure Wash Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread METRIC	Nut Hex		Tail-Growth		Nipple Hex		Overall length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
K04KA22	1/4	M22*1.5P								
K05KA22	3/8	M22*1.5P								
K06KA22	3/8	M22*1.5P								

GH Series Hose Tails to suit Grease Hose

Straight

Greae Hose

BM- BSP Male Taper Pipe Straight 60° Cone

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
GH02BM02	1/8	1/8-28								

Greae Hose

JF - JIC Female 37° Swivel Straight

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
GH02JF07	1/8	7/16-20								

Greae Hose

Grease Shell

GH02SHELL

Greae Hose

SPM - Stand Pipe Male Straight

PART NUMBER	Products Description									
	Hose In-Dia	SP OD	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
GH02SP06	1/8	6MM								
GH02SP08	1/8	8MM								

45 Degree

Greae Hose

SPM - Stand Pipe Male 45°

PART NUMBER	Products Description									
	Hose In-Dia	SP OD	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
GH02SP0645	1/8	6MM								

90 Degree

Greae Hose

JF - JIC Female 37° Swivel 90° Elbow

PART NUMBER	Products Description									
	Hose In-Dia	Thread PF	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
GH02JF0790-21MM	1/8	7/16-20								

Greae Hose

SPM - Stand Pipe Male 90°

PART NUMBER	Products Description									
	Hose In-Dia	SP OD	Nut Hex		Tail-Growth		Drop		Overall Length	
			MM	Inch	MM	Inch	MM	Inch	MM	Inch
		A	B		C		D		E	
GH02SP0690-37MM	1/8	6MM								

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SECTION 3
ADAPTORS

ADAPTOR IDENTIFICATION KEY

SAMPLE				
Q	**TE**	**KLL**	**09**	**45**
	Adaptor Type	Thread Style	Thread Size	Angle *(If Required)*

Notes: Each thread will have a code letter (refer following). If all of the threads are the same style, only one letter is required (E.G: QEBEE0604 can be shortened to QEBE0604). Thread should be in alphabetical order regardless of thread size (E.G: QAAB0402 not QABA0204). The thread size is in 1/16" increments ie 1 1/16 is 17, metric sizing is as per L (DIN light) or S (DIN heavy) ie L10 or S10. As with the thread style letters, you may shorten where all of the threads are the same size. Do not shorten letters for tees where only two of the three threads are similar as this will cause confusion (E.G: QTEEEE020202 can be shortened to QTEE02 but QTEKLL070909 should be shown as such).

Distributor Indicator (1st letter) Q = Taipan

Adaptor Type (2nd Letter Group)	
A	Straight Adaptor
B	Bulkhead Fitting
C	Cap
CR	Cross
EB	Elbow Block (Short)
EBB	Bulkhead 90 Deg
EL	Elbow Tube (Long)
ET	Elbow Tube
FB	Flange Blank
LEB	Long Drop Elbow Block
NE	Extended Nipple
NI	Nipple
NU	Nut
P	Plug
R	Reducer
S	Socket
TE	Tee
WF	Weld On - Female
WM	Weld On - Male

Tube Fitting Type (2nd Letter Group)	
TI	Tube Fittings Imperial
TM	Tube Fittings Metric

Compression/Flare Fittings (3rd Letter Group)	
A	Straight Compression
A1	Elbow M
A2	Elbow M/F (S/W)
A3	Run Tee M/F/M (S/W)
A4	Branch Tee M/M/F (S/W)
A5	Cross
A6	Cap Insert (used with A7)
A7	Nut Metric
A8	Male Tube Blank
A9K	Flare Nut
A10K	Flare Sleeve (K-JIC or M-Metric)
A11	Cutting Ring
A12	Compression Tee
A13	Flareless Sleeve
A14	Flareless Nut
A15	Bulkhead
A16	Metric Female (S/W)

Tube size always comes first and may be L (Light DIN or S (Heavy DIN) as per original manufacturers part number.

Thread Style (3rd/4th Letter Group)	
A	BSPP Female
B	BSPT Female
C	BSP Flat Face
D	BSPP Male
E	BSPT Male
F	Code 61
G	Code 62
H	Imperial BSPP Female (Mitsubishi)
J	Imperial BSPP Male (Mitsubishi)
K	JIC Female
L	JIC Male
M	JIS Metric Female (Komatsu)
N	JIS Metric Male (Komatsu)
P	UN Oring Male (SAE Oring)
PF	UN Oring Female (SAE Oring)
Q	Metric Female
R	Metric Male
S	Solid Female
SF	SAE Female
SM	SAE Male
SP	Stand Pipe
T	NPT Female
U	NPT Male
V	ORFS Female
W	ORFS Male
X	Low Pressure

Flange Block Key	
BF1A-O	Code 61 to Imperial Pipe
BF1FB-UNC	Code 61 to Imperial Pipe
BF2FA-O	Code 61 to Tube
BF2FB-UNC	Code 61 to Tube
BF1GA-O	Code 62 to Imperial Pipe
BF1GB-UNC	Code 62 to Imperial Pipe
BF1GA-O	Code 62 to Tube
BF2GB-UNC	Code 62 to Tube
BF3FA-O	Code 61 to BSPP Female
BF3FB-UNC	Code 61 to BSPP Female
BF3GA-O	Code 62 to BSPP Female
BF3GA-UNC	Code 62 to BSPP Female
BF4AF	Side Port Adaptor Code 61 X BSPP
BF4AG	Side Port Adaptor Code 62 X BSPP
BF5AF	Adaptor Plate Code 61 X BSPP

Straight

Banjo x JIC

QABJL | Page 117

BSP Banjo x JIC

QALMBJ | Page 117

Metric Banjo x JIC

Bulkhead

QBD | Page 117

BSPP M Bulkhead

QBDL | Page 118

BSPP M X JIC M Bulkhead

QBL | Page 118

JIC M Bulkhead

QBLTS | Page 118

JIC M Bulkhead x NPT F

QBW | Page 118

ORFS M Bulkhead

Bulkhead Nut

QNUA | Page 119

BSPP F Nut

QNUK | Page 119

JIC F Nut

QNUV | Page 119

ORFS Nut

Flange

QADF | Page 120

BSPP M x Code 61

QAFL | Page 120

Code 61 x JIC M

QAGL | Page 120

Code 62 x JIC M

QAGW | Page 121

Code 62 x ORFS M

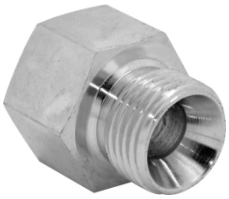
MORE PRODUCTS COMING SOON

Male/Female Solid

QAASD | Page 121

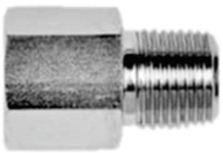
BSPP F Solid x BSPP M

QADKS | Page 121



BSPP M x JIC F

QABSE | Page 121



BSPT F x BSPT M

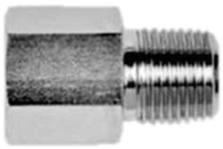
QABSL | Page 122

BSPT F x JIC M

QABSP | Page 122

BSPT F x UNO M

QAETS | Page 122



BSPT M x NPT F Solid

QAEPF | Page 123

BSPT M x UNO F

QAKL | Page 123

JIC F x JIC M

QALTS | Page 124

JIC M x NPT F

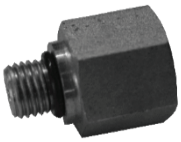
QAQSJ | Page 124

Metric F x JIS (BSP) M

QATSU | Page 124

NPT F x NPT M

QAPFSP | Page 124



UNOF X UNO M

Female Swivel x Female Solid

QAABS | Page 125

BSPP F S/W x BSPT F

QAKTS | Page 125

JIC F X NPT F

Male/Female Swivel

QAAD | Page 125

BSPP F S/W x BSPP M

QAAE | Page 126

BSPP F S/W x BSPT M

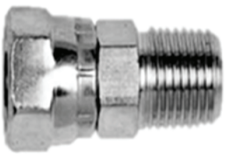
QAAP | Page 126

BSPP F S/W x UNO M

QADK | Page 126

BSPP M x JIC F S/W

QAEK | Page 127



BSPT M x JIC F S/W

QAEV | Page 127

BSPT M x ORFS F S/W

QAKL | Page 128

JIC F x JIC M

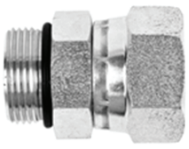
QAKU | Page 128

JIC F S/W x NPT M

QAKW | Page 128

JIC F S /W x ORFS M

QAKP | Page 129



JIC F S/W x UNO M

QALV | Page 129

JIC M x ORFS F S/W

QATU | Page 129

NPT F S/W x NPT M

Nipple

QNID | Page 130

BSPP M x BSPP M

QNIDE | Page 130

BSPP M x BSPT M

QNIDL | Page 131

BSPP M x JIC M

QNEDL | Page 132

BSPP M x JIC M Extended

QNIDU | Page 132

BSPP M x NPT M

QNIDW | Page 133

BSPP M x ORFS M

QNIE | Page 133

BSPT M

QNIEL | Page 134

BSPT M x JIC M

QNIEN | Page 135

BSPT M x JIS M (Metric Komatsu)

QNIER | Page 136

BSPT M x Metric M

QNIEU | Page 136

BSPT M x NPT M

QNIEW | Page 136

BSPT M x ORFS M

QNIESM | Page 136

BSPT M x SAE M

QNIEP | Page 137

BSPT M x UNO M

QNIL | Page 137

JIC M x JIC M

QNILR | Page 138

JIC M x Metric M

QNILU | Page 139

JIC M x NPT M

QNILW | Page 140

JIC M x ORFS

QNILP | Page 140

JIC M x UNO M

QNELP | Page 141

JIC M x UNO M Extended

QNIRW | Page 141

Metric M x ORFS M

QNIU | Page 142

NPT M x NPT M

QNIW | Page 142

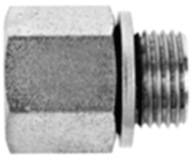
ORFS M x ORFS M

QNISMU | Page 143

SAE M x NPT M

QNISM | Page 143

SAE M x SAE M

QNIPW | Page 143	**Reducing Bush**	**QRASD** | Page 144	**QRBE** | Page 144	**QRKL** | Page 145
				
UNO M x ORFS M		BSPP F x BSPP M	BSPT F x BSPT M	JIC F x JIC M
QRTU | Page 145	**QRVW** | Page 146	**Socket**	**QSA** | Page 147	**QSB** | Page 147
NPT F x NPT M	ORFS F x ORFS M		BSPP F	BSPT F
QST | Page 148	**QSPF** | Page 148	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON
NPT F	UNO F			
45 Degree Elbows	**Elbow Block**	**QEBAE** | Page 148	**QEBDE** | Page 149	**QEBDL** | Page 149
		BSPP F S/W x BSPT M	BSPP M x BSPT M	BSPP M x JIC M
QEBBS | Page 149	**QEBBSE** | Page 150	**QEBE** | Page 150	**QEBEL** | Page 150	**QEBEP** | Page 151
BSPT F x BSPT F	BSPT F x BSPT M	BSPT M x BSPT M	BSPT M x JIC M	BSPT M x UNO M

QEBKL | Page 151

JIC F S/W x JIC M

QEBKP | Page 151

JIC F x UNO M

QEBLU | Page 151

JIC M x NPT M

QEBLP | Page 152

JIC M x UNO M

QEBTS | Page 152

NPT F x NPT F

QEBTSU | Page 152

NPT F x NPT M

QEBU | Page 153

NPT M x NPT M

QEBVW | Page 153

ORFS F x ORFS M

QEBPW | Page 153

UNO M x ORFS M

Elbow Tube

QETFL | Page 153

Code 61 x JIC M

QETGL | Page 154

Code 62 x JIC M

QETGW | Page 154

Code 62 x ORFS M

QETKL | Page 154

JIC F x JIC M

MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

90 Degree Elbows

Bulkhead

QEBBLL | Page 155

JIC M Bulkhead x JIC M

Elbow Block

QEBAE | Page 155

BSPP F S/W x BSPT M

QEBDE | Page 155

BSPP M x BSPT M

QEBDL | Page 156

BSPP M x JIC M

QEBDW | Page 157

BSPP M x ORFS M

QEBBS | Page 157

BSPT F x BSPT F

QEBBSE | Page 157

BSPT F x BSPT M (Cone)

QEBE | Page 158

BSPT M

QEBEK | Page 158

BSPT M x JIC F S/W

QEBEL | Page 158

BSPT M x JIC M

QEBEP | Page 159

BSPT M x UNO M

QEBKL | Page 160

JIC F S/W x JIC M

QEBKP | Page 160

JIC F S/W x UNO M

QEBL | Page 160

JIC M x JIC M

QEBLR | Page 161

JIC M x Metric M

QEBLU | Page 161

JIC M x NPT M

QEBLP | Page 162

JIC M x UNO M

QEBMN | Page 163

JIS M x JIS F S/W (Metric Komatsu)

QEBTS | Page 163

NPT F x NPT F

QEBTSU | Page 163

NPT F x NPT M

QEBTU | Page 163

NPT F S/W x NPT M

QEBU | Page 164

NPT M x NPT M

QEBVW | Page 164

ORFS F S/W x ORFS M

QEBW | Page 164

ORFS M x ORFS M

QEBSFSM | Page 164

SAE F S/W x SAE M

QEBPW | Page 165

UNO M x ORFS M

Elbow Block Long Drop

QLEBLU | Page 165

JIC M x NPT M Extended

QLEBLP | Page 165

JIC M x UNO M Extended

Elbow Tube

QETFL | Page 166

Code 61 x JIC M

QETGL | Page 166

Code 62 x JIC M

QETGW | Page 166

Code 62 x ORFS M

QETKL | Page 167

JIC F x JIC M

MORE PRODUCTS COMING SOON

Elbow Tube Long

QELFL | Page 167

Code 61 x JIC M

QELGL | Page 167

Code 62 x JIC M

QELKL | Page 167

JIC F S/W x JIC M

MORE PRODUCTS COMING SOON

Banjo Bolts

BANJO B-BSP Page 168

BSPP M

BANJO B-M | Page 168

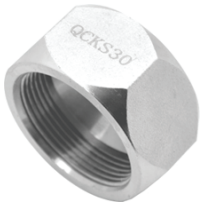
Metric M

Caps

QCA | Page 168

BSPP F S/W

QCKS | Page 169



JIC F Solid

QCK | Page 169

JIC F S/W

QCH | Page 169

JIS BSPP F (Mitsubishi)

QCM | Page 170

JIS F (Metric Komatsu)

QCV | Page 170

ORFS F

Cross

QCRBS | Page 170

BSPT F

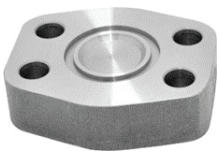
QCRL | Page 170

JIC M

Flange Block / Side Port

Code 61

QFBF-B-O | Page 171



Code 61 Flange Blanking Plate - with O-Ring

QFBF-B-UNC | Page 171

Code 61 Flange Blanking Plate UNC

BF3FA-O | Page 171

Code 61 Block x BSPP F O-Ring

BF3FB-UNC | Page 172

Code 61 Block x BSPP F UNC

BF7FL-O | Page 172

Code 61 Block x JIC M with O-Ring

BF1FA-O | Page 172

Code 61 - Imperial Pipe O-Ring

BF1FB-UNC | Page 172

Code 61 - Imperial Pipe UNC

BF2FA-O | Page 173

Code 61 - Imperial Tube O-Ring

BF2FB-UNC | Page 173

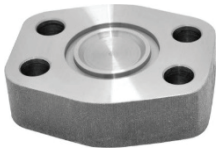
Code 61 - Imperial Tube UNC

BF4AF | Page 173

Code 61 x BSPP F Side Port with O-Ring

Code 62

QFBG-B-O | Page 173



Code 62 Flange Blanking Plate with O-Ring

QFBG-B-UNC | Page 174

Code 62 Flange Blanking Plate UNC

BF3GA-O | Page 174

Code 62 Block x BSPP F O-Ring

BF3GB-UNC | Page 174

Code 62 Block x BSPP F UNC

BF7GL-O | Page 174

Code 62 Block x JIC M O'Ring

Flange Clamps

Bolt Set Code 61

QFCF-BOLT-METRIC
Page 175

Code 61 Bolt Set Metric

QFCF-BOLT-UNC
Page 175

Code 61 Bolt Set Imperial

Bolt Set Code 62

QFCG-BOLT-METRIC
Page 175

Code 62 Bolt Set Metric

QFCG-BOLT-UNC
Page 175

Code 62 Bolt Set Imperial

Clamps Including Bolts

QFCF-UNC
Page 176

Code 61 Flange Clamp Set UNC

QFCG-METRIC
Page 176

Code 62 Flange Clamps Set Metric

Clamps Only

QFCG-CAT-UNC
Page 176

CAT Flange Clamps

QFCF | Page 176

Code 61 Flange Clamps

QFCG | Page 177

Code 62 Flange Clamps

MORE PRODUCTS COMING SOON

Plugs

QPD | Page 177

BSPP M

QPD-A | Page 177

BSPP M (Allen Head)

QPE | Page 178

BSPT M

QPE-CS | Page 178

BSPT M (Counter Sunk)

QFBF | Page 178

Code 61 Blanking Plug

QFBG | Page 178

Code 62 Blanking Plug

QPL | Page 179

JIC M

QPJ | Page 179

JIS (BSP Imperial Mitsubishi)

QPN | Page 179

JIS M (Metric Komatsu)

QPR | Page 180

Metric M Port Plug

QPU | Page 180

NPT M

QPU-CS | Page 180

NPT M (Counter Sunk)

QPW | Page 181

ORFS M

QPP-A | Page 181

UNO M (Allen Head)

QPP | Page 181

UNO M

Tee Piece

Branch Tee

QTEEEA | Page 182

BSPT M x BSPT M x BSPP F

QTELLD | Page 182

JIC M x JIC M x BSPP M

QTELLE | Page 182

JIC M x JIC M x BSPT M

QTELLK | Page 183

JIC M x JIC M x JIC F

QTELLBL | Page 183

JIC M x JIC M x JIC Bulkhead M

QTELLU | Page 183

JIC M x JIC M x NPT M

QTELLP | Page 183

JIC M x JIC M x UNO M

QTETSTSU | Page 184

NPT F x NPT F x NPT M

QTEUUTS | Page 184

NPT M x NPT M x NPT F

QTEWWV | Page 184

ORFS M x ORFS M x ORFS F

Equal Female

QTEAS | Page 184

BSPP F

QTEBS | Page 185

BSPT F

QTETS | Page 185

NPT Taper F

Equal Male

QTEE | Page 185

BSPT M

QTEL | Page 186

JIC M

QTEU | Page 186

NPT M

QTEW | Page 186

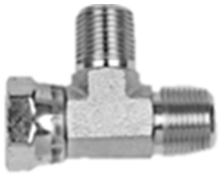
ORFS M

Run Tee

QTEASDD | Page 187

BSPP F x BSPP M x BSPP M

QTEAEE | Page 187



BSPP F S/W x BSPT M x BSPT M

QTEDEE | Page 187

BSPP M x BSPT M x BSPT M

QTEDLL | Page 187

BSPP M x JIC M x JIC M

QTEBSEBS | Page 188

BSPT F x BSPT M x BSPT F

QTEELL | Page 188

BSPT M x JIC M x JIC M

QTEKLL | Page 188

JIC F S/W x JIC M x JIC M

QTEBLLL | Page 189

JIC M Bulkhead x JIC M x JICM

QTELPL | Page 189

JIC M x UNO M x JIC M

QTELUL | Page 189

JIC M x NPT M x JIC M

QTEMNN | Page 189

JIS S/W (Komatsu) x JIS M x JIS M

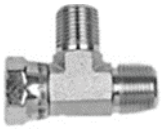
QTETSUTS | Page 190

NPT F x NPT M x NPT F

QTETUTS | Page 190

NPT F S/W x NPT M x NPT F

QTETUU | Page 190



NPT F S/W x NPT M x NPT M

QTEVWW | Page 190

ORFS F x ORFS M x ORFS M

Test Port Adaptor

QTEADPFS | Page 190

BSPP F x BSPP M x UNO F

QTEKLPFS | Page 191

JIC F S/W x JIC M x UNO F

QTEVWPFS | Page 191

ORFS F x ORFS M x UNO F

Tube Fittings Metric

90 Degree Elbow M/F Swivel

QTMA2 | Page 191

Metric F S/W x Metric Tube M

90 Degree Elbow M/M

QTMA1D | Page 192

Metric Tube x BSPP M Elbow

QTMA1E | Page 192

Metric Tube x BSPT M Elbow

QTMA1 | Page 193

Metric Tube M x Metric Tube M

QTMA1P | Page 194

Metric Tube x UNO Elbow

QTMA1R | Page 194

Metric Tube x Metric Taper M

Blanking Plug

QTMA8 | Page 195

Metric Tube Blanking Plug

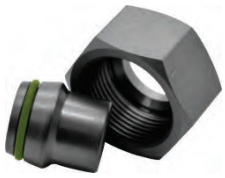
Bulkhead

QTMA15 | Page 195

Metric Bulkhead

Blanking Plug

QTMA6 | Page 196



Metric Tube Blanking Plug

Cutting Ring

QTMA11 | Page 197

Metric Cutting Ring

QTMA11-SS | Page 197

Metric Cutting Ring Stainless Steel

MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

Straight

QTMA | Page 198

Metric Tube Joiner

QTMAAS | Page 199

Metric Tube x BSPP F

QTMAD | Page 200

Metric Tube x BSPP M

QTMAE | Page 201

Metric Tube x BSPT M

QTMAL | Page 201

Metric Tube x JIC M

QTMAR | Page 202

Metric Tube x Metric Taper M

QTMAU | Page 202

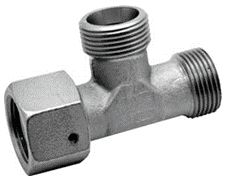
Metric Tube x NPT M

QTMAP | Page 202

Metric Tube x UNO M

Tee

QTMA3 | Page 203



Metric Tube F S/W x Metric Tube M

QTMA4 | Page 204

Metric Tube M x Metric Tube M x Metric Tube F S/W

QTMA12 | Page 204

Metric Tube Tee Piece

Tube Nut

QTMA7 | Page 205

Metric Tube Nut

Tube Fittings Imperial

Straight

QTIAL | Page 206

JIC M x Imperial Compression

QTIA | Page 206		**QTIA11** | Page 206		**QTIA9K** | Page 206
	Cutting Ring		**Flare Nut & Sleeve**	
Tube Joiners - Imperial Compression		Imperial Tub Cutting Ring		JIC Tube Nut
QTIA9/10-K-SS Page 207	**QTIA10K** | Page 207			
		MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON
JIC Tube Nut & Sleeve SS	JIC Tube Sleeve			
Weld On	**Weld On Female**	**QWFA** | Page 208	**QWFK** | Page 208	**QWFPF** | Page 209
		BSPP	JIC F S/W	UNO F
Weld On Male	**QWME** | Page 209	**QWMF** | Page 209	**QWMG** | Page 210	**QWML** | Page 210
	BSPT M	Code 61	Code 62	JIC M
Stainless Steel	**SSBN** | Page 211	**SSE** | Page 211	**SSEMF 45°** | Page 211	**SSEMF 90°** | Page 211
	BSPP M Pipe	BSPP F Elbow	BSPP M x BSPP F Elbow	BSPP M x BSPP F Elbow

SSHN | Page 211	**SSHP** | Page 212	**SSMS** | Page 212	**SSRB** | Page 212	**SST** | Page 212
BSPP Nipple	BSPT Plug	BSPP Socket	BSPP Reducing Bush	BSPP F Tee
MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON	MORE PRODUCTS COMING SOON

Adaptors Straight

Banjo x JIC

Straight

BSP Banjo x JIC Adaptor

Part Number	BSP Banjo	JIC M	
QABJL0407	1/4	7/16	
QABJL0409	1/4	9/16	
QABJL0609	3/8	9/16	
QABJL0612	3/8	3/4	
QABJL0812	1/2	3/4	

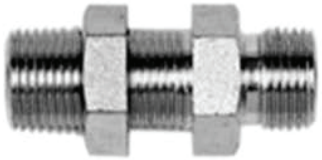
Straight

Metric Banjo x JIC Adaptor

Part Number	JIC M	METRIC BANJO	
QALMBJ0710	7/16	10MM	
QALMBJ0712	7/16	12MM	
QALMBJ0714	7/16	14MM	
QALMBJ0716	7/16	16MM	
QALMBJ0718	7/16	18MM	
QALMBJ0912	9/16	12MM	
QALMBJ0914	9/16	14MM	
QALMBJ0916	9/16	16MM	
QALMBJ0918	9/16	18MM	
QALMBJ0920	9/16	20MM	
QALMBJ0922	9/16	22MM	
QALMBJ1222	3/4	22MM	

Bulkhead

Straight



BSP Parallel Male Bulkhead

Part Number	BSPP M	BSPP M B/H	
QBD04	1/4	1/4	
QBD06	3/8	3/8	
QBD08	1/2	1/2	
QBD12	3/4	3/4	
QBD16	1	1	
QBD20	1 1/4	1 1/4	
QBD24	1 1/2	1 1/2	
QBD32	2	2	

Straight

BSPP-M x JICM Bulkhead

Part Number	BSPP M	JIC M B/H	
QBDL0812	1/2	3/4	
QBDL0814	1/2	7/8	

Straight

JIC Male Bulkhead

Part Number	JIC M	JIC M B/H	
QBL07	7/16	7/16	
QBL09	9/16	9/16	
QBL12	3/4	3/4	
QBL14	7/8	7/8	
QBL17	1 1/16	1 1/16	
QBL21	1 5/16	1 5/16	
QBL26	1 5/8	1 5/8	
QBL30	1 7/8	1 7/8	
QBL40	2 1/2	2 1/2	

Straight

JIC Male Bulkhead x NPT Female Solid

Part Number	JIC M B/H	NPT F Solid	
QBLTS0702	7/16	1/8	
QBLTS0704	7/16	1/4	

Straight

ORFS Male Bulkhead

Part Number	ORFS M	ORFS M B/H	
QBW09	9/16	9/16	
QBW11	11/16	11/16	
QBW13	13/16	13/16	
QBW16	1	1	
QBW19	1 3/16	1 3/16	
QBW23	1 7/16	1 7/16	
QBW27	1 11/16	1 11/16	

Bulkhead Nut

Straight

BSPP Bulk Head Nut

Part Number	BSPP F		
QNUA04	1/4		
QNUA06	3/8		
QNUA08	1/2		

Straight

JIC Bulk Head Nut

Part Number	UNF		
QNUK07	7/16		
QNUK09	9/16		
QNUK12	3/4		
QNUK14	7/8		
QNUK17	1 1/16		
QNUK21	1 5/16		

Straight

ORFS Bulk Head Nut

Part Number	UNF		
QNUV16	1		
QNUV19	1 3/16		

Flange

Straight

BSPP Male x Code 61 Flange

Part Number	BSPP M	C61 Flange	
QADF16	1	1	

Straight

Code 61 Flange x JIC Male

Part Number	C61 Flange	JIC M	
QAFL0812	1/2	3/4	
QAFL12	3/4	3/4	
QAFL1214	3/4	7/8	
QAFL1217	3/4	1 1/16	
QAFL1617	1	1 1/16	
QAFL1621	1	1 5/16	
QAFL2017	1 1/4	1 1/16	
QAFL2021	1 1/4	1 5/16	
QAFL2026	1 1/4	1 5/8	
QAFL2030	1 1/4	1 7/8	
QAFL2421	1 1/2	1 5/16	
QAFL2426	1 1/2	1 5/8	
QAFL2430	1 1/2	1 7/8	
QAFL3230	2	1 7/8	
QAFL3240	2	2 1/2	

Straight

Code 62 Flange x JIC Male - 6000 psi

Part Number	C62 Flange	JIC M	
QAGL0812	1/2	3/4	
QAGL1217	3/4	1 1/16	
QAGL1617	1	1 1/16	
QAGL1621	1	1 5/16	
QAGL1626	1	1 5/8	
QAGL2021	1 1/4	1 5/16	
QAGL2026	1 1/4	1 5/8	
QAGL2421	1 1/2	1 5/16	
QAGL2426	1 1/2	1 5/8	
QAGL2430	1 1/2	1 7/8	
QAGL3240	2	2 1/2	

Straight

Code 62 Flange x ORFS Male - 6000 psi

Part Number	C62 Flange	ORFS M	
QAGW1219	3/4	1 3/16	
QAGW1223	3/4	1 7/16	
QAGW1623	1	1 7/16	
QAGW2027	1 1/4	1 11/16	

Male/Female Solid

Straight

BSPP Female Solid x BSPP Male

Part Number	BSPP F	BSPP M	
QAASD0402	1/4	1/8	
QAASD0604	3/8	1/4	
QAASD08	1/2	1/2	
QAASD0804	1/2	1/4	
QAASD0806	1/2	3/8	
QAASD12	3/4	3/4	
QAASD1206	3/4	3/8	
QAASD1208	3/4	1/2	
QAASD1612	1	3/4	

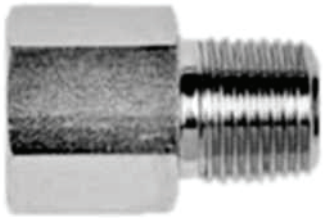
Straight

BSPP Male x JIC Female Solid

Part Number	BSPP M	JIC F Solid	
QADKS0814	1/2	7/8	

Straight

BSPT Female Solid x BSPT Male

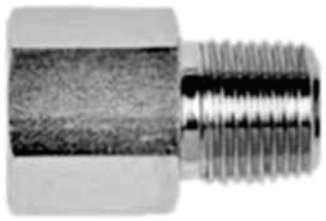


Part Number	BSPT F	BSPT M	
QABSE02	1/8	1/8	
QABSE04	1/4	1/4	
QABSE0402	1/4	1/8	
QABSE06	3/8	3/8	
QABSE0604	3/8	1/4	
QABSE08	1/2	1/2	
QABSE0804	1/2	1/4	

Continued on following page...

Straight

BSPT Female Solid x BSPT Male *Continued...*



QABSE0806	1/2	3/8	
QABSE12	3/4	3/4	
QABSE1208	3/4	1/2	
QABSE16	1	1	
QABSE1612	1	3/4	

Straight

BSPT Female Solid x JIC Male

Part Number	BSPT F	JIC M	
QABSL0207	1/8	7/16	
QABSL0407	1/4	7/16	
QABSL0409	1/4	9/16	
QABSL0412	1/4	3/4	
QABSL0414	1/4	7/8	
QABSL0417	1/4	1 1/16	
QABSL0609	3/8	9/16	
QABSL0612	3/8	3/4	
QABSL0809	1/2	9/16	
QABSL0812	1/2	3/4	
QABSL0814	1/2	7/8	
QABSL0817	1/2	1 1/16	
QABSL1209	3/4	9/16	
QABSL1217	3/4	1 1/16	
QABSL1621	1	1 5/16	

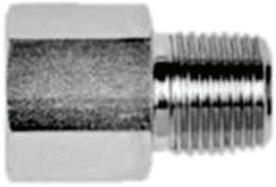
Straight

BSPT Female solid x UNO Male

Part Number	BSPT F	UNO M	
QABSP0209	1/8	9/16	
QABSP0417	1/4	1 1/16	
QABSP0817	1/2	1 1/16	

Straight

BSPT Male X NPT Female Solid



Part Number	NPT F	BSPT M	
QAETS16	1	1	

Straight

BSPT Male x UNO Female Solid

Part Number	BSPT M	UNO F	
QAEPF0612	3/8	3/4	
QAEPF0812	1/2	3/4	
QAEPF0814	1/2	7/8	
QAEPF1217	3/4	1 1/16	
QAEPF1612	1	3/4	
QAEPF1617	1	1 1/16	
QAEPF1621	1	1 5/16	

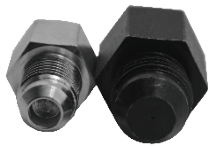
Straight

JIC Female x JIC Male

Part Number	JIC F	JIC M	
QAKL0607	3/8	7/16	Solid
QAKL07	7/16	7/16	Swivel
QAKL0709	7/16	9/16	Solid
QAKL09	9/16	9/16	Swivel
QAKL0912	9/16	3/4	Solid
QAKL12	3/4	3/4	Swivel
QAKL1214	3/4	7/8	Solid
QAKL1217	3/4	1 1/16	Solid
QAKL14	7/8	7/8	Swivel
QAKL1417	7/8	1 1/16	Solid
QAKL17	1 1/16	1 1/16	Swivel
QAKL1721	1 1/16	1 5/16	Solid
QAKL21	1 5/16	1 5/16	Swivel
QAKL2126	1 5/16	1 5/8	Solid
QAKL2630	1 5/8	1 7/8	Solid
QAKL3040	1 7/8	2 1/2	Solid

Straight

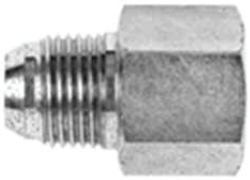
JIC Female x JIC Male - Orifice



Part Number	JIC F	JIC M	ORIFICE
QAKL09-0.9mm	9/16	9/16	0.9mm
QAKL09-1.2mm	9/16	9/16	1.2mm
QAKL12-0.9mm	3/4	3/4	0.9mm

Straight

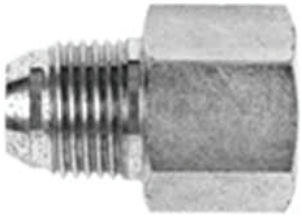
JIC Male x NPT Female Solid



Part Number	JIC M	NPT F Solid	
QALTS0702	7/16	1/8	
QALTS0704	7/16	1/4	
QALTS0904	9/16	1/4	
QALTS0906	9/16	3/8	
QALTS1206	3/4	3/8	
QALTS1208	3/4	1/2	
QALTS1712	1 1/16	3/4	
QALTS1716	1 1/16	1	
QALTS2116	1 5/16	1	

Straight

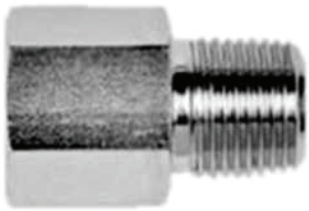
Metric Female Solid x JIS BSP Male



Part Number	Metric	JIS BSP M	
QAQSJ2208	22MM X 1.5	1/2	

Straight

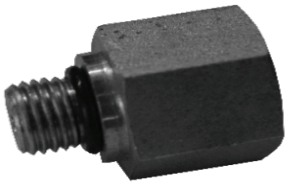
NPT Female Solid x NPT Male



Part Number	NPT F	NPT M	
QATSU02	1/8	1/8	
QATSU0604	3/8	1/4	

Straight

UNO Female x UNO Male



Part Number	UNO F	UNO M	
QAPFSP0907	9/16	7/16	

Female Swivel x Female Solid

Straight

BSPP Female Nut Swivel x BSPT Female Solid

Part Number	BSPT F	BSPP F S/W	
QAABS04	1/4	1/4	
QAABS06	3/8	3/8	
QAABS08	1/2	1/2	
QAABS12	3/4	3/4	
QAABS16	1	1	

Straight

JIC Female X NPT Female

Part Number	NPT F (Solid)	JIC F	
QAKTS0704	1/4	7/16	

Male/Female Swivel

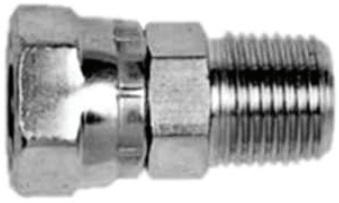
Straight

BSPP Female Swivel Nut x BSPP Male

Part Number	BSPP F S/W	BSPP M	
QAAD02	1/8	1/8	
QAAD04	1/4	1/4	
QAAD06	3/8	3/8	
QAAD08	1/2	1/2	
QAAD0806	1/2	3/8	
QAAD12	3/4	3/4	
QAAD1208	3/4	1/2	
QAAD16	1	1	
QAAD1608	1	1/2	
QAAD1612	1	3/4	
QAAD20	1 1/4	1 1/4	
QAAD2008	1 1/4	1/2	
QAAD24	1 1/2	1 1/2	
QAAD32	2	2	

Straight

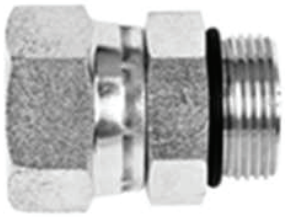
BSPP Female Swivel Nut x BSPT Male



Part Number	BSPP F S/W	BSPT M	
QAAE02	1/8	1/8	
QAAE04	1/4	1/4	
QAAE0406	1/4	3/8	
QAAE06	3/8	3/8	
QAAE0604	3/8	1/4	
QAAE0608	3/8	1/2	
QAAE08	1/2	1/2	
QAAE0806	1/2	3/8	
QAAE0812	1/2	3/4	
QAAE12	3/4	3/4	
QAAE1208	3/4	1/2	
QAAE16	1	1	
QAAE1612	1	3/4	
QAAE20	1 1/4	1 1/4	
QAAE24	1 1/2	1 1/2	
QAAE2420	1 1/2	1 1/4	
QAAE32	2	2	

Straight

BSPP Female Swivel Nut x UNO Male



Part Number	BSPP F S/W	UNO M	
QAAP0612	3/8	3/4	
QAAP0812	1/2	3/4	
QAAP0814	1/2	7/8	
QAAP1214	3/4	7/8	
QAAP1217	3/4	1 1/16	
QAAP1621	1	1 5/16	

Straight

BSPP Male x JIC Female Swivel Nut

Part Number	BSPP M	JIC F S/W	
QADK0407	1/4	7/16	
QADK0409	1/4	9/16	
QADK0609	3/8	9/16	
QADK0612	3/8	3/4	
QADK0614	3/8	7/8	
QADK0809	1/2	9/16	
QADK0812	1/2	3/4	

Continued on following page...

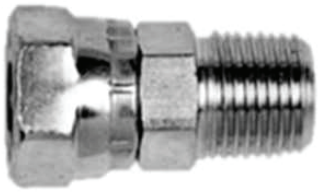
Straight

BSPP Male x JIC Female Swivel Nut *Continued...*

QADK0814	1/2	7/8	
QADK1214	3/4	7/8	
QADK1217	3/4	1 1/16	
QADK1617	1	1 1/16	
QADK1621	1	1 5/16	
QADK2021	1 1/4	1 5/16	
QADK2026	1 1/4	1 5/8	
QADK2030	1 1/4	1 7/8	
QADK2430	1 1/2	1 7/8	

Straight

BSPT Male x JIC Female Swivel Nut



Part Number	BSPT M	JIC F	
QAEK0207	1/8	7/16	
QAEK0209	1/8	9/16	
QAEK0407	1/4	7/16	
QAEK0409	1/4	9/16	
QAEK0609	3/8	9/16	
QAEK0612	3/8	3/4	
QAEK0614	3/8	7/8	
QAEK0812	1/2	3/4	
QAEK0814	1/2	7/8	
QAEK0817	1/2	1 1/16	
QAEK1214	3/4	7/8	
QAEK1217	3/4	1 1/16	
QAEK1221	3/4	1 5/16	
QAEK1617	1	1 1/16	
QAEK1621	1	1 5/16	
QAEK2026	1 1/4	1 5/8	

Straight

BSPT Male x ORFS Female Swivel Nut

Part Number	BSPT M	ORFS F	
QAEV0209	1/8	9/16	
QAEV0409	1/4	9/16	
QAEV0411	1/4	11/16	
QAEV0611	3/8	11/16	
QAEV0613	3/8	13/16	
QAEV0813	1/2	13/16	

Straight

JIC Female x JIC Male

Part Number	JIC F	JIC M	
QAKL0607	3/8	7/16	Solid
QAKL07	7/16	7/16	Swivel
QAKL0709	7/16	9/16	Solid
QAKL09	9/16	9/16	Swivel
QAKL0912	9/16	3/4	Solid
QAKL12	3/4	3/4	Swivel
QAKL1214	3/4	7/8	Solid
QAKL1217	3/4	1 1/16	Solid
QAKL14	7/8	7/8	Swivel
QAKL1417	7/8	1 1/16	Solid
QAKL17	1 1/16	1 1/16	Swivel
QAKL1721	1 1/16	1 5/16	Solid
QAKL21	1 5/16	1 5/16	Swivel
QAKL2126	1 5/16	1 5/8	Solid
QAKL2630	1 5/8	1 7/8	Solid
QAKL3040	1 7/8	2 1/2	Solid

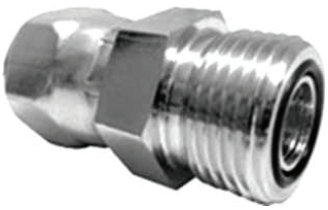
Straight

JIC Female Swivel Nut x NPT Male

Part Number	JIC F	NPT M	
QAKU0702	7/16	1/8	
QAKU0704	7/16	1/4	
QAKU0812	1/2	3/4	
QAKU0904	9/16	1/4	
QAKU1206	3/4	3/8	
QAKU1208	3/4	1/2	
QAKU1712	1 1/16	3/4	
QAKU2116	1 5/16	1	

Straight

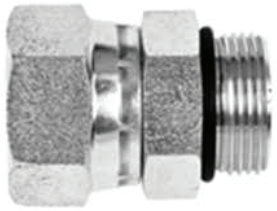
JIC Female Swivel Nut x ORFS Male



Part Number	JIC F S/W	ORFS M	
QAKW0709	7/16	9/16	
QAKW0911	9/16	11/16	
QAKW1213	3/4	13/16	
QAKW1416	7/8	1	
QAKW1719	1 1/16	1 3/16	
QAKW2123	1 5/16	1 7/16	

Straight

JIC Female Swivel Nut x UNO Male



Part Number	JIC F	UNO M	
QAKP07	7/16	7/16	
QAKP09	9/16	9/16	
QAKP0912	9/16	3/4	
QAKP12	3/4	3/4	
QAKP1209	3/4	9/16	
QAKP14	7/8	7/8	
QAKP1412	7/8	3/4	
QAKP1417	7/8	1 1/16	
QAKP17	1 1/16	1 1/16	
QAKP21	1 5/16	1 5/16	
QAKP26	1 5/8	1 5/8	

Straight

JIC Male x ORFS Female Swivel Nut

Part Number	JIC M	ORFS F S/W	
QALV0709	7/16	9/16	
QALV0911	9/16	11/16	
QALV1213	3/4	13/16	
QALV1416	7/8	1	
QALV1719	1 1/16	1 3/16	
QALV2123	1 5/16	1 7/16	

Straight

NPT Female Swivel x NPT Male

Part Number	NPT F S/W	NPT M	
QATU02	1/8	1/8	
QATU04	1/4	1/4	
QATU06	3/8	3/8	

Nipple

Straight

BSPP Male x BSPP Male

NOTE: Please advise which size seal is required when ordering. NO ADDITIONAL CHARGE!! Default will be the largest end.

Part Number	BSPP M	BSPP M	
QNID02	1/8	1/8	
QNID04	1/4	1/4	
QNID06	3/8	3/8	
QNID0604	3/8	1/4	
QNID08	1/2	1/2	
QNID0804	1/2	1/4	
QNID0806	1/2	3/8	
QNID12	3/4	3/4	
QNID1206	3/4	3/8	
QNID1208	3/4	1/2	
QNID16	1	1	
QNID1608	1	1/2	
QNID1612	1	3/4	
QNID20	1 1/4	1 1/4	
QNID2012	1 1/4	3/4	
QNID2016	1 1/4	1	
QNID24	1 1/2	1 1/2	
QNID2420	1 1/2	1 1/4	
QNID32	2	2	
QNID3224	2	1 1/2	

Straight

BSPP Male x BSPT Male

Part Number	BSPP M	BSPT M	
QNIDE02	1/8	1/8	
QNIDE0204	1/8	1/4	
QNIDE04	1/4	1/4	
QNIDE0402	1/4	1/8	
QNIDE0406	1/4	3/8	
QNIDE0408	1/4	1/2	
QNIDE06	3/8	3/8	
QNIDE0604	3/8	1/4	
QNIDE0608	3/8	1/2	
QNIDE0612	3/8	3/4	
QNIDE08	1/2	1/2	
QNIDE0804	1/2	1/4	

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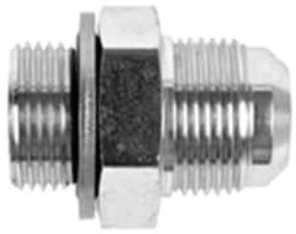
Straight

BSPP Male x BSPT Male *Continued...*

QNIDE0806	1/2	3/8
QNIDE0812	1/2	3/4
QNIDE0816	1/2	1
QNIDE12	3/4	3/4
QNIDE1206	3/4	3/8
QNIDE1208	3/4	1/2
QNIDE1220	3/4	1 1/4
QNIDE16	1	1
QNIDE1608	1	1/2
QNIDE1612	1	3/4
QNIDE1620	1	1 1/4
QNIDE20	1 1/4	1 1/4
QNIDE2012	1 1/4	3/4
QNIDE2016	1 1/4	1
QNIDE2024	1 1/4	1 1/2
QNIDE24	1 1/2	1 1/2
QNIDE2420	1 1/2	1 1/4
QNIDE32	2	2

Straight



BSPP Male x JIC Male

Part Number	BSPP M	JIC M	ORIFICE
QNIDL0207	1/8	7/16	
QNIDL0209	1/8	9/16	
QNIDL0407	1/4	7/16	
QNIDL0408	1/4	1/2	
QNIDL0409	1/4	9/16	
QNIDL0412	1/4	3/4	
QNIDL0607	3/8	7/16	
QNIDL0609	3/8	9/16	
QNIDL0609-1.5MM	3/8	9/16	1.5MM
QNIDL0612	3/8	3/4	
QNIDL0614	3/8	7/8	
QNIDL0617	3/8	1 1/16	
QNIDL0809	1/2	9/16	
QNIDL0812	1/2	3/4	
QNIDL0814	1/2	7/8	
QNIDL0817	1/2	1 1/16	
QNIDL0821	1/2	1 5/16	

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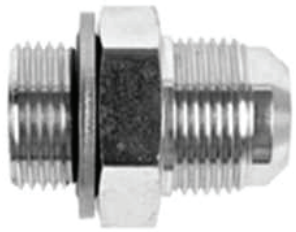
Straight



BSPP Male x JIC Male *Continued...*

QNIDL12	3/4	3/4	
QNIDL1209	3/4	9/16	
QNIDL1214	3/4	7/8	
QNIDL1217	3/4	1 1/16	
QNIDL1221	3/4	1 5/16	
QNIDL1226	3/4	1 5/8	
QNIDL1612	1	3/4	
QNIDL1614	1	7/8	
QNIDL1617	1	1 1/16	
QNIDL1621	1	1 5/16	
QNIDL1626	1	1 5/8	
QNIDL1630	1	1 7/8	
QNIDL2017	1 1/4	1 1/16	
QNIDL2021	1 1/4	1 5/16	
QNIDL2026	1 1/4	1 5/8	
QNIDL2030	1 1/4	1 7/8	
QNIDL2421	1 1/2	1 5/16	
QNIDL2426	1 1/2	1 5/8	
QNIDL2430	1 1/2	1 7/8	
QNIDL3226	2	1 5/8	
QNIDL3230	2	1 7/8	
QNIDL3240	2	2 1/2	

Straight

BSPP Male x JIC Male Extended Nipple

Part Number	BSPP M	JIC M	
QNEDL0612-108	3/8	3/4	

Straight

BSPP Male x NPT Male

Part Number	BSPP M	NPT M	
QNIDU04	1/4	1/4	
QNIDU06	3/8	3/8	
QNIDU12	3/4	3/4	

Straight

BSPP Male x ORFS Male

Part Number	BSPP M	ORFS M	
QNIDW0409	1/4	9/16	
QNIDW0411	1/4	11/16	
QNIDW0609	3/8	9/16	
QNIDW0611	3/8	11/16	
QNIDW0613	3/8	13/16	
QNIDW0811	1/2	11/16	
QNIDW0813	1/2	13/16	
QNIDW0816	1/2	1	
QNIDW1213	3/4	13/16	
QNIDW1216	3/4	1	
QNIDW1219	3/4	1 3/16	
QNIDW1619	1	1 3/16	
QNIDW1623	1	1 7/16	
QNIDW1627	1	1 11/16	
QNIDW2027	1 1/4	1 11/16	
QNIDW2427	1 1/2	1 11/16	

Straight

BSPT Male x BSPT Male

Part Number	BSPT M	BSPT M	
QNIE02	1/8	1/8	
QNIE04	1/4	1/4	
QNIE0402	1/4	1/8	
QNIE06	3/8	3/8	
QNIE0602	3/8	1/8	
QNIE0604	3/8	1/4	
QNIE08	1/2	1/2	
QNIE0804	1/2	1/4	
QNIE0806	1/2	3/8	
QNIE10	5/8	5/8	
QNIE1008	5/8	1/2	
QNIE12	3/4	3/4	
QNIE1204	3/4	1/4	
QNIE1206	3/4	3/8	
QNIE1208	3/4	1/2	
QNIE1210	3/4	5/8	
QNIE16	1	1	
QNIE1606	1	3/8	

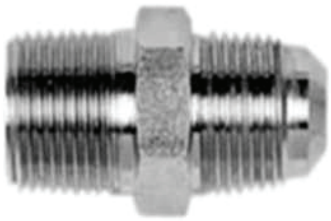
Continued on following page...

Straight

BSPT Male x BSPT Male *Continued...*

QNIE1608	1	1/2	
QNIE1612	1	3/4	
QNIE20	1 1/4	1 1/4	
QNIE2012	1 1/4	3/4	
QNIE2016	1 1/4	1	
QNIE24	1 1/2	1 1/2	
QNIE2412	1 1/2	3/4	
QNIE2416	1 1/2	1	
QNIE2420	1 1/2	1 1/4	
QNIE32	2	2	
QNIE32 BS	2	2	BLACK STEEL
QNIE3220	2	1 1/4	
QNIE3224	2	1 1/2	
QNIE40	2 1/2	2 1/2	
QNIE48	3	3	

Straight



BSPT Male x JIC Male

Part Number	BSPT M	JIC M	
QNIEL0207	1/8	7/16	
QNIEL0208	1/8	1/2	
QNIEL0209	1/8	9/16	
QNIEL0407	1/4	7/16	
QNIEL0408	1/4	1/2	
QNIEL0409	1/4	9/16	
QNIEL0412	1/4	3/4	
QNIEL0607	3/8	7/16	
QNIEL0608	3/8	1/2	
QNIEL0609	3/8	9/16	
QNIEL0612	3/8	3/4	
QNIEL0614	3/8	7/8	
QNIEL0617	3/8	1 1/16	
QNIEL0807	1/2	7/16	
QNIEL0809	1/2	9/16	
QNIEL0812	1/2	3/4	
QNIEL0814	1/2	7/8	
QNIEL0817	1/2	1 1/16	
QNIEL0821	1/2	1 5/16	
QNIEL12	3/4	3/4	

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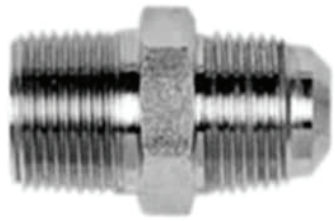
Straight



BSPT Male x JIC Male *Continued...*

QNIEL1209	3/4	9/16	
QNIEL1214	3/4	7/8	
QNIEL1217	3/4	1 1/16	
QNIEL1219	3/4	1 3/16	
QNIEL1221	3/4	1 5/16	
QNIEL1612	1	3/4	
QNIEL1614	1	7/8	
QNIEL1617	1	1 1/16	
QNIEL1621	1	1 5/16	
QNIEL1626	1	1 5/8	
QNIEL2017	1 1/4	1 1/16	
QNIEL2021	1 1/4	1 5/16	
QNIEL2026	1 1/4	1 5/8	
QNIEL2030	1 1/4	1 7/8	
QNIEL2421	1 1/2	1 5/16	
QNIEL2426	1 1/2	1 5/8	
QNIEL2430	1 1/2	1 7/8	
QNIEL2440	1 1/2	2 1/2	
QNIEL3226	2	1 5/8	
QNIEL3230	2	1 7/8	
QNIEL3240	2	2 1/2	

Straight

BSPT Male x JIS Metric (Komatsu) Male

Part Number	BSPT M	JIS M (Metric)	
QNIEN0414	1/4	14mm	
QNIEN0616	3/8	16mm	
QNIEN0618	3/8	18mm	
QNIEN0622	3/8	22mm	
QNIEN0818	1/2	18mm	
QNIEN0820	1/2	20mm	
QNIEN0822	1/2	22mm	
QNIEN0824	1/2	24mm	
QNIEN1224	3/4	24mm	
QNIEN1230	3/4	30mm	
QNIEN1633	1	33mm	

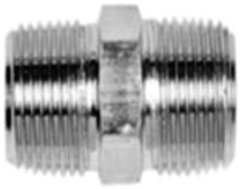
Straight

BSPT Male x Metric Male

Part Number	BSPT M	Metric M	
QNIER0412	1/4	12mm x 1.5	
QNIER0414	1/4	14mm x 1.5	
QNIER0620	3/8	20mm x 1.5	
QNIER0822	1/2	22mm x 1.5	
QNIER0826	1/2	26mm x 1.5	
QNIER0827	1/2	27mm x 1.5	
QNIER1226	3/4	26mm x 1.5	
QNIER1622	1	22mm x 1.5	

Straight

BSPT Male x NPT Male



Part Number	BSPT M	NPT M	
QNIEU04	1/4	1/4	
QNIEU06	3/8	3/8	
QNIEU16	1	1	
QNIEU20	1 1/4	1 1/4	
QNIEU24	1 1/2	1 1/2	
QNIEU2420	1 1/2	1 1/4	
QNIEU32	2	2	

Straight

BSPT Male x ORFS Male

Part Number	BSPT	ORFS M	
QNIEW0211	1/8	11/16	

Straight

BSPT Male x SAE Male

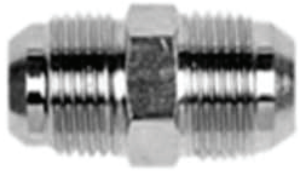
Part Number	SAE M	BSPT M	
QNIESM0410	5/8	1/4	
QNIESM0610	5/8	3/8	
QNIESM1217	1 1/16	3/4	

Straight

BSPT Male x UNO Male

Part Number	BSPT M	UNO M	
QNIEP0407	1/4	7/16	
QNIEP0409	1/4	9/16	
QNIEP0412	1/4	3/4	
QNIEP0609	3/8	9/16	
QNIEP0612	3/8	3/4	
QNIEP0614	3/8	7/8	
QNIEP0809	1/2	9/16	
QNIEP0812	1/2	3/4	
QNIEP0814	1/2	7/8	
QNIEP0817	1/2	1 1/16	
QNIEP1214	3/4	7/8	
QNIEP1217	3/4	1 1/16	
QNIEP1221	3/4	1 5/16	
QNIEP1617	1	1 1/16	
QNIEP1621	1	1 5/16	
QNIEP2026	1 1/4	1 5/8	
QNIEP2426	1 1/2	1 5/8	

Straight



JIC-Male x JIC-Male

Part Number	JIC M	JIC M	
QNIL07	7/16	7/16	
QNIL08	1/2	1/2	
QNIL09	9/16	9/16	
QNIL0907	9/16	7/16	
QNIL12	3/4	3/4	
QNIL1207	3/4	7/16	
QNIL1209	3/4	9/16	
QNIL14	7/8	7/8	
QNIL1412	7/8	3/4	
QNIL17	1 1/16	1 1/16	
QNIL1707	1 1/16	7/16	
QNIL1709	1 1/16	9/16	
QNIL1712	1 1/16	3/4	
QNIL1714	1 1/16	7/8	
QNIL19	1 3/16	1 3/16	
QNIL21	1 5/16	1 5/16	
QNIL2114	1 5/16	7/8	

Continued on following page...

Straight

JIC-Male x JIC-Male *Continued...*

QNIL2117	1 5/16	1 1/16	
QNIL2621	1 5/16	1 5/8	
QNIL26	1 5/8	1 5/8	
QNIL30	1 7/8	1 7/8	
QNIL40	2 1/2	2 1/2	

Straight

JIC Male x Metric Male

Part Number	JIC M	Metric M	
QNILR0708	7/16	8mm x 1	
QNILR0710	7/16	10mm x 1	
QNILR0712	7/16	12mm x 1.5	
QNILR0714	7/16	14mm x 1.5	
QNILR0814	1/2	14mm x 1.5	
QNILR0912	9/16	12mm x 1.5	
QNILR0914	9/16	14mm x 1.5	
QNILR0916	9/16	16mm x 1.5	
QNILR0918	9/16	18mm x 1.5	
QNILR12	3/4	12mm x 1.5	
QNILR1214	3/4	14mm x 1.5	
QNILR1216	3/4	16mm x 1.5	
QNILR1218	3/4	18mm x 1.5	
QNILR1220	3/4	20mm x 1.5	
QNILR1222	3/4	22mm x 1.5	
QNILR1224	3/4	24mm x 1.5	
QNILR1416	7/8	16mm x 1.5	
QNILR1418	7/8	18mm x 1.5	
QNILR1420	7/8	20mm x 1.5	
QNILR1422	7/8	22mm x 1.5	
QNILR1718	1 1/16	18mm x 1.5	
QNILR1720	1 1/16	20mm x 1.5	
QNILR1722	1 1/16	22mm x 1.5	
QNILR1726	1 1/16	26mm x 1.5	
QNILR1727	1 1/16	27mm x 1.5	
QNILR1727-2mm	1 1/16	27mm x 2	
QNILR1733	1 1/16	33mm x 1.5	
QNILR1733-2mm	1 1/16	33mm x 2	
QNILR2126	1 5/16	26mm x 1.5	
QNILR2133	1 5/16	33mm x 1.5	
QNILR2142	1 5/16	42mm x 2	
QNILR2633	1 5/8	33mm x 1.5	
QNILR3048	1 7/8	48mm x 2	

Straight

JIC Male x NPT Male

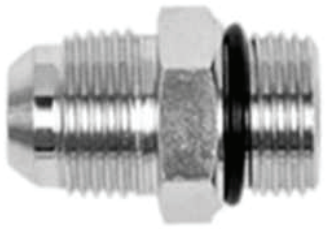
Part Number	JIC M	NPT M	
QNILU0702	7/16	1/8	
QNILU0704	7/16	1/4	
QNILU0706	7/16	3/8	
QNILU0902	9/16	1/8	
QNILU0904	9/16	1/4	
QNILU0906	9/16	3/8	
QNILU0908	9/16	1/2	
QNILU0912	9/16	3/4	
QNILU12	3/4	3/4	
QNILU1204	3/4	1/4	
QNILU1206	3/4	3/8	
QNILU1208	3/4	1/2	
QNILU1216	3/4	1	
QNILU1412	7/8	3/4	
QNILU1408	7/8	1/2	
QNILU1708	1 1/16	1/2	
QNILU1712	1 1/16	3/4	
QNILU1716	1 1/16	1	
QNILU1720	1 1/16	1 1/4	
QNILU2112	1 5/16	3/4	
QNILU2116	1 5/16	1	
QNILU2120	1 5/16	1 1/4	
QNILU2124	1 5/16	1 1/2	
QNILU2616	1 5/8	1	
QNILU2620	1 5/8	1 1/4	
QNILU2624	1 5/8	1 1/2	
QNILU3020	1 7/8	1 1/4	
QNILU3024	1 7/8	1 1/2	
QNILU4024	2 1/2	1 1/2	
QNILU4032	2 1/2	2	

Straight

JIC Male x ORFS Male

Part Number	JIC M	ORFS M	
QNILW0709	7/16	9/16	
QNILW0911	9/16	11/16	
QNILW1213	3/4	13/16	
QNILW1413	7/8	13/16	
QNILW1416	7/8	1	
QNILW1719	1 1/16	1 3/16	
QNILW2123	1 5/16	1 7/16	
QNILW2627	1 5/8	1 11/16	

Straight



JIC Male x UNO Male

Part Number	JIC M	UNO M	
QNILP07	7/16	7/16	
QNILP0708	7/16	1/2	
QNILP0709	7/16	9/16	
QNILP0712	7/16	3/4	
QNILP08	1/2	1/2	
QNILP0807	1/2	7/16	
QNILP0809	1/2	9/16	
QNILP09	9/16	9/16	
QNILP0907	9/16	7/16	
QNILP0908	9/16	1/2	
QNILP0912	9/16	3/4	
QNILP0914	9/16	7/8	
QNILP0917	9/16	1 1/16	
QNILP12	3/4	3/4	
QNILP1207	3/4	7/16	
QNILP1209	3/4	9/16	
QNILP1214	3/4	7/8	
QNILP1217	3/4	1 1/16	
QNILP1221	3/4	1 5/16	
QNILP14	7/8	7/8	
QNILP1409	7/8	9/16	
QNILP1412	7/8	3/4	
QNILP1417	7/8	1 1/16	
QNILP1421	7/8	1 5/16	
QNILP17	1 1/16	1 1/16	
QNILP1712	1 1/16	3/4	
QNILP1714	1 1/16	7/8	

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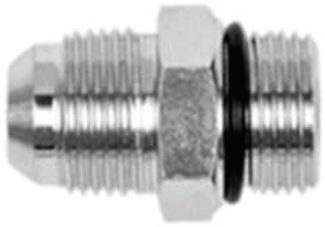
Straight

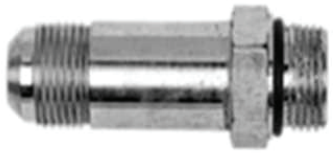
JIC Male x UNO Male *Continued...*



QNILP1721	1 1/16	1 5/16	
QNILP1726	1 1/16	1 5/8	
QNILP19	1 3/16	1 3/16	
QNILP1921	1 3/16	1 5/16	
QNILP21	1 5/16	1 5/16	
QNILP2112	1 5/16	3/4	
QNILP2114	1 5/16	7/8	
QNILP2117	1 5/16	1 1/16	
QNILP2126	1 5/16	1 5/8	
QNILP2130	1 5/16	1 7/8	
QNILP26	1 5/8	1 5/8	
QNILP2617	1 5/8	1 1/16	
QNILP2621	1 5/8	1 5/16	
QNILP2630	1 5/8	1 7/8	
QNILP2640	1 5/8	2 1/2	
QNILP30	1 7/8	1 7/8	
QNILP3040	1 7/8	2 1/2	
QNILP40	2 1/2	2 1/2	

Straight

JIC Male x UNO Male Extended



Part Number	JIC M	UNO M	
QNELP09	9/16	9/16	
QNELP12	3/4	3/4	
QNELP14	7/8	7/8	
QNELP17	1 1/16	1 1/16	
QNELP21	1 5/16	1 5/16	

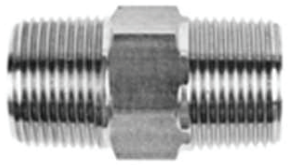
Straight

Metric Male x ORFS Male

Part Number	Metric M	ORFS M	
QNIRW1209	12 x 1.5	9/16	
QNIRW1411	14 x 1.5	11/16	
QNIRW1611	16 x 1.5	11/16	
QNIRW1813	18 x 1.5	13/16	
QNIRW2213	22 x 1.5	13/16	
QNIRW2216	22 x 1.5	1	
QNIRW2719	27 x 2	1 3/16	
QNIRW3323	33 x 2	1 7/16	
QNIRW4223	42 x 2	1 7/16	

Straight

NPT Male x NPT-Male



Part Number	NPT M	NPT M	
QNIU02	1/8	1/8	
QNIU04	1/4	1/4	
QNIU0402	1/4	1/8	
QNIU06	3/8	3/8	
QNIU0604	3/8	1/4	
QNIU08	1/2	1/2	
QNIU0804	1/2	1/4	
QNIU0806	1/2	3/8	
QNIU12	3/4	3/4	
QNIU1206	3/4	3/8	
QNIU1208	3/4	1/2	
QNIU16	1	1	
QNIU1608	1	1/2	
QNIU1612	1	3/4	
QNIU20	1 1/4	1 1/4	
QNIU2016	1 1/4	1	
QNIU2024	1 1/4	1 1/2	
QNIU24	1 1/2	1 1/2	
QNIU32	2	2	
QNIU3224	2	1 1/2	
QNIU48	3	3	

Straight

ORFS-Male xORFS-Male

Part Number	ORFS M	ORFS M	
QNIW09	9/16	9/16	
QNIW11	11/16	11/16	
QNIW1109	11/16	9/16	
QNIW13	13/16	13/16	
QNIW1311	13/16	11/16	
QNIW16	1	1	
QNIW1613	1	13/16	
QNIW19	1 3/16	1 3/16	
QNIW1913	1 3/16	13/16	
QNIW1916	1 3/16	1	
QNIW23	1 7/16	1 7/16	
QNIW2319	1 7/16	1 3/16	
QNIW27	1 11/16	1 11/16	

Straight

SAE Male x NPT Male

Part Number	SAE M	NPT M	
QNISMU1006	5/8	3/8	

Straight

SAE-Male x SAE-Male

Part Number	SAE M	SAE M	
QNISM10	5/8	5/8	

Straight

UNO Male x ORFS Male

Part Number	UNO M	ORFS M	
QNIPW0709	7/16	9/16	
QNIPW0711	7/16	11/16	
QNIPW09	9/16	9/16	
QNIPW0911	9/16	11/16	
QNIPW0913	9/16	13/16	
QNIPW1211	3/4	11/16	
QNIPW1213	3/4	13/16	
QNIPW1216	3/4	1	
QNIPW1413	7/8	13/16	
QNIPW1416	7/8	1	
QNIPW1419	7/8	1 3/16	
QNIPW1713	1 1/16	13/16	
QNIPW1716	1 1/16	1	
QNIPW1719	1 1/16	1 3/16	
QNIPW2119	1 5/16	1 3/16	
QNIPW2123	1 5/16	1 7/16	
QNIPW2127	1 5/16	1 11/16	
QNIPW2627	1 5/8	1 11/16	

Reducing Bush

Straight

BSPP Female x BSPP Male

Part Number			
QRASD0204	1/8	1/4	
QRASD0406	1/4	3/8	
QRASD0408	1/4	1/2	
QRASD0412	1/4	3/4	
QRASD0416	1/4	1	
QRASD0608	3/8	1/2	
QRASD0612	3/8	3/4	
QRASD0812	1/2	3/4	
QRASD0816	1/2	1	
QRASD0820	1/2	1 1/4	
QRASD1216	3/4	1	
QRASD1220	3/4	1 1/4	
QRASD1232	3/4	2	
QRASD1620	1	1 1/4	
QRASD1624	1	1 1/2	
QRASD1632	1	2	
QRASD2024	1 1/4	1 1/2	
QRASD2032	1 1/4	2	
QRASD2432	1 1/2	2	

Straight

BSPT Female x BSPT Male

Part Number	BSPT F	BSPT M	
QRBE0204	1/8	1/4	
QRBE0206	1/8	3/8	
QRBE0208	1/8	1/2	
QRBE0406	1/4	3/8	
QRBE0408	1/4	1/2	
QRBE0412	1/4	3/4	
QRBE0416	1/4	1	
QRBE0608	3/8	1/2	
QRBE0612	3/8	3/4	
QRBE0616	3/8	1	
QRBE0812	1/2	3/4	
QRBE0816	1/2	1	
QRBE0820	1/2	1 1/4	
QRBE1216	3/4	1	

Continued on following page...

Straight

BSPT Female x BSPT Male *Continued...*

QRBE1220	3/4	1 1/4	
QRBE1224	3/4	1 1/2	
QRBE1620	1	1 1/4	
QRBE1624	1	1 1/2	
QRBE1632	1	2	
QRBE2024	1 1/4	1 1/2	
QRBE2032	1 1/4	2	
QRBE2432	1 1/2	2	

Straight

JIC Female x JIC Male

Part Number	JIC F	JIC M	
QRKL0807	1/2	7/16	
QRKL0907	9/16	7/16	
QRKL1207	3/4	7/16	
QRKL1209	3/4	9/16	
QRKL1407	7/8	7/16	
QRKL1409	7/8	9/16	
QRKL1412	7/8	3/4	
QRKL1707	1 1/16	7/16	
QRKL1709	1 1/16	9/16	
QRKL1712	1 1/16	3/4	
QRKL1714	1 1/16	7/8	
QRKL2109	1 5/16	9/16	
QRKL2112	1 5/16	3/4	
QRKL2114	1 5/16	7/8	
QRKL2117	1 5/16	1 1/16	
QRKL2612	1 5/8	3/4	
QRKL2617	1 5/8	1 1/16	
QRKL2621	1 5/8	1 5/16	
QRKL3021	1 7/8	1 5/16	
QRKL3026	1 7/8	1 5/8	
QRKL4026	2 1/2	1 5/8	
QRKL4030	2 1/2	1 7/8	

Straight

NPT Female x NPT Male

Part Number	NPT F	NPT M	
QRTU0204	1/8	1/4	
QRTU0206	1/8	3/8	
QRTU0208	1/8	1/2	
QRTU0212	1/8	3/4	
QRTU0406	1/4	3/8	

Continued on following page...

Straight

NPT Female x NPT Male *Continued...*

QRTU0408	1/4	1/2	
QRTU0412	1/4	3/4	
QRTU0416	1/4	1	
QRTU0420	1/4	1 1/4	
QRTU0608	3/8	1/2	
QRTU0612	3/8	3/4	
QRTU0616	3/8	1	
QRTU0812	1/2	3/4	
QRTU0816	1/2	1	
QRTU1216	3/4	1	
QRTU1220	3/4	1 1/4	
QRTU1224	3/4	1 1/2	
QRTU1620	1	1 1/4	
QRTU1624	1	1 1/2	
QRTU1632	1	2	
QRTU2024	1 1/4	1 1/2	
QRTU2032	1 1/4	2	
QRTU2432	1 1/2	2	

Straight

ORFS Female x ORFS Male

Part Number	ORFS F	ORFS M	
QRVW1109	11/16	9/16	
QRVW1309	13/16	9/16	
QRVW1311	13/16	11/16	
QRVW1609	1	9/16	
QRVW1611	1	11/16	
QRVW1613	1	13/16	
QRVW1911	1 3/16	11/16	
QRVW1913	1 3/16	13/16	
QRVW1916	1 3/16	1	
QRVW2316	1 7/16	1	
QRVW2319	1 7/16	1 3/16	
QRVW2719	1 11/16	1 3/16	
QRVW2723	1 11/16	1 7/16	

Socket

Straight

BSPP Female

Part Number	BSPP F	BSPP F	
QSA04	1/4	1/4	
QSA06	3/8	3/8	
QSA08	1/2	1/2	
QSA12	3/4	3/4	
QSA16	1	1	
QSA20	1 1/4	1 1/4	
QSA24	1 1/2	1 1/2	
QSA32	2	2	

Straight

BSPT Female

Part Number	BSPT F	BSPT F	
QSB02	1/8	1/8	
QSB04	1/4	1/4	
QSB0402	1/4	1/8	
QSB06	3/8	3/8	
QSB0604	3/8	1/4	
QSB08	1/2	1/2	
QSB0804	1/2	1/4	
QSB0806	1/2	3/8	
QSB12	3/4	3/4	
QSB1204	3/4	1/4	
QSB1208	3/4	1/2	
QSB16	1	1	
QSB1612	1	3/4	
QSB20	1 1/4	1 1/4	
QSB2016	1 1/4	1	
QSB24	1 1/2	1 1/2	
QSB32	2	2	
QSB32-BS	2	2	Black Steel

Straight

NPT Female

Part Number	NPT F	NPT F	
QST02	1/8	1/8	
QST04	1/4	1/4	
QST0402	1/4	1/8	
QST06	3/8	3/8	
QST0604	3/8	1/4	
QST08	1/2	1/2	
QST12	3/4	3/4	
QST16	1	1	
QST1612	1	3/4	
QST20	1 1/4	1 1/4	
QST24	1 1/2	1 1/2	
QST32	2	2	

Straight

UNO Female

Part Number	UNO F	UNO F	
QSPF07	7/16	7/16	
QSPF09	9/16	9/16	
QSPF12	3/4	3/4	
QSPF14	7/8	7/8	
QSPF17	1 1/16	1 1/16	
QSPF21	1 5/16	1 5/16	

Adaptors 45 Degree Elbows

Elbow Block

45 Degree Elbows

BSPP Female S/W x BSPT Male - 45°

Part Number	BSPP F S/W	BSPT M	
QEBAE0245	1/8	1/8	
QEBAE0445	1/4	1/4	
QEBAE0645	3/8	3/8	
QEBAE0845	1/2	1/2	
QEBAE1245	3/4	3/4	
QEBAE1645	1	1	
QEBAE2045	1 1/4	1 1/4	
QEBAE2445	1 1/2	1 1/2	
QEBAE3245	2	2	

45 Degree Elbows

BSPP Male x BSPT Male - 45°

Part Number	BSPP M	BSPT M	
QEBDE0445	1/4	1/4	
QEBDE0645	3/8	3/8	
QEBDE0845	1/2	1/2	
QEBDE1245	3/4	3/4	
QEBDE1645	1	1	

45 Degree Elbows

BSPP Male x JIC Male - 45°

Part Number	BSPP M	JIC M	
QEBDL020745	1/8	7/16	
QEBDL040745	1/4	7/16	
QEBDL040945	1/4	9/16	
QEBDL041245	1/4	3/4	
QEBDL060945	3/8	9/16	
QEBDL061245	3/8	3/4	
QEBDL080945	1/2	9/16	
QEBDL081245	1/2	3/4	
QEBDL081445	1/2	7/8	
QEBDL121445	3/4	7/8	
QEBDL121745	3/4	1 1/16	
QEBDL122145	3/4	1 5/16	
QEBDL1245	3/4	3/4	
QEBDL161745	1	1 1/16	
QEBDL162145	1	1 5/16	
QEBDL202645	1 1/4	1 5/8	

45 Degree Elbows

BSPT Solid Female - 45°

Part Number	BSPT F	BSPT F	
QEBBS0245	1/8	1/8	
QEBBS0445	1/4	1/4	
QEBBS0645	3/8	3/8	
QEBBS0845	1/2	1/2	
QEBBS1245	3/4	3/4	
QEBBS1645	1	1	

45 Degree Elbows

BSPT Female Solid x BSPT Male - 45°

Part Number	BSPT F (Solid)	BSPT M	
QEBBSE0445	1/4	1/4	
QEBBSE0645	3/8	3/8	
QEBBSE0845	1/2	1/2	
QEBBSE1245	3/4	3/4	
QEBBSE1645	1	1	
QEBBSE2045	1 1/4	1 1/4	
QEBBSE2445	1 1/2	1 1/2	

45 Degree Elbows

BSPT Male - 45°

Part Number	BSPT M	BSPT M	
QEBE0245	1/8	1/8	
QEBE0445	1/4	1/4	
QEBE0645	3/8	3/8	
QEBE0845	1/2	1/2	
QEBE1245	3/4	3/4	
QEBE161245	1	3/4	
QEBE1645	1	1	
QEBE2045	1 1/4	1 1/4	

45 Degree Elbows

BSPT Male x JIC Male - 45°

Part Number	BSPT M	JIC M	
QEBEL020745	1/8	7/16	
QEBEL040745	1/4	7/16	
QEBEL040945	1/4	9/16	
QEBEL041245	1/4	3/4	
QEBEL060945	3/8	9/16	
QEBEL061245	3/8	3/4	
QEBEL061445	3/8	7/8	
QEBEL080945	1/2	9/16	
QEBEL081245	1/2	3/4	
QEBEL081445	1/2	7/8	
QEBEL081745	1/2	1 1/16	
QEBEL121445	3/4	7/8	
QEBEL121745	3/4	1 1/16	
QEBEL122145	3/4	1 5/16	
QEBEL162145	1	1 5/16	
QEBEL162645	1	1 5/8	
QEBEL202645	1 1/4	1 5/8	

45 Degree Elbows

BSPT Male x UNO Male - 45°

Part Number	BSPT M	UNO M	
QEBEP040945	1/4	9/16	
QEBEP060945	3/8	9/16	
QEBEP061245	3/8	3/4	
QEBEP081245	1/2	3/4	
QEBEP081445	1/2	7/8	
QEBEP121745	3/4	1 1/16	
QEBEP162145	1	1 5/16	

45 Degree Elbows

JIC Female Swivel x JIC Male - 45°

Part Number	JIC F	JIC M	
QEBKL0745	7/16	7/16	
QEBKL0845	1/2	1/2	
QEBKL0945	9/16	9/16	
QEBKL1245	3/4	3/4	
QEBKL1445	7/8	7/8	
QEBKL1745	1 1/16	1 1/16	
QEBKL2145	1 5/16	1 5/16	
QEBKL2645	1 5/8	1 5/8	
QEBKL3045	1 7/8	1 7/8	
QEBKL4045	2 1/2	2 1/2	

45 Degree Elbows

JIC Female Swivel x UNO Male - 45°

Part Number	JIC F	UNO M	
QEBKP0945	9/16	9/16	
QEBKP1245	3/4	3/4	
QEBKP1445	7/8	7/8	

45 Degree Elbows

JIC Male x NPT Male - 45°

Part Number	JIC M	NPT M	
QEBLU070245	7/16	1/8	
QEBLU070445	7/16	1/4	
QEBLU090645	9/16	3/8	
QEBLU120445	3/4	1/4	
QEBLU120645	3/4	3/8	
QEBLU120845	3/4	1/2	
QEBLU140845	7/8	1/2	
QEBLU171245	1 1/16	3/4	
QEBLU211645	1 5/16	1	
QEBLU403245	2 1/2	2	

45 Degree Elbows

JIC Male x UNO Male - 45°

Part Number	JIC M	UNO M	
QEBLP0745	7/16	7/16	
QEBLP091245	9/16	3/4	
QEBLP0945	9/16	9/16	
QEBLP120945	3/4	9/16	
QEBLP121445	3/4	7/8	
QEBLP121745	3/4	1 1/16	
QEBLP1245	3/4	3/4	
QEBLP141245	7/8	3/4	
QEBLP1445	7/8	7/8	
QEBLP171245	1 1/16	3/4	
QEBLP171445	1 1/16	7/8	
QEBLP172145	1 1/16	1 5/16	
QEBLP1745	1 1/16	1 1/16	
QEBLP211745	1 5/16	1 1/16	
QEBLP212645	1 5/16	1 5/8	
QEBLP2145	1 5/16	1 5/16	
QEBLP2645	1 5/8	1 5/8	

45 Degree Elbows

NPT Female Solid - 45°

Part Number	NPT F	NPT F	
QEBTS0445	1/4	1/4	
QEBTS0645	3/8	3/8	

45 Degree Elbows

NPT Female Solid x NPT Male - 45°

Part Number	NPT F	NPT M	
QEBTSU0245	1/8	1/8	
QEBTSU0445	1/4	1/4	
QEBTSU1245	3/4	3/4	

45 Degree Elbows

NPT Male - 45°

Part Number	NPT M	NPT M	
QEBU0445	1/4	1/4	
QEBU1645	1	1	

45 Degree Elbows

ORFS Female Swivel x ORFS Male - 45°

Part Number	ORFS F	ORFS M	
QEBVW0945	9/16	9/16	
QEBVW1145	11/16	11/16	
QEBVW1345	13/16	13/16	
QEBVW1645	1	1	
QEBVW1945	1 3/16	1 3/16	
QEBVW2345	1 7/16	1 7/16	
QEBVW2745	1 11/16	1 11/16	

45 Degree Elbows

UNO Male x ORFS Male - 45°

Part Number	UNO M	ORFS M	
QEBPW0945	9/16	9/16	
QEBPW121345	3/4	13/16	

Tube Elbow

45 Degree Elbows

Code 61 Flange x JIC Male - 45°

Part Number	C61 Flange	JIC M	
QETFL081245	1/2	3/4	
QETFL121445	3/4	7/8	
QETFL121745	3/4	1 1/16	
QETFL122145	3/4	1 5/16	
QETFL161745	1	1 1/16	
QETFL162145	1	1 5/16	
QETFL202145	1 1/4	1 5/16	
QETFL202645	1 1/4	1 5/8	
QETFL242645	1 1/2	1 5/8	
QETFL243045	1 1/2	1 7/8	
QETFL324045	2	2 1/2	

45 Degree Elbows

Code 62 Flange x JIC Male - 45°

Part Number	C62 Flange	JIC M	
QETGL121745	3/4	1 1/16	
QETGL122145	3/4	1 5/16	
QETGL161745	1	1 1/16	
QETGL162145	1	1 5/16	
QETGL202145	1 1/4	1 5/16	
QETGL202645	1 1/4	1 5/8	
QETGL242645	1 1/2	1 5/8	
QETGL243045	1 1/2	1 7/8	

45 Degree Elbows

Code 62 Flange x ORFS Male - 45°

Part Number	C62 Flange	ORFS M	
QETGW162345	1	1 7/16	

45 Degree Elbows

JIC Female x JIC Male - 45°

Part Number	JIC F	JIC M	
QETKL0745	7/16	7/16	
QETKL0945	9/16	9/16	
QETKL1245	3/4	3/4	
QETKL1445	7/8	7/8	
QETKL1745	1 1/16	1 1/16	
QETKL211745	1 5/16	1 1/16	
QETKL2145	1 5/16	1 5/16	
QETKL2645	1 5/8	1 5/8	

90 Degree Elbows

Bulkhead

90 Degree Elbows

JIC Male Bulkhead x JIC Male - 90°

Part Number	JIC M B/H	JIC M	
QEBBLL07	7/16	7/16	
QEBBLL09	9/16	9/16	
QEBBLL12	3/4	3/4	
QEBBLL14	7/8	7/8	
QEBBLL17	1 1/16	1 1/16	
QEBBLL21	1 5/16	1 5/16	
QEBBLL26	1 5/8	1 5/8	

Note: Only comes with single nut.

Elbow Block

90 Degree Elbows

BSPP Female S/W x BSPT Male - 90°

Part Number	BSPP F S/W	BSPT M	
QEBAE02	1/8	1/8	
QEBAE04	1/4	1/4	
QEBAE06	3/8	3/8	
QEBAE0604	3/8	1/4	
QEBAE0608	3/8	1/2	
QEBAE08	1/2	1/2	
QEBAE12	3/4	3/4	
QEBAE16	1	1	
QEBAE20	1 1/4	1 1/4	
QEBAE24	1 1/2	1 1/2	
QEBAE32	2	2	

90 Degree Elbows

BSPP Male x BSPT Male - 90°

Part Number	BSPP M	BSPT M	
QEBDE04	1/4	1/4	
QEBDE06	3/8	3/8	
QEBDE0604	3/8	1/4	
QEBDE08	1/2	1/2	
QEBDE0806	1/2	3/8	
QEBDE12	3/4	3/4	
QEBDE16	1	1	

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BSPP Male x BSPT Male - 90° *Continued...*

QEBDE1612	1	3/4	
QEBDE20	1 1/4	1 1/4	
QEBDE24	1 1/2	1 1/2	

BSPP Male x JIC Male - 90°

Part Number	BSPP M	JIC M	
QEBDL0207	1/8	7/16	
QEBDL0209	1/8	9/16	
QEBDL0407	1/4	7/16	
QEBDL0408	1/4	1/2	
QEBDL0409	1/4	9/16	
QEBDL0412	1/4	3/4	
QEBDL0607	3/8	7/16	
QEBDL0609	3/8	9/16	
QEBDL0612	3/8	3/4	
QEBDL0614	3/8	7/8	
QEBDL0809	1/2	9/16	
QEBDL0812	1/2	3/4	
QEBDL0814	1/2	7/8	
QEBDL0817	1/2	1 1/16	
QEBDL12	3/4	3/4	
QEBDL1207	3/4	7/16	
QEBDL1209	3/4	9/16	
QEBDL1214	3/4	7/8	
QEBDL1217	3/4	1 1/16	
QEBDL1221	3/4	1 5/16	
QEBDL1614	1	7/8	
QEBDL1617	1	1 1/16	
QEBDL1621	1	1 5/16	
QEBDL1626	1	1 5/8	
QEBDL2021	1 1/4	1 5/16	
QEBDL2026	1 1/4	1 5/8	
QEBDL2030	1 1/4	1 7/8	
QEBDL2421	1 1/2	1 5/16	
QEBDL2426	1 1/2	1 5/8	
QEBDL2430	1 1/2	1 7/8	
QEBDL3240	2	2 1/2	

90 Degree Elbows

BSPP Male x ORFS Male - 90°

Part Number	BSPP M	ORFS M	
QEBDW0409	1/4	9/16	
QEBDW0411	1/4	11/16	
QEBDW0611	3/8	11/16	
QEBDW0613	3/8	13/16	
QEBDW0813	1/2	13/16	
QEBDW0816	1/2	1	
QEBDW1219	3/4	1 3/16	
QEBDW1619	1	1 3/16	
QEBDW1623	1	1 7/16	
QEBDW2027	1 1/4	1 11/16	

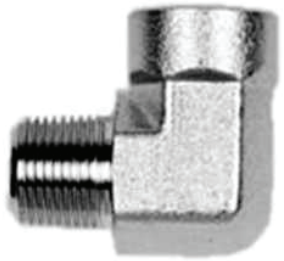
90 Degree Elbows

BSPT Solid Female - 90°

Part Number	BSPT F	BSPT F	
QEBBS02	1/8	1/8	
QEBBS04	1/4	1/4	
QEBBS06	3/8	3/8	
QEBBS08	1/2	1/2	
QEBBS12	3/4	3/4	
QEBBS16	1	1	
QEBBS20	1 1/4	1 1/4	
QEBBS24	1 1/2	1 1/2	
QEBBS32	2	2	

90 Degree Elbows

BSPT Female Solid x BSPT Male - 90°



Part Number	BSPT F	BSPT M	
QEBBSE02	1/8	1/8	
QEBBSE04	1/4	1/4	
QEBBSE06	3/8	3/8	
QEBBSE0608	3/8	1/2	
QEBBSE08	1/2	1/2	
QEBBSE0806	1/2	3/8	
QEBBSE12	3/4	3/4	
QEBBSE1208	3/4	1/2	
QEBBSE16	1	1	
QEBBSE20	1 1/4	1 1/4	
QEBBSE24	1 1/2	1 1/2	
QEBBSE32	2	2	

90 Degree Elbows

BSPT Male - 90°

Part Number	BSPT M	BSPT M	
QEBE02	1/8	1/8	
QEBE04	1/4	1/4	
QEBE0402	1/4	1/8	
QEBE06	3/8	3/8	
QEBE0604	3/8	1/4	
QEBE08	1/2	1/2	
QEBE0804	1/2	1/4	
QEBE0806	1/2	3/8	
QEBE12	3/4	3/4	
QEBE1208	3/4	1/2	
QEBE16	1	1	
QEBE1612	1	3/4	
QEBE20	1 1/4	1 1/4	
QEBE2016	1 1/4	1	
QEBE24	1 1/2	1 1/2	
QEBE32	2	2	

90 Degree Elbows

BSPT Male x JIC Female Swivel - 90°

Part Number	BSPT M	JIC F	
QEBEK0409	1/4	9/16	
QEBEK0609	3/8	9/16	
QEBEK0812	1/2	3/4	
QEBEK0814	1/2	7/8	

90 Degree Elbows

BSPT Male x JIC Male - 90°

Part Number	BSPT M	JIC M	
QEBEL0207	1/8	7/16	
QEBEL0208	1/8	1/2	
QEBEL0209	1/8	9/16	
QEBEL0212	1/8	3/4	
QEBEL0407	1/4	7/16	
QEBEL0408	1/4	1/2	
QEBEL0409	1/4	9/16	
QEBEL0412	1/4	3/4	
QEBEL0607	3/8	7/16	
QEBEL0609	3/8	9/16	
QEBEL0612	3/8	3/4	

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90 Degree Elbows

BSPT Male x JIC Male - 90° *Continued...*

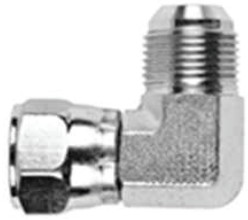
QEBEL0614	3/8	7/8	
QEBEL0807	1/2	7/16	
QEBEL0809	1/2	9/16	
QEBEL0812	1/2	3/4	
QEBEL0814	1/2	7/8	
QEBEL0817	1/2	1 1/16	
QEBEL12	3/4	3/4	
QEBEL1209	3/4	9/16	
QEBEL1214	3/4	7/8	
QEBEL1217	3/4	1 1/16	
QEBEL1221	3/4	1 5/16	
QEBEL1612	1	3/4	
QEBEL1614	1	7/8	
QEBEL1617	1	1 1/16	
QEBEL1621	1	1 5/16	
QEBEL1626	1	1 5/8	
QEBEL2017	1 1/4	1 1/16	
QEBEL2021	1 1/4	1 5/16	
QEBEL2026	1 1/4	1 5/8	
QEBEL2030	1 1/4	1 7/8	
QEBEL2426	1 1/2	1 5/8	
QEBEL2430	1 1/2	1 7/8	
QEBEL2440	1 1/2	2 1/2	
QEBEL3240	2	2 1/2	

90 Degree Elbows

BSPT Male x UNO Male - 90°

Part Number	BSPT M	UNO M	
QEBEP0407	1/4	7/16	
QEBEP0409	1/4	9/16	
QEBEP0412	1/4	3/4	
QEBEP0609	3/8	9/16	
QEBEP0612	3/8	3/4	
QEBEP0614	3/8	7/8	
QEBEP0812	1/2	3/4	
QEBEP0814	1/2	7/8	
QEBEP0817	1/2	1 1/16	
QEBEP1214	3/4	7/8	
QEBEP1217	3/4	1 1/16	
QEBEP1621	1	1 5/16	

90 Degree Elbows



JIC Female Swivel x JIC Male - 90°

Part Number	JIC F	JIC M	
QEBKL07	7/16	7/16	
QEBKL08	1/2	1/2	
QEBKL09	9/16	9/16	
QEBKL12	3/4	3/4	
QEBKL1214	3/4	7/8	
QEBKL14	7/8	7/8	
QEBKL1412	7/8	3/4	
QEBKL1417	7/8	1 1/16	
QEBKL17	1 1/16	1 1/16	
QEBKL21	1 5/16	1 5/16	
QEBKL26	1 5/8	1 5/8	
QEBKL30	1 7/8	1 7/8	
QEBKL40	2 1/2	2 1/2	

90 Degree Elbows

JIC Female Swivel x UNO Male - 90°

Part Number	JIC F	UNO M	
QEBKP09	9/16	9/16	
QEBKP0912	9/16	3/4	
QEBKP12	3/4	3/4	
QEBKP1214	3/4	7/8	
QEBKP14	7/8	7/8	
QEBKP17	1 1/16	1 1/16	

90 Degree Elbows

JIC Male - 90°

Part Number	JIC M	JIC M	
QEBL07	7/16	7/16	
QEBL09	9/16	9/16	
QEBL12	3/4	3/4	
QEBL1209	3/4	9/16	
QEBL14	7/8	7/8	
QEBL1412	7/8	3/4	
QEBL17	1 1/16	1 1/16	
QEBL1714	1 1/16	7/8	
QEBL21	1 5/16	1 5/16	
QEBL26	1 5/8	1 5/8	
QEBL30	1 7/8	1 7/8	

90 Degree Elbows

JIC Male x Metric Male - 90°

Part Number	JIC M	Metric M	
QEBLR0914	9/16	14mm x1.5	
QEBLR0916	9/16	16mm x 1.5	
QEBLR0918	9/16	18mm x 1.5	
QEBLR1216	3/4	16mm x 1.5	
QEBLR1218	3/4	18mm x 1.5	
QEBLR1222	3/4	22mm x 1.5	
QEBLR1420	7/8	20mm x 1.5	
QEBLR1422	7/8	22mm x1.5	
QEBLR1722	1 1/16	22mm x 1.5	
QEBLR1727	1 1/16	27mm x 2	
QEBLR1727-1.5MM	1 1/16	27mm x 1.5	
QEBLR2127	1 5/16	27mm x 2	
QEBLR2133	1 5/16	33mm x 2	
QEBLR2642	1 5/8	42mm x 2	

90 Degree Elbows

JIC Male x NPT Male - 90°

Part Number	JIC M	NPT M	
QEBLU0702	7/16	1/8	
QEBLU0704	7/16	1/4	
QEBLU0902	9/16	1/8	
QEBLU0904	9/16	1/4	
QEBLU0906	9/16	3/8	
QEBLU0908	9/16	1/2	
QEBLU0912	9/16	3/4	
QEBLU12	3/4	3/4	
QEBLU1206	3/4	3/8	
QEBLU1208	3/4	1/2	
QEBLU1408	7/8	1/2	
QEBLU1712	1 1/16	3/4	
QEBLU1716	1 1/16	1	
QEBLU2116	1 5/16	1	
QEBLU2120	1 5/16	1 1/4	
QEBLU2124	1 5/16	1 1/2	
QEBLU2620	1 5/8	1 1/4	
QEBLU3024	1 7/8	1 1/2	
QEBLU4032	2 1/2	2	

JIC Male x UNO Male - 90°

Part Number	JIC M	UNO M	
QEBLP07	7/16	7/16	
QEBLP0709	7/16	9/16	
QEBLP0712	7/16	3/4	
QEBLP08	1/2	1/2	
QEBLP09	9/16	9/16	
QEBLP0907	9/16	7/16	
QEBLP0908	9/16	1/2	
QEBLP0912	9/16	3/4	
QEBLP0914	9/16	7/8	
QEBLP0917	9/16	1 1/16	
QEBLP12	3/4	3/4	
QEBLP1207	3/4	7/16	
QEBLP1209	3/4	9/16	
QEBLP1214	3/4	7/8	
QEBLP1217	3/4	1 1/16	
QEBLP1221	3/4	1 5/16	
QEBLP14	7/8	7/8	
QEBLP1409	7/8	9/16	
QEBLP1412	7/8	3/4	
QEBLP1417	7/8	1 1/16	
QEBLP1421	7/8	1 5/16	
QEBLP17	1 1/16	1 1/16	
QEBLP1712	1 1/16	3/4	
QEBLP1714	1 1/16	7/8	
QEBLP1721	1 1/16	1 5/16	
QEBLP1726	1 1/16	1 5/8	
QEBLP1730	1 1/16	1 7/8	
QEBLP21	1 5/16	1 5/16	
QEBLP2114	1 5/16	7/8	
QEBLP2117	1 5/16	1 1/16	
QEBLP2126	1 5/16	1 5/8	
QEBLP26	1 5/8	1 5/8	
QEBLP2621	1 5/8	1 5/16	
QEBLP30	1 7/8	1 7/8	

90 Degree Elbows

JIS Metric Female Swivel Komatsu x JIS Metric Male Komatsu - 90°

Part Number	JIS F (Metric)	JIS M (Metric)	
QEBMN14	14mm x1.5	14mm x1.5	
QEBMN16	16mm x 1.5	16mm x 1.5	
QEBMN18	18mm x 1.5	18mm x 1.5	
QEBMN22	22mm x 1.5	22mm x 1.5	
QEBMN24	24mm x 1.5	24mm x 1.5	
QEBMN30	30mm x 1.5	30mm x 1.5	

90 Degree Elbows

NPT Female Solid - 90°

Part Number	NPT F	NPT F	
QEBTS02	1/8	1/8	
QEBTS04	1/4	1/4	
QEBTS06	3/8	3/8	
QEBTS08	1/2	1/2	
QEBTS12	3/4	3/4	
QEBTS16	1	1	
QEBTS20	1 1/4	1 1/4	
QEBTS32	2	2	

90 Degree Elbows

NPT Female Solid x NPT Male - 90°

Part Number	NPT F	NPT M	
QEBTSU02	1/8	1/8	
QEBTSU04	1/4	1/4	
QEBTSU06	3/8	3/8	
QEBTSU08	1/2	1/2	
QEBTSU12	3/4	3/4	
QEBTSU16	1	1	

90 Degree Elbows

NPT Female Swivel x NPT Male - 90°

Part Number	NPT F S/W	NPT M	
QEBTU02	1/8	1/8	
QEBTU04	1/4	1/4	
QEBTU06	3/8	3/8	

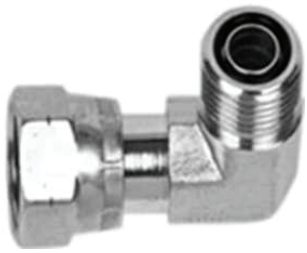
90 Degree Elbows

NPT Male - 90°

Part Number	NPT M	NPT M	
QEBU02	1/8	1/8	
QEBU04	1/4	1/4	
QEBU06	3/8	3/8	
QEBU0604	3/8	1/4	
QEBU08	1/2	1/2	
QEBU0806	1/2	3/8	
QEBU12	3/4	3/4	
QEBU16	1	1	

90 Degree Elbows

ORFS Female Swivel x ORFS Male - 90°



Part Number	ORFS F	ORFS M	
QEBVW09	9/16	9/16	
QEBVW11	11/16	11/16	
QEBVW13	13/16	13/16	
QEBVW16	1	1	
QEBVW19	1 3/16	1 3/16	
QEBVW23	1 7/16	1 7/16	
QEBVW27	1 11/16	1 11/16	

90 Degree Elbows

ORFS Male - 90°

Part Number	ORFS M	ORFS M	
QEBW09	9/16	9/16	
QEBW11	11/16	11/16	
QEBW13	13/16	13/16	
QEBW16	1	1	
QEBW19	1 3/16	1 3/16	

90 Degree Elbows

SAE Female Swivel x SAE Male - 90°

Part Number	SAE F	SAE M	
QEBSFSM10	5/8	5/8	

90 Degree Elbows

UNO Male x ORFS Male - 90°

Part Number	UNO M	ORFS M	
QEBPW0709	7/16	9/16	
QEBPW0711	7/16	11/16	
QEBPW09	9/16	9/16	
QEBPW0911	9/16	11/16	
QEBPW0913	9/16	13/16	
QEBPW1211	3/4	11/16	
QEBPW1213	3/4	13/16	
QEBPW1413	7/8	13/16	
QEBPW1416	7/8	1	
QEBPW1713	1 1/16	13/16	
QEBPW1719	1 1/16	1 3/16	
QEBPW2119	1 5/16	1 3/16	
QEBPW2123	1 5/16	1 7/16	
QEBPW2127	1 5/16	1 11/16	

Elbow Block Long Drop

90 Degree Elbows

JIC Male x NPT Male Extended Elbow - 90°

Part Number	JIC M	NPT M	Drop Length
QLEBLU0702-E30	7/16	1/8	30mm
QLEBLU0702-E40	7/16	1/8	40mm
QLEBLU0704-E40	7/16	1/4	40mm

90 Degree Elbows

JIC Male x UNO Male Extended Elbow - 90°

Part Number	JIC M	UNO M	Drop Length
QLEBLP09-E53	9/16	9/16	53mm
QLEBLP12-E63	3/4	3/4	63mm
QLEBLP1214-E55	3/4	7/8	55mm
QLEBLP1214-E73	3/4	7/8	73mm
QLEBLP1412-E73	7/8	3/4	73mm
QLEBLP1414-E73	7/8	7/8	73mm

Elbow Tube

90 Degree Elbows

Code 61 Flange x JIC Male - 90°

Part Number	C61 Flange	JIC M	Drop Length
QETFL0812	1/2	3/4	45.0mm
QETFL12	3/4	3/4	58.0mm
QETFL1214	3/4	7/8	53.0mm
QETFL1217-58MM	3/4	1 1/16	58.0mm
QETFL1221	3/4	1 5/16	60.0mm
QETFL1617-58MM	1	1 1/16	58.0mm
QETFL1621-70MM	1	1 5/16	70.0mm
QETFL2021	1 1/4	1 5/16	70.0mm
QETFL2026	1 1/4	1 5/8	90.0mm
QETFL2426	1 1/2	1 5/8	90.0mm
QETFL2430-104MM	1 1/2	1 7/8	104.0mm
QETFL3240	2	2 1/2	120.0mm

90 Degree Elbows

Code 62 Flange x JIC Male - 90°

Part Number	C62 Flange	JIC M	Drop Length
QETGL1217-58MM	3/4	1 1/16	58.0mm
QETGL1221	3/4	1 5/16	60.0mm
QETGL1617	1	1 1/16	58.0mm
QETGL1621-70MM	1	1 5/16	70.0mm
QETGL2017	1 1/4	1 1/16	70.0mm
QETGL2021	1 1/4	1 5/16	70.0mm
QETGL2026-90MM	1 1/4	1 5/8	90.0mm
QETGL2426	1 1/2	1 5/8	90.0mm
QETGL2430	1 1/2	1 7/8	104.0mm
QETGL3240	2	2 1/2	124.0mm

90 Degree Elbows

Code 62 Flange x ORFS Male - 90°

Part Number	C62 Flange	ORFS M	Drop Length
QETGW1219	3/4	1 3/16	58.0mm
QETGW1223	3/4	1 7/16	70.0mm
QETGW1623	1	1 7/16	70.0mm
QETGW2027	1 1/4	1 11/16	82.0mm

90 Degree Elbows

JIC Female x JIC Male - 90°

Part Number	JIC F	JIC M	Drop Length
QETKL07	7/16	7/16	21.0mm
QETKL09-24MM	9/16	9/16	24.0mm
QETKL12	3/4	3/4	31.0mm
QETKL14	7/8	7/8	34.0mm
QETKL17	1 1/16	1 1/16	53.0mm
QETKL20-70MM	1 5/16	1 5/16	70.0mm
QETKL26-85MM	1 5/8	1 5/8	85.0mm
QETKL30	1 7/8	1 7/8	110.0mm

Elbow Tube Long

90 Degree Elbows

Code 61 Flange x JIC Male - 90° Long Drop

Part Number	C61 Flange	JIC M	
QELFL1217D96	3/4	1 1/16	
QELFL1621D117	1	1 5/16	
QELFL2026D130	1 1/4	1 5/8	

90 Degree Elbows

Code 62 Flange x JIC Male - 90° Long Drop

Part Number	C62 Flange	JIC M	
QELGL1217D96	3/4	1 1/16	
QELGL1621D117	1	1 5/16	
QELGL2026D130	1 1/4	1 5/8	

90 Degree Elbows

JIC Female Swivel x JIC Male - 90° Long Drop

Part Number	JIC F	JIC M	Drop Length
QELKL07	7/16	7/16	46.0mm
QELKL09-55MM	9/16	9/16	55.0mm
QELKL12-62MM	3/4	3/4	62.0mm
QELKL14-65MM	7/8	7/8	65.0mm
QELKL17-95MM	1 1/16	1 1/16	95.0mm
QELKL21-107MM	1 5/16	1 5/16	107.0mm
QELKL26	1 5/8	1 5/8	130.0mm

Banjo Bolts

Banjo Bolts	BSPP			
	Part Number	BSPP F		
	BANJO B-BSP02	1/8		
	BANJO B-BSP04	1/4		
	BANJO B-BSP06	3/8		
	BANJO B-BSP08	1/2		
	BANJO B-BSP12	3/4		
	BANJO B-BSP16	1		

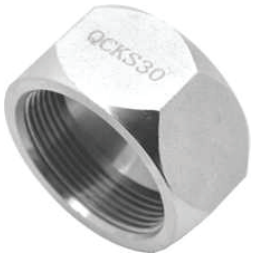
Banjo Bolts	Metric			
	Part Number	Metric F		
	BANJO B-M8	8mm x 1.5		
	BANJO B-M10	10mm x 1		
	BANJO B-M12	12mm x 1.5		
	BANJO B-M14	14mm x 1.5		
	BANJO B-M16	16mm x 1.5		
	BANJO B-M18	18mm x 1.5		
	BANJO B-M22	22mm x 1.5		
	BANJO B-M26	26mm x 1.5		
	BANJO B-M30	30mm x 2		

Caps

Caps	BSPP Female Swivel Nut			
	Part Number	BSPP F		
	QCA02	1/8		
	QCA04	1/4		
	QCA06	3/8		
	QCA08	1/2		
	QCA10	5/8		
	QCA12	3/4		
	QCA16	1		
	QCA20	1 1/4		
	QCA24	1 1/2		
	QCA32	2		

Caps

JIC Female Solid



Part Number	JIC F		
QCKS07	7/16		
QCKS09	9/16		
QCKS12	3/4		
QCKS14	7/8		
QCKS17	1 1/16		
QCKS21	1 5/16		
QCKS26	1 5/8		
QCKS30	1 7/8		
QCKS40	2 1/2		

Caps

JIC Female Swivel Nut

Part Number	JIC F		
QCK07	7/16		
QCK08	1/2		
QCK09	9/16		
QCK12	3/4		
QCK14	7/8		
QCK17	1 1/16		
QCK19	1 3/16		
QCK21	1 5/16		
QCK26	1 5/8		
QCK30	1 7/8		
QCK40	2 1/2		

Caps

JIS BSPP Female (Mitsubishi)

Part Number	JIS F (BSP)		
QCH04	1/4		
QCH06	3/8		
QCH08	1/2		

Caps

JIS Metric (Komatsu) Female

Part Number	JIS (KF)		
QCM14	14mm		
QCM16	16mm		
QCM18	18mm		
QCM20	20mm		
QCM22	22mm		
QCM24	24mm		
QCM26	26mm		
QCM30	30mm		
QCM33	33mm		

Caps

ORFS Female

Part Number	ORFS F		
QCV09	9/16		
QCV11	11/16		
QCV13	13/16		
QCV16	1		
QCV19	1 3/16		
QCV23	1 7/16		
QCV27	1 11/16		
QCV32	2		

Cross

Cross

BSPT Female Solid

Part Number	BSPT F		
QCRBS04	1/4		
QCRBS06	3/8		
QCRBS08	1/2		
QCRBS12	3/4		
QCRBS16	1		

Cross

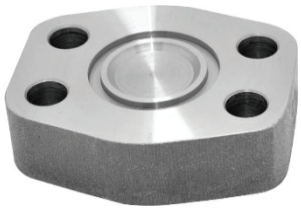
JIC Male Solid

Part Number	JIC M		
QCRL12	3/4		

Flange Block / Side Port

Code 61

Flange Block



Code 61 Flange Blanking Plate - with O-Ring Groove

Part Number	C61 Flange		
QFBF12-B-O	3/4		
QFBF16-B-O	1		
QFBF20-B-O	1 1/4		
QFBF24-B-O	1 1/2		
QFBF32-B-O	2		

Inc. Clearance Holes, O-Ring Groove is one side only.

Flange Block

Code 61 Flange Blanking Plate - UNC

Part Number	C61 Flange	UNC	
QFBF12-B-UNC	3/4	3/8 x 16	
QFBF16-B-UNC	1	3/8 x 16	
QFBF20-B-UNC	1 1/4	7/16 x 14	
QFBF24-B-UNC	1 1/2	1/2 x 13	
QFBF32-B-UNC	2	1/2 x 13	

Inc. UNC Threaded Bolt Holes

Flange Block

Code 61 Flange Block x BSPP Female - with O-Ring Groove

Part Number	BSPP F	Code 61	
BF3FA-08-O	1/2	1/2	
BF3FA-12-O	3/4	3/4	
BF3FA-20-O	1 1/4	1 1/4	
BF3FA-24-O	1 1/2	1 1/2	
BF3FA-32-O	2	2	
BF3FA-40-O	2 1/2	2 1/2	
BF3FA-48-O	3	3	

Includes Clearance Holes & O-Ring Groove

Flange Block

Code 61 Flange Block x BSPP Female - UNC

Part Number	BSPP F	Code 61	
BF3FB-08-UNC	1/2	1/2	
BF3FB-12-UNC	3/4	3/4	
BF3FB-16-UNC	1	1	
BF3FB-20-UNC	1 1/4	1 1/4	
BF3FB-24-UNC	1 1/2	1 1/2	
BF3FB-32-UNC	2	2	
BF3FB-40-UNC	2 1/2	2 1/2	
BF3FB-48-UNC	3	3	

Includes UNC Tapped Holes, No O-Ring Groove

Flange Block

Code 61 Flange Block x JIC Male

Part Number	JIC M	Code 61	
BF7FL0812-O	3/4	1/2	
BF7FL1217-O	1 1/16	3/4	
BF7FL1621-O	1 5/16	1	
BF7FL2026-O	1 5/8	1 1/4	
BF7FL2430-O	1 7/8	1 1/2	
BF7FL3240-O	2 1/2	2	

Includes Clearance Holes & O-Ring Groove

Flange Block

Code 61 Flange Block - Suit Imperial Pipe

Part Number	Pipe Size	Code 61	Pipe OD
BF1FA-32-O	2	2	2.375" (60.33mm)

Includes O-Ring Groove & Clearance Holes

Flange Block

Code 61 Flange Block UNC - Suit Imperial Pipe

Part Number	Pipe Size	Code 61	Pipe OD
BF1FB-32-UNC	2	2	2.375" (60.33mm)

Does Not Include O-Ring Groove

Flange Block

Code 61 Flange Block - Suit Imperial Tube

Part Number	Pipe Size	Code 61	Pipe OD
BF2FA-20-O	1 1/4	1 1/4	1 1/4
BF2FA-32-O	2	2	2

Includes O-Ring Groove & Clearance Holes

Flange Block

Code 61 Flange Block UNC - Suit Imperial Tube

Part Number	Pipe Size	Code 61	Tube OD
BF2FB-20-UNC	1 1/4	1 1/4	1 1/4
BF2FB-32-UNC	2	2	2

Does Not Include O-Ring Groove

Flange Block / Side Port

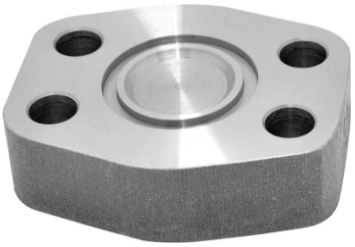
Code 61 x BSPP Female Side Port Adaptor

Part Number	BSPP F	Code 61	
BF4AF-1604	1/4	1	

Code 62

Flange Block

Code 62 Flange Blanking Plate - with O Ring



Part Number	C62 Flange		
QFBG12-B-O	3/4		
QFBG16-B-O	1		
QFBG20-B-O	1 1/4		
QFBG24-B-O	1 1/2		
QFBG32-B-O	2		

Clearance Holes, O-Ring is one side only.

Flange Block

Code 62 Flange Blanking Plate - UNC

Part Number	C62 Flange	UNC	
QFBG12-B-UNC	3/4	3/8 x 16	
QFBG16-B-UNC	1	7/16 x 14	
QFBG20-B-UNC	1 1/4	1/2 x 13	
QFBG24-B-UNC	1 1/2	5/8 x 14	
QFBG32-B-UNC	2	3/4 x 10	

Inc. UNC Threaded Bolt Holes

Flange Block

Code 62 Flange Block x BSPP Female - O-Ring

Part Number	BSPP F	Code 62	
BF3GA-08-O	1/2	1/2	
BF3GA-12-O	3/4	3/4	
BF3GA-16-O	1	1	
BF3GA-20-O	1 1/4	1 1/4	
BF3GA-24-O	1 1/2	1 1/2	
BF3GA-32-O	2	2	

Includes Clearance Holes & O-Ring Groove

Flange Block

Code 62 Flange Block x BSPP Female - UNC

Part Number	BSPP F	Code 62	
BF3GB-08-UNC	1/2	1/2	
BF3GB-12-UNC	3/4	3/4	
BF3GB-16-UNC	1	1	
BF3GB-20-UNC	1 1/4	1 1/4	
BF3GB-24-UNC	1 1/2	1 1/2	
BF3GB-32-UNC	2	2	

Includes UNC Tapped Holes, No O-Ring Groove

Flange Block

Code 62 Flange Block x JIC Male - O-Ring

Part Number	JIC M	Code 62	
BF7GL0812-O	3/4	1/2	
BF7GL1217-O	1 1/16	3/4	
BF7GL1621-O	1 5/16	1	
BF7GL2026-O	1 5/8	1 1/4	
BF7GL2430-O	1 7/8	1 1/2	
BF7GL3240-O	2 1/2	2	

Includes Clearance Holes & O-Ring Groove

Flange Clamps

Bolt Set Code 61

Flange Clamps

Code 61 Allen Head Bolt Set Metric

Part Number	C61 Flange	Metric	
QFCF08-BOLT-C-M	1/2	8mm x 1.25 x30	
QFCF12/16-BOLT-C-M	3/4 - 1	10mm x 1.5 x 30	
QFCF20-BOLT-C-M	1 1/4	10mm x 1.5 x 40	
QFCF24/32-BOLT-C-M	1 1/2 - 2	12mm x 1.75 x 40	
QFCF40-BOLT-C-M	2 1/2	12mm x 1.75 x 45	

Flange Clamps

Code 61 Hex Bolt Set - UNC

Part Number	C61 Flange	UNC	
QFCF08-BOLT-UNC	1/2	5/16 x 18 1 1/4	
QFCF12/16-BOLT-UNC	3/4 - 1	3/8 x 16 x 1 1/4	
QFCF20-BOLT-UNC	1 1/4	7/16 x 14 x 1 1/2	
QFCF24-BOLT-UNC	1 1/2	1/2 x 13 x 1 1/2	
QFCF32-BOLT-UNC	2	1/2 x 13 x 1 1/2	
QFCF40-BOLT-UNC	2 1/2	1/2 x 13 x 1 3/4	

Bolt Set Code 62

Flange Clamps

Code 62 Flange Bolt Set ONLY - Metric

Part Number	C62 Flange	Metric	
QFCG12-BOLT-C-M	3/4	10mm x 1.5 x 35	
QFCG16-BOLT-C-M	1	12mm x 1.75 x 45	
QFCG20-BOLT-C-M	1 1/4	14mm x 2 x 45	
QFCG24-BOLT-C-M	1 1/2	16mm x 2 x 55	
QFCG32-BOLT-C-M	2	20mm x 2.5 x 70	

Flange Clamps

Code 62 Flange Bolt Set ONLY - UNC

Part Number	C62 Flange	UNC	
QFCG12-BOLT-UNC	3/4	3/8 x 16 x 1 1/2	
QFCG16-BOLT-UNC	1	7/16 x 14 x 1 3/4	
QFCG20-BOLT-UNC	1 1/4	1/2 x 13 x 1 3/4	
QFCG24-BOLT-UNC	1 1/2	5/8 x 11 x 2 1/4	
QFCG32-BOLT-UNC	2	3/4 x 10 x 2 3/4	

Clamps Including Bolts

Flange Clamps

Code 61 Flange Clamp Set including Bolts - UNC

Part Number	C61 Flange	UNC	
QFCF64-UNC	4	5/8 x 11 x 2	

Flange Clamps

Code 62 Flange Including Bolt Set - Metric

Part Number	C62 Flange	Metric	
QFCG20-METRIC	1 1/4	14mm x 2 x 45	

Clamps Only

Flange Clamps

Caterpillar Flange Clamp - NO BOLTS

Part Number	CAT Flange		
QFCG12CAT-UNC	3/4		
QFCG16CAT-UNC	1		
QFCG20CAT-UNC	1 1/4		
QFCG24CAT-UNC	1 1/2		
QFCG32CAT-UNC	2		

Flange Clamps

Code 61 Flange Clamp

Part Number	C61 Flange		
QFCF08	1/2		
QFCF12	3/4		
QFCF16	1		
QFCF20	1 1/4		
QFCF24	1 1/2		
QFCF32	2		
QFCF40	2 1/2		
QFCF48	3		

Flange Clamps	Code 62 Flange Clamp			
	Part Number	C62 Flange		
	QFCG08	1/2		
	QFCG12	3/4		
	QFCG16	1		
	QFCG20	1 1/4		
	QFCG24	1 1/2		
	QFCG32	2		

Plugs

Plugs	BSPP Male			
	Part Number	BSPP M		
	QPD02	1/8		
	QPD04	1/4		
	QPD06	3/8		
	QPD08	1/2		
	QPD10	5/8		
	QPD12	3/4		
	QPD16	1		
	QPD20	1 1/4		
	QPD24	1 1/2		
	QPD32	2		

Plugs	BSPP Male Allen Head (ED Seal)			
	Part Number	BSPP M		
	QPD02A	1/8		
	QPD04A	1/4		
	QPD06A	3/8		
	QPD08A	1/2		
	QPD12A	3/4		
	QPD16A	1		
	QPD20A	1 1/4		
	QPD24A	1 1/2		

Plugs

BSPT Male

Part Number	BSPT M		
QPE02	1/8		
QPE04	1/4		
QPE06	3/8		
QPE08	1/2		
QPE10	5/8		
QPE12	3/4		
QPE16	1		
QPE20	1 1/4		
QPE24	1 1/2		
QPE32	2		

Plugs

BSPT Male - Counter Sunk

Part Number	BSPT M		
QPE-02-CS	1/8		
QPE-04-CS	1/4		
QPE-06-CS	3/8		
QPE-12-CS	3/4		
QPE-16-CS	1		

Plugs

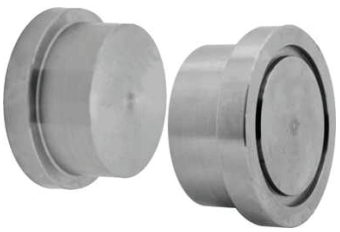
Code 61 Flange Disc

Part Number	C61 Flange		
QFBF08	1/2		
QFBF12	3/4		
QFBF16	1		
QFBF20	1 1/4		
QFBF24	1 1/2		
QFBF32	2		

Used With QFCF Clamps

Plugs

Code 62 Flange Disc



Part Number	C62 Flange		
QFBG08	1/2		
QFBG12	3/4		
QFBG16	1		
QFBG20	1 1/4		
QFBG24	1 1/2		
QFBG32	2		

Used With QFCG Clamps

Plugs

JIC Male

Part Number	JIC M		
QPL07	7/16		
QPL08	1/2		
QPL09	9/16		
QPL12	3/4		
QPL14	7/8		
QPL17	1 1/16		
QPL19	1 3/16		
QPL21	1 5/16		
QPL26	1 5/8		
QPL30	1 7/8		
QPL40	2 1/2		

Plugs

JIS Imperial BSP Male (Mitsubishi)

Part Number	JIS (BSP)		
QPJ04	1/4		
QPJ06	3/8		
QPJ08	1/2		

Plugs

JIS Metric Male (Komatsu)

Part Number	JIS (Metric)		
QPN12	12mm		
QPN14	14mm		
QPN16	16mm		
QPN18	18mm		
QPN20	20mm		
QPN22	22mm		
QPN24	24mm		
QPN26	26mm		
QPN30	30mm		
QPN33	33mm		

Plugs

Metric Male Port Plug

Part Number	Metric M		
QPR1215	12mm x 1.5		
QPR1415	14mm x 1.5		
QPR1615	16mm x 1.5		
QPR1815	18mm x 1.5		
QPR2015	20mm x 1.5		
QPR2215	22mm x 1.5		
QPR2415	24mm x 1.5		
QPR2615	26mm x 1.5		
QPR3015	30mm x 1.5		
QPR3020	30mm x 2		
QPR3315	33mm x 1.5		
QPR3320	33mm x 2		
QPR3615	36mm x 1.5		
QPR3620	36mm x 2		
QPR4220	42mm x 2		
QPR4520	45mm x 2		
QPR5220	52mm x 2		

Plugs

NPT Male

Part Number	NPT M		
QPU02	1/8		
QPU04	1/4		
QPU06	3/8		
QPU08	1/2		
QPU12	3/4		
QPU16	1		
QPU20	1 1/4		
QPU24	1 1/2		
QPU32	2		

Plugs

NPT Male - Counter Sunk

Part Number			
QPU-02-CS	1/8		
QPU-04-CS	1/4		
QPU-06-CS	3/8		
QPU-08-CS	1/2		
QPU-12-CS	3/4		
QPU-16-CS	1		

Plugs	ORFS Male			
	Part Number	ORFS M		
	QPW09	9/16		
	QPW11	11/16		
	QPW13	13/16		
	QPW16	1		
	QPW19	1 3/16		
	QPW23	1 7/16		
	QPW27	1 11/16		

Plugs	UNO Male Allen Head			
	Part Number	UNO M		
	QPP05A	5/16		
	QPP06A	3/8		
	QPP07A	7/16		
	QPP08A	1/2		
	QPP09A	9/16		
	QPP12A	3/4		
	QPP14A	7/8		
	QPP17A	1 1/16		
	QPP21A	1 5/16		
	QPP26A	1 5/8		

Plugs	UNO Male Hex			
	Part Number	UNO M		
	QPP07	7/16		
	QPP09	9/16		
	QPP12	3/4		
	QPP14	7/8		
	QPP17	1 1/16		
	QPP21	1 5/16		
	QPP26	1 5/8		

Tee Piece

Branch Tee

Tee Piece

BSPT Male x BSPT Male x BSPP Female Swivel - Branch Tee

Part Number	❶ BSPT M	❷ BSPT M	❸ BSPP F
QTEEEA04	1/4	1/4	1/4
QTEEEA06	3/8	3/8	3/8
QTEEEA08	1/2	1/2	1/2
QTEEEA12	3/4	3/4	3/4
QTEEEA16	1	1	1

Tee Piece

JIC Male x JIC Male x BSPP Male - Branch Tee

Part Number	❶ JIC M	❷ JIC M	❸ BSPP M
QTELLD070704	7/16	7/16	1/4
QTELLD090904	9/16	9/16	1/4
QTELLD090906	9/16	9/16	3/8
QTELLD121208	3/4	3/4	1/2
QTELLD141408	7/8	7/8	1/2
QTELLD171712	1 1/16	1 1/16	3/4
QTELLD212116	1 5/16	1 5/16	1

Tee Piece

JIC Male x JIC Male x BSPT Male - Branch Tee

Part Number	❶ JIC M	❷ JIC M	❸ BSPT M
QTELLE070702	7/16	7/16	1/8
QTELLE090904	9/16	9/16	1/4
QTELLE090906	9/16	9/16	3/8
QTELLE121206	3/4	3/4	3/8
QTELLE121208	3/4	3/4	1/2
QTELLE141408	7/8	7/8	1/2
QTELLE171712	1 1/16	1 1/16	3/4
QTELLE212116	1 5/16	1 5/16	1

Tee Piece

JIC Male x JIC Male x JIC Female - Branch Tee

Part Number	❶ JIC M	❷ JIC M	❸ JIC F
QTELLK07	7/16	7/16	7/16
QTELLK08	1/2	1/2	1/2
QTELLK09	9/16	9/16	9/16
QTELLK12	3/4	3/4	3/4
QTELLK14	7/8	7/8	7/8
QTELLK17	1 1/16	1 1/16	1 1/16
QTELLK21	1 5/16	1 5/16	1 5/16
QTELLK26	1 5/8	1 5/8	1 5/8
QTELLK30	1 7/8	1 7/8	1 7/8

Tee Piece

JIC Male x JIC Male x JIC Bulkhead Male - Branch Tee

Part Number	❶ JIC M	❷ JIC M	❸ JIC M B/H
QTELLBL09	9/16	9/16	9/16
QTELLBL12	3/4	3/4	3/4
QTELLBL14	7/8	7/8	7/8
QTELLBL17	1 1/16	1 1/16	1 1/16
QTELLBL21	1 5/16	1 5/16	1 5/16

Tee Piece

JIC Male x JIC Male x NPT Male - Branch Tee

Part Number	❶ JIC M	❷ JIC M	❸ NPT M
QTELLU070702	7/16	7/16	1/8
QTELLU090904	9/16	9/16	1/4
QTELLU121206	3/4	3/4	3/8

Tee Piece

JIC Male x JIC Male x UNO Male - Branch Tee

Part Number	❶ JIC M	❷ JIC M	❸ UNO M
QTELLP07	7/16	7/16	7/16
QTELLP09	9/16	9/16	9/16
QTELLP12	3/4	3/4	3/4
QTELLP121214	3/4	3/4	7/8
QTELLP14	7/8	7/8	7/8
QTELLP17	1 1/16	1 1/16	1 1/16
QTELLP21	1 5/16	1 5/16	1 5/16

Tee Piece	NPT Female x NPT Female x NPT Male - Branch Tee		
Part Number	❶ NPT F	❷ NPT F	❸ NPT M
QTETSTSU16	1	1	1

Tee Piece	NPT Male x NPT Male x NPT Female - Branch Tee		
Part Number	❶ NPT M	❷ NPT M	❸ NPT F
QTEUUTS20	1 1/4	1 1/4	1 1/4

Tee Piece	ORFS Male x ORFS Male x ORFS Female - Branch Tee		
Part Number	❶ ORFS M	❷ ORFS M	❸ ORFS F
QTEWWV09	9/16	9/16	9/16
QTEWWV11	11/16	11/16	11/16
QTEWWV13	13/16	13/16	13/16
QTEWWV16	1	1	1
QTEWWV19	1 3/16	1 3/16	1 3/16
QTEWWV23	1 7/16	1 7/16	1 7/16

Equal Female

Tee Piece	BSPP Female Solid		
Part Number	❶ BSPP F	❷ BSPP F	❸ BSPP F
QTEAS04	1/4	1/4	1/4
QTEAS06	3/8	3/8	3/8
QTEAS08	1/2	1/2	1/2
QTEAS12	3/4	3/4	3/4
QTEAS16	1	1	1
QTEAS32	2	2	2

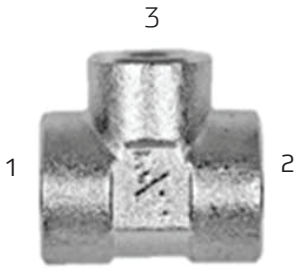
Tee Piece

BSPT Female Solid

Part Number	❶ BSPT F	❷ BSPT F	❸ BSPT F
QTEBS02	1/8	1/8	1/8
QTEBS04	1/4	1/4	1/4
QTEBS06	3/8	3/8	3/8
QTEBS08	1/2	1/2	1/2
QTEBS12	3/4	3/4	3/4
QTEBS16	1	1	1
QTEBS20	1 1/4	1 1/4	1 1/4
QTEBS24	1 1/2	1 1/2	1 1/2
QTEBS32	2	2	2

Tee Piece

NPT Female - Solid



Part Number	❶ NPT F	❷ NPT F	❸ NPT F
QTETS02	1/8	1/8	1/8
QTETS04	1/4	1/4	1/4
QTETS06	3/8	3/8	3/8
QTETS08	1/2	1/2	1/2
QTETS12	3/4	3/4	3/4
QTETS16	1	1	1
QTETS20	1 1/4	1 1/4	1 1/4
QTETS24	1 1/2	1 1/2	1 1/2
QTETS32	2	2	2

Equal Male

Tee Piece

BSPT Male

Part Number	❶ BSPT M	❷ BSPT M	❸ BSPT M
QTEE02	1/8	1/8	1/8
QTEE04	1/4	1/4	1/4
QTEE06	3/8	3/8	3/8
QTEE08	1/2	1/2	1/2
QTEE12	3/4	3/4	3/4
QTEE16	1	1	1
QTEE20	1 1/4	1 1/4	1 1/4

Tee Piece — JIC Male

Part Number	❶ JIC M	❷ JIC M	❸ JIC M
QTEL07	7/16	7/16	7/16
QTEL09	9/16	9/16	9/16
QTEL090912	9/16	9/16	3/4
QTEL12	3/4	3/4	3/4
QTEL121209	3/4	3/4	9/16
QTEL121214	3/4	3/4	7/8
QTEL14	7/8	7/8	7/8
QTEL17	1 1/16	1 1/16	1 1/16
QTEL21	1 5/16	1 5/16	1 5/16
QTEL212117	1 5/16	1 5/16	1 1/16
QTEL26	1 5/8	1 5/8	1 5/8
QTEL30	1 7/8	1 7/8	1 7/8
QTEL40	2 1/2	2 1/2	2 1/2

Tee Piece — NPT Male

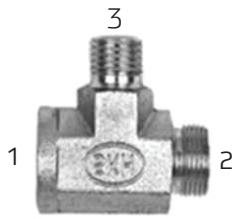
Part Number	❶ NPT M	❷ NPT M	❸ NPT M
QTEU02	1/8	1/8	1/8
QTEU04	1/4	1/4	1/4
QTEU06	3/8	3/8	3/8
QTEU08	1/2	1/2	1/2
QTEU12	3/4	3/4	3/4
QTEU16	1	1	1

Tee Piece — ORFS Male

Part Number	❶ ORFS M	❷ ORFS M	❸ ORFS M
QTEW09	9/16	9/16	9/16
QTEW11	11/16	11/16	11/16
QTEW13	13/16	13/16	13/16
QTEW16	1	1	1
QTEW19	1 3/16	1 3/16	1 3/16
QTEW23	1 7/16	1 7/16	1 7/16

Run Tee

Tee Piece



BSPP Female Solid x BSPP Male x BSPP Male - Run Tee

Part Number	❶ BSPP F	❷ BSPP M	❸ BSPP M
QTEASDD04	1/4	1/4	1/4
QTEASDD06	3/8	3/8	3/8
QTEASDD08	1/2	1/2	1/2
QTEASDD12	3/4	3/4	3/4

Tee Piece

BSPP Female Swivel x BSPT Male x BSPT Male - Run Tee

Part Number	❶ BSPP F	❷ BSPT M	❸ BSPT M
QTEAEE02	1/8	1/8	1/8
QTEAEE04	1/4	1/4	1/4
QTEAEE06	3/8	3/8	3/8
QTEAEE08	1/2	1/2	1/2
QTEAEE12	3/4	3/4	3/4
QTEAEE16	1	1	1
QTEAEE20	1 1/4	1 1/4	1 1/4
QTEAEE24	1 1/2	1 1/2	1 1/2
QTEAEE32	2	2	2

Tee Piece

BSPP Male x BSPT Male x BSPT Male - Run Tee

Part Number	❶ BSPP M	❷ BSPT M	❸ BSPT M
QTEDEE04	1/4	1/4	1/4
QTEDEE08	1/2	1/2	1/2

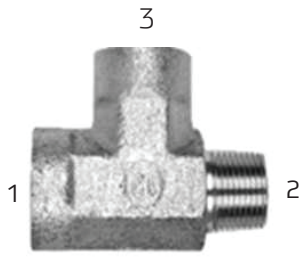
Tee Piece

BSPP Male x JIC Male x JIC Male - Run Tee

Part Number	❶ BSPP M	❷ JIC M	❸ JIC M
QTEDLL040707	1/4	7/16	7/16
QTEDLL040909	1/4	9/16	9/16
QTEDLL060909	3/8	9/16	9/16
QTEDLL061212	3/8	3/4	3/4
QTEDLL081212	1/2	3/4	3/4
QTEDLL081414	1/2	7/8	7/8
QTEDLL121717	3/4	1 1/16	1 1/6
QTEDLL162121	1	1 5/16	1 5/16

Tee Piece

BSPT Female x BSPT Male x BSPT Female - Run Tee



Part Number	❶ BSPT F	❷ BSPT M	❸ BSPT F
QTEBSEBS02	1/8	1/8	1/8
QTEBSEBS04	1/4	1/4	1/4
QTEBSEBS06	3/8	3/8	3/8
QTEBSEBS08	1/2	1/2	1/2
QTEBSEBS12	3/4	3/4	3/4
QTEBSEBS16	1	1	1
QTEBSEBS20	1 1/4	1 1/4	1 1/4

Tee Piece

BSPT Male x JIC Male x JIC Male - Run Tee

Part Number	❶ BSPT M	❷ JIC M	❸ JIC M
QTEELL020707	1/8	7/16	7/16
QTEELL040707	1/4	7/16	7/16
QTEELL040909	1/4	9/16	9/16
QTEELL060909	3/8	9/16	9/16
QTEELL061212	3/8	3/4	3/4
QTEELL081212	1/2	3/4	3/4
QTEELL081414	1/2	7/8	7/8
QTEELL121717	3/4	1 1/16	1 1/16
QTEELL162121	1	1 5/16	1 5/16

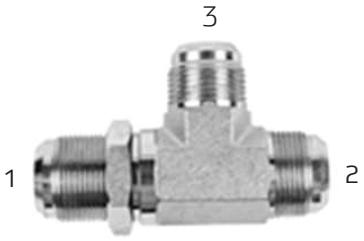
Tee Piece

JIC Female Swivel x JIC Male x JIC Male - Run Tee

Part Number	❶ JIC F	❷ JIC M	❸ JIC M
QTEKLL07	7/16	7/16	7/16
QTEKLL08	1/2	1/2	1/2
QTEKLL09	9/16	9/16	9/16
QTEKLL12	3/4	3/4	3/4
QTEKLL120909	3/4	9/16	9/16
QTEKLL121209	3/4	3/4	9/16
QTEKLL14	7/8	7/8	7/8
QTEKLL141409	7/8	7/8	9/16
QTEKLL141412	7/8	7/8	3/4
QTEKLL17	1 1/16	1 1/16	1 1/16
QTEKLL171414	1 1/16	7/8	7/8
QTEKLL171714	1 1/16	1 1/16	7/8
QTEKLL21	1 5/16	1 5/16	1 5/16
QTEKLL211717	1 5/16	1 1/16	1 1/16
QTEKLL212117	1 5/16	1 5/16	1 1/16
QTEKLL26	1 5/8	1 5/8	1 5/8
QTEKLL30	1 7/8	1 7/8	1 7/8
QTEKLL40	2 1/2	2 1/2	2 1/2

Tee Piece

JIC Male Bulkhead x JIC Male x JIC Male - Run Tee



Part Number	❶ JIC M BH	❷ JIC M	❸ JIC M
QTEBLLL09	9/16	9/16	9/16
QTEBLLL12	3/4	3/4	3/4
QTEBLLL14	7/8	7/8	7/8
QTEBLLL17	1 1/16	1 1/16	1 1/16
QTEBLLL21	1 5/16	1 5/16	1 5/16
QTEBLLL26	1 5/8	1 5/8	1 5/8
QTEBLLL30	1 7/8	1 7/8	1 7/8

Tee Piece

JIC Male x UNO Male x JIC Male - Run Tee

Part Number	❶ JIC M	❷ UNO M	❸ JIC M
QTELPL07	7/16	7/16	7/16
QTELPL09	9/16	9/16	9/16
QTELPL12	3/4	3/4	3/4
QTELPL121412	3/4	7/8	3/4
QTELPL14	7/8	7/8	7/8
QTELPL17	1 1/16	1 1/16	1 1/16
QTELPL172117	1 1/16	1 5/16	1 1/16
QTELPL21	1 5/16	1 5/16	1 5/16
QTELPL26	1 5/8	1 5/8	1 5/8

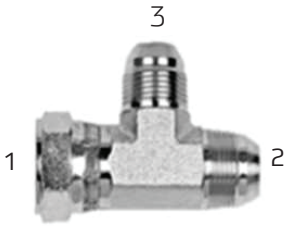
Tee Piece

JIC Male x NPT Male x JIC Male - Run Tee

Part Number	❶ JIC M	❷ NPT M	❸ JIC M
QTELUL262026	1 5/8	1 1/4	1 5/8

Tee Piece

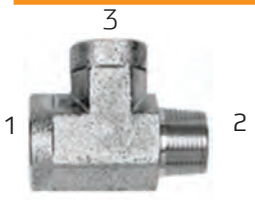
Komatsu JIS Female Swivel x JIS Male x JIS Male - Metric



Part Number	❶ JIS F	❷JIS M	❸ JIS M
QTEMNN14	14mm x 1.5	14mm x 1.5	14mm x 1.5
QTEMNN18	18mm x 1.5	18mm x 1.5	18mm x 1.5
QTEMNN22	22mm x 1.5	22mm x 1.5	22mm x 1.5
QTEMNN24	24mm x 1.5	24mm x 1.5	24mm x 1.5
QTEMNN30	30mm x 1.5	30mm x 1.5	30mm x 1.5

Tee Piece

NPT Female x NPT Male x NPT Female - Run Tee



Part Number	❶ NPT F	❷ NPT M	❸ NPT F
QTETSUTS04	1/4	1/4	1/4
QTETSUTS06	3/8	3/8	3/8
QTETSUTS08	1/2	1/2	1/2
QTETSUTS12	3/4	3/4	3/4
QTETSUTS16	1	1	1

Tee Piece

NPT Female Swivel x NPT Male x NPT Male - Run Tee

Part Number	❶ NPT F S/W	❷ NPT M	❸ NPT M
QTETUU06	3/8	3/8	3/8

Tee Piece

NPT Female Swivel x NPT Male x NPT Female - Run Tee

Part Number	❶ NPT F S/W	❷ NPT M	❸ NPT F
QTETUTS06	3/8	3/8	3/8
QTETUTS12	3/4	3/4	3/4

Tee Piece

ORFS Female x ORFS Male x ORFS Male - Run Tee

Part Number	❶ ORFS F	❷ ORFS M	❸ ORFS M
QTEVWW09	9/16	9/16	9/16
QTEVWW11	11/16	11/16	11/16
QTEVWW13	13/16	13/16	13/16
QTEVWW16	1	1	1
QTEVWW19	1 3/16	1 3/16	1 3/16
QTEVWW23	1 7/16	1 7/16	1 7/16
QTEVWW27	1 11/16	1 11/16	1 11/16

Test Port Adaptor

Tee Piece

BSPP Female x BSPP Male x UNO Female (SAE O Ring)

Part Number	❶ BSPP F	❷ BSPP M	❸ UNO F
QTEADPFS040407	1/4	1/4	7/16
QTEADPFS060607	3/8	3/8	7/16
QTEADPFS080807	1/2	1/2	7/16
QTEADPFS121207	3/4	3/4	7/16
QTEADPFS161607	1	1	7/16

Tee Piece	JIC Female Swivel x JIC Male x UNO Female		

Part Number	❶ JIC F	❷ JIC M	❸ UNO F
QTEKLPFS07	7/16	7/16	7/16
QTEKLPFS090907	9/16	9/16	7/16
QTEKLPFS121207	3/4	3/4	7/16
QTEKLPFS141407	7/8	7/8	7/16
QTEKLPFS171707	1 1/16	1 1/16	7/16
QTEKLPFS212107	1 5/16	1 5/16	7/16
QTEKLPFS262607	1 5/8	1 5/8	7/16

Tee Piece	UNO Female x ORFS Female x ORFS Male		

Part Number	❶ ORFS F S/W	❷ ORFS M	❸ UNO F
QTEVWPFS090907	9/16	9/16	7/16
QTEVWPFS111107	11/16	11/16	7/16
QTEVWPFS131307	13/16	13/16	7/16
QTEVWPFS161607	1	1	7/16
QTEVWPFS191907	1 3/16	1 3/16	7/16
QTEVWPFS232307	1 7/16	7/16	1 7/16

Tube Fittings Metric

90 Degree Elbow Male/Female Swivel

Tube Fittings Metric	Metric Female Swivel x Metric Tube - 90°		

Part Number	DIN	Tube OD	Thread Size
QTMA2-06L	L	6mm	12mm x 1.5
QTMA2-06S	S	6mm	14mm x 1.5
QTMA2-08L	L	8mm	14mm x 1.5
QTMA2-08S	S	8mm	16mm x 1.5
QTMA2-10L	L	10mm	16mm x 1.5
QTMA2-10S	S	10mm	18mm x 1.5
QTMA2-12L	L	12mm	18mm x 1.5
QTMA2-12S	S	12mm	20mm x 1.5
QTMA2-14S	S	14mm	22mm x 1.5
QTMA2-15L	L	15mm	22mm x 1.5
QTMA2-16S	S	16mm	24mm x 1.5
QTMA2-18L	L	18mm	26mm x 1.5
QTMA2-20S	S	20mm	30mm x 2
QTMA2-22L	L	22mm	30mm x 2

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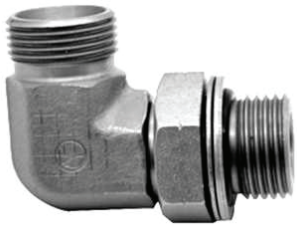
Metric Female Swivel x Metric Tube - 90° *Continued...*

QTMA2-25S	S	25mm	36mm x 2
QTMA2-28L	L	28mm	36mm x 2
QTMA2-30S	S	30mm	42mm x 2
QTMA2-35L	L	35mm	42mm x 2
QTMA2-38S	S	38mm	52mm x 2
QTMA2-42L	L	42mm	52mm x 2

90 Degree Elbow Male/Male

Tube Fittings Metric

Metric Tube x BSPP Male - 90°



Part Number	DIN	Tube OD	BSPP
QTMA1D-06S04	S	6mm	1/4
QTMA1D-08L04	L	8mm	1/4
QTMA1D-08S04	S	8mm	1/4
QTMA1D-10L04	L	10mm	1/4
QTMA1D-10S06	S	10mm	3/8
QTMA1D-12L06	L	12mm	3/8
QTMA1D-12S06	S	12mm	3/8
QTMA1D-14S08	S	14mm	1/2
QTMA1D-15L08	L	15mm	1/2
QTMA1D-16S08	S	16mm	1/2
QTMA1D-18L08	L	18mm	1/2
QTMA1D-20S12	S	20mm	3/4
QTMA1D-22L12	L	22mm	3/4
QTMA1D-25S16	S	25mm	1
QTMA1D-28L16	L	28mm	1
QTMA1D-30S20	S	30mm	1 1/4
QTMA1D-35L20	L	35mm	1 1/4
QTMA1D-38S24	S	38mm	1 1/2
QTMA1D-42L24	L	42mm	1 1/2

Tube Fittings Metric

Metric Tube x BSPT Male - 90°

Part Number	DIN	Tube OD	BSPT
QTMA1E-06LL02	LL	6mm	1/8
QTMA1E-06L02	L	6mm	1/8
QTMA1E-06L04	L	6mm	1/4
QTMA1E-06S04	S	6mm	1/4
QTMA1E-06S06	S	6mm	3/8
QTMA1E-08L02	L	8mm	1/8
QTMA1E-08L04	L	8mm	1/4

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Tube Fittings Metric

Metric Tube x BSPT Male - 90° *Continued...*

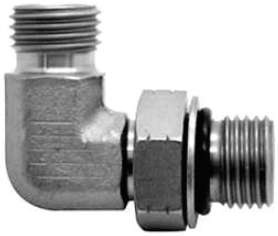
QTMA1E-08L06	L	8mm	3/8
QTMA1E-08S04	S	8mm	1/4
QTMA1E-08S06	S	8mm	3/8
QTMA1E-10L04	L	10mm	1/4
QTMA1E-10L06	L	10mm	3/8
QTMA1E-10S04	S	10mm	1/4
QTMA1E-10S06	S	10mm	3/8
QTMA1E-10S08	S	10mm	1/2
QTMA1E-12L04	L	12mm	1/4
QTMA1E-12L06	L	12mm	3/8
QTMA1E-12L08	L	12mm	1/2
QTMA1E-12S06	S	12mm	3/8
QTMA1E-12S08	S	12mm	1/2
QTMA1E-14S08	S	14mm	1/2
QTMA1E-15L08	L	15mm	1/2
QTMA1E-16S08	S	16mm	1/2
QTMA1E-18L08	L	18mm	1/2

Tube Fittings Metric

Metric Tube Male X Metric 90° Tube Male

Part Number	DIN	Tube OD	Thread Size
QTMA1-06L	L	6mm	12mm x 1.5
QTMA1-06S	S	6mm	14mm x 1.5
QTMA1-08L	L	8mm	14mm x 1.5
QTMA1-08S	S	8mm	16mm x 1.5
QTMA1-10L	L	10mm	16mm x 1.5
QTMA1-10S	S	10mm	18mm x 1.5
QTMA1-12L	L	12mm	18mm x 1.5
QTMA1-12S	S	12mm	20mm x 1.5
QTMA1-14S	S	14mm	22mm x 1.5
QTMA1-15L	L	15mm	22mm x 1.5
QTMA1-16S	S	16mm	24mm x 1.5
QTMA1-18L	L	18mm	26mm x 1.5
QTMA1-20S	S	20mm	26mm x 1.5
QTMA1-22L	L	22mm	30mm x 2
QTMA1-25S	S	25mm	36mm x 2
QTMA1-28L	L	28mm	36mm x 2
QTMA1-30S	S	30mm	42mm x 2
QTMA1-35L	L	35mm	42mm x 2
QTMA1-38S	S	38mm	52mm x 2
QTMA1-42L	L	42mm	52mm x 2

Metric Tube x UNO (SAE Oring) Male - 90°



Part Number	DIN	Tube OD	UNO
QTMA1P-06L07	L	6mm	7/16
QTMA1P-06S07	S	6mm	7/16
QTMA1P-08L09	L	8mm	9/16
QTMA1P-08S09	S	8mm	9/16
QTMA1P-10L09	L	10mm	9/16
QTMA1P-10S09	S	10mm	9/16
QTMA1P-10S12	S	10mm	3/4
QTMA1P-12L12	L	12mm	3/4
QTMA1P-12L17	L	12mm	1 1/16
QTMA1P-12S12	S	12mm	3/4
QTMA1P-14S14	S	14mm	7/8
QTMA1P-15L12	L	15mm	3/4
QTMA1P-15L14	L	15mm	7/8
QTMA1P-16S14	S	16mm	7/8
QTMA1P-18L17	L	18mm	1 1/16
QTMA1P-20S17	S	20mm	1 1/16
QTMA1P-22L17	L	22mm	1 1/16
QTMA1P-25S21	S	25mm	1 5/16
QTMA1P-28L17	L	28mm	1 1/16
QTMA1P-28L21	L	28mm	1 5/16
QTMA1P-30S26	S	30mm	1 5/8
QTMA1P-35L26	L	35mm	1 5/8
QTMA1P-38S30	S	38mm	1 7/8
QTMA1P-42L30	L	42mm	1 7/8

Tube Fittings Metric

Metric Tube x Metric Taper Male - 90°

Part Number	DIN	TUBE	THREAD SIZE
QTMA1R-06LLM10	LL	6MM	M10
QTMA1R-06LLM6	LL	6MM	M6
QTMA1R-06LLM8	LL	6MM	M8

Blanking Plug

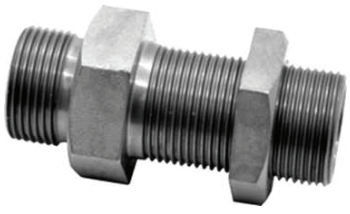
Tube Fittings Metric

Metric Tube Blanking Plug

Part Number	DIN	Tube OD	Thread Size
QTMA8-06L	L	6mm	12mm x 1.5
QTMA8-06S	S	6mm	14mm x 1.5
QTMA8-08L	L	8mm	14mm x 1.5
QTMA8-08S	S	8mm	16mm x 1.5
QTMA8-10L	L	10mm	16mm x 1.5
QTMA8-10S	S	10mm	18mm x 1.5
QTMA8-12L	L	12mm	18mm x 1.5
QTMA8-12S	S	12mm	20mm x 1.5
QTMA8-14S	S	14mm	22mm x 1.5
QTMA8-15L	L	15mm	22mm x 1.5
QTMA8-16S	S	16mm	24mm x 1.5
QTMA8-18L	L	18mm	26mm x 1.5
QTMA8-20S	S	20mm	30mm x 2
QTMA8-22L	L	22mm	30mm x 2
QTMA8-25S	S	25mm	36mm x 2
QTMA8-28L	L	28mm	36mm x 2
QTMA8-30S	S	30mm	42mm x 2
QTMA8-35L	L	35mm	45mm x 2
QTMA8-38S	S	38mm	52mm x 2
QTMA8-42L	L	42mm	52mm x 2

Bulkhead

Tube Fittings Metric



Metric Tube Bulkhead

Part Number	DIN	Tube OD	Thread Size
QTMA15-06L	L	6mm	12mm x 1.5
QTMA15-06S	S	6mm	14mm x 1.5
QTMA15-08L	L	8mm	14mm x 1.5
QTMA15-08S	S	8mm	16mm x 1.5
QTMA15-10L	L	10mm	16mm x 1.5
QTMA15-10S	S	10mm	18mm x 1.5
QTMA15-12L	L	12mm	18mm x 1.5
QTMA15-12S	S	12mm	20mm x 1.5
QTMA15-14S	S	14mm	22mm x 1.5
QTMA15-15L	L	15mm	22mm x 1.5
QTMA15-16S	S	16mm	24mm x 1.5

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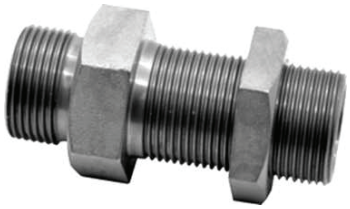
Metric Tube Bulkhead *Continued...*



QTMA15-18L	L	18mm	26mm x 1.5
QTMA15-20S	S	20mm	30mm x 2
QTMA15-22L	L	22mm	30mm x 2
QTMA15-25S	S	25mm	36mm x 2
QTMA15-28L	L	28mm	36mm x 2
QTMA15-30S	S	30mm	42mm x 2
QTMA15-35L	L	35mm	45mm x 2
QTMA15-38S	S	38mm	52mm x 2
QTMA15-42L	L	42mm	52mm x 2

Cap

Tube Fittings Metric

Metric Tube Blanking Cap

Part Number	DIN	Tube Size	Thread Size
QTMA6-06L	L	6mm	12mm x 1.5
QTMA6-06S	S	6mm	14mm x 1.5
QTMA6-08L	L	8mm	14mm x 1.5
QTMA6-08S	S	8mm	16mm x 1.5
QTMA6-10L	L	10mm	16mm x 1.5
QTMA6-10S	S	10mm	18mm x 1.5
QTMA6-12L	L	12mm	18mm x 1.5
QTMA6-12S	S	12mm	20mm x 1.5
QTMA6-14S	S	14mm	22mm x 1.5
QTMA6-15L	L	15mm	22mm x 1.5
QTMA6-16S	S	16mm	24mm x 1.5
QTMA6-18L	L	18mm	26mm x 1.5
QTMA6-20S	S	20mm	30mm x 2
QTMA6-22L	L	22mm	30mm x 2
QTMA6-25S	S	25mm	36mm x 2
QTMA6-28L	L	28mm	36mm x 2
QTMA6-30S	S	30mm	42mm x 2
QTMA6-35L	L	35mm	42mm x 2
QTMA6-38S	S	38mm	52mm x 2
QTMA6-42L	L	42mm	52mm x 2

QTMA6 *ONLY* comes complete with Nut

Cutting Ring

Tube Fittings Metric

Metric Cutting Ring

Part Number	DIN	Tube Size	
QTMA11-06LL	LL	6mm	
QTMA11-06LS	LS	6mm	
QTMA11-06S	S	6mm	
QTMA11-08LS	LS	8mm	
QTMA11-08S	S	8mm	
QTMA11-10LS	LS	10mm	
QTMA11-10S	S	10mm	
QTMA11-12LS	LS	12mm	
QTMA11-12S	S	12mm	
QTMA11-14S	S	14mm	
QTMA11-15L	L	15mm	
QTMA11-16S	S	16mm	
QTMA11-18L	L	18mm	
QTMA11-20S	S	20mm	
QTMA11-22L	L	22mm	
QTMA11-25S	S	25mm	
QTMA11-28L	L	28mm	
QTMA11-30S	S	30mm	
QTMA11-35L	L	35mm	
QTMA11-38S	S	38mm	
QTMA11-42L	L	42mm	

Tube Fittings Metric

Metric Cutting Ring - Stainless Steel

Part Number	DIN	Tube Size	
QTMA11-06LS-SS	LS	6mm	
QTMA11-08LS-SS	LS	8mm	
QTMA11-10LS-SS	LS	10mm	
QTMA11-12LS-SS	LS	12mm	
QTMA11-14S-SS	S	14mm	
QTMA11-15L-SS	L	15mm	
QTMA11-16S-SS	S	16mm	
QTMA11-18L-SS	L	18mm	
QTMA11-20S-SS	S	20mm	
QTMA11-22L-SS	L	22mm	
QTMA11-25S-SS	S	25mm	
QTMA11-28L-SS	L	28mm	

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Metric Cutting Ring - Stainless Steel *Continued...*

QTMA11-30S-SS	S	30mm	
QTMA11-35L-SS	L	35mm	
QTMA11-38S-SS	S	38mm	
QTMA11-42L-SS	L	42mm	

Straight

Tube Fittings Metric

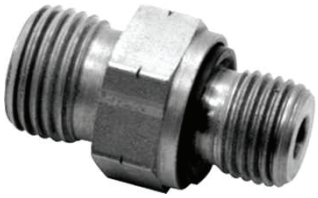
Metric Tube Joiner

Part Number	DIN	Tube OD	Thread Size
QTMA-04LL	LL	4mm	8mm x 1
QTMA-06LL	LL	6mm	10mm x 1
QTMA-06L	L	6mm	12mm x 1.5
QTMA-06S	S	6mm	14mm x 1.5
QTMA-08L	L	8mm	14mm x 1.5
QTMA-08S	S	8mm	16mm x 1.5
QTMA-10L	L	10mm	16mm x 1.5
QTMA-10S	S	10mm	18mm x 1.5
QTMA-12L	L	12mm	18mm x 1.5
QTMA-12S	S	12mm	20mm x 1.5
QTMA-14S	S	14mm	22mm x 1.5
QTMA-15L	L	15mm	22mm x 1.5
QTMA-16S	S	16mm	24mm x 1.5
QTMA-18L	L	18mm	26mm x 1.5
QTMA-20S	S	20mm	30mm x 2
QTMA-22L	L	22mm	30mm x 2
QTMA-25S	S	25mm	36mm x 2
QTMA-28L	L	28mm	36mm x 2
QTMA-30S	S	30mm	42mm x 2
QTMA-35L	L	35mm	42mm x 2
QTMA-38S	S	38mm	52mm x 2
QTMA-42L	L	42mm	52mm x 2

Metric Tube x BSPP Female Solid

Part Number	DIN	TUBE	THREAD SIZE
QTMAAS-06L02	L	6MM	1/8
QTMAAS-06L04	L	6MM	1/4
QTMAAS-06S04	S	6MM	1/4
QTMAAS-08L04	L	8MM	1/4
QTMAAS-08L06	L	8MM	3/8
QTMAAS-08L08	L	8MM	1/2
QTMAAS-08S04	S	8MM	1/4
QTMAAS-10L04	L	10MM	1/4
QTMAAS-10L06	L	10MM	3/8
QTMAAS-10L08	L	10MM	1/2
QTMAAS-10S06	S	10MM	3/8
QTMAAS-12L04	L	12MM	1/4
QTMAAS-12L06	L	12MM	3/8
QTMAAS-12L08	L	12MM	1/2
QTMAAS-12S06	S	12MM	3/8
QTMAAS-12S08	S	12MM	1/2
QTMAAS-14S08	S	14MM	1/2
QTMAAS-15L06	L	15MM	3/8
QTMAAS-15L08	L	15MM	1/2
QTMAAS-16S08	S	16MM	1/2
QTMAAS-18L08	L	18MM	1/2
QTMAAS-20S12	S	20MM	3/4
QTMAAS-22L12	L	22MM	3/4
QTMAAS-25S16	S	25MM	1
QTMAAS-28L16	L	28MM	1
QTMAAS-30S20	S	30MM	1 1/4
QTMAAS-35L20	L	35MM	1 1/4
QTMAAS-38S24	S	38MM	1 1/2
QTMAAS-42L24	L	42MM	1 1/2

Metric Tube Male x BSPP Male

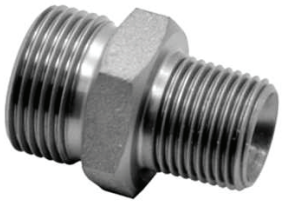


Including ED Seal

Part Number	DIN	Tube OD	Thread Size
QTMAD-06L02	L	6mm	1/8
QTMAD-06L04	L	6mm	1/4
QTMAD-06S04	S	6mm	1/4
QTMAD-08L02	L	8mm	1/8
QTMAD-08L04	L	8mm	1/4
QTMAD-08L06	L	8mm	3/8
QTMAD-08S04	S	8mm	1/4
QTMAD-08S06	S	8mm	3/8
QTMAD-10L04	L	10mm	1/4
QTMAD-10L06	L	10mm	3/8
QTMAD-10L08	L	10mm	1/2
QTMAD-10S04	S	10mm	1/4
QTMAD-10S06	S	10mm	3/8
QTMAD-10S08	S	10mm	1/2
QTMAD-12L04	L	12mm	1/4
QTMAD-12L06	L	12mm	3/8
QTMAD-12L08	L	12mm	1/2
QTMAD-12L12	L	12mm	3/4
QTMAD-12S04	S	12mm	1/4
QTMAD-12S06	S	12mm	3/8
QTMAD-12S08	S	12mm	1/2
QTMAD-14S08	S	14mm	1/2
QTMAD-15L06	L	15mm	3/8
QTMAD-15L08	L	15mm	1/2
QTMAD-16S06	S	16mm	3/8
QTMAD-16S08	S	16mm	1/2
QTMAD-16S12	S	16mm	3/4
QTMAD-18L08	L	18mm	1/2
QTMAD-18L12	L	18mm	3/4
QTMAD-20S08	S	20mm	1/2
QTMAD-20S12	S	20mm	3/4
QTMAD-22L12	L	22mm	3/4
QTMAD-25S08	S	25mm	1/2
QTMAD-25S12	S	25mm	3/4
QTMAD-25S16	S	25mm	1
QTMAD-28L16	L	28mm	1
QTMAD-30S20	S	30mm	1 1/4
QTMAD-35L20	L	35mm	1 1/4
QTMAD-38S24	S	38mm	1 1/2
QTMAD-42L24	L	42mm	1 1/2

Tube Fittings Metric

Metric Tube Male x BSPT Male



Part Number	DIN	Tube OD	BSPT Male
QTMAE-06LL02	LL	6mm	1/8
QTMAE-06L02	L	6mm	1/8
QTMAE-06L04	L	6mm	1/4
QTMAE-08L02	L	8mm	1/8
QTMAE-08L04	L	8mm	1/4
QTMAE-10L04	L	10mm	1/4
QTMAE-12L04	L	12mm	1/4
QTMAE-12L06	L	12mm	3/8
QTMAE-12L08	L	12mm	1/2
QTMAE-15L06	L	15mm	3/8
QTMAE-15L08	L	15mm	1/2
QTMAE-18L08	L	18mm	1/2
QTMAE-22L12	L	22mm	3/4
QTMAE-28L16	L	28mm	1
QTMAE-35L20	L	35mm	1 1/4
QTMAE-42L24	L	42mm	1 1/2

Tube Fittings Metric

Metric Tube Male x JIC Male

Part Number	DIN	Tube OD	Thread Size
QTMAL-06L07	L	6mm	7/16
QTMAL-06L09	L	6mm	9/16
QTMAL-06S07	S	6mm	7/16
QTMAL-06S09	S	6mm	9/16
QTMAL-08L09	L	8mm	9/16
QTMAL-08S09	S	8mm	9/16
QTMAL-10L09	L	10mm	9/16
QTMAL-10L12	L	10mm	3/4
QTMAL-10S09	S	10mm	9/16
QTMAL-10S12	S	10mm	3/4
QTMAL-12L12	L	12mm	3/4
QTMAL-12S12	S	12mm	3/4
QTMAL-14S14	S	14mm	7/8
QTMAL-15L14	L	15mm	7/8
QTMAL-15L17	L	15mm	1 1/16
QTMAL-16S14	S	16mm	7/8
QTMAL-16S17	S	16mm	1 1/16
QTMAL-18L12	L	18mm	3/4
QTMAL-18L17	L	18mm	1 1/16

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Metric Tube Male x JIC Male *Continued...*

QTMAL-20S17	S	20mm	1 1/16
QTMAL-22L17	L	22mm	1 1/16
QTMAL-22L21	L	22mm	1 5/16
QTMAL-25S21	S	25mm	1 5/16
QTMAL-28L21	L	28mm	1 5/16
QTMAL-30S21	S	30mm	1 5/16
QTMAL-30S26	S	30mm	1 5/8
QTMAL-35L21	L	35mm	1 5/16
QTMAL-35L26	L	35mm	1 5/8
QTMAL-38S26	S	38mm	1 5/8

Tube Fittings Metric

Metric Tube Male x Metric Taper Male

Part Number	DIN	TUBE OD	THREAD SIZE
QTMAR-06LLM6	LL	6MM	M6
QTMAR-6LLM10	LL	6MM	M10
QTMAR-6LLM8	LL	6MM	M8

Tube Fittings Metric

Metric Tube Male x NPT Male

Part Number	DIN	TUBE OD	THREAD SIZE
QTMAU-10L02	L	10MM	1/8
QTMAU-18L12	L	18MM	3/4

Tube Fittings Metric

Metric Tube Male x UNO Male (SAE Oring)

Part Number	DIN	Tube OD	UNO Male
QTMAP-08L07	L	8mm	7/16
QTMAP-08S07	S	8mm	7/16
QTMAP-10L07	L	10mm	7/16
QTMAP-10S09	S	10mm	9/16
QTMAP-12L09	L	12mm	9/16
QTMAP-12L12	L	12mm	3/4
QTMAP-12L14	L	12mm	7/8
QTMAP-12S09	S	12mm	9/16
QTMAP-12S12	S	12mm	3/4
QTMAP-15L12	L	15mm	3/4
QTMAP-15L14	L	15mm	7/8
QTMAP-16S12	S	16mm	3/4
QTMAP-16S14	S	16mm	7/8

Continued on following page...

Tube Fittings Metric

Metric Tube Male x UNO Male (SAE Oring) *Continued...*

QTMAP-18L12	L	18mm	3/4
QTMAP-18L14	L	18mm	7/8
QTMAP-20S12	S	20mm	3/4
QTMAP-20S14	S	20mm	7/8
QTMAP-20S17	S	20mm	1 1/16
QTMAP-22L14	L	22mm	7/8
QTMAP-22L17	L	22mm	1 1/16
QTMAP-22L21	L	22mm	1 5/16
QTMAP-25S17	S	25mm	1 1/16
QTMAP-25S21	S	25mm	1 5/16
QTMAP-28L17	L	28mm	1 1/16
QTMAP-28L21	L	28mm	1 5/16
QTMAP-30S21	S	30mm	1 5/16
QTMAP-30S26	S	30mm	1 5/8
QTMAP-35L21	L	35mm	1 5/16
QTMAP-35L26	L	35mm	1 5/8
QTMAP-38S26	S	38mm	1 5/8
QTMAP-42L26	L	42mm	1 5/8

Tee

Tube Fittings Metric

Metric Tube Female Swivel x Metric Male Tube Run Tee

Part Number	DIN	Tube OD	Thread Size
QTMA3-06L	L	6mm	12mm x 1.5
QTMA3-06S	S	6mm	14mm x 1.5
QTMA3-08L	L	8mm	14mm x 1.5
QTMA3-08S	S	8mm	16mm x 1.5
QTMA3-10L	L	10mm	16mm x 1.5
QTMA3-10S	S	10mm	18mm x 1.5
QTMA3-12L	L	12mm	18mm x 1.5
QTMA3-12S	S	12mm	20mm x 1.5
QTMA3-14S	S	14mm	22mm x 1.5
QTMA3-15L	L	15mm	22mm x 1.5
QTMA3-16S	S	16mm	24mm x 1.5
QTMA3-18L	L	18mm	26mm x 1.5
QTMA3-20S	S	20mm	30mm x 2
QTMA3-22L	L	22mm	30mm x 2
QTMA3-25S	S	25mm	36mm x 2
QTMA3-28L	L	28mm	36mm x 2

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Metric Tube Female Swivel x Metric Male Tube Run Tee *Continued...*

QTMA3-30S	S	30mm	42mm x 2
QTMA3-35L	L	35mm	42mm x 2
QTMA3-38S	S	38mm	52mm x 2
QTMA3-42L	L	42mm	52mm x 2

Metric Tube Male x Metric Tube F Swivel - Branch Tee

Part Number	DIN	Tube OD	Thread Size
QTMA4-06L	L	6mm	12mm x 1.5
QTMA4-06S	S	6mm	14mm x 1.5
QTMA4-08L	L	8mm	14mm x 1.5
QTMA4-08S	S	8mm	16mm x 1.5
QTMA4-10L	L	10mm	16mm x 1.5
QTMA4-10S	S	10mm	18mm x 1.5
QTMA4-12L	L	12mm	18mm x 1.5
QTMA4-12S	S	12mm	20mm x 1.5
QTMA4-14S	S	14mm	22mm x 1.5
QTMA4-15L	L	15mm	22mm x 1.5
QTMA4-16S	S	16mm	24mm x 1.5
QTMA4-18L	L	18mm	26mm x 1.5
QTMA4-20S	S	20mm	30mm x 2
QTMA4-22L	L	22mm	30mm x 2
QTMA4-25S	S	25mm	36mm x 2
QTMA4-28L	L	28mm	36mm x 2
QTMA4-30S	S	30mm	42mm x 2
QTMA4-35L	L	35mm	42mm x 2
QTMA4-38S	S	38mm	52mm x 2
QTMA4-42L	L	42mm	52mm x 2

Metric Tube Male x Metric Tube Male Tee

Part Number	DIN	Tube OD	Thread Size
QTMA12-06L	L	6mm	12mm x 1.5
QTMA12-06S	S	6mm	14mm x 1.5
QTMA12-08L	L	8mm	14mm x 1.5
QTMA12-08S	S	8mm	16mm x 1.5
QTMA12-10L	L	10mm	16mm x 1.5
QTMA12-10S	S	10mm	18mm x 1.5
QTMA12-12L	L	12mm	18mm x 1.5
QTMA12-12S	S	12mm	20mm x 1.5

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Tube Fittings Metric

Metric Tube Male x Metric Tube Male Run Tee *Continued...*

QTMA12-14S	S	14mm	22mm x 1.5
QTMA12-15L	L	15mm	22mm x 1.5
QTMA12-16S	S	16mm	24mm x 1.5
QTMA12-18L	L	18mm	26mm x 1.5
QTMA12-20S	S	20mm	30mm x 2
QTMA12-22L	L	22mm	30mm x 2
QTMA12-25S	S	25mm	36mm x 2
QTMA12-28L	L	28mm	36mm x 2
QTMA12-30S	S	30mm	30mm x 2
QTMA12-35L	L	35mm	45mm x 2
QTMA12-38S	S	38mm	52mm x 2
QTMA12-42L	L	42mm	52mm x 2

Tube Nut

Tube Fittings Metric

Metric Tube Nut

Part Number	DIN	Tube Size	Thread Size
QTMA7-06LL	LL	6mm	10mm x 1
QTMA7-06L	L	6mm	12mm x 1.5
QTMA7-06S	S	6mm	14mm x 1.5
QTMA7-08L	L	8mm	14mm x 1.5
QTMA7-08S	S	8mm	16mm x 1.5
QTMA7-10L	L	10mm	16mm x 1.5
QTMA7-10S	S	10mm	18mm x 1.5
QTMA7-12L	L	12mm	18mm x 1.5
QTMA7-12S	S	12mm	20mm x 1.5
QTMA7-14S	S	14mm	22mm x 1.5
QTMA7-15L	L	15mm	22mm x 1.5
QTMA7-16S	S	16mm	24mm x 1.5
QTMA7-18L	L	18mm	26mm x 1.5
QTMA7-20S	S	20mm	30mm x 2
QTMA7-22L	L	22mm	30mm x 2
QTMA7-25S	S	25mm	36mm x 2
QTMA7-28L	L	28mm	36mm x 2
QTMA7-30S	S	28mm	42mm x 2
QTMA7-35L	L	35mm	45mm x 2
QTMA7-38S	S	38mm	52mm x 2
QTMA7-42L	L	42mm	52mm x 2

Tube Fittings Imperial

Straight

Tube Fittings Imperial

Imperial Tube X JIC

Part Number	JIC Male	Tube OD	
QTIAL0609	9/16	3/8	
QTIAL0812	3/4	1/2	

Tube Fittings Imperial

Imperial Tube Joiner

Part Number	Tube Size	Tube Size	
QTIA-06	3/8	3/8	
QTIA-08	1/2	1/2	

Cutting Ring

Tube Fittings Imperial

Imperial Tub Cutting Ring

Part Number	Tube Size		
QTIA11-06	3/8		

Flare Nut & Sleeves

Tube Fittings Imperial

JIC Tube Nut

Part Number	JIC Nut	Tube OD	
QTIA9K07	7/16	1/4	
QTIA9K09	9/16	3/8	
QTIA9K12	3/4	1/2	
QTIA9K14	7/8	5/8	
QTIA9K17	1 1/16	3/4	
QTIA9K21	1 5/16	1	
QTIA9K26	1 5/8	1 1/4	
QTIA9K30	1 7/8	1 1/2	

Tube Fittings Imperial

JIC Tube Nut & Sleeve Stainless Steel

Part Number	JIC Nut	Tube OD	
QTIA9/10K07SS	7/16	1/4	
QTIA9/10K09SS	9/16	3/8	
QTIA9/10K12SS	3/4	1/2	
QTIA9/10K14SS	7/8	5/8	
QTIA9/10K17SS	1 1/16	3/4	
QTIA9/10K21SS	1 5/16	1	

Tube Fittings Imperial

JIC Tube Sleeve

Part Number	JIC Nut	Tube OD	
QTIA10K07	7/16	1/4	
QTIA10K09	9/16	3/8	
QTIA10K12	3/4	1/2	
QTIA10K14	7/8	5/8	
QTIA10K17	1 1/16	3/4	
QTIA10K21	1 5/16	1	
QTIA10K26	1 5/8	1 1/4	
QTIA10K30	1 7/8	1 1/2	

Weld On

Weld On Female

Weld On

BSPP Swivel Tube Weld

Part Number	Tube Size	Thread Size	
QWFA04	1/4	1/4	
QWFA06	3/8	3/8	
QWFA08	1/2	1/2	
QWFA0812	1/2	3/4	
QWFA12	3/4	3/4	
QWFA16	1	1	
QWFA20	1 1/4	1 1/4	
QWFA24	1 1/2	1 1/2	

Weld On

JIC Female Swivel Tube Weld

Part Number	Tube Size	Thread Size	
QWFK0407	1/4	7/16	
QWFK0607	3/8	7/16	
QWFK0609	3/8	9/16	
QWFK0612	3/8	3/4	
QWFK0812	1/2	3/4	
QWFK0814	1/2	7/8	
QWFK1012	5/8	3/4	
QWFK1014	5/8	7/8	
QWFK1017	5/8	1 1/16	
QWFK1214	3/4	7/8	
QWFK1217	3/4	1 1/16	
QWFK1617	1	1 1/16	
QWFK1621	1	1 5/16	
QWFK2021	1 1/4	1 5/16	
QWFK2026	1 1/4	1 5/8	
QWFK2426	1 1/2	1 5/8	
QWFK2430	1 1/2	1 7/8	

Weld On

UNO Female Port

Part Number	Outside Dia.	UNO F	
QWFPF2509	25mm	9/16	
QWFPF2712	27mm	3/4	
QWFPF2714	27mm	7/8	
QWFPF3317	33mm	1 1/16	

Weld On Male

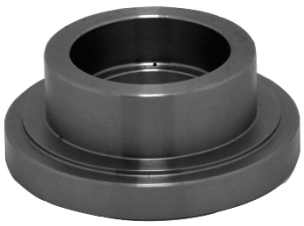
Weld On

BSPT Male Weld-On

Part Number	Tube Size	Thread Size	
QWME04	1/4	1/4	
QWME06	3/8	3/8	
QWME08	1/2	1/2	
QWME12	3/4	3/4	
QWME16	1	1	
QWME20	1 1/4	1 1/4	
QWME24	1 1/2	1 1/2	

Weld On

Code 61 Weld-On



Part Number	Tube Size	Flange Size	
QWMF1212	3/4	3/4	
QWMF1216	3/4	1	
QWMF1612	1	3/4	
QWMF1616	1	1	
QWMF1620	1	1 1/4	
QWMF2016	1 1/4	1	
QWMF2020	1 1/4	1 1/4	
QWMF2024	1 1/4	1 1/2	
QWMF2424	1 1/2	1 1/2	
QWMF2432	1 1/2	2	
QWMF3232	2	2	
QWMF3240	2	2 1/2	
QWMF40	2 1/2	2 1/2	

Weld On

Code 62 Weld-On

Part Number	Tube Size	Flange Size	
QWMG1212	3/4	3/4	
QWMG1216	3/4	1	
QWMG1612	1	3/4	
QWMG1616	1	1	
QWMG1620	1	1 1/4	
QWMG2016	1 1/4	1	
QWMG2020	1 1/4	1 1/4	

Weld On

JIC Male Weld-On

Part Number	Tube Size	JIC Male	
QWML0407	1/4	7/16	
QWML0609	3/8	9/16	
QWML0612	3/8	3/4	
QWML0809	1/2	9/16	
QWML0812	1/2	3/4	
QWML0814	1/2	7/8	
QWML1012	5/8	3/4	
QWML1014	5/8	7/8	
QWML1214	3/4	7/8	
QWML1217	3/4	1 1/16	
QWML1617	1	1 1/16	
QWML1621	1	1 5/16	
QWML2021	1 1/4	1 5/16	
QWML2026	1 1/4	1 5/8	
QWML2426	1 1/2	1 5/8	
QWML2430	1 1/2	1 7/8	

Stainless Steel

Stainless Steel

Low Pressure 304 BSPP - Pipe Piece

Part Number	BSPT M	Pipe Length	
SSBN20X60	3/4	60mm	Runout
SSBN25X100	1	100mm	Runout
SSBN25X150	1	150mm	Runout
SSBN25X300	1	300mm	Runout
SSBN25X60	1	60mm	Runout

Stainless Steel

Low Pressure 304 BSPP - Female Elbow 90°

Part Number	BSPP F		
SSE20	3/4		Runout
SSE25	1		Runout

Stainless Steel

Low Pressure 304 BSPP Male x BSPP Female - 45°

Part Number	BSPT M	BSPP F	
SSEMF2545	1	1	Runout

Stainless Steel

Low Pressure 304 BSPP Male x BSPP Female - 90°

Part Number	BSPT M	BSPP F	
SSEMF10	3/8	3/8	Runout
SSEMF25	1	1	Runout

Stainless Steel

Low Pressure 304 BSPP Nipple

Part Number	BSPT M	BSPT M	
SSHN20	3/4	3/4	Runout
SSHN25	1	1	Runout

Stainless Steel

Low Pressure 304 BSPT Plug

Part Number	BSPP		
SSHP25	1		Runout

Stainless Steel

Low Pressure 304 BSPP Socket

Part Number	BSPP F		
SSMS25	1		Runout

Stainless Steel

Low Pressure 304 BSPP Reducing Bush

Part Number	BSPP M	BSPP F	
SSRB20X8	3/4	1/4	Runout
SSRB2520	1	3/4	Runout
SSRB258	1	1/4	Runout

Stainless Steel

Low Pressure 304 BSP Female Tee

Part Number	BSPP		
SST20	3/4		Runout
SST25	1		Runout

AUSTRALIAN HOSE & FITTINGS

TAIPAN
Hydraulic Hose Systems

NEW NAME. NEW LOOK. SAME EVERYTHING ELSE.

Australian Hose and Fittings Pty Ltd is excited to announce its new trading name, Taipan Pty Ltd.

We launched Taipan in 2010 as our own brand of hydraulic hose systems. Since then our logo has featured the original Taipan motiff as well as our company name - Australian Hose & Fittings.

Today, Taipan products account for the lion's share of our sales and customer relationships.

So the time is right for us to simplify things by focussing on Taipan alone and modernising our graphics too.

Nothing else changes. While we're changing our trading name to Taipan Pty Ltd, and our logo, the company's owners and managers are unchanged.

Our sales and technical teams are unchanged. We'll continue to supplement our range by supplying other world-class specialised products and equipment, such as Hydralok and Taimi. And you can rest assured that we will continue to deliver the same great service and support that sets us apart in the industry.

Got questions? Call me, Allan Sandillands, Owner & CEO, anytime on **0409 887 716**.

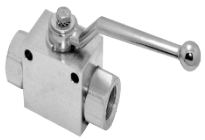
PH: 1300 654 782
www.taipan.com.au

TAIPAN
Hydraulic Hose Systems

SECTION 4
ACCESSORIES

High Pressure Ball Valves

HPBV | Page 221



Straight

HPBV3-L | Page 221

L Port

HPBV3-T | Page 221

T Port

MORE PRODUCTS COMING SOON

Clamps

PVC Clamps

PC | Page 222

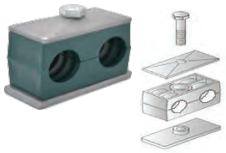
Cushion

Ribbed - Polypropylene

SINGLE | Page 223

Single ribbed insert

DOUBLE | Page 223



Double ribbed insert

HD SINGLE
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Single UV ribbed insert

Smooth Bore - Polyamide

SINGLE SB
Page 224

Single smooth bore insert

DOUBLE SB
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Double smooth bore insert

Stacking Bolt

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Single

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Double

Stacking Plate

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Single

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Double

Stainless Steel Hose Clamp

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Ultra Heavy Duty

MORE PRODUCTS COMING SOON

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Foam Insert for E-H25 Mini

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Hydrastatic Hose Tester

Hose Protectors

Hose Protection

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Safe Sleeve

Scuff Cover

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Scuff Cover

Spiral Guard

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Spiral Guard

Ties/ Restraints

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Bunde Straps

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Crimp Rings for burst sleeve

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Hose Restraints

VBR | Page 244

Vinyl Bend Restrictiors

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Ziptie

MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

O'Ring / Retaining Rings

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BSPP ED

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MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

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Ball

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Ball Push Pull ISO7241-1 A-Series

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Tractor Rigid Mount Breakaway

Diagnostic Test Port

KQFFTP-F/M
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Interchange 420 Bar

KQTPE/D/PP
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Interchange 620 Bar

Flat Face

KQRF-F/M-UNO/BSP
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ISO16028 A-Series High-Pressure

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ISO16028 A-Series High-Pressure Bulkhead

KQRC-C/P-FF
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ISO16028 A-Series High-Pressure Caps/Plugs

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ISO16028 A-Series High-Pressure Connect Under Pressure

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ISO14541 700 BAR Caps and Plugs

KQRJ/FF-F/M-NPT
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ISO14540 700 BAR

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Interchange Tema T Series

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Interchange Tema T Series Caps, Plugs, & Seal Kits

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Interchange Tema T Series Connect Under Pressure

PBR Interchange

KQRC-C/P/-PBR
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Caps, Plugs & Seal Kits

KQRP-F/M-PBR
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Poppet Coupler

Poppet

KQRP-F/M- A/NV
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ISO7241-1 A-Series

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ISO7241-1 A-Series Caps, Plugs & Seal Kits

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ISO7241-1 A-Series Connect Under Pressure

KQRP-F/M-PP
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ISO7241-1 A Series Push Pull

KQRP-F/M-B
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ISO 7241-1 B-Series

KQRP-F/M-B-BRASS
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ISO7241-1B B-Series (Carpet Cleaners)

KQRP-F/M-NV
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NV Series

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Caps, Plugs & Seal Kits

Screw Together

KQRC-C-VD
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ISO14541 Caps and Plugs

KQRS-F/M-VD
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ISO14541 Poppet

KQRS-F/M-VV
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Poppet

Screw Together Flat Face

KQRS-F/M-FF-BSP
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Flat Face

MORE PRODUCTS COMING SOON

MORE PRODUCTS COMING SOON

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Metric Self Centering

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Metric Self Centering Kit

Straight Swivels

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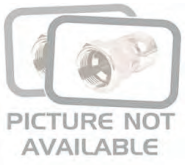
BSP Male/Female

SZ-PM-PM | Page 260

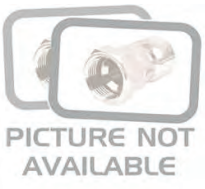


BSP Male/Male

SZ-JM-JF | Page 260

JIC Male/Female

SZ-JM-JM | Page 261



JIC Male/Male

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ORFS Male/Female

SZ-SM-SM | Page 261

ORFS Male/Male

90 Degree Swivels

SZ90-SM-BF | Page 261

ORFS X UNO F/M

SZ90-PM-BF | Page 261

BSPP X UNO F/M

SZ-001SK-A | Page 261

Seal Kit

High Pressure Ball Valves

Carbon steel EN-10277-3, Seals NBR,
Seating Ball: P.O.M (Delrin), Handle: ZAMAK-5
Temperature range -30 to 100 Degree C
Designed for oil hydraulic applications according to European Directive 97.23EC
Interchange/ equivalents: Inteva V2RH, Pister BKH, MHA BKH, HYDAC KHB, DMIC DVH, STAUFF BBV2/CBVT

High Pressure Ball Valves

Straight

Part Number	Pressure Rating/Bar	Female Thread			
HPBV-04	500	1/4" BSPP			
HPBV-06	500	3/8" BSPP			
HPBV-08	500	1/2" BSPP			
HPBV-12	400	3/4" BSPP			
HPBV-16	350	1" BSPP			
HPBV-20	350	1 1/4" BSPP			
HPBV-24	350	1 1/2" BSPP			

High Pressure Ball Valves

L Port

Part Number	Pressure Rating/Bar	Female Thread			
HPBV3-04L	500	1/4" BSPP			
HPBV3-06L	500	3/8" BSPP			
HPBV3-08L	500	1/2" BSPP			
HPBV3-12L	400	3/4" BSPP			
HPBV3-16L	350	1" BSPP			

High Pressure Ball Valves

T Port

Part Number	Pressure Rating/Bar	Female Thread			
HPBV3-04T	500	1/4" BSPP			
HPBV3-06T	500	3/8" BSPP			
HPBV3-08T	500	1/2" BSPP			
HPBV3-12T	400	3/4" BSPP			
HPBV3-16T	350	1" BSPP			

Clamps

PVC Clamps

Clamps

Cushion

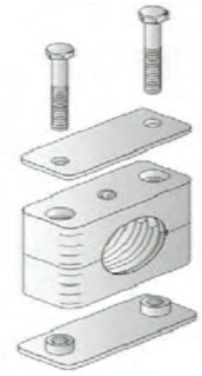
Heavy Duty PVC Clamp - Australian Made to AS1977 TYPE 3 /105T | Stainless - made to order

Part Number	Tube Size	Band width	Hole size
PC6-1610	6mm	16mm	10mm
PC8-1910	8mm	19mm	10mm
PC10-1910	10mm	19mm	10mm
PC12-1910	12mm	19mm	10mm
PC13-1910	13mm	19mm	10mm
PC15-1910	15mm	19mm	10mm
PC16-1910	16mm	19mm	10mm
PC18-1910	18mm	19mm	10mm
PC20-2513	20mm	25mm	13mm
PC22-2513	22mm	25mm	13mm
PC23-2513	23mm	25mm	13mm
PC24-2513	24mm	25mm	13mm
PC26-2513	26mm	25mm	13mm
PC28-2513	28mm	25mm	13mm
PC30-2513	30mm	25mm	13mm
PC31-2513	31mm	25mm	13mm
PC32-2513	32mm	25mm	13mm
PC35-2513	35mm	25mm	13mm
PC38-2513	38mm	25mm	13mm
PC40-2513	40mm	25mm	13mm
PC44-2513	44mm	25mm	13mm
PC45-2513	45mm	25mm	13mm
PC46-2513	46mm	25mm	13mm
PC50-2513	50mm	25mm	13mm
PC60-2513	60mm	25mm	13mm
PC67-2513	67mm	25mm	13mm
PC70-2513	70mm	25mm	13mm
PC90-2513	90mm	25mm	13mm

Ribbed - Polypropylene

Clamps — Single

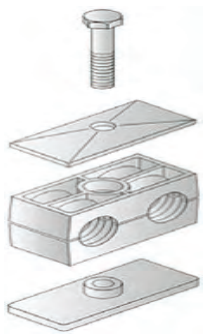
Green ribbed Poylpropylene insert



Part Number	Desription	Group	
8mm SINGLE		1	
9.5mm SINGLE		1	
12.7mm SINGLE	Suits 1/4" 1 Wire	1	
14mm SINGLE	Suits 1/4" 2 Wire	2	
15mm SINGLE		2	
16mm SINGLE		2	
18mm SINGLE	Suits 3/8" 1 Wire	2	
19mm SINGLE	Suits 3/8" 2 Wire	2	
20mm SINGLE	Suits 1/2" 1 Wire	3	
22mm SINGLE	Suits 1/2" 2 Wire	3	
25.4mm SINGLE	Suits 5/8" 2 Wire	3	
26.9mm SINGLE	Suits 3/4" 1 Wire	3	
28mm SINGLE		4	
30mm SINGLE	Suits 3/4" 2 Wire	4	
32mm SINGLE		4	
38mm SINGLE	Suits 1" 2 Wire	5	

Clamps — Double

Green ribbed Poylpropylene insert



Part Number	Desription	Group	
8mm DOUBLE		1	
9.5mm DOUBLE		1	
12.7mm DOUBLE	Suits 1/4" 1 Wire	2	
14mm DOUBLE	Suits 1/4" 2 Wire	2	
15mm DOUBLE		2	
16mm DOUBLE		2	
18mm DOUBLE	Suits 3/8" 1 Wire	2	
19mm DOUBLE	Suits 3/8" 2 Wire	2	
20mm DOUBLE	Suits 1/2" 1 Wire	3	
22mm DOUBLE	Suits 1/2" 2 Wire	3	
25.4mm DOUBLE	Suits 5/8" 2 Wire	3	
28mm DOUBLE		4	
30mm DOUBLE	Suits 3/4" 2 Wire	4	
32mm DOUBLE		4	
38mm DOUBLE	Suits 1" 2 Wire	5	

Clamps	Heavy Duty Single

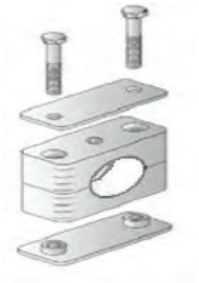
Black UV resistant Polyamide insert

Part Number	Desription		
25.4MM HD SINGLE			
26.9MM HD SINGLE			
32MM HD SINGLE			
33.7MM HD SINGLE			
38MM HD SINGLE			
42MM HD SINGLE			
44.5MM HD SINGLE			
48.3MM HD SINGLE			
50.8MM HD SINGLE			
57MM HD SINGLE			
60.3MM HD SINGLE			
70MM HD SINGLE			

Smooth Bore - Polyamide

Smooth Bpre - Polyamide	Single

Black UV resistant Polyamide insert



Part Number	Desription	Grouping for Bolts & Plates	
6.4MM SINGLE SB		1	
8MM SINGLE SB		1	
9.5MM SINGLE SB		1	
12.7MM SINGLE SB	Suits 1/4" 1 Wire	1	
14MM SINGLE SB	Suits 1/4" 2 Wire	2	
15MM SINGLE SB		2	
16MM SINGLE SB		2	
18MM SINGLE SB	Suits 3/8" 1 Wire	2	
19MM SINGLE SB	Suits 3/8" 2 Wire	2	
20MM SINGLE SB	Suits 1/2" 1 Wire	3	
22MM SINGLE SB	Suits 1/2" 2 Wire	3	
25.4MM SINGLE SB	Suits 5/8" 2 Wire	3	
28MM SINGLE SB		4	
30MM SINGLE SB	Suits 3/4" 2 Wire	4	
32MM SINGLE SB		4	
35MM SINGLE SB		5	
38MM SINGLE SB	Suits 1" 2 Wire	5	
42MM SINGLE SB		5	
50.8MM SINGLE SB		5	

Smooth Bpre - Polyamide

Double

Black UV resistant Polyamide insert

Part Number	Desription	Grouping for Bolts & Plates	
6.4MM DOUBLE SB		1	
8MM DOUBLE SB		1	
9.5MM DOUBLE SB		1	
12.7MM DOUBLE SB	Suits 1/4" 1 Wire	2	
14MM DOUBLE SB	Suits 1/4" 2 Wire	2	
15MM DOUBLE SB		2	
16MM DOUBLE SB		2	
18MM DOUBLE SB	Suits 3/8" 1 Wire	2	
19MM DOUBLE SB	Suits 3/8" 2 Wire	2	
20MM DOUBLE SB	Suits 1/2" 1 Wire	3	
22MM DOUBLE SB	Suits 1/2" 2 Wire	3	
25.4MM DOUBLE SB	Suits 5/8" 2 Wire	3	
28MM DOUBLE SB		4	
30MM DOUBLE SB	Suits 3/4" 2 Wire	4	
32MM DOUBLE SB		4	
38MM DOUBLE SB		5	

Stacking Bolts & Plates

Stacking Bolts & Plates

Stacking Bolt

Part Number	Desription	Grouping for Bolts & Plates	
Single			
SB-G1	M6 X 20 STACKER BOLT	1	
SB-G2	M6 X 25 STACKER BOLT	2	
SB-G3	M6 X 30 STACKER BOLT	3	
SB-G4	M6 X 35 STACKER BOLT	4	
SB-G5	M6 X 50 STACKER BOLT	5	
Double			
SB-G1	M6 X 20 STACKER BOLT	1	
SB-DI2	M8 X 20 STACKER BOLT	2	
SB-DI3	M8 X 29 STACKER BOLT	3	
SB-DI4	M8 X 34 STACKER BOLT	4	
SB-DI5	M8 X 46 STACKER BOLT	5	

Stacking Plate

Stacking Plate

Stacking Plate Single

Part Number	Desription	Grouping for Bolts & Plates	
SP-G1	STACKING PLATE SINGLE -CR3 6.4 TO 9.5MM	1	
SP-G2	STACKING PLATE SINGLE -CR3 12.7 TO 18MM	2	
SP-G3	STACKING PLATE SINGLE -CR3 19 TO 25MM	3	
SP-G4	STACKING PLATE SINGLE -CR3 26 TO 30MM	4	
SP-G5	STACKING PLATE SINGLE -CR3 32 TO 42MM	5	

Stacking Plate

Stacking Plate Double

Part Number	Desription	Grouping for Bolts & Plates	
SP-DI1	STACKING PLATE DOUBLE -CR3 6 TO 12MM	1	
SP-DI2/5	STACKING PLATE DOUBLE -CR3 12MM TO 42MM	2-5	

Stainless Steel Hose Clamp

Stainless Steel Hose Clamp | **Ultra Heavy Duty (Mikalor brand)**

W2 - Stainless band with Mild steel bolt

Part Number	Desription		
SC17-19W2			
SC19-21W2			
SC21-23W2			
SC23-25W2			
SC25-27W2			
SC27-29W2			
SC29-31W2			
SC31-34W2			
SC32-35W2			
SC34-37W2			
SC37-40W2			
SC40-43W2			
SC43-47W2			
SC47-51W2			
SC51-55W2			
SC55-59W2			
SC59-63W2			
SC63-68W2			
SC68-73W2			
SC73-79W2			
SC79-85W2			
SC85-91W2			
SC91-97W2			
SC97-104W2			
SC104-112W2			
SC112-121W2			
SC121-130W2			
SC130-140W2			
SC174-187W2			

HCL - Hose Cut Off Saw

You can cut up to 2" two wire hose or up to 1 1/4" four wire hose. Comes standard with a slotted blade to dissipate heat and increase blade life. These lightweight cut off saws are available in a variety of voltages - 12v, 24v and 240v. Great for mobile applications!

UP TO 2" 2 WIRE | LIGHTWEIGHT | MULTI VOLTAGE

Part Number	Description
E-JB1001 - 12v	12v Cutter
E-JB1002 - 24v	24v Cutter
E - HC5102 - 240v	240v Cutter
E - HC11017 - 240v	240v Pull Down Type Cutter

Hose Cut Off Saw (Floor Mounted)

With this floor mounted hose cut off saw, you will be able to cut up to 2" six wire hose The E-HCC3 is a simple, foot operated machine equipped with an air pneumatic cutting action for an easy and consistent cut. It comes with a slotted blade as standard to dissipate heat and reduce wear. Great for the workshop and comes with extraction connector for vacuum exhaust if available.

- 8 BAR air-supply required.

- Smooth blade equivalents available.

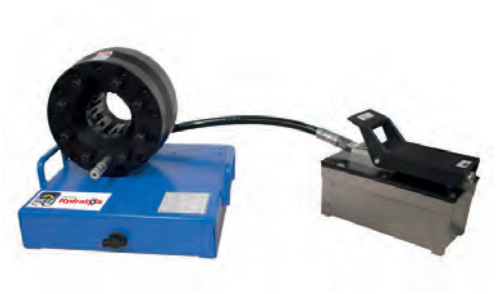
- Non air pneumatic version available for 2" 4 wire hose

UP TO 2" | FOOT OPERATION | 3 PHASE POWER

Part Number	Description
E-HCC3	400v 50hz 3 phase 5.5kw Cutter

Mini Crimpers

H25 Mini



Crimp up to 1" 4 wire hose with this light weight and compact mini crimper. Comes complete with a pneumatic foot pump for easy operation which requires 80-100 psi air supply. Hand pump version is also available. (*Optional 42mm Die available on request).

- Hose capacity: 3/16" - 1" 4 wire 100R12

- Available in hand or air hydraulic foot pump operation

Part Number	Description
E-H25 Mini	Mini crimper with pneumatic foot pump

Die No.	Range	Length	Max Ferrule dia
A160S	16.0 - 20.9	55	28
A21	21.0 - 23.9	50	33
A24	24.0 - 27.9	50	36
A28	28.0 - 30.9	60	40
A31	31.0 - 39.9	60	43
A40	40.0 - 45.9	60	46
A42*	42.0 - 47.9	60	52

*E-H25 Mini Foam Inserts available on Page 238.

UP TO 1"

EASY CHANGE DIES

FOOT OPERATION

LIGHTWEIGHT

H19MM

Crimp up to 3/4" 2 wire hose with this light weight and compact mini crimper. Comes with hand pump as standard and handle for easy on-site operation. Ideal for on-site work with small hose assemblies.

- Hose capacity: 3/16" - 3/4" 2 wire

- Available in hand or air hydraulic foot pump operation

Part Number	Description
E-H19MM	Mini crimper with pneumatic foot pump

Die No.	Range	Length
S160S	16.0 - 18.9	40
S19	19 - 20.9	40
S21	21.0 - 23.9	50
S24	24.0 - 27.9	50
S28	28.0 - 33.9	50

UP TO 1 ½"

NO POWER REQ

EASY CHANGE DIES

LIGHTWEIGHT

UP TO 1"

EASY CHANGE DIES

FOOT OPERATION

NO POWER REQ

H25MM

Crimp up to 1 1/4" wire hose with this light weight and compact mini crimper. Comes complete with a pneumatic foot pump for easy operation which requires 80-100 psi air supply. Hand pump version is also available. (*Optional 42mm Die available on request).

- Hose capacity: 3/16" - 1" 4 wire 100R12

- Available in hand or air hydraulic foot pump operation

Part Number	Description
E-H25MM	Crimper with pneumatic foot pump

Die No.	Range	Length	Max Ferrule dia.	Die No.	Range	Length	Max Ferrule Dia.
H06*	06.0 - 07.9	40	18	H24	24.0 - 27.9	50	36
H08*	08.0 - 09.9	40	20	H28	28.0 - 30.9	60	40
H10*	10.0 - 12.9	40	22	H31	31.0 - 33.9	60	43
H13*	13.0 - 15.9	40	25	H34	34.0 - 39.9	70	46
H16OS	16.0 - 18.9	55	28	H40	40.0 - 43.9	70	52
H19	19.0 - 20.9	40	31	H44	44.0 - 49.9	70	56
H21	21.0 - 23.9	40	33	H50	50.0 - 54.4	75	62

Crimpers

A

H32 Mobile Series

The E-H32 series mobile crimper is capable of crimping hose up to 1 ¼" four wire and up to 1 ½" two wire, with an easy to use push button operation, and is available in 12v and 24v applications. Great for van set ups with it's light-weight and space saving design. Available with or without Quick Change die draws. The H32 mobile is also available in a modular format which breaks the machine down to 3 compontents, crimp head, control unit and pump allowing for a customisable set up to suit your van layout.

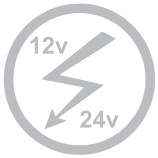
B

- **Hose capacity: 3/16" - 1 ¼" 4 wire**
  (1 ½" 2 wire with extra dies)
- **Crimper Force 1750kN**
- **Cycle Time : O/C 3.5 Sec - C/O 7.5 Sec**
- **Also available in modular design to suit your van layout.**

C

Part Number	Description
E-H32MT4-12v	(A) Crimper No Quick Change
E-H32MT4-12v-QCD	(B) Crimper Inc. Quick Change
E-H32MT4-24v	(A) Crimper No Quick Change
E-H32MT4-24v-QCD	(B) Crimper Inc. Quick Change
E-H32MODULAR-12v	12v Modular Crimper
E-H32MODULAR-24v	24v Modular Crimper

UP TO 1 ¼"



MULTI VOLTAGE

EASY CHANGE DIES

MOBILE FRIENDLY

DIAL CALIBRATION

A

H50 Mobile Series

The E-H50 series mobile crimper is capable of crimping hose up to 2" four wire, with an easy to use push button operation, and is available in 12v and 24v applications. Great for van set ups with it's lightweight and space saving design. Available with or without Quick Change die draws. The H50 mobile is also available in a modular format which breaks the machine down to 3 compontents, crimp head, control unit and pump allowing for a customisable set up to suit your van layout.

B

- Hose capacity: 3/16" - 2" 4 wire

- Crimper Force: 2509kN

- Cycle Time: O/C 4.0 Sec - C/O 8.0 Sec

- Also available in modular design to suit your van layout.

C

Part Number	Description
E-H50MT4-12v	(A) Crimper No Quick Change
E-H50MT4-12v-QCT-DRAWS	(B) Crimper Inc. Quick Change
E-H50MT4-24v	(A) Crimper No Quick Change
E-H50MT4-24v-QCT-DRAWS	(B) Crimper Inc. Quick Change
E-H50MODULAR-12V	12v Modular Crimper
E-H50MODULAR-24V	24v Modular Crimper

UP TO 1 ¼" | MULTI VOLTAGE | EASY CHANGE DIES | MOBILE FRIENDLY | DIAL CALIBRATION

A

H50-46 Mobile Series

The E-H50-46 series mobile crimper is capable of crimping hose up to 2" four wire, with an easy to use push button operation, and is available in 12v and 24v applications. Great for van set ups with it lightweight and space saving design. Available with or without Quick Change die draws.. The H50-46 mobile is also available in a modular format which breaks the machine down to 3 compontents, crimp head, control unit and pump allowing for a customisable set up to suit your van layout.

B

- **Hose capacity: 3/16" - 2" 4 wire & 1 ½" 6 wire**
- **Crimper Force: 3195kN**
- **Cycle Time: O/C 7.5 Sec - C/O 4 Sec**
- **Also available in modular design to suit your van layout.**

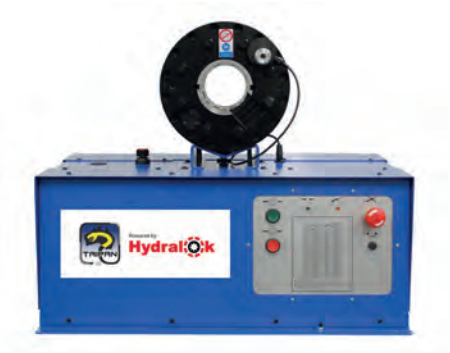
C

Part Number	Description
E-H50MT46-12V	(A) Crimper No Quick Change
E-H50MT46-12V-QCT-DRAWS	(B) Crimper Inc. Quick Change
E-H50MT46-24V	(A) Crimper No Quick Change
E-H50MT46-24V-QCT-DRAWS	(B) Crimper Inc. Quick Change
E-H50-46MODULAR-12V	12V Modular Crimper
E-50-46MODULAR-24v	24V Modular Crimper

*Please note the H50-46 is capable of crimping Taipan's range of 2" 6 wire assemblies

UP TO 1 ¼" | MULTI VOLTAGE | EASY CHANGE DIES | MOBILE FRIENDLY | DIAL CALIBRATION

Crimpers



ECO Series

The ECO series crimper is capable of crimping hose up to 2" 4 wire and 1 ½" 6 wire with an easy to use push button operation. The Eco series is available in single and three Phase power options depending on model ordered. Great for workshop set ups at a lower up front cost. Comes with die rack as shown.

Part Number	Description	Die Type
E-H32B4 (ECO)	1 ¼" (4 wire) Crimper with dies	H Series
E-H50B4 (ECO)	2" (4 wire) Crimper with dies	L Series
E-H50B46 (ECO)	2" & ½" (6 wire) Crimper with dies	M series

*Please note the H50-46 is capable of crimping Taipan's range of 2" 6 wire assemblies

UP TO 2"

ELECTRICALLY OPERATED

EASY CHANGE DIES

DIAL CALIBRATION

Crimpers

HydraTouch Series

The Hydratouch series crimpers are capable of crimping hose up to 2" six wire hose, with an easy to use foot pedal or button operation and new touch-screen technology for easy crimp selection and updating. The Hydratouch Series is available in single and three Phase power options depending on model ordered. Great for workshop set ups. Comes with die rack as shown.

Part Number	Description	Die Type
E-H32CE4Q	1 ¼" (4 wire) Crimper with dies	H Series
E-H50CE4Q	2" (4 wire) Crimper with dies	L Series
E-H50CE46Q	2" & ½" (6 wire) Crimper with dies	M series
E-H50CE6Q	2" (6 wire) Crimper with dies	M series

*Please note the H50-46 is capable of crimping Taipan's range of 2" 6 wire assemblies

Hydraflare & Static Hose Tester

Hydraflare

You can flare tube from 1/4" up to 1 1/2" or 42mm using a Twin speed hand pump, with an integral relief valve. The hand pump produces up to 690bar (10,000psi) and comes with an easy to read Pressure Gauge.

Part Number	Description
E-HF1	Hydraflare tool with hand pump (1")
E-HF3	Hydraflare tool with hand pump (1 1/2")

Part Number	Tube	To Suit Tube Nut & Sleeve (QTIA9/10k--)
E-PF1-04	1/4"	7/16" JIC
E-PF1-05	5/16"	1/2" JIC
E-PF1-06	3/8"	9/16" JIC
E-PF1-08	1/2"	3/4" JIC
E-PF1-10	5/8"	7/8" JIC
E-PF1-12	3/4"	1 1/16" JIC
E-PF1-16	1"	1 5/16" JIC
E-PF3-20	1 1/4"	1 5/8" JIC
E-PF3-24	1 1/2"	1 7/8" JIC

*Metric dies also available

UP TO 1 1/2"

LIGHTWEIGHT

PRESSURE GAUGE

Die Charts

H Series Dies

Die No.	Range	Length	Max Ferrule dia.	Die No.	Range	Length	Max Ferrule Dia.
H06*	06.0 - 07.9	40	18	H24	24.0 - 27.9	50	36
H08*	08.0 - 09.9	40	20	H28	28.0 - 30.9	60	40
H10*	10.0 - 12.9	40	22	H31	31.0 - 33.9	60	43
H13*	13.0 - 15.9	40	25	H34	34.0 - 39.9	70	46
H16OS	16.0 - 18.9	55	28	H40	40.0 - 43.9	70	52
H19	19.0 - 20.9	40	31	H44	44.0 - 49.9	70	56
H21	21.0 - 23.9	40	33	H50	50.0 - 54.4	75	62

* Special dies available on request.

L Series Dies

Die No.	Range	Length	Max Ferrule dia.	Die No.	Range	Length	Max Ferrule dia.
L06*	06.0 - 07.9	40	18	L34	34.0 - 39.9	70	46
L08*	08.0 - 09.9	40	20	L40	40.0 - 43.9	70	52
L10*	10.0 - 12.9	40	22	L44	44.0 - 49.9	70	56
L13*	13.0 - 15.9	40	25	L50	50.0 - 54.4	80	62
L16OS	16.0 - 18.9	55	28	L54.5	54.5 - 57.9	80	67
L19	19.0 - 20.9	40	31	L58	58.0 - 61.9	105	70
L21	21.0 - 23.9	40	33	L62	62.0 - 69.9	110	74
L24	24.0 - 27.9	50	52	L70	70.0 - 76.9	110	82
L28	28.0 - 30.9	60	40				
L31	31.0 - 33.9	60	43				

* Special dies available on request.

M Series Dies

Die No.	Range	Length	Max Ferrule dia.	Die No.	Range	Legnth	Max Ferrule Dia.
M06*	06.0 - 07.9	40	18	M34	34.0 - 39.9	70	
M08*	08.0 - 09.9	40	20	M40	40.0 - 43.9	85	
M10*	10.0 - 12.9	40	22	M44	44.0 - 49.9	80	
M13*	13.0 - 15.9	40	25	M50	50.0 - 54.4	80	
M16OS	16.0 - 18.9	55	28	M54.5	54.5 - 57.9	100	
M19	19.0 - 20.9	40	31	M58	58.0 - 61.9	105	
M21	21.0 - 23.9	50	33	M62	62.0 - 69.9	110	
M24	24.0 - 27.9	50	36	M70	70.0 - 76.9	110	
M28	28.0 - 30.9	50	40	M77	77.0 - 83.0	120	
M31	31.0 - 33.9	60	43				

* Special dies available on request.

Crimper Equitment

E-H25 Mini Foam Insert

Part Number	Description		
E-H25-MINI FOAM INSERT	FOAM INSERTS X 8 FOR DIE CARRIERS H25MINI		

Hose Assembly Equipment

Foam Bullets

Part Number	Description	Qty	
FB07	1/4 FOAM BULLET 25TX 6MM	1+	
FB09	1/4 FOAM BULLET 25T X 9MM	1+	
FB11	3/8 FOAM BULLET 25T X 11MM	1+	
FB14	1/2 FOAM BULLET 25T X 14MM	1+	
FB21	3/4 FOAM BULLET 30T X 21MM	1+	
FB27	1 FOAM BULLET 30T X 27MM	1+	
FB27L	1 FOAM BULLET 50T X 27MM	1+	
FB33	1 1/4 FOAM BULLET 40T X 33MM	1+	
FB40	1 1/2 FOAM BULLET 45T X 40MM	1+	
FB40L	1 1/2 FOAM BULLET 50T X 40MM	1+	
FB53	2 INCH FOAM BULLET 50T X 53MM	1+	

Hose Assembly Equipment

Hose Cleaning Kit

Part Number	Description		
CES10	HOSE CLEANING KIT 6MM TO 50MM C.W 10 NOZZLES		

Test Equipment

Hydra Flare

Static Tester

Part Number	Description		
BPT-G175WL	HYDRASTATIC HOSE TESTER		

Test Equipment

Test Kit Analogue

Part Number	Description		
TEST KIT ANALOGUE	3 x GAUGES 25MPA, 40MPA, 60MPA TEST 20 COUPLINGS: M10*1 M14 x 1.5 G1/4 R1/4 UNF 7/16 NPT 1/4-18 3 x TEST HOSE LENGTH: 1.5M		

Test Equipment

Test Kit Digital

Part Number	Description		
TEST KIT DIGITAL	2 DIGITAL GAUGES 700BAR 2 X TEST HOSES 1.5M 9 TEST COUPLINGS 1/8 BSPP 1/4 BSPP 3/8 BSPP M10*1 M10*1.25 M14*1.5 7/16-20UNF 9/16-18UNF 1/4NPT 2 COUPLERS CASE/ JOHN DEERE * 1/8BSPF and KOMATSU/ HITACHI X M14*1.5F		

Hose Protectors

Caps

Hose Protectors

Code 61

Part Number	Description		
F61PC-12	PLASTIC CAP CODE 61 X 3/4		
F61PC-16	PLASTIC CAP CODE 61 X 1		
F61PC-20	PLASTIC CAP CODE 61 X 1 1/4		

Hose Protectors

Code 62

Part Number	Description		
F62PC-12	PLASTIC CAP CODE 62 X 3/4		
F62PC-16	PLASTIC CAP CODE 62 X 1		
F62PC-20	PLASTIC CAP CODE 62 X 1 1/4		

Hose Protectors

Heat Shrink

Part Number	Description		
CSC-2030P	CLEAN SEAL CAPSULES FITS 12 TO 18MM HEX		
CSC-2224P	CLEAN SEAL CAPSULES FITS 16 TO 21MM HEX		
CSC-2527P	CLEAN SEAL CAPSULES FITS 18 TO 23MM HEX		
CSC-3133P	CLEAN SEAL CAPSULES FITS 24 TO 29MM HEX		
CSC-3840P	CLEAN SEAL CAPSULES FITS 30 TO 36MM HEX		
CSC-4345P	CLEAN SEAL CAPSULES FITS 32 TO 41MM HEX		
CSC-5260P	CLEAN SEAL CAPSULES FITS 41 TO 50MM HEX		
CSC-5860P	CLEAN SEAL CAPSULES FITS 49 TO 56MM HEX		
CSC-6760P	CLEAN SEAL CAPSULES FITS 55 TO 65MM HEX		
CSC-8060P	CLEAN SEAL CAPSULES FITS 64 TO 78MM HEX		

Hose Protectors

JIC

Part Number	Description		
JC-07	PLASTIC CAP 7/16 JIC		
JC-09	PLASTIC CAP 9/16 JIC		
JC-12	PLASTIC CAP 3/4 JIC		
JC-14	PLASTIC CAP 7/8 JIC		
JC-17	PLASTIC CAP 1 1/16 JIC		
JC-21	PLASTIC CAPS 1 5/16 JIC		
JC-26	PLASTIC CAP 1 5/8 JIC		
JC-30	PLASTIC CAP 1 7/8 JIC		

Plugs

Hose Protectors

BSP

Part Number	Description		
BP-04	PLASTIC PLUG BSP		
BP-06	PLASTIC PLUG BSP		
BP-08	PLASTIC PLUG BSP		
BP-12	PLASTIC PLUG BSP		
BP-16	PLASTIC PLUG BSP		

Hose Protectors

JIC Male

Part Number	Description		
JP-07	PLASTIC PLUG 7/16 JICM		
JP-09	PLASTIC PLUG 9/16 JICM		
JP-12	PLASTIC PLUG 3/4 JICM		
JP-14	PLASTIC PLUG 7/8 JICM		
JP-17	PLASTIC PLUG 1 1/16 JICM		
JP-21	PLASTIC PLUG 1 5/16 JICM		
JP-26	PLASTIC PLUG 1 5/8 JICM		
JP-30	PLASTIC PLUG 1 7/8 JICM		

Hose Protectors

ORFS

Part Number	Description		
JP-11-ORFS	PLASTIC PLUG 11/16 ORFS		
JP-13-ORFS	PLASTIC PLUG 13/16 ORFS		
JP-16-ORFS	PLASTIC PLUG 1 ORFS		
JP-19-ORFS	PLASTIC PLUG 1 3/16 ORFS		
JP-23-ORFS	PLASTIC PLUG 1 7/16 ORFS		
JP-27-ORFS	PLASTIC PLUG 1 11/16 ORFS		

Hose Protection

Hose Protection

Safe Sleeve

MSHA approved
Meets the requirements of ISO 3457, EN4413 and EN1299
Recommended for use to protect personel near by from hose burst (pin hole tested)
Recommended temperature range -40 to 120 Deg C - UV resistant
Material - Polypropylene

Part Number	DESCRIPTION	Roll Size (M)	
SSMSHA-ID17	SAFE SLEEVE MSHA 17MM ID (27MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID23	SAFE SLEEVE MSHA 23MM ID (36MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID27	SAFE SLEEVE MSHA 27MM ID (42MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID30	SAFE SLEEVE MSHA 30MM ID (50MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID39	SAFE SLEEVE MSHA 39MM ID (62MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID46	SAFE SLEEVE MSHA 46MM ID (73MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID55	SAFE SLEEVE MSHA 55MM ID (87MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID62	SAFE SLEEVE MSHA 62MM ID (98MM FLAT) -40 TO 120 DEG	50M	

SSMSHA-ID78	SAFE SLEEVE MSHA 78MM ID (123MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID109	SAFE SLEEVE MSHA 109MM ID (172MM FLAT) -40 TO 120 DEG	50M	
SSMSHA-ID125	SAFE SLEEVE MSHA 125MM ID (197MM FLAT) -40 TO 120 DEG	50M	

Hose Protection

Scuff Cover

MSHA approved, RoHS, ISO6945
Polyester textile sleeve consists of polyester multifilament, with particularly smmoth inner wall, it could reduce frictional resistance problems providing easy installation.The tight woven construction helps dispensethe flow of fluid in a ruptured hose.
Material - Polyester
Operating Temperature -50 to 150 Deg C, Melting point 240 Deg C

Part Number	DESCRIPTION	Roll Size (M)	
SCMSHA-ID17	SCUFF COVER MSHA 17MM ID (27MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID23	SCUFF COVER MSHA 23MM ID (40MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID27	SCUFF COVER MSHA 27MM ID (45MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID30	SCUFF COVER MSHA 30MM ID (50MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID40	SCUFF COVER MSHA 40MM ID (65MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID44	SCUFF COVER MSHA 44MM ID (69MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID55	SCUFF COVER MSHA 55MM ID (90MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID60	SCUFF COVER MSHA 60MM ID (95MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID66	SCUFF COVER MSHA 66MM ID (104MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID73	SCUFF COVER MSHA 73MM ID (115MM FLAT) -50 TO 150 DEG	50M	
SCMSHA-ID94	SCUFF COVER MSHA 94MM ID (146MM FLAT) -50 TO 150 DEG	50M	

Continued on following page...

Hose Protection

Spiral Guard

General Purpose Flat Spiral Guard - Made from High Density Polyethylene (HDPE),
Black suitable for use -40 to 80 deg C
Oil Resistant and UV resistant
Other colours and FRAS rated available on request.

Part Number	I.D. (mm)	O.D. (mm)	Roll Size (M)
R12SSG-AHF	9.50	12.50	50
R16SSG-AHF	12.50	16.00	20
R20SSG-AHF	16.00	20.00	20
R25SSG-AHF	21.00	25.00	20
R32SSG-AHF	27.00	32.00	20
R40SSG-AHF	34.00	40.00	20
R50SSG-AHF	44.00	50.00	20
R63SSG-AHF	55.00	63.00	20
R75SSG-AHF	66.00	75.00	20
R90SSG-AHF	79.00	90.00	20
R110SSG-AHF	99.00	110.00	12

Ties/Restraints

Ties / Restraints

Bundle Straps

Bundling strip is made from 25mm length of PP Textile sleeve with a Steel buckle, It can hold up to 2450N weight. This product is widely used to bundle hydraulic hose or other cables. It can be quickly and easily assembled and dismantled. It can also be reused more than once.

Part Number	STRAP LENGTH		
TBS600	600MM		
TBS1000	1000MM		
TBS1500	1500MM		

Ties / Restraints

FCC Crimp Rings

For attaching SCMSHA & SSMSHA
Material - Mild steel Cr3 plated

Part Number	ID		
FCC04	25MM		
FCC06/08	32MM		
FCC10/12	38MM		
FCC16	48MM		
FCC20	59MM		
FCC24	65MM		
FCC32	82MM		

Hose Restraints - Wire Cable Stockings

What Is a Hose Restraint? A stocking or sock type hose restraint is a woven sleeve of helical design that shrinks and tightens when it is slid onto a hose. When fitted, the device will prevent uncontrolled movement of a pressure hose in the event of coupling disconnection or hose failure. The whipping motion of a failed hose can result in personal injury, property damage or death.

Construction - Two Ply Galvanised Strand Alloy Ferrules, Galvanised thimbles with Heat shrink protection (available in a variaty of colours)

Part Number	Hose I.D. (mm)	Grip Length On Hose	Breaking Strength KG/kN
HR2010	10-14	350	1500 / 15
HR2014	14-19	400	2400 / 24
HR2019	19-28	500	3800 /38
HR2028	28-40	600	5800 / 57
HR2040	40-50	800	5800 / 57
HR2050	50-60	900	10000 / 100
HR2060	60-70	900	10000 / 100
HR2070	70-85	1000	10000 / 100
HR2085	85-100	1000	16000 / 158
HR2100	100-120	1200	16000 / 158
HR2120	120-150	1400	21500 / 211
HR2150	150-190	1600	31000 / 305

Vinyl Bend Restrictors

Made from High quality PVC
Temperature rating - -40 to 90 Deg C
Widely used for pressure wash and Jacking hiose assemblies to reduce the bending stress near the hose coupling. This added protection prevents damage to the hose and ultimately extends the life cycle of the hose

Part Number	length	Min Hose OD	Max Hose OD
VBR-0095	134.6mm	9.5	14.6
VBR-0150	140mm	15.0	17.5
VBR-0175	152.4mm	17.5	19.0
VBR-0190	177.8mm	19.0	21.0

Zip Ties

Part Number	Description	Unit	
ZIPTIE 200 X 4.5 X100	Zip Tie	PKT	
ZIPTIE 280 X 4.5 X 100	Zip Tie	PKT	
ZIPTIE 360 X 7.5 X 100	Zip Tie Heavy Duty	PKT	
ZIPTIE 500 X 7.5 X 100	Zip Tie Heavy Duty	PKT	

O'Ring / Retaining Rings

O'Ring / Retaining Rings

BSPP

Part Number	Size		
BO02	1/8		
BO04	1/4		
BO06	3/8		
BO08	1/2		
BO12	3/4		
BO16	1		
BO20	1 1/4		
BO24	1 1/2		
BO32	2		

O'Ring / Retaining Rings

BSPP ED Seal

Part Number	Size		
OR-ED04	1/4		
OR-ED06	3/8		
OR-ED08	1/2		
OR-ED12	3/4		
OR-ED16	1		
OR-ED20	1 1/4		

O'Ring / Retaining Rings

BSPP Retaining Ring

Part Number	Size		
BRRO02	1/8		
BRRO04	1/4		
BRRO06	3/4		
BRR08	1/2		
BRR12	3/4		
BRR16	1		
BRR20	1 1/4		
BRR24	1 1/2		
BRR32	2		

O'Ring / Retaining Rings

ORFS Male O'Ring D90

Part Number	Size		
ORORFS09	9/16		
ORORFS11	11/16		
ORORFS13	13/16		
ORORFS16	1		
ORUNO19	1 3/16		
ORORFS23	1 7/16		
ORORFS27	1 11/16		
ORORFS32	2		

O'Ring / Retaining Rings

SAE Flange O'Ring D90

Part Number	Size		
ORFL08	1/2		
ORFL10	5/8		
ORFL12	3/4		
ORFL16	1		
ORFL20	1 1/4		
ORFL24	1 1/2		
ORFL32	2		

O'Ring / Retaining Rings

UNO O'Ring D90

Part Number	Size		
ORUNO07	7/16		
ORUNO09	9/16		
ORUNO12	3/4		
ORUNO14	7/8		
ORUNO17	1 1/16		
ORUNO21	1 5/16		

Couplers

Agriculture

Couplers

Ball Coupler

Manufactured from zinc plated carbon steel. Hardened ball contact areas. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.
Interchanges with DNP PPS1, Stucchi, IR (Ball) Series, Parker 4000.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRB-04F	300	1/4" BSPP	12	6.3	14.20
KQRB-04M	300	1/4" BSPP	12	6.3	14.20
KQRB-06F	250	3/8" BSPP	23	10	19.00
KQRB-06M	250	3/8" BSPP	23	10	19.00
KQRB-08F	200	1/2" BSPP	30	12.5	20.55
KQRB-08M	200	1/2" BSPP	30	12.5	20.55
KQRB-12F	200	3/4" BSPP	60	19	27.93
KQRB-12M	200	3/4" BSPP	60	19	27.93

Couplers

Ball Push Pull ISO7241-1 Series-A

Manufactured from zinc plated carbon steel. Hardened ball contact areas. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.
Interchanges with DNP PPS1, Stucchi, IR (Ball) Series, Parker 4000.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRB-08F-PP	200	1/2" BSPP	30	12.5	20.55

Couplers

Tractor Rigid Mount Breakaway Coupler

Interchanges with Inteva 1077 Series ISO 7421-A Faster 3CFPV, 4SRP, Parker RSD

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	
KQRP-08F-JD-PP-SW	275	1/2" BSPP	90	12.5	

Diagnostic Test Port

Couplers

Interchange 420 Bar

Interchanges with: Stauff Test 20, Parker EMA3 Series

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQFFTP-04F-BSPTF	420	1/4" BSPT	2	6.3	12.60
KQFFTP-04M-BSPTF	420	1/4" BSPT	2	6.3	12.60
KQFFTP-04F-UNO	420	7/16" UNO	2	6.3	12.60
KQFFTP-04M-UNO	420	7/16" UNO	2	6.3	12.60
KQFFTP-04F-NPTF	420	1/4" NPT	2	6.3	12.60
KQFFTP04M-NPTM	420	1/4" NPT	2	6.3	12.60

Couplers

Interchange 620 Bar

Interchanges with Inteva 136 Series, Faster DF Series, Parker PD Series.

Part Number	Pressure Rating/Bar	Male Thread	Rated Flow Rate L/M		
KQTPE04	620	1/4" BSPTM	0.8		
KQTPD02	620	1/8" BSPPM	0.8		
KQTPD04	620	1/4" BSPPM	0.8		
KQTPP07	620	7/16" UNO M	0.8		

Flat Face

Couplers

ISO16028 A-Series High-Pressure

Flat interface allows easy cleaning. Low spill, low air inclusion. Safety locking sleeve. 12-20 locking balls for optimum life. 3/8" sizes meets HTMA interchange dimensions.
Interchanges with DNP PLT4, Stucchi FITG/A Series, Faster 2FFI (up to 1/2") & FFN38, Parker FF (3/8" only, Hansen QA, Ryco R110-06/08, Safeway FF49, Aeroquip FD89/FD49

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRF-02-02AF	500	1/8" BSPP	3	5.0	13.60
KQRF-02-02AM	500	1/8" BSPP	3	5.0	13.60
KQRF-04-04F	400	1/4" BSPP	12	6.3	16.20
KQRF-04-04M	400	1/4" BSPP	12	6.3	16.20
KQRF-06-06F	350	3/8" BSPP	23	10.0	19.80
KQRF-06-06M	350	3/8" BSPP	23	10.0	19.80
KQRF-06-08F	350	1/2" BSPP	23	10.0	19.80
KQRF-06-08F-UNO	350	3/4" UNO	23	10.0	19.80
KQRF-06-08M	350	1/2" BSPP	23	10.0	19.80

Continued on following page...

Couplers

ISO16028 A-Series High-Pressure *Continued...*

KQRF-06-08M-UNO	350	3/4" UNO	23	10.0	19.80
KQRF-08-08AF	350	1/2" BSPP	45	12.5	24.60
KQRF-08-08AM	350	1/2" BSPP	45	12.5	24.60
KQRF-08-10F UNO	350	7/8" UNO	45	12.5	24.60
KQRF-08-10M UNO	350	7/8" UNO	45	12.5	24.60
KQRF-08-12F	350	3/4" BSPP	45	12.5	24.60
KQRF-08-12F UNO	350	1 1/16" UNO	45	12.5	24.60
KQRF-08-12M	350	3/4" BSPP	45	12.5	24.60
KQRF-08-12M UNO	350	1 1/16" UNO	45	12.5	24.60
KQRF-10-12F-BSP	350	3/4" BSPP	74	16.0	27.00
KQRF-10-12F-UNO	350	1 1/16" UNO	74	16.0	27.00
KQRF-10-12M-BSP	350	3/4" BSPP	74	16.0	27.00
KQRF-10-12M-UNO	350	1 1/16" UNO	74	16.0	27.00
KQRF-12-12F BSP	350	3/4" BSPP	100	19.0	30.00
KQRF-12-12F UNO	350	1 1/16" UNO	100	19.0	30.00
KQRF-12-12M BSP	350	3/4" BSPP	100	19.0	30.00
KQRF-12-12M-UNO	350	1 1/16" UNO	100	19.0	30.00
KQRF-12-16F	350	1" BSPP	100	19.0	30.00
KQRF-12-16F-UNO	350	1 5/16" UNO	100	19.0	30.00
KQRF-12-16M	350	1" BSPP	100	19.0	30.00
KQRF-12-16M-UNO	350	1 5/16" UNO	100	19.0	30.00
KQRF-16-16F BSP	350	1" BSPP	189	25.0	36.00
KQRF-16-16M BSP	350	1" BSPP	189	25.0	36.00
KQRF-16-20F	350	1 1/4" BSPP	189	25.0	36.00
KQRF-16-20M	350	1 1/4" BSPP	189	25.0	36.00
KQRF-20-20F	250	1 1/4" BSPP	260	31.5	44.00
KQRF-20-20M	250	1 1/4" BSPP	260	31.5	44.00
KQRF-24-24F	250	1 1/2" BSPP	379	40.0	57.00
KQRF-24-24M	250	1 1/2" BSPP	379	40.0	57.00

Couplers

ISO16028 A-Series High-Pressure Bulkhead

Interchanges with: DNP PLT4, STUCCHI FIRG/A SERIES, Faster 2FFI (up to 1/2") & FFN38, Parker FF (3/8" only), Hansen QA, Ryco R110-06/08, Safeway FF49, Aeroquip FD89/FD49
Flat interface allows easy cleaning. Low spill, low air inclusion. Safety locking sleeve. 12-20 locking balls for optimum life. 3/8" sizes meets HTMA interchange dimensions.

Part Number	Pressure Rating/Bar	Male Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRF-08-10F-5/8ORFSBH	350	1" ORFS BH	45	12.5	24.60
KQRF-08-10F-7/8JICBH	350	7/8" JIC BH	45	12.5	24.60
KQRF-08-10M-5/8ORFSBH	350	1" ORFS BH	45	12.5	24.60
KQRF-08-10M-7/8JICBH	350	7/8" JIC BH	45	12.5	24.60

Couplers

ISO16028 A-Series High-Pressure Caps and Plugs

Aluminium

Part Number	Size	Type	Fits Gender	Material	
KQRC-04C-FF	1/4	Cap	Male	PVC	
KQRC-04P-FF	1/4	Plug	Female	PVC	
KQRC-06C-FF	3/8	Cap	Male	PVC	
KQRC-06P-FF	3/8	Plug	Female	PVC	
KQRC-08C-FF	1/2	Cap	Male	PVC	
KQRC-08P-FF	1/2	Plug	Female	PVC	
KQRC-10C-FF	5/8	Cap	Male	PVC	
KQRC-10C-FF-AL	5/8	Cap	Male	Aluminium	
KQRC-10P-FF-AL	5/8	Plug	Female	Aluminium	
KQRC-12C-FF	3/4	Cap	Male	PVC	
KQRC-12P-FF	3/4	Plug	Female	PVC	
KQRC-16C-FF	1	Cap	Male	PVC	
KQRC-16P-FF	1	Plug	Female	PVC	

Couplers

ISO16028 A-Series High-Pressure Connect Under Pressure

Interchanges with: DNP PLT4, STUCCHI FIRG/A SERIES, Faster 2FFI (up to 1/2") & FFN38, Parker FF (3/8" only), Hansen QA, Ryco R110-06/08, Safeway FF49, Aeroquip FD89/FD49

Flat interface allows easy cleaning. Low spill, low air inclusion. Safety locking sleeve. 12-20 locking balls for optimum life. 3/8" sizes meets HTMA interchange dimensions.
CUP = CONNECT UNDER PRESSURE

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRF-08-08M-CUP	350	1/2" BSPP	45	12.5	24.50
KQRF-08-10M UNO-CUP	350	7/8" UNO	45	12.5	24.50
KQRF-08-12M UNO-CUP	350	1 1/16" UNO	45	12.5	24.50

Jacking

Couplers

ISO14541 700 BAR Caps and Plugs

Part Number	Size	Type	Fits Gender	Material	
KQRC-04C-J	1/4	Cap	Male	STEEL	
KQRC-04P-J	1/4	Plug	Female	STEEL	
KQRC-06P/C-J	3/8	Cap and Plug	Uni-Sex	PVC	

Couplers

ISO14540 700 BAR

Designed for high pressure hydraulic applications such as jacking systems.

FF = Flat Face

Part Number	Pressure Rating/Bar	Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRJ-04F	700	1/4" NPTM	5	6.3	15.90
KQRJ-04M	700	1/4" NPTF	5	6.3	15.90
KQRJ-06F-NPTF	700	3/8" NPTF	9	10.0	19.00
KQRJ-06F-NPTM	700	3/8" NPTM	9	10.0	19.00
KQRJ-06M-NPTF	700	3/8" NPTF	9	10.0	19.00
KQRJFF-04-06F-NPT	700	3/8" NPTF	12	6.3	16.60
KQRJFF-04-06M-NPT	700	3/8" NPTF	12	6.3	16.60

NORDIC Interchange

Couplers

Interchange Tema T Series

Interchanges with: Tema T and H series, Stucchi IRH series and CEJN 525
Manufactured from zinc plated carbon steel. Hardened ball contact areas. Double o'ring and backup for extra sealing capacity.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRT-04F	400	1/4" BSPP	12	6.3	11.95
KQRT-04M	400	1/4" BSPP	12	6.3	11.95
KQRT-06F	370	3/8" BSPP	45	10.0	20.00
KQRT-06M	370	3/8" BSPP	45	10.0	20.00
KQRT-08F	350	1/2" BSPP	90	12.5	24.80
KQRT-08M	350	1/2" BSPP	90	12.5	24.80
KQRT-12F	300	3/4" BSPP	212	19.0	32.70
KQRT-12M	300	3/4" BSPP	212	19.0	32.70
KQRT-16F	300	1" BSPP	380	25.0	40.90
KQRT-16M	300	1" BSPP	380	25.0	40.90

Couplers

Tema T Series Caps, Plugs & Seal Kits

Part Number	Size	Type	Fits Gender	Material	
KQRC-06P-B/TEMA	3/8	Plug	Female	PVC	
KQRC-08C-B/TEMA	1/2	Cap	Male	PVC	
KQRC-08P-B/TEMA	1/2	Plug	Female	PVC	
KQRC-12C-T	3/4	Cap	Male	PVC	

Continued on following page...

KQRC-12P-T	3/4	Plug	Female	PVC	
KQRC-16C-T	1	Cap	Male	PVC	
KQRC-16P-T	1	Plug	Female	PVC	
KQRT-08-SEAL KIT	1/2	Seal Kit			
KQRT-12-SEAL KIT	3/4	Seal Kit			
KQRT-16-SEAL KIT	1	Seal Kit			

Couplers

Interchange Tema T Series Connect Under Pressure

Interchanges with: Tema series, Stucchi IRH series and CEJN 525

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRT-12F-E	300	3/4" BSPP	212	19.0	32.70
KQRT-12M-E	300	3/4" BSPP	212	19.0	32.70
KQRT-16F-E	300	1" BSPP	380	25.0	40.90
KQRT-16M-E	300	1" BSPP	380	25.0	40.90

PBR Interchange

Couplers

Caps, Plugs & Seal Kits

Part Number	Size	Type	Fits Gender	Material	
KQRC-16C-PBR	1	Cap	Male	PVC	
KQRC-16P-PBR	1	Plug	Female	PVC	
KQRP-16SK-PBR	1	Seal Kit			

Couplers

Poppet Coupler

Manufactured from zinc plated carbon steel. Hardened ball contact areas. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-16F-PBR	300	1" BSPP	200	25.0	38.00
KQRP-16M-PBR	300	1" BSPP	200	25.0	38.00

Poppet

Couplers

ISO7241-1 A Series

Manufactured from zinc plated carbon steel. Hardened ball contact areas. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.

Interchanges with: DNP PAV1, STUCCHI BIR, Faster ANV, Hansen HA, Parker 6600, 2000 and Aeroquip 5600, G5600, Ryco R81/82(1/2,3/4&1"), Safeway S56.
CUP = CONNECT UNDER PRESSURE

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRP-04F-A	250	1/4" BSPP	12	6.3	11.85
KQRP-04M-A	250	1/4" BSPP	12	6.3	11.85
KQRP-06F-A	250	3/8" BSPP	23	10.0	17.30
KQRP-06M-A	250	3/8" BSPP	23	10.0	17.30
KQRP-08F-A/NV	250	1/2" BSPP	45	12.5	20.55
KQRP-08F-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55
KQRP-08F-M22	250	M22 X 1.5	45	12.5	20.55
KQRP-08M-7/8UNO	250	7/8" UNO	45	12.5	20.55
KQRP-08M-A/NV	250	1/2" BSPP	45	12.5	20.55
KQRP-08M-A/NV-3/4UNO	250	3/4" UNO	45	12.5	20.55
KQRP-08M-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55
KQRP-08M-M22	250	M22 X 1.5	45	12.5	20.55
KQRP-12F-A	250	3/4" BSPP	106	20.0	29.10
KQRP-12M-A	250	3/4" BSPP	106	20.0	29.10
KQRP-16F-A	200	1" BSPP	189	25.0	34.35
KQRP-16M-A	200	1" BSPP	189	25.0	34.35
KQRP-20F-A	200	1 1/4" BSPP	288	31.5	45.00
KQRP-20M-A	200	1 1/4" BSPP	288	31.5	45.00
KQRP-24F-A	60	1 1/2"BSPP	379	40.0	55.00
KQRP-24M-A	60	1 1/2"BSPP	379	40.0	55.00

Couplers

ISO7241-1 A-Series Caps, Plugs & Seal Kits

Part Number	Size	Type	Fits Gender	Material	
KQRC-04C-A	1/4	Cap	Male	PVC	
KQRC-04P-A	1/4	Plug	Female	PVC	
KQRC-06C-A	3/8	Cap	Male	PVC	
KQRC-06P-A	3/8	Plug	Female	PVC	
KQRC-08C-A/NV-BLACK	1/2	Cap	Male	PVC	
KQRC-08C-A/NV-BLUE	1/2	Cap	Male	PVC	
KQRC-08C-A/NV-GREEN	1/2	Cap	Male	PVC	

ISO7241-1 A-Series Caps, Plugs & Seal Kits *Continued...*

ADC

KQRC-08C-A/NV-YELLOW	1/2	Cap	Male	PVC	
KQRC-08C-ANV-ORANGE	1/2	Cap	Male	PVC	
KQRC-08C-ANV-RED	1/2	Cap	Male	PVC	
KQRC-08C-A/NV ADC	1/2	Cap	Female	PVC	
KQRC-08P-A/NV-BLACK	1/2	Plug	Female	PVC	
KQRC-08P-A/NV-BLU	1/2	Plug	Female	PVC	
KQRC-08P-A/NV-GREEN	1/2	Plug	Female	PVC	
KQRC-08P-A/NV-YELLOW	1/2	Plug	Female	PVC	
KQRC-08P-ANV-RED	1/2	Plug	Female	PVC	
KQRP-08F-A/NV-SK	1/2	Seal Kit			
KQRC-12C-A	3/4	Cap	Male	PVC	
KQRC-12C-A-BLACK	3/4	Cap	Male	PVC	
KQRC-12C-A-GREY	3/4	Cap	Male	PVC	
KQRC-12P-A	3/4	Plug	Female	PVC	
KQRC-12P-A-BLACK	3/4	Plug	Female	PVC	
KQRC-12P-A-GREY	3/4	Plug	Female	PVC	
KQRC-16C-A	1	Cap	Male	PVC	
KQRC-16P-A	1	Plug	Female	PVC	

ISO7241-1 A-Series Connect Under Pressure

Interchanges with: DNP PDV1, Parker 4000 Series & Faster NV Series.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-08F-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55
KQRP-08M-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55

ISO7241-1 A Series Push Pull

Interchanges with DNP PPS1, PPV3, PPV1, Ryco R91 & R86, Stucchi 1RS/I

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-08F-A/NV-3/4UNO-PP	250	3/4" UNO	45	12.5	20.55
KQRP-08F-PP	250	1/2" BSPP	45	12.5	20.55
KQRP-08F-7/8UNO-PP	250	7/8" UNO	45	12.5	20.55

Couplers

ISO7241-1 B-Series

Interchanges with: DNP PBV1, Faster HNV, Hansen HK, Parker 60 Series - H , AEROQUIP 60B/F6600 and Safeway S10

Manufactured from zinc plated carbon steel. Hardened ball contact areas. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-06F-B	250	3/8" BSPP	23	10.0	19.10
KQRP-06M-B	250	3/8" BSPP	23	10.0	19.10
KQRP-08F-B	250	1/2" BSPP	45	12.5	23.55
KQRP-08M-B	250	1/2" BSPP	45	12.5	23.55
KQRP-12F-B	250	3/4" BSPP	106	20.0	31.45
KQRP-12M-B	250	3/4" BSPP	106	20.0	31.45
KQRP-16F-B	200	1" BSPP	189	25.0	37.77
KQRP-16M-B	200	1" BSPP	189	25.0	37.77

Couplers

ISO7241-1 B B-Series (Carpet Cleaners)

Interchanges with: DNP PBV1, Faster HNV, Hansen HK, Parker 60 Series - H , AEROQUIP 60B/F6600 and Safeway S10
Manufactured BRASS. Standard seals are nitrile, back up rings are PTFE. Viton seals are available on request.

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-04F-B-BRASS	200	1/4"BSPP	12	6.3	14.20
KQRP-04M-B-BRASS	200	1/4" BSPP	12	6.3	14.20

Couplers

NV Series

Interchanges with: DNP PDV1, Parker 4000 Series & Faster NV Serie.
CUP = CONNECT UNDER PRESSURE

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRP-04F-NV	400	1/4" BSPP	12	6.3	14.20
KQRP-04M-NV	400	1/4" BSPP	12	6.3	14.20
KQRP-06F-NV	350	3/8" BSPP	23	10.0	19.00
KQRP-06M-NV	350	3/8" BSPP	23	10.0	19.00
KQRP-08F-A/NV	250	1/2" BSPP	45	12.5	20.55
KQRP-08F-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55
KQRP-08F-M22	250	M22 X 1.5	45	12.5	20.55
KQRP-08M-7/8UNO	250	7/8" UNO	45	12.5	20.55

Couplers

NV Series *Continued...*

KQRP-08M-A/NV	250	1/2" BSPP	45	12.5	20.55
KQRP-08M-A/NV-3/4UNO	250	3/4" UNO	45	12.5	20.55
KQRP-08M-A/NV-CUP	250	1/2" BSPP	45	12.5	20.55
KQRP-08M-M22	250	M22 X 1.5	45	12.5	20.55
KQRP-12F-NV	250	3/4" BSPP	106	20.0	28.00
KQRP-12M-NV	250	3/4" BSPP	106	20.0	28.00
KQRP-16F-NV	250	1" BSPP	189	25.0	31.30
KQRP-16M-NV	250	1" BSPP	189	25.0	31.30

Couplers

NV Series Caps, Plugs & Seal Kits

Part Number	Size	Type	Fits Gender	Material	ISO
KQRC-04C-NV	1/4	Cap	Male	PVC	
KQRC-04P-NV	1/4	Plug	Female	PVC	
KQRC-06C-NV	3/8	Cap	Male	PVC	
KQRC-06P-NV	3/8	Plug	Female	PVC	
KQRC-12C-NV	3/4	Cap	Male	PVC	
KQRC-12P-NV	3/4	Plug	Female	PVC	
KQRC-16C-NV	1	Cap	Male	PVC	
KQRC-16P-NV	1	Plug	Female	PVC	
KQRP-08F-A/NV-SK	1/2	Seal Kit			
KQRP-12F-NV-SK	3/4	Seal Kit			19.00
KQRP-16F-A-SK	1	Seal Kit			25.00
KQRP-16F-NV-SK	1	Seal Kit			25.00

Screw Together Couplers

Couplers

ISO14541 Poppet

Interchanges with: DNP PVV3, Stucchi VD series, Faster CVV, Parker QHPA & Ryco R120

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Thread Diameter ø
KQRS-04F-VD	450	1/4" BSPP	12	6.3	24.00
KQRS-04M-VD	450	1/4" BSPP	12	6.3	24.00
KQRS-06F-VD	400	3/8" BSPP	23	10.0	28.00
KQRS-06M-VD	400	3/8" BSPP	23	10.0	28.00
KQRS-08F-VD	400	1/2" BSPP	45	12.5	36.00
KQRS-08M-VD	400	1/2" BSPP	45	12.5	36.00
KQRS-12F-VD	300	3/4" BSPP	106	19.0	42.00
KQRS-12M-VD	300	3/4" BSPP	106	19.0	42.00
KQRS-16-12F-VD	300	3/4" BSPP	189	25.0	48.00
KQRS-16-12M-VD	300	3/4" BSPP	189	25.0	48.00
KQRS-16F-VD	300	1" BSPP	189	25.0	48.00
KQRS-16M-VD	300	1" BSPP	189	25.0	48.00

Couplers

Poppet

Interchanges with DNP-VDVI and Faster VV series

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter Φ
KQRS-08F-VV	300	1/2" BSPP	45	12.5	20.50
KQRS-08M-VV	300	1/2" BSPP	45	12.5	20.50
KQRS-12F-VV	250	3/4" BSPP	106	19.0	27.90
KQRS-12M-VV	250	3/4" BSPP	106	19.0	27.90

Screw Together Flat Face Couplers

Couplers

Flat Face

Interchanges with: DNP PVT4 (-20) and PST4, Stucchi VEP series, Aeroquip FD96

Part Number	Pressure Rating/Bar	Female Thread	Rated Flow Rate L/M	ISO Coupler Body Size	Male Tip Diameter ø
KQRS-08-08F-FF-BSP	350	1/2" BSPP	45	12.5	24.50
KQRS-08-08M-FF-BSP	350	1/2" BSPP	45	12.5	24.50
KQRS-10-12F-FF-BSP	350	3/4" BSPP	74	16.0	27.00
KQRS-10-12M-FF-BSP	350	3/4" BSPP	74	16.0	27.00
KQRS-12-16F-FF-BSP	350	1" BSPP	100	19.0	29.90
KQRS-12-16M-FF-BSP	350	1" BSPP	100	19.0	29.90
KQRS-16-16F-FF-BSP	350	1" BSPP	189	25.0	36.00
KQRS-16-16M-FF-BSP	350	1" BSPP	189	25.0	36.00
KQRS-16-20F-FF-BSP	350	1 1/4" BSPP	189	25.0	36.00
KQRS-16-20M-FF-BSP	350	1 1/4" BSPP	189	25.0	36.00
KQRS-20-20F-FF-BSP	350	1 1/4" BSPP	288	31.5	44.00
KQRS-20-20M-FF-BSP	350	1 1/4" BSPP	288	31.5	44.00
KQRS-24-24F-FF-BSP	300	1 1/2" BSPP	379	40.0	56.90
KQRS-24-24M-FF-BSP	300	1 1/2" BSPP	379	40.0	56.90

Couplers

ISO14541 Caps and Plugs

Part Number	Size	Type	Fits Gender	Material	
KQRC-06C-VD	3/8	Plug	Male	PVC	
KQRC-06P-VD	3/8	Cap	Female	PVC	
KQRC-08C-VD	1/2	Plug	Male	PVC	
KQRC-08C-VD-AL	1/2	Cap	Male	ALUMINIUM	
KQRC-08P-VD	1/2	Cap	Female	PVC	
KQRC-08P-VD-AL	1/2	Cap	Female	ALUMINIUM	
KQRC-12P-VD	3/4	Cap	Female	PVC	
KQRC-12P-VD-AL	3/4	Cap	Female	ALUMINIUM	
KQRC-12C-VD	3/4	Plug	Male	PVC	
KQRC-12C-VD-AL	3/4	Cap	Male	ALUMINIUM	
KQRC-16C-VD	1	Cap	Male	PVC	
KQRC-16P-VD	1	Plug	Female	PVC	

Seals (Bonded Washers)

Seals

BSP Self Centering Seal

Part Number	Size		
QD-02	1/8		
QD-04	1/4		
QD-06	3/8		
QD-08	1/2		
QD-12	3/4		
QD-16	1		
QD-20	1 1/4		
QD-24	1 1/2		
QD-32	2		
QD-KIT	Imperial Assortment Kit		

Seals

Metric Self Centering Seal

Part Number	Size		
QDM-10	10mm		
QDM-12	12mm		
QDM-14	14mm		
QDM-16	16mm		
QDM-18	18mm		
QDM-20	20mm		
QDM-22	22mm		
QDM-24	24mm		

Seals	Metric Self Centering Seal *Continued...*			
KIT	QDM-26	26mm		
	QDM-27	27mm		
	QDM-30	30mm		
	QDM-33	34mm		
	QDM-36	36mm		
	QDM-42	42mm		
	QDM-45	45mm		
	QDM-48	48mm		
	QDM-52	52mm		
	QDM-KIT	Metric Assortment Kit		

All of our Dowty seals are made from Nitrile NBR. Nitrile is based on Acrylonitrile Butadiene Copyolymer material that is resistant to all mineral oils, water and watery liquids. It is also resistant to hot air and numerous other chemicals. Nitrile NBR is a general purpose rubber and is used in a variety of applications. Operating Temprature Range -30°C - 110°C

Taimi Straight Swivels

Straight Swivels	BSP Male/Female			
	Part Number	Description		
	SZ-P08M-P08F	SWIVEL M/F BSPP 6250PSI		
	SZ-P12M-P12F	SWIVEL M/F BSPP 6250PSI		

Straight Swivels	BSP Male/Male			
	Part Number	Description		
	SZ-P12M-P12M	SWIVEL M BSPP 6250PSI		

Straight Swivels	JIC Male/Female			
	Part Number	Description		
	SZ-J08M-JB08F	SWIVEL M/F JIC 6250PSI		
	SZ-J10M-JB10F	SWIVEL M/F JIC 6250PSI		
	SZ-J12M-JB12F	SWIVEL M/F JIC 6250PSI		
	SZ-J16M-JB16F	SWIVEL M/F JIC 6250PSI		

Continued on following page...

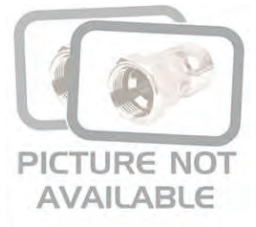
Straight Swivels

JIC Male/Male

Part Number	Description		
SZ-J06M-J06M	SWIVEL MALE JIC 6250PSI		

Straight Swivels

ORFS Male/Female



Part Number	Description		
SZ-S16M-S16F	SWIVEL M/F ORFS 6250PSI		

Straight Swivels

ORFS Male/Male

Part Number	Description		
SZ-S12M-S12M	SWIVEL M ORFS 6250PSI		
SZ-S16M-S16M	SWIVEL M ORFS 6250PSI		

90° Swivels

ORFS x UNO Female/Male

Part Number	Description		
SZ90-S12M-B12F	SWIVEL 6250PSI 90 DEG MALE ORFS X F/M ORB		

90° Swivels

BSPP x UNO Female/Male

Part Number	Description		
SZ90-P08M-B08F	SWIVEL 6250PSI 90 DEG MALE BSPP X F/M ORB		
SZ90-P12M-B12F	SWIVEL 6250PSI 90 DEG MALE BSPP X F/M ORB		
SZ90-P16M-B16F	SWIVEL 6250PSI 90 DEG MALE BSPP X F/M ORB		

Straight Swivels

Seal Kit

Part Number	Description		
SZ-06-001SK-A	SEAL KIT - J06		
SZ-08-001SK-A	SEAL KIT - J08		
SZ-08-002SK-A	SEAL KIT - S08/P08/F08		
SZ-10-001SK-A	SEAL KIT - J10/P10/F10		
SZ-12-001SK-A	SEAL KIT - J12/P12/F1		
SZ-12-002SK-A	SEAL KIT - S12		
SZ-16-001SK-A	SEAL KIT - J16/P16/F16		
SZ-16-002SK-A	SEAL KIT - S16		

NOTES

GET CLOSER TO YOUR CUSTOMER **WITH TAIPAN ON-SITE CONTAINER STORES**

Do you have customers running large fleets of machinery at industrial operations in remote or rural areas?

These customers need large quantities of parts available virtually on-demand to keep their operations running.

Our On-Site Container Stores are co-branded with your business name and logo alongside Taipan branding, enabling you to maintain a supply of product at your customer's work site, where it's needed most.

- Gives the stockist's customer immediate access to hose systems, adaptors and accessories, so they can reduce machinery downtime and simplify maintenance tasks
- Cements relationships between stockists and their customers
- Taipan works with its customers to keep the container stores stocked
- Can be customised to the needs of each work-site
- Taipan On-Site Container Stores are made available on a case-by-case basis.

- **Safety**
- **Reliability**
- **Performance**

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PH: 07 5428 1211
Fax: 07 5428 1311

MELBOURNE
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Sunshine West, VIC 3020
PH: 03 9109 2109
Fax: 03 8317 9049

PERTH
3 Mordaunt Circuit
Canning Vale, WA 6155
PH: 08 9456 5448
Fax: 08 9256 1242

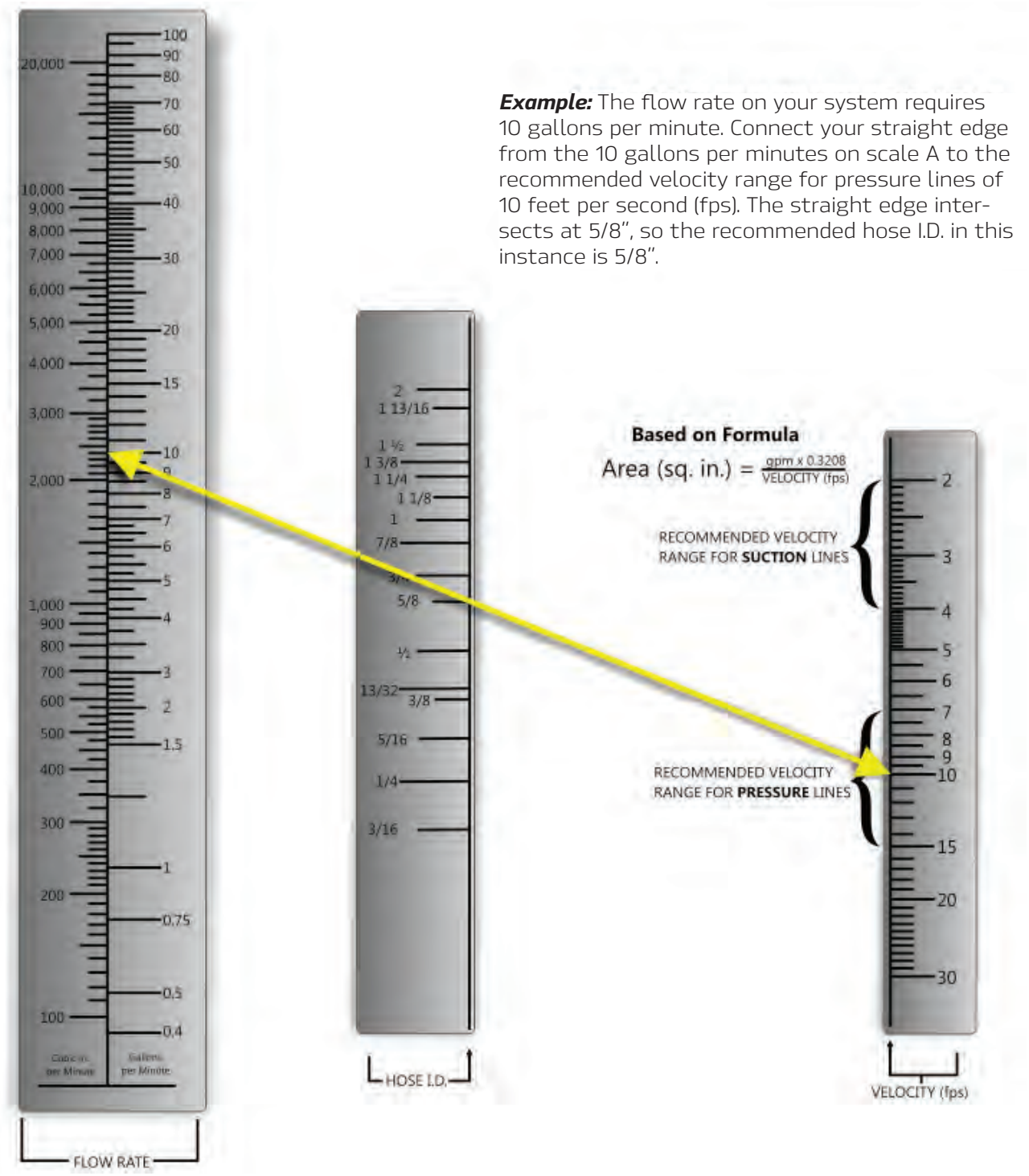
PH: 1300 654 782
www.taipan.com.au

TAIPAN
Hydraulic Hose Systems

SECTION 5
TECHNICAL INFORMATION

Hose Flow Chart

How to use this Chart: *Determine the proper flow rate that your system requires, then connect a straight edge from the selected flow rate to the recommended velocity range. The required hose I.D. will appear at the intersection of the striaght edge and the centre column. If the straight edge passes through the scale between sized listed, use the next largest I.D. hose.*



Example: The flow rate on your system requires 10 gallons per minute. Connect your straight edge from the 10 gallons per minutes on scale A to the recommended velocity range for pressure lines of 10 feet per second (fps). The straight edge intersects at 5/8", so the recommended hose I.D. in this instance is 5/8".

Coupling & Adaptor Recommendation

For DIN 2353 12°, 30°and Universal Inverted Cone					
Size O.D mm		Ft. Lbs.		Newton-meters	
Light Series Tube	Heavy Series Tube	Min.	Max.	Min.	Max.
-6	-	7	15	10	20
-8	-	15	26	20	35
-10	-8	18	30	25	40
-12	-10	22	33	30	45
-14	-12	26	37	35	50
-15	-14	30	52	40	70
-	-16	30	52	40	70
-18	-	44	74	60	100
-22	-20	59	89	80	120
-28	-25	74	111	100	150
-	-30	74	162	150	220
-35	-	133	184	180	250
-42	-38	148	221	200	300

For BSP 30° Inverted Cone					
Size		Ft. Lbs.		Newton-meters	
Dash	Inch	Min.	Max.	Min.	Max.
-2	1/8	7	9	9	12
-4	1/4	11	18	15	24
-6	3/8	19	28	26	38
-8	1/2	30	36	41	49
-10	5/8	37	44	50	60
-12	3/4	50	60	68	81
-16	1	79	95	107	129
-20	1 1/4	127	152	172	206
-24	1 1/2	167	190	226	258
-32	2	262	314	355	426

For Flat-Face "O" Ring Seal (Steel)					
Size		Ft. Lbs.		Newton-meters	
Dash	Inch	Min.	Max.	Min.	Max.
-4	1/4	10	12	14	16
-6	3/8	18	20	24	27
-8	1/2	32	40	43	54
-10	5/8	46	56	60	75
-12	3/4	65	80	90	110
-14	7/8	65	80	90	110
-16	1	92	105	125	240
-20	1 1/4	125	140	170	190
-24	1 1/2	150	180	200	245

For 4-Bolt Flange Connections			
Bolt Size	Line Size	Torque Nm	Torque Lb-Ft
.31	-8	23	17
.38	-12	35	26
.44	-16	58	43
.50	-20	88	65
.63	-24	176	130
.75	-32	298	220

Notes:

1. *The 4-bolt flange seal is a face seal. The shoulder which contains the seal must fit squarely against the mating surface and be held there with even tension on all bolts.*
2. *Torque values apply to plated bolts and bolts with light engine oil.*
3. *Lubricate o-ring with a light oil (SAE 10W or 20W) before assembly.*
4. *Finger tighten all four bolts making sure the flange and fitting shoulder are started square.*
5. *Tighten all bolts evenly by partially tightening each bolt and repeating the sequence until all bolts are tightened to the specific torque in the table.*

Maximum Recommended Torque for Dry NPTF (Tapered) Pipe Threads*		
Size	Ft-Lbs.	Newton-Meters
2	20	25
4	25	35
6	35	45
8	45	60
12	55	75
16	65	90
20	80	110
24	95	130
32	120	160

***Notes:**

1. *The torque values obtained from tightening pipe threads can vary considerably depending on thread condition. Adequate sealing can occur at values much lower than the maximum values listed above. Only enough torque to achieve adequate sealing should be applied.*
2. *When using a male tapered pipe thread with a female straight or parallel pipe thread, maximum values are 50% of those listed in the table.*
3. *If thread sealant is used, maximum values shown should be decreased by 25%.*

Maximum Recommended Torque for Dry NPTF (Tapered) Pipe Threads*		
Size	Ft-Lbs.	Newton-Meters
2	20	25
4	25	35
6	35	45
8	45	60
12	55	75
16	65	90
20	80	110
24	95	130
32	120	160

***Notes:**

1. *The torque values obtained from tightening pipe threads can vary considerably depending on thread condition. Adequate sealing can occur at values much lower than the maximum values listed above. Only enough torque to achieve adequate sealing should be applied.*
2. *When using a male tapered pipe thread with a female straight or parallel pipe thread, maximum values are 50% of those listed in the table.*
3. *If thread sealant is used, maximum values shown should be decreased by 25%.*

For 4-Bolt Flange Connections			
Bolt Size	Line Size	Torque Nm	Torque Lb-Ft
.31	-8	23	17
.38	-12	35	26
.44	-16	58	43
.50	-20	88	65
.63	-24	176	130
.75	-32	298	220

Notes:

1. *The 4-bolt flange seal is a face seal. The shoulder which contains the seal must fit squarely against the mating surface and be held there with even tension on all bolts.*
2. *Torque values apply to plated bolts and bolts with light engine oil.*
3. *Lubricate o-ring with a light oil (SAE 10W or 20W) before assembly.*
4. *Finger tighten all four bolts making sure the flange and fitting shoulder are started square.*
5. *Tighten all bolts evenly by partially tightening each bolt and repeating the sequence until all bolts are tightened to the specific torque in the table.*

Coupling Torque

For 37° & 45° (Machined or Flared) and MegaSeal®

Size		Steel				Brass			
Dash	Inch	Ft. Lbs.		Newton-meters		Ft. Lbs.		Newton-meters	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
-4	1/4	10	11	13	15	5	6	6 3/4	9
-5	5/16	13	15	18	20	7	9	10	13
-6	3/8	17	19	23	26	12	15	17	20
-8	1/2	34	38	47	52	20	24	27 2/3	33
-10	5/8	50	56	69	76	34	40	46 1/3	55
-12	3/4	70	78	96	106	53	60	72 1/3	82
-16	1	94	104	127	141	74	82	100 1/2	111
-20	1 1/4	124	138	169	188	75	83	101 1/2	113
-24	1 1/2	156	173	212	235	79	87	107	118
-32	2	219	243	296	329	158	175	214	237

For SAE O-Ring Boss (Steel) and Gates Adapterless

Size		Ft. Lbs.		Newton-meters		Ft. Lbs.		Newton-meters	
Dash	Inch	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
-3	3/16	-	-	-	-	8	10	11	13
-4	1/4	14	16	20	22	14	16	20	22
-5	5/16	-	-	-	-	18	20	24	27
-6	3/8	24	26	33	35	24	26	33	35
-8	1/2	37	44	50	60	50	60	68	78
-10	5/8	50	60	68	81	72	80	98	110
-12	3/4	75	83	101 1/2	113	125	135	170	183
-14	7/8	-	-	-	-	160	180	215	245
-16	1	111	125	150	170	200	220	270	300
-20	1 1/4	133	152	180	206	210	280	285	380
-24	1 1/2	156	184	212	250	270	360	370	490

Adaptor Pressure Rating Chart

JIC - UNO - NPT SAE J514							Flange SAE J518		
SAE Dash Size	Nom Tube OD	Straight Thread Size	Nom Pipe Size	Rigid SAE Threads Unions and Bulkheads PSI (JICM)	Adjust-able SAE Threads and Female Swivels PSI (JICF)	Fittings with Pipe Threads PSI (NPT)	SAE Dash Size	Code 61 Flange (J518) PSI	Code 62 Flange (J518) PSI
-2	0.125	5/16-24	1/8	5000	5000	5000	-2		
-3	0.188	3/8-24	1/8	5000	5000	5000	-3		
-4	0.25	7/16-20	1/8	5000	4500	5000	-4		
-5	0.313	1/2-20	1/8	5000	4000	5000	-5		
-6	0.375	9/16-18	1/4	5000	4000	4000	-6		
-8	0.5	3/4-16	3/8	4500	4000	3000	-8	5000	6000
-10	0.625	7/8-14	1/2	3500	3000	3000	-10		
-12	0.75	1-1/16-12	3/4	3500	3000	2500	-12	5000	6000
-14	0.875	1-3/16-12	3/4	3000	2500	2500	-14		
-16	1	1-5/16-12	1	3000	2500	2000	-16	5000	6000
-20	1.25	1-5/8-12	1-1/4	2500	2000	1150	-20	4000	6000
-24	1.5	1-7/8-12	1-1/2	2000	1500	1000	-24	3000	6000
-32	2	2-1/2-12	2	1500	1125	1000	-32	3000	6000

"ORFS ISO8434-3"				"METRIC L/S ISO8434"		"BSPP ISO8434-6"			
TUBE OD		"ORFS M&F NONAD-JUSTABLE" PSI	"ORFS M&F ADJUSTABLE (POSITIONAL FITTINGS)" PSI	DIN (L) Cone and Cut-ting Ring ISO8434 BAR	DIN (S) Cone and Cut-ting Ring ISO8434 BAR	Nom Tube OD	Thread size	"60 Degree Cone - With O-ring BSPP" BAR	"60 Degree Cone - Without O-ring BSPP" BAR
6	1/4	9135	5800	250	630	6	1/8	-	350
8	5/16	9135	5800	250	630	8	1/4	400	350
10	3/8	9135	5800	250	630	10	3/8	400	350
12	1/2	9135	5800	250	400	12	1/2	350	315
16	5/8	9135	5800	250	400	16	5/8	350	315
20	3/4	5800	5800	160	400	20	3/4	315	250
22	7/8	5800	5075	160	400				
25	1	5800	5075	100	250	25	1	250	200
30	1 1/14	3625	3625	100	250	32	1-1/4	200	160
38	1 1/2	3625	3625	100	250	38	1-1/2	160	125
50	N/A	N/A	N/A	100	250	50	2	125	80

Notes:

- *Working pressures given are for low carbon steel fittings only.*
- *Proof pressure is twice working pressure.*
- *Burst pressure is 4 x working pressure.*
- *Cyclic endurance is tested at 133% of working pressure for 1 million cycles IAW J343*

NOTES

Hose Assembly Instructions

1 - Select the correct hose tail series for the intended hose:

100R1	"D" reusables &"K" series permanent crimp
100R2	"D" reusables &"K" series permanent crimp
100R5	"DF" reusables
100R6	"H" series Imperial Eastman style permanent crimp
100R7	"A" series Imperial Eastman style & "J" series permanent crimp
100R8	"A" series Imperial Eastman style & "J" series permanent crimp
100R9	"K" series one piece permanent crimp
100R12	"L" series one piece permanent crimp
100R13	"N" series one piece permanent crimp
100R14	"C" series one piece permanent crimp
100R15	"N" series one piece permanent crimp

2 - Mark insertion depth on hose with suitable marker

Hose dash size	Insertion depth in mm				
	A	K	L	M	N
-4	37	21			
-5		24			
-6	40	29	27		
-8	40	33	32		
-10	40	40	33	47	
-12	40	38	37	48	56
-16	43	44	44	51	59
-20		48	46	64	71
-24		37	59	62	
-32		46	62	73	

Step 1

Step 2

3 - Lubricate if necessary with either Rubber Grease Castrol GRR(B) or clean SAE30 engine oil

Do not use lubricant on multispiral hose

4 - Insert hose into fitting to depth indicated above

5 - Set press to dimension required (crimp charts can be downloaded from the resources page on our website).

6a - For K,L,M & N series fittings, insert hose and tail into press so entire shell is inside the die set

crimp to desired dimension
Remove and check final crimp size (must be within +-0.25mm of designated dimension)
(Diameter is to be measured at the centre of the shell)

6b - For A & C series require a bump to be left on the top closest to the nut

A series to be inserted into the press with the following shell lengths to be crimped

-4, -6, -8	32mm
-10, -12	34mm
-16	40mm
-20	47mm

C series

-3, -4	15mm
-6, -8, -10, -12, -16	17mm

7 - Clean hose using Polyshot or similar cleaner and ensure there are no foreign objects left in the hose.

For D & DF series reusables
Cut hose to length
Screw socket onto hose in counter clockwise direction until hose bottoms out
back off 1/2 turn
Dip hose end into SAE30 engine oil or similar heavy oil, Rubber grease may also be used
Screw tail into shell until the Hex on the nipple rests against the shoulder on the shell

Note: for stainless steel Dow Corning Molykote G-N or equivalent lubricant must be used or thread will seize.

Chemical Resistance Chart

The table below is based on reliable information. Care should be taken to use this data as a guide only, and to take into account such variables as temperature, concentration and fluid contamination. All ratings are given at room temperature, unless stated otherwise.

KEY TO RATINGS

Blank = No known Data available
A = Excellent, little or no swelling or softening
B = Good, swelling or softening is moderate
C = Fair, conditional service may be expected
D = Unsatisfactory, not recommended
- = Not tested

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	CPE	EPDM	Polyester	Neoprene	Nylon	Teflon	Santoprene	Urethane	Nitrile
A									
Acetaldehyde	-	A	B	D	B	B	-	D	D
Acetic Acid 10%	A	C	C	A	A	A	A	D	C
Acetic Acid 20%	A	A	C	A	B	A	A	D	C
Acetic Acid 30%	A	A	C	A	C	A	A	D	D
Acetic Acid 50%	C	C	C	D	C	A	C	D	D
Acetic Acid Glacial	C	B	D	D	D	A	D	D	D
Acetic Anhydride	A	B	C	B	D	A	D	D	D
Acetone	A	A	C	D	A	A	A	D	D
Acetylene	B	A	B	B	A	A	-	C	C
Acrylonitrile	S	D	-	D	A	A	D	D	D
Adipic Acid	-	A	-	A	-	A	-	A	A
Alum	A	A	D	A	C	A	-	D	A
Aluminum Chloride Solut	A	A	B	A	D	A	-	B	A
Aluminium Sulfate Solut	A	A	B	A	A	A	A	B	A
Ammonia, Gas	D	D	D	D	D	D	D	D	D
Ammonia, Liquid	D	D	D	D	D	D	D	D	D
Ammonium Carbonate	-	A	C	A	B	A	-	A	B
Ammonium Chloride	A	A	A	A	D	A	-	B	B
Ammonium Hydroxide Sol	C	A	D	A	A	A	-	D	D
Ammonium Nitrate	A	A	C	A	B	A	-	A	A
Ammonium Sulfate Soluti	A	A	C	A	B	A	-	B	A
Amyl Acetate	C	A	A	D	B	A	D	D	D
Amyl Alcohol	B	A	D	A	B	A	A	D	C
Anhydrous Ammonia	D	D	D	D	D	D	D	D	D
Aniline	C	B	D	D	C	A	A	D	D
Animal Oils & Fats	A	B	B	B	A	A	A	D	A
Argon	C	A	A	D	A	A	-	A	A
ASTM Oil No. 1	A	D	A	A	A	A	D	A	A
ASTM Oil No. 2	A	D	A	B	A	A	D	B	A
ASTM Oil No. 3	A	D	B	B	A	A	D	A	A
ASTM Ref. Fuel A	B	D	A	B	A	A	D	B	A
ASTM Ref. Fuel B	C	D	A	D	A	A	D	B	B
ASTM Ref. Fuel C	C	D	B	D	A	A	D	C	B
Asphalt	B	D	B	C	B	A	-	B	B
Aviation Gasoline	C	D	C	D	-	A	-	B	A
B									
Barium Chloride	A	A	C	A	B	A	-	A	A
Barium Hydroxide	A	A	B	A	B	A	-	D	A
Benzaldehyde	C	B	B	D	A	A	D	D	D
Benzene	C	D	B	D	B	A	D	D	D
Benzyl Alcohol	A	C	C	C	B	A	D	-	D
Borax Solution	A	A	B	A	B	A	-	A	C
Boric Acid	A	A	B	A	C	A	A	A	A
Bromine	D	D	D	D	D	B	-	D	D

	CPE	EPDM	Polyester	Neoprene	Nylon	Teflon	Santoprene	Urethane	Nitrile
B									
Butane	D	D	A	A	B	A	-	D	A
Butanol	A	B	B	A	C	A	B	D	A
Butanone	-	A	A	D	B	A	D	D	D
Butyl Acetate	D	D	B	D	B	A	-	D	D
C									
Calcium Chloride	A	A	A	A	B	A	-	A	A
Calcium Hydroxide	A	A	C	A	A	A	-	D	A
Calcium Hypochlorite 6%	A	A	B	C	A	A	-	B	D
Calcium Bisulfide	C	A	B	C	B	A	-	C	B
Calcium Nitrate	A	A	A	A	A	A	-	D	A
Carbon Dioxide	A	B	A	B	B	A	-	D	A
Carbon Monoxide	A	A	A	A	A	A	-	A	A
Carbon Tetrachloride	D	D	D	C	D	A	D	D	D
Carbonic Acid	A	A	D	A	B	A	D	A	B
Castor Oil	A	B	B	A	B	A	-	B	A
Chlorine Gas, Dry	D	D	D	C	D	A	D	D	D
Chlorine Gas, Wet	D	D	D	D	D	B	D	D	D
Chloroacetic Acid	B	B	D	A	C	A	D	D	D
Chlorobenzene	D	D	D	D	A	A	D	B	D
Chloroform	D	D	D	D	D	A	D	D	D
Chlorosulfonic Acid	-	D	D	D	D	A	-	D	D
Chromic Acid, 10%	C	D	D	C	D	A	D	D	D
Chromic Acid 50%	-	D	D	D	D	A	D	D	D
Citric Acid Solution	A	A	B	A	B	A	A	A	A
Coal Oil	A	D	A	B	A	A	D	C	A
Copper Chloride Solution	A	A	A	A	D	A	-	B	A
Copper Sulfate Solution	A	A	B	A	B	A	-	C	A
Creosote	B	D	D	D	D	A	D	C	C
Cresol	D	D	D	D	D	A	D	D	D
Cyclohexane	A	D	A	D	B	A	D	B	B
Cyclohexanol	B	D	C	B	B	A	D	-	C
Cyclohexanone	C	C	B	D	B	A	D	D	D
D									
DDT Preparations	A	D	-	D	A	A	-	D	D
Diammonium Phosphate	-	A	C	A	B	A	-	D	A
Dibutyl Ether	B	C	-	D	-	A	A	D	D
Dibutyl Phthalate	C	B	B	D	B	A	A	D	D
Dichloro Benzene	D	D	D	D	A	A	D	D	D
Dichloro Ethylene	-	D	D	D	C	A	D	C	D
Diesel Fuel	A	D	B	D	A	A	D	C	A
Diethyl Ether	C	D	B	D	B	A	A	A	D
Diethyl Sebacate	C	B	A	D	-	A	A	D	D
Dioctyl Phthalate	C	B	B	D	B	A	A	D	D

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	CPE	EPDM	Polyester	Neoprene	Nylon	Teflon	Santoprene	Urethane	Nitrile
E									
Ethanol	A	A	C	A	A	A	A	D	A
Ethyl Acetate	C	B	C	D	A	A	A	D	D
Ethyl Chloride	D	C	D	D	A	A	D	C	A
Ethylene Chlorohydrin	C	B	D	B	D	A	D	D	D
Ethylene Dichloride	C	D	D	D	C	A	D	D	D
Ethylene Glycol@70	A	A	A	A	A	A	A	B	A
Ethylene Oxide	D	C	A	D	A	A	-	D	D
F									
Fatty Acid Esters	B	D	B	B	A	A	D	D	A
Ferric Chloride	A	A	B	A	D	A	-	A	A
Ferric Nitrate	A	A	C	A	A	A	-	A	A
Ferric Sulfate	A	A	C	A	A	A	-	B	A
Ferrous Chloride	A	A	A	A	A	A	-	B	A
Ferrous Sulfate	A	A	C	A	A	A	-	A	A
Fluorine	D	D	D	D	D	D	D	D	D
Formaldehyde	B	A	C	B	C	A	A	D	C
Formic Acid	D	A	D	A	D	A	A	D	D
Freon 12	C	C	A	C	A	A	D	C	C
Freon 22	C	D	D	A	A	A	D	D	D
Freon 113	-	D	A	A	D	A	D	C	A
Freon 502	-	A	-	A	A	A	D	-	B
Furfural	B	B	B	C	C	A	A	D	D
Furfuryl Alcohol	B	B	B	D	A	A	A	D	D
G									
Gas, Coal	B	A	B	A	A	-	D	B	D
Gas, High Octane	C	D	A	D	A	A	D	C	A
Gasoline	B	D	A	D	A	A	-	A	B
Glycerine	A	A	A	A	A	A	D	D	A
Greases	C	D	A	D	A	A	D	A	A
H									
Helium	A	A	A	A	A	A	A	A	A
Heptane	B	D	B	B	A	A	A	B	A
n-Hexane	B	D	A	A	B	A	A	B	A
Hydrazine	B	A	D	B	D	A	-	D	B
Hyd Fluid- petroleum	A	D	A	B	A	A	D	B	A
Hydrochloric Acid 10%	A	A	B	A	A	A	A	B	C
Hydrochloric Acid 20%	A	A	C	B	B	A	A	C	C
Hydrocyanic Acid	B	A	D	B	D	A	A	D	C
Hydroflouric Acid	A	C	D	B	C	A	D	D	D
Hydrogen Gas	A	A	A	A	A	A	-	A	A
Hydrogen Peroxide20%	A	C	D	D	A	A	-	D	D
Hydrogen Sulfide-wet	C	A	A	C	D	A	-	D	D

	CPE	EPDM	Polyester	Neoprene	Nylon	Teflon	Santoprene	Urethane	Nitrile
I									
Iodine Pentafluoride	D	D	-	D	-	A	-	D	D
Idoform	D	D	-	D	-	-	-	-	-
Isobutyl Alcohol	B	A	-	A	-	A	-	D	B
Isoctane	A	D	A	B	A	B	D	A	A
Isopropyl Acetate	C	B	C	D	A	A	-	D	D
Isopropyl Alcohol	B	A	C	B	A	A	-	D	B
Isopropyl Ether	B	D	-	D	-	A	-	B	B
J									
JP – 4 Fuel	B	D	A	D	C	A	D	C	A
K									
Kerosene	B	D	A	C	A	A	D	B	B
Ketones	C	A	D	D	A	A	D	D	D
L									
Lacquer Solvents	C	D	D	D	A	A	-	D	D
Lactic Acid	A	A	D	A	A	A	-	B	A
Lard		B	B	B	A	A	A	C	A
Lead Acetate	B	A	-	B	A	A	-	D	B
Lead Nitrate	A	A	-	A	-	A	-	-	A
Lime Bleach	-	A	-	B	-	A	-	-	A
Linoleic Acid	C	D	-	D	-	A	-	-	B
Linseed Oil	A	C	B	B	A	A	-	B	A
Liquified Petrolium Gas	C	D	B	C	A	A	-	C	A
Lubricating Oils (Petroleum)	A	D	A	B	A	A	-	B	A
M									
Magnesium Chloride (Aq)	A	A	B	A	A	A	-	A	A
Magnesium Hydroxide-Aq	A	A	C	A	B	A	-	D	B
Magnesium Sulfate Aq	A	A	B	A	A	A	-	D	A
Maleic Acid	D	B	-	D	C	A	-	D	D
Maleic Anhydride	D	D	-	D	-	A	-	-	D
Mercury Chloride Aq	A	A	-	B	-	A	-	-	A
Methane	A	D	B	C	A	A	D	C	A
Methanol	A	A	C	B	A	A	A	D	A
Methyl Acetate	B	A	B	D	A	A	-	D	D
Methyl Acrylate	D	B	-	D	C	A	D	D	D
Methyl Bromide	D	D	D	D	A	A	D	D	B
Methyl Cellusolve	C	B	-	C	-	A	A	D	C
Methyl Chloride	D	C	D	D	A	A	D	D	D
Methyl Ethyl Ketone	C	A	B	D	A	A	D	D	D
Methyl Isobutyl Ketone	C	B	D	D	A	A	D	D	D
Methyl Methacrylate	C	D	-	D	C	A	C	D	D
Methylene Chloride	C	C	D	D	D	A	D	D	D

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M									
Mineral Oil	B	D	A	B	A	A	D	A	B
Monochlorobenzene	D	D	C	D	B	A	D	D	D
N									
Naphtha	B	D	A	D	A	A	D	C	B
Naphthalene	D	D	C	D	A	A	D	B	D
Natural Gas	A	D	B	A	A	A	D	C	A
Neon Gas	A	A	-	A	A	A	A	A	A
Nickel Acetate Aq	B	A	-	B	-	A	-	D	B
Nickel Chloride Aq	A	A	D	A	D	A	-	D	A
Nickel Sulfate Aq	A	A	D	A	D	A	-	C	A
Nitric Acid 10%	B	B	D	B	D	A	A	D	D
Nitric Acid conc.	C	D	D	D	D	A	D	D	D
Nitric Acid-Red Fuming	D	D	D	D	D	A	D	D	D
Nitro Benzene	C	A	D	D	D	A	C	D	D
Nitroethane	C	B	-	C	-	A	A	D	D
Nitrogen	A	A	A	A	B	A	A	A	A
Nitrous Oxide	A	A	-	B	D	A	-	B	A
O									
n-Octane	C	D	A	D	B	A	B	D	B
Octyl Alcohol	B	C	-	B	-	A	-	D	B
Oleic Acid	B	D	C	C	A	A	-	B	A
Oleum Spirit	C	D	B	D	A	A	-	C	B
Oxalic Acid	C	A	D	B	A	A	A	D	B
Oxygen	B	A	B	A	A	A	A	A	B
Ozone	B	A	B	C	D	A	A	A	D
P									
Paint Thinner	D	D	-	D	B	A	D	-	D
Palmitic Acid	A	B	A	B	D	A	A	A	A
Perchloric Acid	C	B	D	B	D	A	D	D	D
Perchloroethylene	D	D	D	D	B	A	D	D	D
Petroleum	A	D	A	B	B	A	A	B	A
Phenol	D	D	D	D	D	A	D	D	D
Phosphate Esters 72°F	A	A	A	D	A	A	A	D	D
Phosphoric Acid 40%	D	A	D	A	A	A	A	D	D
Picric Acid	C	C	D	C	C	A	D	D	D
Potassium Chloride Aq	A	A	B	A	A	A	-	A	A
Potassium Cyanide	A	A	B	A	A	A	-	A	A
Potassium Dichromate Aq	A	A	B	A	B	A	-	B	A
Potassium Hydroxide(Aq)50%	B	A	D	B	A	A	B	D	B

	CPE	EPDM	Polyester	Neoprene	Nylon	Teflon	Santoprene	Urethane	Nitrile
P									
Potassium Nitrate-Aq	A	A	B	A	A	A	-	A	A
Potassium Sulfate Aq	A	A	B	A	A	A	-	A	A
Propane	B	D	B	B	A	A	-	C	A
Propyl Alcohol	A	A	-	A	D	A	A	A	A
Propyl Nitrate	-	B	-	D	-	A	-	D	D
Propylene	D	D	-	D	-	A	-	D	D
Propylene Glycol 70F	A	A	-	C	-	A	-	B	A
Pydraul 50E	B	B	A	D	A	A	-	D	D
Pydraul 312C	B	D	B	D	A	A	A	D	D
R									
Resorcinol	D	B	D	D	D	A	D	D	D
S									
SAE No.10 Oil	A	D	A	-	A	A	D	A	A
Sea Water	A	A	A	A	A	A	A	D	A
Silicate Esters	B	D	C	A	B	A	-	A	B
Silicone Grease	A	A	A	A	A	A	-	A	A
Silicone Oil	A	A	B	A	B	A	-	A	A
Silver Nitrate	A	A	-	A	A	A	-	A	B
Skydrol 500	A	A	B	D	A	A	A	D	D
Soap Solution	A	A	A	B	B	A	A	C	A
Soda Ash	A	A	B	A	B	A	-	B	A
Sodium Acetate-Aq	B	A	-	B	B	A	-	D	B
Sodium Chloride-Aq	A	A	A	A	A	A	A	A	A
Sodium Hydroxide 50%	A	A	C	A	A	A	A	B	B
Sodium Hypochlorite Aq	B	B	B	B	A	A	A	D	B
Sodium Sulfide	A	A	B	A	A	A	-	A	A
Sodium Nitrate	A	A	B	B	B	A	-	B	A
Sodium Peroxide	B	A	B	B	D	A	-	D	B
Stannic Chloride-Aq	A	A	B	C	D	A	-	B	A
Steam - 212° F	D	A	D	D	D	A	A	D	D
Stearic Acid	B	B	B	B	A	A	A	A	B
Styrene	D	D	D	D	A	A	-	D	D
Sulfur Chloride	D	D	C	D	D	A	-	C	D
Sulfur Dioxide	C	A	D	D	D	A	-	D	D
Sulfuric Acid Diluted	B	A	A	A	D	A	A	D	B
Sulfuric Acid Concen	D	D	D	D	D	A	-	D	D
T									
Tannic Acid	A	A	A	A	A	A	A	A	A
Tar Bituminous	B	D	B	C	B	A	-	B	B
Tartaric Acid	A	C	B	B	A	A	A	A	A
Tertiary Butyl Alcohol	B	B	-	B	-	A	-	D	B
Tertiary Butyl Mercaptan	D	D	-	D	-	A	-	D	D

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T									
Tetrachloroethylene	D	D	-	D	C	A	-	D	D
Tetra Hydrofuran (THF)	C	D	C	D	A	A	D	D	D
Toluene	C	D	C	D	A	A	D	D	D
Transformer Oil	A	D	-	B	B	A	-	B	A
Transmission Fluid, type A	B	D	B	B	B	A	-	B	A
Tributyl Phosphate	-	D	C	D	B	A	-	D	D
Trichloroacetic Acid	D	B	D	D	D	A	-	D	D
Trichloroethane	D	D	D	D	B	A	D	D	D
Trichloroethylene	D	D	D	D	B	A	D	D	D
Trisodium Phosphate	A	A	A	A	A	A	-	B	A
Tung Oil	A	D	B	A	B	A	-	C	A
Turpentine	C	D	B	D	A	A	D	D	A
U & V									
Urea	A	A	B	A	A	A	-	B	A
Uric Acid	-	-	D	-	A	A	A	D	-
Vinegar	A	A	C	B	A	A	-	D	C
Vinyl Chloride	D	D	-	D	-	A	-	-	D
W									
Water 72° F	A	A	A	A	A	A	A	A	A
Water 140° F	A	A	B	A	A	A	A	D	A
Water 212° F	A	A	D	D	D	A	A	D	D
Water/Glycol Solutions 72° F	A	A	A	A	A	A	A	C	A
Water/Glycol Solutions 125° F	A	-	B	A	A	A	A	D	A
Water/Glycol Solutions 180° F	A	-	D	A	A	A	A	D	A
Water, Soda	A	A	A	-	A	A	A	-	A
White Oil	A	D	-	B	-	A	-	A	A
Wood Oil	A	D	B	B	B	A	-	C	A
X & Z									
Xylene	D	D	C	D	B	A	D	D	D
Zinc Chloride (Solution)	A	A	C	A	B	A	A	B	A

Conversion Factors

MULTIPLY	BY	TO OBTAIN	EXAMPLE
Pressure			
Pound/Inch sq (psi)	0.069	Bar	100 PSI by 0.069 = 6.895 bar
Pound/Inch sq (psi)	0.070	Kilogram/centimetre sq	100 PSI by 0.070 = 7.031 Kg/cm
Pound/Inch sq (psi)	6.895	kilopascal (Kpa)	100 PSI BY 6.895 = 689.476 Kpa
Pound/Inch sq (psi)	0.007	Megapascal (Mpa)	100 PSI by 0.00689 = 0.689 Mpa
Velocity			
Inch/min	25.4	Millimetre/min	10 Inch/min by 25.4 = 254 mm/min
Foot/min	0.305	Metre/min	10 Foot/min by 0.3048 = 3.048 Metres/min
Mile/Hour	1.609	Kilometre/hr	10 MPH by 1.609 = 16.093 km/hr
Gallons/min U.K.	4.546	Litre/min	10 GPM (U.K.) by 4.546 = 45.460 L/min
Gallons/min U.S.	3.785	Litre/min	10 GPM (U.S.) by 3.785 = 37.854 L/min
Linear			
Inch (ins)	25.4	Millimetre (mm)	1 5/16 ins to 1.3125 ins by 25.4 = 33.334 mm
Foot(ft)	0.305	Metre (M)	3 ft 6 ins to 3.5 ft by 0.305 = 1.07 metres
Area			
Square Inch	645.16	Square Millimetre	10 sq ins by 645.16 = 6,4516 sq mm
Square Foot	0.093	Square Metre	10 sq ft by 0.093 = 0.93 sq m
Volume			
Gallons U.K.	277.42	Cubic Inches	10 U.K. gals by 277.42 = 2,774.2 cu in
Gallons U.S.	231.000	Cubic Inches	10 U.S. gals by 231 = 2,310 cu in
Cubic Inches	16.387	Cubic Centimetres	54.5 cu ins by 16.387 = 893.095 cu in
Cubic Inches	0.016	Litre	1,000 cu ins by 0.016 = 16,387 Litres
Gallons U.K.	4.546	Litre	10 U.K. gals by 4.546 = 45.461 Litres
Gallons U.S.	3.785	Litre	10 U.S. gals by 3.785 = 37.854 Litres
Mass & Density			
Pound (avoirdupois)	0.454	Kilogram	10 pounds by 0.454 = 4.536 kg
Ton (long 2,240 lb)	1.016	Tonne	10 ton by 1.016 = 10.016 tonnes
Ton (short 2,000 lb)	0.907	Tonne	10 ton by 0.907 = 9.072 tonnes
Ton (metric)	1.000	Tonne	10 ton by 1.0 = 10.0 tonnes
Force			
Kilogram-force	9.80665	Newton (N)	10 kilogram-force by 9.80665 = 98.0665 N
Torque			
Pound -Inch	0.113	Newton-Metre (Nm)	10 pound-in by 0.113 = 1.130 Nm
Pound-Foot	1.356	Newton-Metre (Nm)	10 pound-ft by 1.356 = 13.559 Nm
Power			
Horsepower (hp)	0.746	kilowatt (kW)	10 hp by 0.746 = 7.457 kW
Temperature			
Degrees Fahrenheit	(°F-32)/1.8	Degrees Celsius	(100 °F-32) divide by 1.8 = 37.778°C
Degrees Celsius	1.8 °C + 32	Degrees Fahrenheit	(1.8 by 100 °C) plus 32 = 212 °F

AHF HOSE RANGE			SAE J517	PROPRIETARY	USCG	ISO	DNV	EN /DIN	MSHA	BV	LR	MED	MA	API	KR	ABS	GL
HOSE	SIZES	MANUFACTURER															
R1	ALL	SENTEC	SAE 100R1			ISO6805			X		X				X	X	
R2	ALL	SENTEC	SAE 100R2			ISO6805		EN853	X		X				X	X	
R2HT	1 1/4" to 2"	DIESSE	SAE 100R2					EN853	X								
R2GP	ALL	LETONE	SAE 100R2														
R2TC		DIESSE	SAE 100R2AT MSHA HARC COVER					EN853	X		X	X				X	
R4	ALL	LETONE	SAE J1527 TYPE A														
R5 (FC300)	ALL	EATON	SAE 100R5, J1019, J1402		X		X									X	
R6	ALL	SENTEC	EXCEEDS 100R6														
R6 (FC332)	ALL	EATON	SAE 100R6													X	
R6H	ALL	DIESSE	SAE 100R6														
R7	ALL	TRANSFER OIL	SAE 100R7			3949-R7		EN855									
R7NC	ALL	TRANSFER OIL	SAE 100R7			3949-R7		EN855									
R8		TRANSFER OIL	SAE 100R8			3949-R8		EN855									
R8NC		TRANSFER OIL	SAE 100R8			3949-R8		EN855									
R12	1 1/2" TO 2"	SEMPERIT	SAE 100R12				X	EN856	X							X	X
R12SF	1 1/4" TO 1 1/2"	DIESSE	SAE 100R12				X	EN856	X		X	X				X	
R12 SF	3/4" AND 1"	LETONE	SAE 100R12				X		X	X							
R12TC	3/8" TO 1"	DIESSE	SAE 100R12				X	EN856	X		X	X				X	
R13	3/4" TO 1 1/4"	SENTEC	SAE 100R13						X		X				X		
R14	ALL	POLY	SAE 100R14														
R15	3/4", 1" and 2"	LETONE	SAE 100R15			3862		EN856	X					X			
R15	3/8" to 1 1/2"	DIESSE	SAE 100R15					EN856	X		X	X				X	
R16	ALL	SENTEC	SAE 100R16						X		X				X	X	
R16H	1/4" to 1"	DIESSE	SAE 100R16				X	EN857	X								
R19	ALL	DIESSE	SAE 100R19				X		X								
GH493	ALL	EATON	SAE 100R12		X	3862	X	EN853 TYPE R12	X							X	
GH506	ALL	EATON				3862	X	EN856 TYPE 4SH	X								
ACH (RUNOUT)	ALL	PIX		YES													
PWH HOSE	ALL	SEMPERIT						EN7751 / 1829-1									

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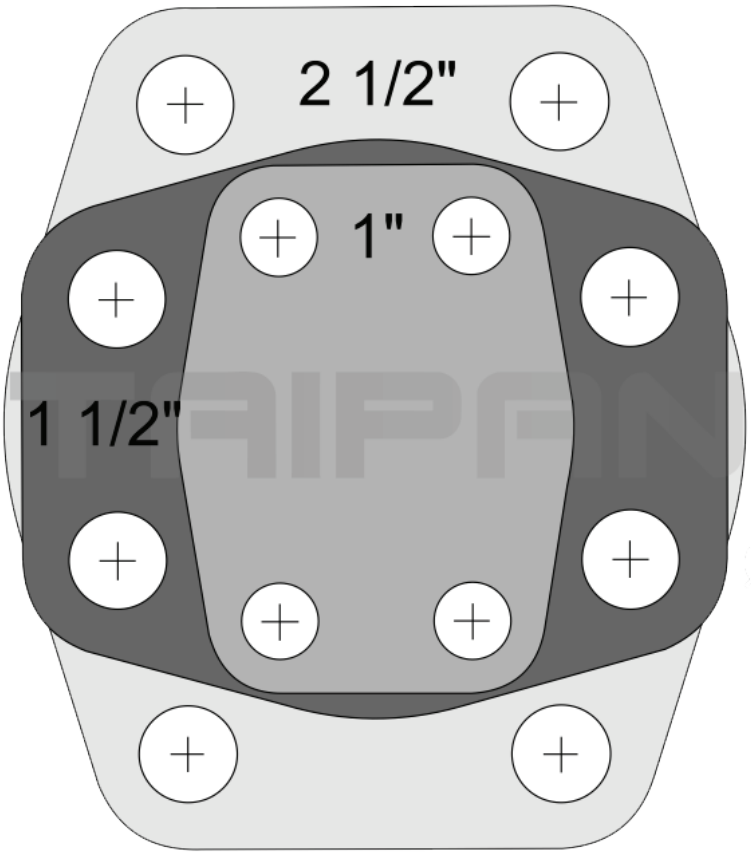
Fax 07 5428 1311

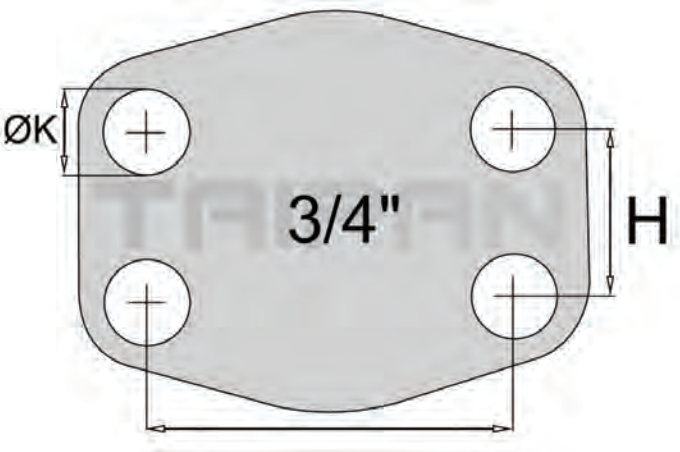
NOTES

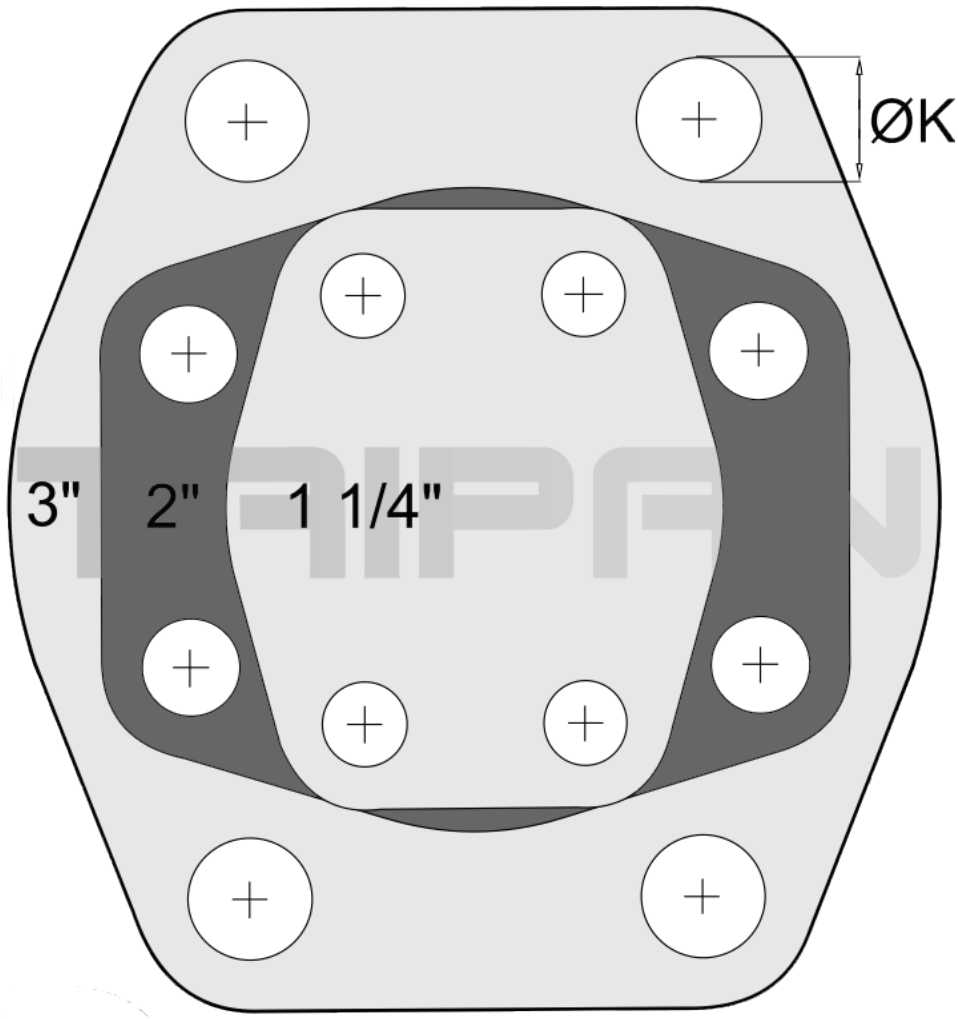
Thread Identification Chart

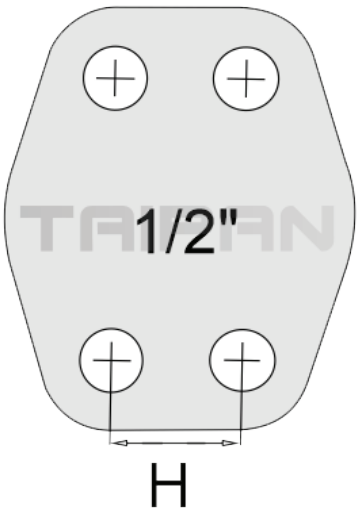
Dash Size (According to hose size)	Thread / flange Size	BSPT – 60° Cone		BSPP ISO 8434-6		NPT NPSM – 60° Cone		JIC & UNO SAE J514, ISO 8434-2 (UNF THREAD)		ORFS ISO 8434-3 (UNF THREAD)		SAE 45 FLARE SAE J514		SAE CODE 61 SAE J518		SAE CODE 62 SAE J518	
		Male OD (TPI) ISO 7-1	Female ID (TPI)	Male OD (TPI)	Female ID (TPI)	Male OD (TPI) ANSI B 1.20.3	Female ID (TPI)	Male OD (TPI)	Female ID (TPI)	Male OD (TPI)	Female ID (TPI)	Male OD (TPI)	Female ID (TPI)	OD	THICK NESS	OD	THICK NESS
-02	1/8"	9.7 (28)	8.4 (28)	9.6 (28)	8.6 (28)	10.2 (27)	8.4 (27)										
-02	5/16"							7.9 (24)	5.9 (24)			7.9 (24)	5.9 (24)				
-03	3/8"							9.5 (24)	8.5 (24)			9.5 (24)	8.4 (24)				
-04	1/4"	13.1 (19)	11.2 (19)	13.0 (19)	11.9 (19)	13.6 (18)	11.2 (18)										
-04	7/16"							11.1 (20)	9.9 (20)			11.1 (20)	9.9 (20)				
-05	1/2"							12.7 (20)	11.4 (20)			12.7 (20)	11.4 (20)				
-06	11/16"									17.5 (16)	16.0 (16)						
-06	3/8"	16.6 (19)	14.7 (19)	16.5 (19)	15.2 (19)	17.0 (18)	14.7 (18)										
-06	5/8"											15.9 (18)	14.2 (18)				
-06	9/16"							14.3 (18)	13.0 (18)	14.3 (18)	12.9 (18)						
-08	1/2"	21.0 (14)	18.3 (14)	20.8 (14)	19.1 (14)	21.1 (14)	17.8 (14)							30.2	6.73	31.7	7.75
-08	13/16"									20.6 (16)	19.1 (16)						
-08	3/4"							19.1 (16)	17.5 (16)			19.1 (16)	17.5 (16)				
-10	1"									25.4 (14)	23.6 (14)						
-10	5/8"	22.5 (14)	20.6 (14)	22.8 (14)	20.8 (14)									34	6.73		
-10	7/8"							22.2 (14)	20.4 (14)			22.2 (14)	20.4 (14)				
-12	1 3/16									30.2 (12)	27.8 (12)						
-12	1. 1/16							27.0 (12)	24.9 (12)			27.0 (14)	24.9 (14)				
-12	3/4"	26.4 (14)	23.9 (14)	26.3 (14)	24.6 (14)	26.6 (14)	23.4 (14)							38.1	6.73	41.3	8.76
-14	1. 3/16							30.2 (12)	28.2 (12)								
-16	1"	33.2 (11)	29.7 (11)	33.1 (11)	30.7 (11)	33.2 (11.5)	29.5 (11.5)							44.5	8	47.6	9.53
-16	1. 5/16							33.3 (12)	31.2 (12)								
-16	1. 7/16									36.3 (12)	34.3 (12)						
-20	1. 1/4	41.9 (11)	38.6 (11)	41.8 (11)	39.4 (11)	42.0 (11.5)	38.1 (11.5)							50.8	8	54	10.29
-20	1. 11/16									42.7 (12)	40.6 (12)						
-20	1. 5/8							41.3 (12)	39.1 (12)								
-24	1. 1/2	47.8 (11)	44.5 (11)	47.7 (11)	45.5 (11)	48.0 (11.5)	43.9 (11.5)							60.3	8	63.5	12.57
-24	1. 7/8							47.6 (12)	45.5 (12)								
-24	2"									51.8 (12)	48.8 (12)						
-32	2	59.6 (11)	56.4 (11)	59.5 (11)	57.4 (11)	60.1 (11.5)	56.4 (11.5)							71.4	9.53	79.4	12.57
-40	2. 1/2	75.2 (11)	71.9 (11)	75.1 (11)	72.6 (11)	72.6 (8)	69.1 (8)	63.5 (12)	61.5 (12)					84.1	9.53		
-48	3	87.9 (11)	84.6 (11)	87.9 (11)	85.4 (11)	88.6 (8)	84.8 (8)							101.6	9.53		

3000 PSI Code 61 Flange Profile/Sizes				
Size	H	I	Ø Screw Hole	Ø Threads
1/2"	17.5	38.1	8.7	M8
3/4"	22.3	47.6	10.5	M10
1"	26.2	52.4	10.5	M10
1 1/4"	30.2	58.7	10.5/12.5	M10/M12
1 1/2"	35.7	69.9	13.2/14.5	M12/M14
2"	42.9	77.8	13.5/14.5	M12/M14
2 1/2"	50.8	88.9	13.5/14.5	M12/M14
3"	61.9	106.4	17	M16
3 1/2"	69.9	120.7	17	M16
4"	77.8	130.2	17	M16
5"	92.1	152.4	17	M16

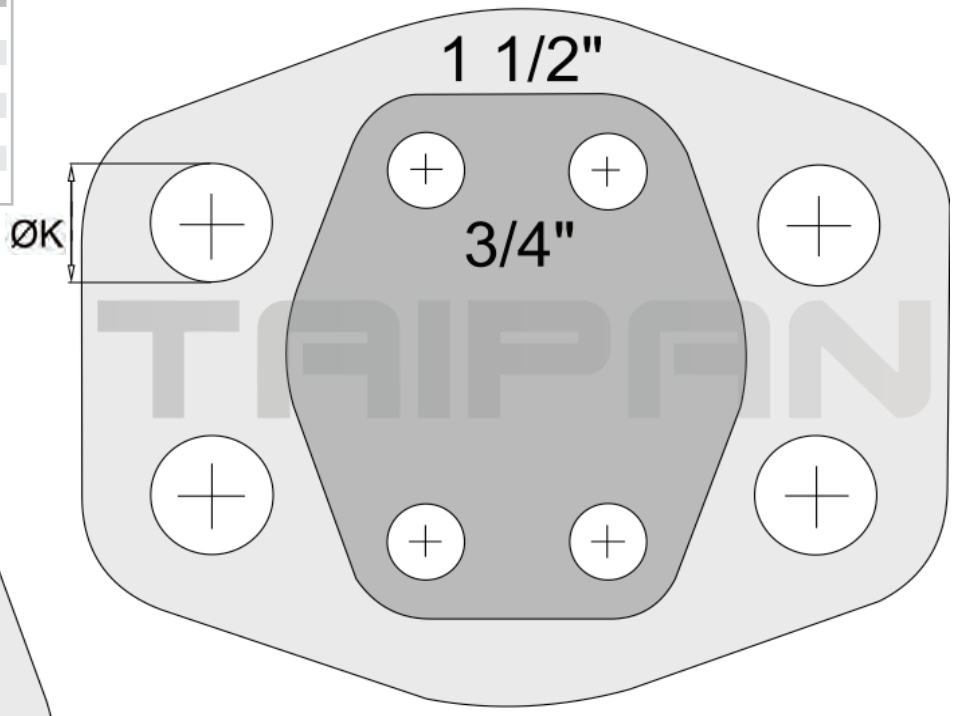


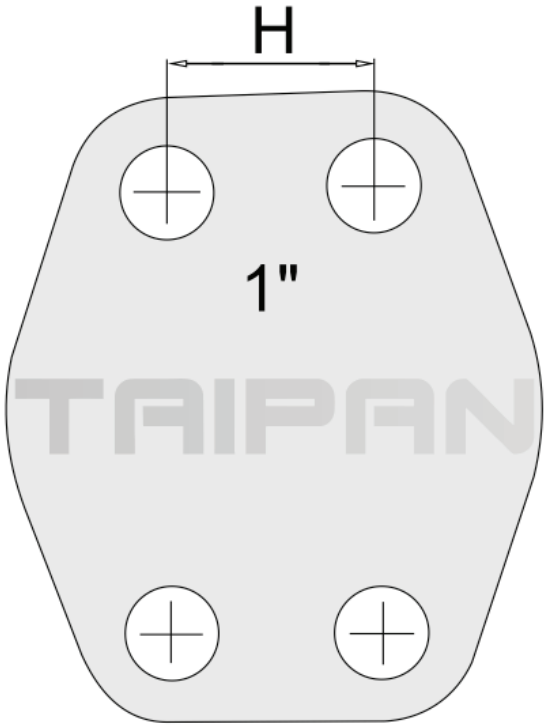


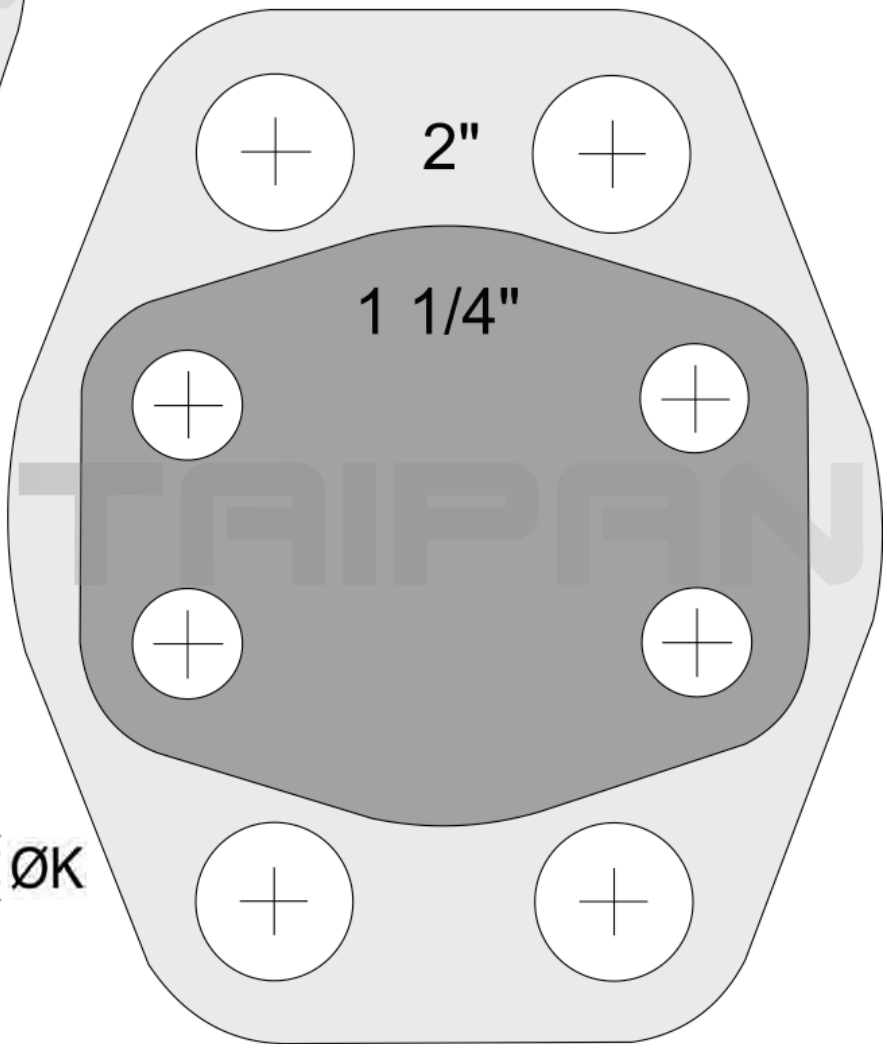


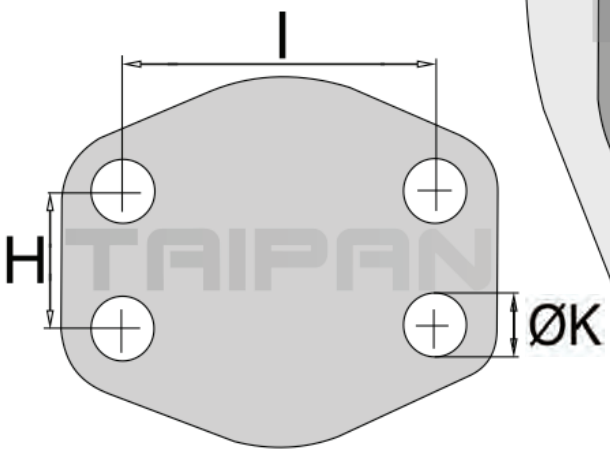


6000 PSI Code 62 Flange Profile/Sizes				
Size	H	I	Ø Screw Hole	Ø Threads
1/2"	17.5	38.1	8.7	M8
1/2"	18.5	40.5	8.7	M8
3/4"	23.8	50.8	10.5	M10
1"	27.8	57.2	13	M12
1 1/4"	31.8	66.6	13.5/15	M12/M14
1 1/2"	36.5	79.3	17	M16
2"	44.5	96.8	21	M20









NOTES

Metric Thread Chart

SEAL	30° FLARE	24° CONE	24° CONE	24° CONE	24° CONE	60° CONE
			Measure the tube seat			
OD PITCH	KOMATSU	DIN L LIGHT	DIN S HEAVY	FRENCH GAZ	ISO	DIN 7631
M12 x 1.5		-6				-6
M14 x 1.5	-4	-8	-6			-8
M16 x 1.5		-10	-8			-10
M18 x 1.5	-6	-12	-10			-12
M20 x 1.5			-12	-13	-14	
M22 x 1.5	-8	-15	-14			-15
M24 x 1.5	-10		-16	-17		
M26 x 1.5		-18				-18
M27 x 1.5					-18	
M30 x 1.5	-12			-21	-22	-22
M30 x 2		-22	-20			
M33 x 1.5	-16				-25	
M33 x 2						
M36 x 1.5	-20			-27	-28	
M36 x 2		-28	-25			
M38 x 1.5						-28
M39 x 1.5					-30	
M39 x 2						
M42 x 1.5	-24				-32	
M42 x 2			-30			
M45 x 1.5				-33	-35	-35
M45 x 2		-35				
M48 x 1.5					-38	
M52 x 1.5				-42	-40	-42
M52 x 2		-42	-38			

PROCEDURE FOR IDENTIFYING METRIC THREADS

- MALES -	- FEMALES -
1) Measure Pitch 2) Measure Outside Diameter 3) Measure The Tube Seat 4) Refer to the above Chart	1) Measure Pitch 2) Measure Inside Diameter 3) Add Pitch to ID = Male OD 4) Measure The Tube Seat 5) Refer to the above Chart

NOTES

Warranty Claim Form

Customer Details	
Company Name §	
Customer Name §	
Contact Number §	
Fax Number	
Email Address	

Purchase Details	
Taipan Invoice Number §	
Invoice Date §	

Warranty Claim Details Please use Taipan part numbers and descriptions ONLY	
Product Number	
Batch Number (If Applicable)	
Machine Type and Model	
Pressure Rating of Circuit	
Operating Temprature of Circuit	
Oil Type In Use	
Actual Hose Tail Crimp Diameter	
Desription of Failure	
Form Control	

All "warranty claim details" are required to be completed correctly, failure to do so will result in an immediate rejection of claim.
§ = Field is required and should be completed in order to speed up the processing time. All Claims are subject to our "Trading Terms and Conditions" found in our Product Catalogue or on our website www.taipan.com.au

Office Use	
Date Notifictaion Received at Taipan	
Received by	
Date WCF Issued	
Issued by	
Date Warranty Claim Assessed	
Assessed By	
Date Credit Processed	
Credit Processed By	
Credit Note Number	

Assigned Claim Number
WCF-

Details of Outcome

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CONTACT US
1300 654 782

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NOTES

Customer Credit/Return Form

No returns will be accepted without prior approval by an **Authorised Taipan Hydraulic Hose Systems Pty Ltd Representative**. A 25% restocking fee maybe applicable.

Company Name	
Contact Person	
Date	
Your Order Number	
Taipan Invoice Number	
Taipan Delivery Number	
Product being returned (Taipan Product number)	
Returning Carrier details:	
Con Note Number	
Reason for Return	
Return Approved by (Taipan Contact)	

AHF Office Use Only

Credit/Return Authorised by:Date: _____

Credit /Return Processed by: _____ Date: _____

Restocking Fee Applicable: Yes/No

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F: 07 5428 1311
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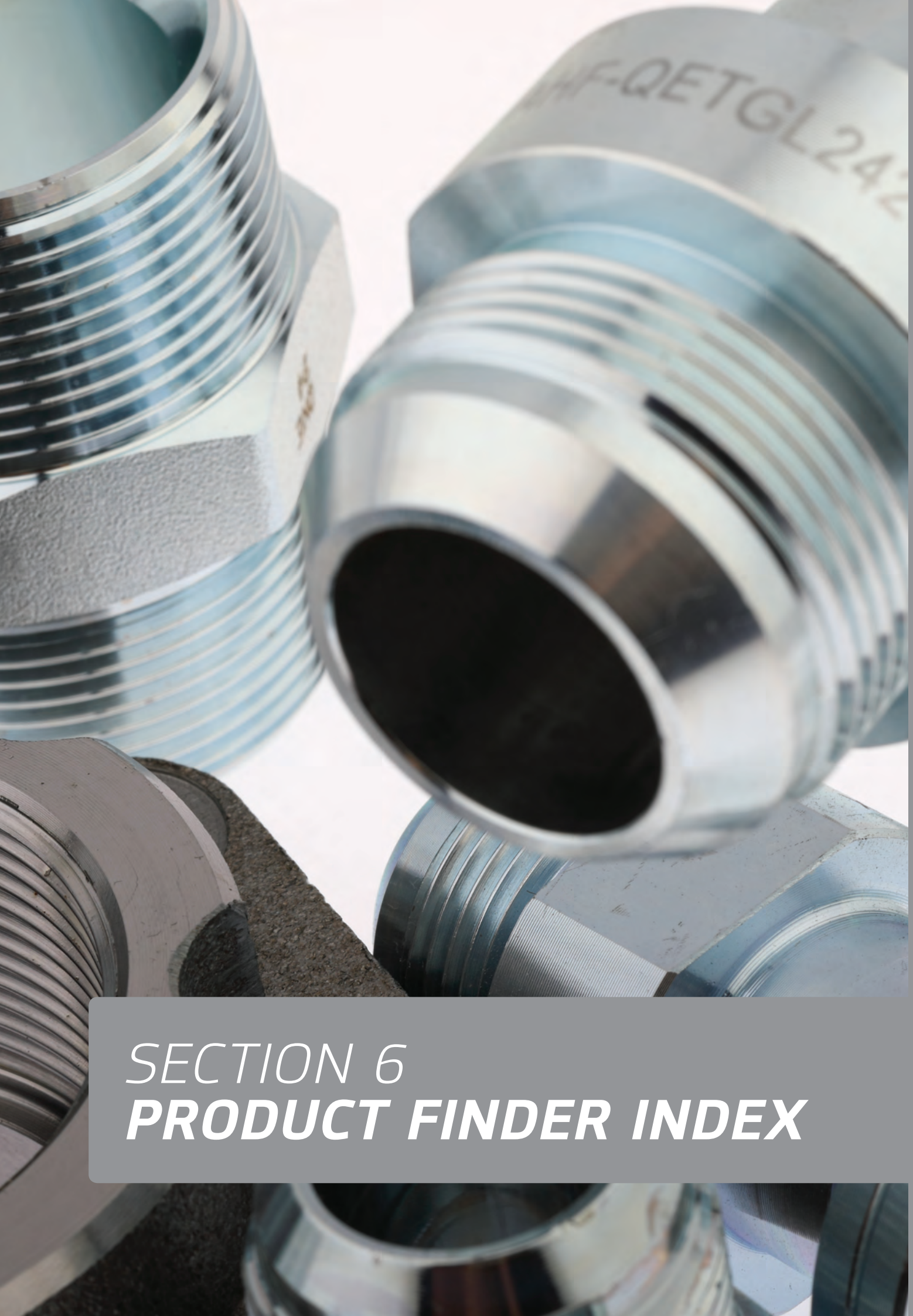
NOTES



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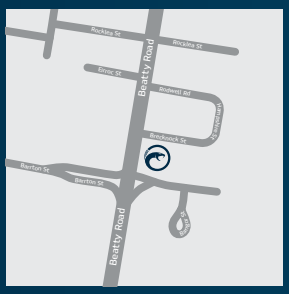

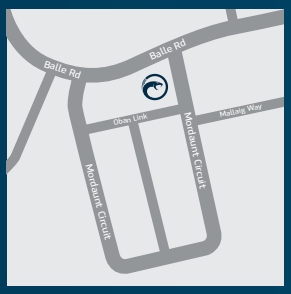

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