

Quick Connects

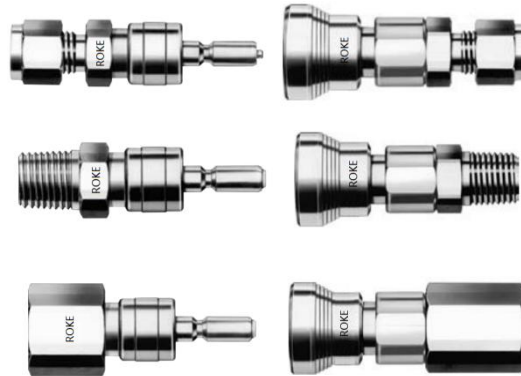


ROKE
Valves and Fittings

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Instrumentation Quick-Connects

QC Series



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Full-flow Quick-Connects

QF Series



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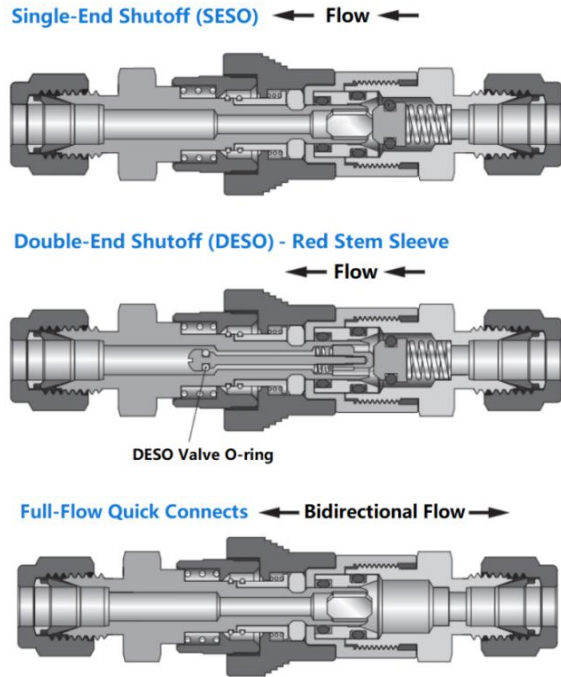
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Instrumentation Quick-Connects

QC Series (3000 psig)

Features

- Redesigned stem insert requires just one O-ring seal, yet improves O-ring containment.
- Single-end shutoff, double-end shutoff and full-flow are available.
- Locking dog mechanism with large contact area retains stem.
- Push-to-connect coupling enable quick, easy operation.
- Wide variety of options, including keyed quick-connects, are available.
- Can be interchanged with other major brand products.
- Heavy-duty sleeve shields open end of body.
- Maximum working pressure 3000psig(206bar).



Material of Construction

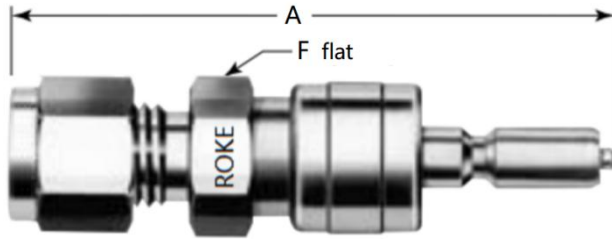
Item	Component	Material	
		316 SS	Brass
1	Stem	316 SS/A479	C36000/B16
2	Stem Sleeve	316 SS/A479	C36000/B16
3	Spring	316 SS/A313	
4	Snap rings	316 SS/A313	
5	Snap rings	316 SS/A313	
6	Body sleeve	316 SS/A479	C36000/B16
7	Spring	316 SS/A313	
8	Locking dogs	316 SS powdered metal	
9	O-ring	Fluorocarbon FKM	Buna N
10	Sliding sleeve	316 SS/A479	C36000/B16
11	SESO stem insert	316 SS/A240	C36000/B36
12	O-ring	Fluorocarbon FKM	Buna N
13	O-ring	Fluorocarbon FKM	Buna N
14	Housing	316 SS/A479	C36000/B16
15	Plug	316 SS/A479	C36000/B16
16	Body	316 SS/A479	C36000/B16
17	Spring	316 SS/A313	

Pressure-Temperature Ratings

Temperature °C (°F)	316 SS with Fluorocarbon FKM O-rings			Brass with Buna N O-rings		
	SS-QC4-FN4	SS-QC6-FN6	SS-QC8-FN8	B-QC4-FN4	B-QC6-FN6	B-QC8-FN8
	Pressure Rating, psig (bar)					
20 (70)	3000 (206)	1500 (103)	750 (52)	2000 (137)	1000 (69)	500 (34)
121(250)	--			250 (17)		
204(400)	250 (17)			/		

Stems S/D

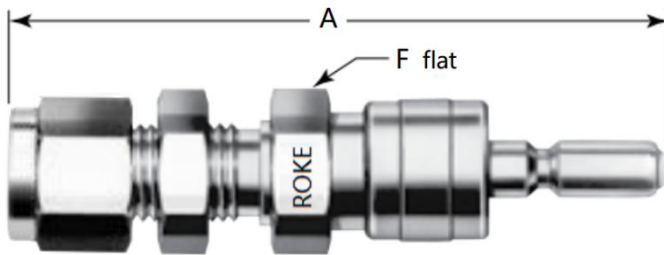
Tube Fitting Stem



Inch. Fitting O.D. (in.)	Basic Ordering Numbers		Flow Coefficient (Cv)			Dimension in. (mm)		
	SESO	DESO	SESO	DESO	Full Flow	A		F
						SESO	DESO	
1/8	-QC4-S-FT2	-QC4-D-FT2	0.08	0.08	0.08	2.32 (58.9)	2.77 (70.4)	5/8
1/4	-QC4-S-FT4	-QC4-D-FT4	0.3	0.2	0.4	2.36 (59.9)	2.42 (61.5)	5/8
3/8	-QC6-S-FT6	-QC6-D-FT6	1.0	0.5	1.5	2.52 (64.0)	2.64 (67.1)	3/4
1/2	-QC8-S-FT8	-QC8-D-FT8	2.4	1.5	3.3	2.96 (75.2)	3.16 (80.3)	15/16

Metric Fitting O.D. (mm)	Basic Ordering Numbers		Flow Coefficient (Cv)			Dimension in. (mm)		
	SESO	DESO	SESO	DESO	Full Flow	A		F
						SESO	DESO	
6	-QC4-S-MT6	-QC4-D-MT6	0.3	0.2	0.4	2.36 (59.9)	2.42 (61.5)	5/8
8	-QC4-S-MT8	-QC4-D-MT8	0.3	0.2	0.4	2.40 (61.0)	2.42 (61.5)	5/8
10	-QC6-S-MT10	-QC6-D-MT10	1.0	0.5	1.5	2.52 (64.0)	2.64 (67.1)	3/4
12	-QC8-S-MT12	-QC8-D-MT12	2.4	1.5	3.3	2.96 (75.2)	3.16 (80.3)	15/16

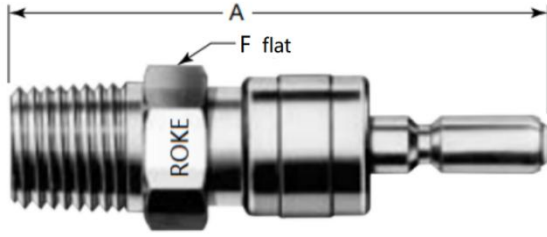
Bulkhead Tube Fitting Stem



Inch. Fitting O.D. (in.)	Basic Ordering Numbers		Dimension in. (mm)				
	SESO	DESO	A		F	Max Panel Thickness	Min Panel Hole Dia
			SESO	DESO			
1/4	-QC4-S-BFT4	-QC4-D-BFT4	2.74 (69.6)	2.80 (71.1)	5/8	0.25 (6.4)	15/32 (11.9)
3/8	-QC6-S-BFT6	-QC6-D-BFT6	3.07 (74.2)	3.07 (78.0)	3/4	0.27 (6.9)	19/32 (15.1)
1/2	-QC8-S-BFT8	-QC8-D-BFT8	3.43 (87.1)	3.63 (92.2)	15/16	0.26 (6.6)	25/32 (19.8)

Metric Fitting O.D. (mm)	Basic Ordering Numbers		Dimension in. (mm)				
	SESO	DESO	A		F	Max Panel Thickness	Min Panel Hole Dia
			SESO	DESO			
6	-QC4-S-BMT6	-QC4-D-BMT6	2.74 (69.6)	2.80 (71.1)	5/8	0.25 (6.4)	15/32 (11.9)
8	-QC4-S-BMT8	-QC4-D-BMT8	2.78 (70.7)	2.83 (72.0)	5/8	0.25 (6.4)	17/32 (13.4)
10	-QC6-S-BMT10	-QC6-D-BMT10	3.07 (74.2)	3.07 (78.0)	3/4	0.27 (6.9)	19/32 (15.1)
12	-QC8-S-BMT12	-QC8-D-BMT12	3.43 (87.1)	3.63 (92.2)	15/16	0.26 (6.6)	25/32 (19.8)

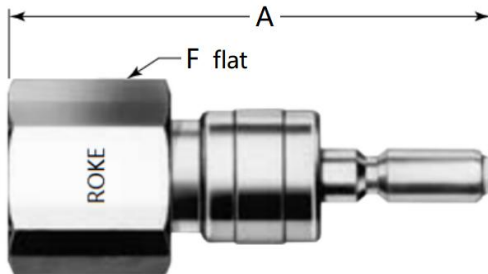
Male Thread Stem



Male Thread NPT	Basic Ordering Numbers		Flow Coefficient (Cv)			Dimension in. (mm)		
	SESO	DESO	SESO	DESO	Full Flow	A		F
						SESO	DESO	
1/8 NPT	-QC4-S-MN2	-QC4-D-MN2	0.3	0.2	0.4	2.07 (52.6)	2.13 (54.1)	5/8
1/4 NPT	-QC4-S-MN4	-QC4-D-MN4	0.3	0.2	0.4	2.22 (56.4)	2.28 (57.9)	5/8
	-QC6-S-MN4	-QC6-D-MN4	0.9	0.5	1.6	2.32 (58.9)	2.44(61.9)	3/4
3/8 NPT	-QC6-S-MN6	-QC6-D-MN6	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	3/4
1/2 NPT	-QC8-S-MN8	-QC8-D-MN8	2.0	1.3	3.1	2.84 (72.1)	3.04 (77.2)	15/16

Male Thread BSPT	Basic Ordering Numbers		Flow Coefficient (Cv)			Dimension in. (mm)		
	SESO	DESO	SESO	DESO	Full Flow	A		F
						SESO	DESO	
1/4 BSPT	-QC4-S-MR4	-QC4-D-MR4	0.3	0.2	0.4	2.22 (56.4)	2.28 (57.9)	5/8
3/8 BSPT	-QC6-S-MR6	-QC6-D-MR6	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	3/4
1/2 BSPT	-QC8-S-MR8	-QC8-D-MR8	2.0	1.3	3.1	2.84 (72.1)	3.04 (77.2)	15/16

Female Thread Stem

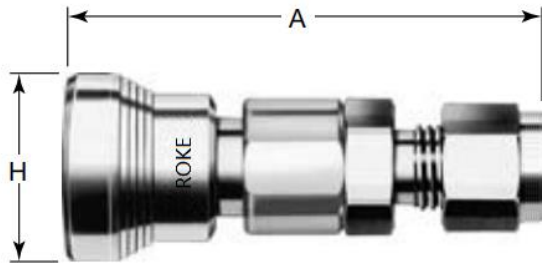


Female Thread NPT	Basic Ordering Numbers		Flow Coefficient (Cv)			Dimension in. (mm)		
	SESO	DESO	SESO	DESO	Full Flow	A		F
						SESO	DESO	
1/8 NPT	-QC4-S-FN2	-QC4-D-FN2	0.3	0.2	0.4	2.01 (51.1)	2.07 (52.6)	5/8
1/4 NPT	-QC4-S-FN4	-QC4-D-FN4	0.3	0.2	0.4	2.26 (57.4)	2.32 (58.9)	3/4
	-QC6-S-FN4	-QC6-D-FN4	0.9	0.5	1.6	2.35 (59.7)	2.47 (62.7)	3/4
3/8 NPT	-QC6-S-FN6	-QC6-D-FN6	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	7/8
1/2 NPT	-QC8-S-FN8	-QC8-D-FN8	2.0	1.3	3.1	2.82 (71.6)	3.02 (76.7)	1.1/16

Female Thread BSPT	Basic Ordering Numbers		Flow Coefficient (Cv)			Dimension in. (mm)		
	SESO	DESO	SESO	DESO	Full Flow	A		F
						SESO	DESO	
1/4 BSPT	-QC4-S-FR4	-QC4-D-FR4	0.3	0.2	0.4	2.26 (57.4)	2.32 (58.9)	3/4
3/8 BSPT	-QC6-S-FR6	-QC6-D-FR6	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	7/8
1/2 BSPT	-QC8-S-FR8	-QC8-D-FR8	2.0	1.3	3.1	2.82 (71.6)	3.02 (76.7)	1.1/16

Bodies B

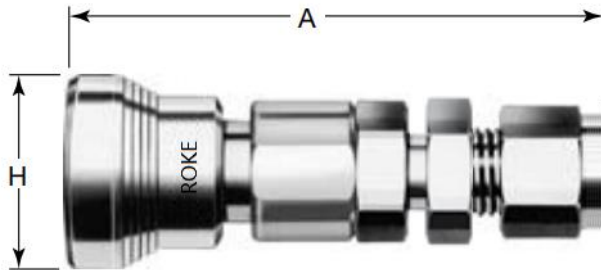
Tube Fitting Body



Inch. Fitting O.D. (in.)	Basic Ordering Numbers	Dimension in. (mm)	
		A	H
1/8	-QC4-B-FT2	2.32 (58.9)	0.91 (23.1)
1/4	-QC4-B-FT4	2.36 (59.9)	0.91 (23.1)
3/8	-QC6-B-FT6	2.52 (64.0)	1.03 (26.2)
1/2	-QC8-B-FT8	2.96 (75.2)	1.21 (30.7)

Metric Fitting O.D. (in.)	Basic Ordering Numbers	Dimension in. (mm)	
		A	H
6	-QC4-B-MT6	2.36 (59.9)	0.91 (23.1)
8	-QC4-B-MT8	2.40 (61.0)	0.91 (23.1)
10	-QC6-B-MT10	2.52 (64.0)	1.03 (26.2)
12	-QC8-B-MT12	2.96 (75.2)	1.21 (30.7)

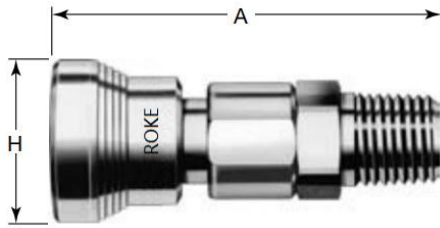
Bulkhead Tube Fitting Body



Inch. Fitting O.D. (in.)	Basic Ordering Numbers	Dimension in. (mm)			
		A	H	Max Panel Thickness	Min Panel Hole Dia
1/4	-QC4-B-BFT4	2.67 (67.8)	0.91 (23.1)	0.25 (6.4)	15/32 (11.9)
3/8	-QC6-B-BFT6	2.98 (75.7)	1.03 (26.2)	0.27 (6.9)	19/32 (15.1)
1/2	-QC8-B-BFT8	3.56 (90.4)	1.21 (30.7)	0.26 (6.6)	25/32 (19.8)

Metric Fitting O.D. (in.)	Basic Ordering Numbers	Dimension in. (mm)			
		A	H	Max Panel Thickness	Min Panel Hole Dia
6	-QC4-B-BMT6	2.67 (67.8)	0.91 (23.1)	0.25 (6.4)	15/32 (11.9)
8	-QC4-B-BMT8	2.71 (68.8)	0.91 (23.1)	0.25 (6.4)	17/32 (13.4)
10	-QC6-B-BMT10	2.98 (75.7)	1.03 (26.2)	0.27 (6.9)	19/32 (15.1)
12	-QC8-B-BMT12	3.56 (90.4)	1.21 (30.7)	0.26 (6.6)	25/32 (19.8)

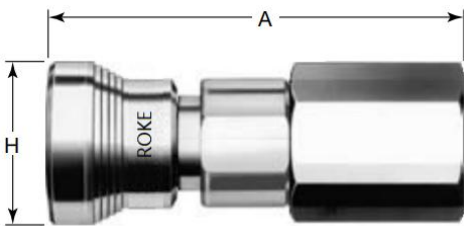
Male Thread Body



Male Thread NPT	Basic Ordering Numbers	Dimension in. (mm)	
		A	H
1/8 NPT	-QC4-B-MN2	2.01 (51.1)	0.91 (23.1)
1/4 NPT	-QC4-B-MN4	2.16 (54.9)	0.91 (23.1)
	-QC6-B-MN4	2.38 (60.5)	1.03 (26.2)
3/8 NPT	-QC6-B-MN6	2.38 (60.5)	1.03 (26.2)
1/2 NPT	-QC8-B-MN8	2.97 (75.4)	1.21 (30.7)

Male Thread BSPT	Basic Ordering Numbers	Dimension in. (mm)	
		A	H
1/4 BSPT	-QC4-B-MR4	2.16 (54.9)	0.91 (23.1)
3/8 BSPT	-QC6-B-MR6	2.38 (60.5)	1.03 (26.2)
1/2 BSPT	-QC8-B-MR8	2.97 (75.4)	1.21 (30.7)

Female Thread Body



Female Thread NPT	Basic Ordering Numbers	Dimension in. (mm)	
		A	H
1/8 NPT	-QC4-B-FN2	2.16 (54.9)	0.91 (23.1)
1/4 NPT	-QC4-B-FN4	2.42 (61.5)	0.91 (23.1)
	-QC6-B-FN4	2.54 (64.5)	0.91 (23.1)
3/8 NPT	-QC6-B-FN6	2.57 (65.3)	1.03 (26.2)
1/2 NPT	-QC8-B-FN8	3.22 (81.8)	1.21 (30.7)

Female Thread BSPT	Basic Ordering Numbers	Dimension in. (mm)	
		A	H
1/4 BSPT	-QC4-B-FR4	2.42 (61.5)	0.91 (23.1)
3/8 BSPT	-QC6-B-FR6	2.57 (65.3)	1.03 (26.2)
1/2 BSPT	-QC8-B-FR8	3.22 (81.8)	1.21 (30.7)

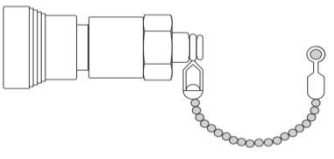
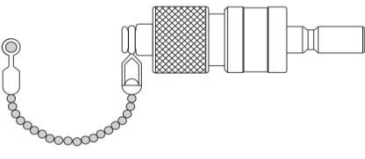
Full-Flow Quick-Connects (QC Series)

- ⦿ A full-flow QC series quick-connect consists of a SESO stem and a full-flow body.
- ⦿ To order a SESO stem, select a material designator add a basic ordering number and add.
Example: SS-QC4-S-FT4.
- ⦿ To order a full-flow body, select a basic ordering number and add a material designator and MB.
Example: SS-QC4-B-FT4.

QC Series Options

Stem and Body Protectors


Stem and body protectors guard against damage and contaminants when bodies and stems are uncoupled. Protectors are not pressure-containing devices; for pressure-retaining protectors, Please contact ROKE sales representative or dealer.

Series	Stem Protectors	Basic Ordering Numbers	Body Protectors	Basic Ordering Numbers
QC4		QC4-SP		QC4-BP
QC6		QC6-SP		QC6-BP
QC8		QC8-SP		QC8-BP

⦿ Model selection Description: material code (SS for stainless steel, B for brass) + Basic Ordering Numbers.

Keyed QC Series

ROKE keyed quick-connects provide a positive mechanical lockout system to prevent accidental intermixing of different lines in multifluid or multipressure systems.

<p>Features</p> <ul style="list-style-type: none"> ⦿ Stems and bodies are color coded and numbered for easy identification. ⦿ If an attempt is made to couple unlike keys, the valve system will not open. ⦿ Keyed quick-connects will not interchange with any other quick-connects. 	
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QC Series Key Numbers and Sleeve Outside Diameters

for use in calculating alignment positions when panel mounting

Key Color	Key Number and Designator	Sleeve Outside Diameter, in. (mm)					
		QC4		QC6		QC8	
		Body	Stem	Body	Stem	Body	Stem
Black	K1	0.96 (24.4)	0.82 (20.8)	1.13 (28.7)	0.99 (25.1)	1.26 (32.0)	1.10 (27.9)
Orange	K2	0.99 (25.1)	0.85 (21.6)	1.16 (29.5)	1.02 (25.9)	1.29 (32.8)	1.14 (29.0)
Green	K3	1.02 (25.9)	0.88 (22.4)	1.19 (30.2)	1.05 (26.7)	1.32 (33.5)	1.17 (29.7)
Yellow	K4	1.05 (26.7)	0.91 (23.1)	1.22 (31.0)	1.08 (27.4)	1.35 (34.3)	1.20 (30.5)
Blue	K5	1.08 (27.4)	0.94 (23.9)	1.24 (31.5)	1.11 (28.2)	1.38 (35.1)	1.23 (31.2)
White	K6	1.11 (28.2)	0.97 (24.6)	1.28 (32.5)	1.14 (29.0)	1.41 (35.8)	1.26 (32.0)
Purple	K7	1.14 (29.0)	1.00 (25.4)	1.31 (33.3)	1.17 (29.7)	1.44 (36.6)	1.29 (32.8)
Brown	K8	1.17 (29.7)	1.03 (26.2)	1.34 (34.0)	1.20 (30.5)	1.47 (37.3)	1.32 (33.5)

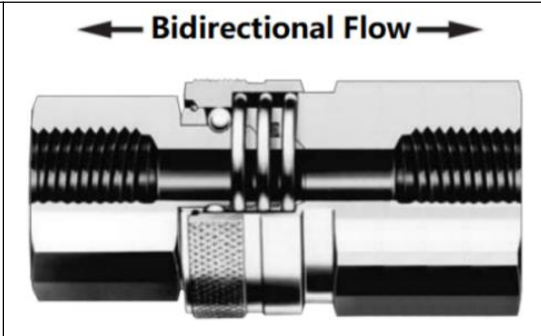
⦿ To order, add a key number designator to a QC series quick-connect ordering number. Example: SS-QC4-S-FT4-K1

Full-Flow Quick-Connects

QF Series (6000 psig)

Features

- ⦿ Compact coupling offers full flow without orifice restrictions.
- ⦿ O-ring is easily replaced without disassembling body.
- ⦿ Full-Flow design.
- ⦿ No valves at both ends to minimize the pressure drop.
- ⦿ Maximum working pressure 6000psig(413bar).



Material of Construction

NO.	Component	Material	
		316 SS	Brass
1	Stem	316 SS/A479	C36000/B16
2	Snap rings	316 SS/A313	
3	Locking Ball	440C/A276	
4	Sliding sleeve	316 SS/A479	C36000/B16
5	Spring	316 SS/A313	
6	O-ring	Fluorocarbon FKM	Buna N
7	Body	316 SS/A479	C36000/B16

Pressure-Temperature Ratings

Temperature °C (°F)	SS 316 with FKM O-ring				Brass with Buna N O-rings			
	SS-QF4	SS-QF8	SS-QF12	SS-QF16	B-QF4	B-QF8	B-QF12	B-QF16
	Pressure Rating Psig (bar)							
20 (70)	6000 (413)		4000 (275)		4000 (275)	3000 (206)	2000 (137)	
120(250) 200(400)	100 (6.8)							

★ **Warning: Do not uncouple under pressure!**

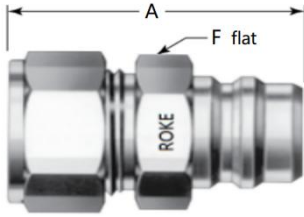
Insertion Depth

To calculate overall length in the coupled position, subtract the insertion depth from any overall stem and body combination length.

NO.	Series	Insertion Depth in. (mm)
1	QF4	0.78 (19.8)
2	QF8	0.81 (20.6)
3	QF12	0.90 (22.9)
4	QF16	0.94 (23.9)

Stemps S

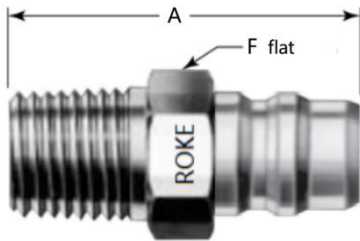
Tube Fitting Stem



Inch. Fitting O.D. (in.)	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)		
			A	F	Min Panel Hole Dia
1/4	-QF4-S-FT4	2.2	1.77 (45.0)	9/16	0.19 (4.8)
3/8	-QF4-S-FT6	2.8	1.77 (45.0)	11/16	0.24 (6.1)
	-QF8-S-FT6	2.9	1.88 (47.8)	7/8	0.28 (7.1)
1/2	-QF8-S-FT8	13	1.99 (50.5)	7/8	0.41 (10.4)
3/4	-QF12-S-FT12	26	2.15 (54.6)	1.1/16	0.62 (15.7)
1"	-QF16-S-FT16	45	2.45 (62.2)	1.3/8	0.88 (22.4)

Metric Fitting O.D. (in.)	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)		
			A	F	Min Panel Hole Dia
6	-QF4-S-MT6	2.2	1.77 (45.0)	9/16	0.19 (4.8)
10	-QF8-S-MT10	2.9	1.88 (47.8)	7/8	0.28 (7.1)
12	-QF8-S-MT12	13	1.99 (50.5)	7/8	0.41 (10.4)
18	-QF12-S-MT18	26	2.15 (54.6)	1.1/16	0.62 (15.7)
25	-QF16-S-MT25	45	2.45 (62.2)	1.3/8	0.88 (22.4)

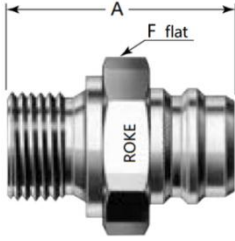
Male Thread Stem



Male Thread NPT	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)		
			A	F	Min Panel Hole Dia
1/4 NPT	-QF4-S-MN4	1.7	1.59 (40.4)	9/16	0.24 (6.1)
3/8 NPT	-QF4-S-MN6	1.7	1.59 (40.4)	11/16	0.24 (6.1)
	-QF8-S-MN6	7.1	1.65 (41.9)	7/8	0.41 (10.4)
1/2 NPT	-QF8-S-MN8	11.5	1.84 (46.7)	7/8	0.62 (15.7)
3/4 NPT	-QF12-S-MN12	23.6	2.03 (51.6)	1.1/16	0.72 (18.3)
1" NPT	-QF16-S-MN16	39.0	2.35 (59.7)	1.3/8	0.88 (22.4)

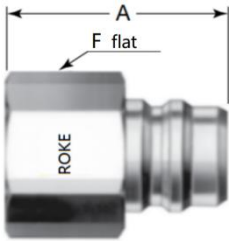
Male Thread BSPT	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)		
			A	F	Min Panel Hole Dia
1/4 BSPT	-QF4-S-MR4	1.7	1.59 (40.4)	9/16	0.24 (6.1)
3/8 BSPT	-QF4-S-MR6	1.7	1.59 (40.4)	11/16	0.24 (6.1)
	-QF8-S-MR6	7.1	1.65 (41.9)	7/8	0.41 (10.4)
1/2 BSPT	-QF8-S-MR8	11.5	1.84 (46.7)	7/8	0.62 (15.7)
3/4 BSPT	-QF12-S-MR12	23.6	2.03 (51.6)	1.1/16	0.72 (18.3)
1" BSPT	-QF16-S-MR16	39.0	2.35 (59.7)	1.3/8	0.88 (22.4)

Male Thread Stem



Male Thread BSP	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)		
			A	F	Min Panel Hole Dia
1/4 BSP	-QF4-S-MG4	1.7	1.59 (40.4)	3/4	0.24 (6.1)
3/8 BSP	-QF4-S-MG6	1.7	1.59 (40.4)	7/8	0.24 (6.1)
	-QF8-S-MG6	7.1	1.65 (41.9)	1.1/16	0.41 (10.4)
1/2 BSP	-QF8-S-MG8	11.5	1.84 (46.7)	1.1/16	0.62 (15.7)
3/4 BSP	-QF12-S-MG12	23.6	2.03 (51.6)	1.5/16	0.72 (18.3)
1" BSP	-QF16-S-MG16	39.0	2.35 (59.7)	1.5/8	0.88 (22.4)

Female Thread Stem



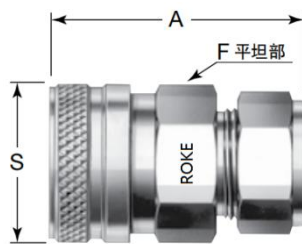
Female Thread NPT	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)		
			A	F	Min Panel Hole Dia
1/4 NPT	-QF4-S-FN4	1.7	1.60 (40.6)	3/4	0.24 (6.1)
3/8 NPT	-QF4-S-FN6	1.7	1.67 (42.4)	7/8	0.24 (6.1)
	-QF8-S-FN6	7.1	1.59 (40.4)	1.1/16	0.41 (10.4)
1/2 NPT	-QF8-S-FN8	11.5	1.82 (46.2)	1.1/16	0.62 (15.7)
3/4 NPT	-QF12-S-FN12	23.6	2.08 (52.8)	1.5/16	0.72 (18.3)
1" NPT	-QF16-S-FN16	39.0	2.49 (63.2)	1.5/8	0.88 (22.4)

Female Thread BSPT	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)		
			A	F	Min Panel Hole Dia
1/4 BSPT	-QF4-S-FR4	1.7	1.60 (40.6)	3/4	0.24 (6.1)
3/8 BSPT	-QF4-S-FR6	1.7	1.67 (42.4)	7/8	0.24 (6.1)
	-QF8-S-FR6	7.1	1.59 (40.4)	1.1/16	0.41 (10.4)
1/2 BSPT	-QF8-S-FR8	11.5	1.82 (46.2)	1.1/16	0.62 (15.7)
3/4 BSPT	-QF12-S-FR12	23.6	2.08 (52.8)	1.5/16	0.72 (18.3)
1" BSPT	-QF16-S-FR16	39.0	2.49 (63.2)	1.5/8	0.88 (22.4)

Female Thread BSP	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)		
			A	F	Min Panel Hole Dia
1/4 BSP	-QF4-S-FG4	1.7	1.60 (40.6)	3/4	0.24 (6.1)
3/8 BSP	-QF4-S-FG6	1.7	1.67 (42.4)	7/8	0.24 (6.1)
	-QF8-S-FG6	7.1	1.59 (40.4)	1.1/16	0.41 (10.4)
1/2 BSP	-QF8-S-FG8	11.5	1.82 (46.2)	1.1/16	0.62 (15.7)
3/4 BSP	-QF12-S-FG12	23.6	2.08 (52.8)	1.5/16	0.72 (18.3)
1" BSP	-QF16-S-FG16	39.0	2.49 (63.2)	1.5/8	0.88 (22.4)

Bodies B

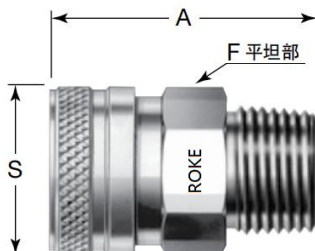
Tube Fitting Body



Inch. Fitting O.D. (in.)	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)			
			A	F	S	Min Panel Hole Dia
1/4	-QF4-B-FT4	2.2	1.80 (45.7)	11/16	0.87 (22.1)	0.19 (4.8)
3/8	-QF4-B-FT6	2.8	1.81 (46.0)	11/16	0.87 (22.1)	0.24 (6.1)
	-QF8-B-FT6	2.9	2.17 (55.1)	1.1/16	1.30 (33.0)	0.28 (7.1)
1/2	-QF8-B-FT8	13	2.23 (56.6)	1.1/16	1.30 (33.0)	0.41 (10.4)
3/4	-QF12-B-FT12	26	2.45 (62.2)	1.1/2	1.66 (42.2)	0.62 (15.7)
1"	-QF16-B-FT16	45	2.75 (69.9)	1.11/16	1.88 (47.8)	0.88 (22.4)

Metric Fitting O.D. (in.)	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)			
			A	F	S	Min Panel Hole Dia
6	-QF4-B-MT6	2.2	1.80 (45.7)	11/16	0.87 (22.1)	0.19 (4.8)
10	-QF8-B-MT10	2.9	1.81 (46.0)	11/16	0.87 (22.1)	0.24 (6.1)
12	-QF8-B-MT12	13	2.23 (56.6)	1.1/16	1.30 (33.0)	0.41 (10.4)
18	-QF12-B-MT18	26	2.45 (62.2)	1.1/2	1.66 (42.2)	0.62 (15.7)
25	-QF16-B-MT25	45	2.75 (69.9)	1.11/16	1.88 (47.8)	0.88 (22.4)

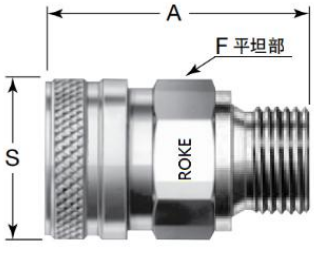
Male Thread Body



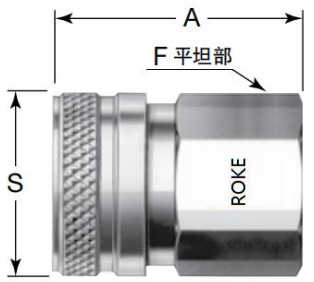
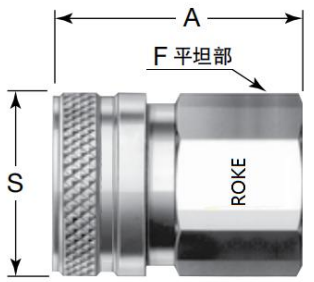
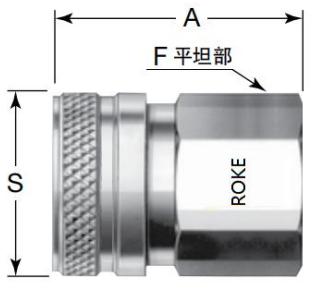
Male Thread NPT	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)			
			A	F	S	Min Panel Hole Dia
1/4 NPT	-QF4-B-MN4	1.7	1.57 (39.9)	11/16	0.87 (22.1)	0.24 (6.1)
3/8 NPT	-QF4-B-MN6	1.7	1.57 (39.9)	11/16	0.87 (22.1)	0.24 (6.1)
	-QF8-B-MN6	7.1	1.83 (46.5)	1.1/16	1.30 (33.0)	0.41 (10.4)
1/2 NPT	-QF8-B-MN8	11.5	2.08 (52.8)	1.1/16	1.30 (33.0)	0.62 (15.7)
3/4 NPT	-QF12-B-MN12	23.6	2.33 (59.2)	1.1/2	1.66 (42.2)	0.72 (18.3)
1" NPT	-QF16-B-MN16	39.0	2.65 (67.3)	1.11/16	1.88 (47.8)	0.88 (22.4)

Male Thread BSPT	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)			
			A	F	S	Min Panel Hole Dia
1/4 BSPT	-QF4-B-MR4	1.7	1.57 (39.9)	11/16	0.87 (22.1)	0.24 (6.1)
3/8 BSPT	-QF4-B-MR6	1.7	1.57 (39.9)	11/16	0.87 (22.1)	0.24 (6.1)
	-QF8-B-MR6	7.1	1.83 (46.5)	1.1/16	1.30 (33.0)	0.41 (10.4)
1/2 BSPT	-QF8-B-MR8	11.5	2.08 (52.8)	1.1/16	1.30 (33.0)	0.62 (15.7)
3/4 BSPT	-QF12-B-MR12	23.6	2.33 (59.2)	1.1/2	1.66 (42.2)	0.72 (18.3)
1" BSPT	-QF16-B-MR16	39.0	2.65 (67.3)	1.11/16	1.88 (47.8)	0.88 (22.4)

Male Thread Body

	Male Thread BSP	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)			
				A	F	S	Min Panel Hole Dia
	1/4 BSP	-QF4-B-MR4	1.7	1.57 (39.9)	3/4	0.87 (22.1)	0.24 (6.1)
	3/8 BSP	-QF4-B-MR6	1.7	1.57 (39.9)	7/8	0.87 (22.1)	0.24 (6.1)
		-QF8-B-MR6	7.1	1.83 (46.5)	1.1/16	1.30 (33.0)	0.41 (10.4)
	1/2 BSP	-QF8-B-MR8	11.5	2.08 (52.8)	1.1/16	1.30 (33.0)	0.62 (15.7)
	3/4 BSP	-QF12-B-MR12	23.6	2.33 (59.2)	1.1/2	1.66 (42.2)	0.72 (18.3)
	1" BSP	-QF16-B-MR16	39.0	2.65 (67.3)	1.11/16	1.88 (47.8)	0.88 (22.4)

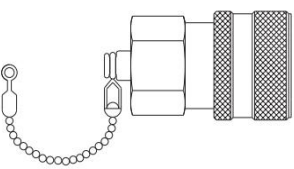
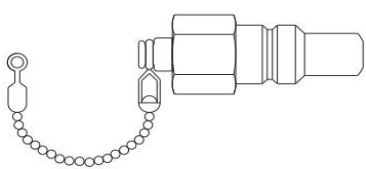
Female Thread Body

	Female Thread NPT	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)			
				A	F	S	Min Panel Hole Dia
	1/4 NPT	-QF4-B-FN4	1.7	1.50 (38.1)	3/4	0.87 (22.1)	0.24 (6.1)
	3/8 NPT	-QF4-B-FN6	1.7	1.63 (41.4)	7/8	0.87 (22.1)	0.24 (6.1)
		-QF8-B-FN6	7.1	1.73 (43.9)	1.1/16	1.30 (33.0)	0.41 (10.4)
	1/2 NPT	-QF8-B-FN8	11.5	1.73 (43.9)	1.1/16	1.30 (33.0)	0.62 (15.7)
	3/4 NPT	-QF12-B-FN12	23.6	1.89 (48.0)	1.1/2	1.66 (42.2)	0.72 (18.3)
	1" NPT	-QF16-B-FN16	39.0	2.12 (53.8)	1.11/16	1.88 (47.8)	0.88 (22.4)
	Female Thread BSPT	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)			
				A	F	S	Min Panel Hole Dia
	1/4 BSPT	-QF4-B-FR4	1.7	1.50 (38.1)	3/4	0.87 (22.1)	0.24 (6.1)
	3/8 BSPT	-QF4-B-FR6	1.7	1.63 (41.4)	7/8	0.87 (22.1)	0.24 (6.1)
		-QF8-B-FR6	7.1	1.73 (43.9)	1.1/16	1.30 (33.0)	0.41 (10.4)
	1/2 BSPT	-QF8-B-FR8	11.5	1.73 (43.9)	1.1/16	1.30 (33.0)	0.62 (15.7)
	3/4 BSPT	-QF12-B-FR12	23.6	1.89 (48.0)	1.1/2	1.66 (42.2)	0.72 (18.3)
	1" BSPT	-QF16-B-FR16	39.0	2.12 (53.8)	1.11/16	1.88 (47.8)	0.88 (22.4)
	Female Thread BSP	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)			
				A	F	S	Min Panel Hole Dia
	1/4 BSP	-QF4-B-FG4	1.7	1.50 (38.1)	3/4	0.87 (22.1)	0.24 (6.1)
	3/8 BSP	-QF4-B-FG6	1.7	1.63 (41.4)	7/8	0.87 (22.1)	0.24 (6.1)
		-QF8-B-FG6	7.1	1.73 (43.9)	1.1/16	1.30 (33.0)	0.41 (10.4)
	1/2 BSP	-QF8-B-FG8	11.5	1.73 (43.9)	1.1/16	1.30 (33.0)	0.62 (15.7)
	3/4 BSP	-QF12-B-FG12	23.6	1.89 (48.0)	1.1/2	1.66 (42.2)	0.72 (18.3)
	1" BSP	-QF16-B-FG16	39.0	2.12 (53.8)	1.11/16	1.88 (47.8)	0.88 (22.4)

QF Series Options

Stem and Body Protectors

Stem and body protectors guard against damage and contaminants when bodies and stems are uncoupled. Protectors are not pressure-containing devices; for pressure-retaining protectors, Please contact ROKE sales representative or dealer.

Series	Stem Protectors	Basic Ordering Numbers	Body Protectors	Basic Ordering Numbers
QF4		QF4-SP		QF4-BP
QF8		QF8-SP		QF8-BP
QF12		QF12-SP		QF12-BP
QF16		QF16-SP		QF16-BP

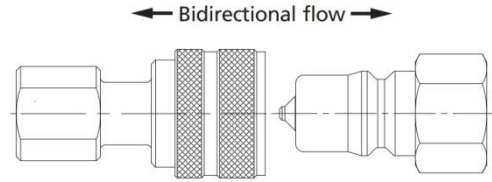
⦿ Model selection Description: material code (SS for stainless steel, B for brass) + Basic Ordering Numbers.

Hydraulic Quick-Connects

QV Series (2000 psig)

Features

- ⦿ Large flow area to ensure high flow capacity.
- ⦿ Positive valve stop to maintain valve alignment and to provide metal to metal valve stop to ensure that the valves are fully open.
- ⦿ Hardened nipples and sleeves as well as solid barstock construction to make for a quality coupling with maximum resistance to damage from hydraulic and mechanical shock.
- ⦿ Designed to withstand high pressure with reliable sealing.
- ⦿ Durable ball-locking mechanism to assure reliable connection
- ⦿ Maximum working pressure 2000psig(137 bar).



Material of Construction

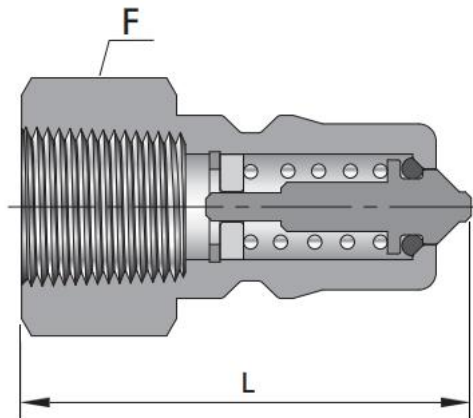
NO.	Component	Material	
		316 SS	Brass
1	Body	316 SS/A479	C36000/B16
2	Locating ring	304 SS	
3	Locking Block	316 SS/A479	C36000/B16
4	Spring	316 SS/A313	
5	Valve Stem	316 SS/A479	C36000/B16
6	O-ring	Fluorocarbon FKM	Buna N
7	O-ring	Fluorocarbon FKM	Buna N
8	Spring	316 SS/A313	
9	Locking Ball	440C/A276	
10	Body sleeve	316 SS/A479	C36000/B16
11	Snap rings	316 SS/A313	
12	Stem	316 SS/A479	C36000/B16

Pressure-Temperature Ratings

QV Series	SS 316 with FKM O-ring						Brass with Buna N O-rings					
	QV2	QV4	QV6	QV8	QV12	QV16	QV2	QV4	QV6	QV8	QV12	QV16
Temperature Range	-10°F to 400°F (-23°C to 204°C)						-10°F to 250°F (-23°C to 121°C)					
Working Pressure psig (bar)	2000 (137)		1500 (103)		1000 (69)		1000 (69)					

★ **Warning: Do not uncouple under pressure!**

Female Thred Stem

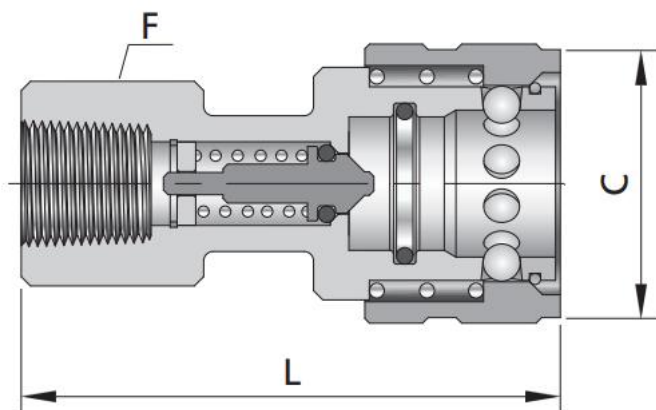


Female Thread NPT	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)	
			F	L
1/8	-QV2-S-FN2	0.2	9/16	1.16 (29.5)
1/4	-QV4-S-FN4	0.6	3/4	1.39 (35.3)
3/8	-QV6-S-FN6	1.2	7/8	1.50 (38.1)
1/2	-QV8-S-FN8	2.6	1.1/8	1.75 (44.5)
3/4	-QV12-S-FN12	3.3	1.3/8	2.15 (54.9)
1"	-QV16-S-FN16	6.2	1.5/8	2.91 (73.9)

Female Thread BSPT	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)	
			F	L
1/8	-QV2-S-FR2	0.2	9/16	1.16 (29.5)
1/4	-QV4-S-FR4	0.6	3/4	1.39 (35.3)
3/8	-QV6-S-FR6	1.2	7/8	1.50 (38.1)
1/2	-QV8-S-FR8	2.6	1.1/8	1.75 (44.5)
3/4	-QV12-S-FR12	3.3	1.3/8	2.15 (54.9)
1"	-QV16-S-FR16	6.2	1.5/8	2.91 (73.9)

Female Thread BSP	Basic Ordering Numbers	Flow Coefficient (Cv)	Dimension in. (mm)	
			F	L
1/8	-QV2-S-FG2	0.2	9/16	1.16 (29.5)
1/4	-QV4-S-FG4	0.6	3/4	1.39 (35.3)
3/8	-QV6-S-FG6	1.2	7/8	1.50 (38.1)
1/2	-QV8-S-FG8	2.6	1.1/8	1.75 (44.5)
3/4	-QV12-S-FG12	3.3	1.3/8	2.15 (54.9)
1"	-QV16-S-FG16	6.2	1.5/8	2.91 (73.9)

Female Thred Body



Female Thread NPT	Basic Ordering Numbers	Dimension in. (mm)		
		F	C	L
1/8	-QV2-B-FN2	0.63 (15.9)	0.96 (24.4)	1.90 (48.3)
1/4	-QV4-B-FN4	0.81 (20.6)	1.14 (29.0)	2.26 (57.4)
3/8	-QV6-B-FN6	0.88 (22.2)	1.40 (35.6)	2.49 (63.2)
1/2	-QV8-B-FN8	1.13 (28.6)	1.77 (45.0)	2.87 (72.9)
3/4	-QV12-B-FN12	1.31 (33.3)	2.14 (54.4)	3.56 (90.4)
1"	-QV16-B-FN16	1.63 (41.3)	2.52 (64.0)	4.18 (106)

Female Thread BSPT	Basic Ordering Numbers	Dimension in. (mm)		
		B	C	L
1/8	-QV2-B-FR2	0.63 (15.9)	0.96 (24.4)	1.90 (48.3)
1/4	-QV4-B-FR4	0.81 (20.6)	1.14 (29.0)	2.26 (57.4)
3/8	-QV6-B-FR6	0.88 (22.2)	1.40 (35.6)	2.49 (63.2)
1/2	-QV8-B-FR8	1.13 (28.6)	1.77 (45.0)	2.87 (72.9)
3/4	-QV12-B-FR12	1.31 (33.3)	2.14 (54.4)	3.56 (90.4)
1"	-QV16-B-FR16	1.63 (41.3)	2.52 (64.0)	4.18 (106)

Female Thread BSP	Basic Ordering Numbers	Dimension in. (mm)		
		B	C	L
1/8	-QV2-B-FG2	0.63 (15.9)	0.96 (24.4)	1.90 (48.3)
1/4	-QV4-B-FG4	0.81 (20.6)	1.14 (29.0)	2.26 (57.4)
3/8	-QV6-B-FG6	0.88 (22.2)	1.40 (35.6)	2.49 (63.2)
1/2	-QV8-B-FG8	1.13 (28.6)	1.77 (45.0)	2.87 (72.9)
3/4	-QV12-B-FG12	1.31 (33.3)	2.14 (54.4)	3.56 (90.4)
1"	-QV16-B-FG16	1.63 (41.3)	2.52 (64.0)	4.18 (106)

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