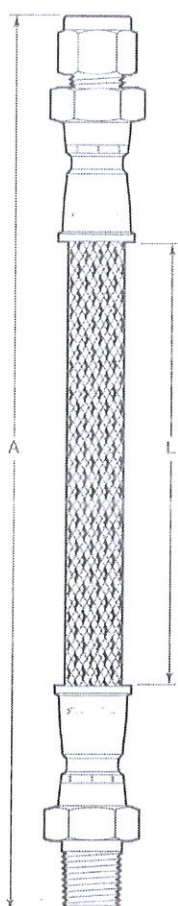


Ordering Information

Dimensions are for reference only and are subject to change.

FM Series Metal Flexible Hose Standard Assemblies

Select an ordering number.



Tube Fitting to Male NPT End Connection

Tube OD in.	Pipe Size in.	Minimum Inside Diameter in. (mm)	Maximum Outside Dimension, Hex Flat	A in. (cm)	Ordering Number	Hose Series	L in. (cm)
1/4	1/4	0.19 (4.8)	13/16 in.	12.0 (30.5)	SS-FM4SL4PM4-12	FM4	8.26 (21.0)
				36.0 (91.4)	SS-FM4SL4PM4-36		32.3 (82.0)
3/8	3/8	0.28 (7.1)	15/16 in.	18.0 (45.7)	SS-FM6SL6PM6-18	FM6	14.2 (36.1)
				36.0 (91.4)	SS-FM6SL6PM6-36		32.2 (81.8)
1/2	1/2	0.40 (10.2)	1 1/16 in.	18.0 (45.7)	SS-FM8SL8PM8-18	FM8	13.6 (34.5)
				48.0 (122)	SS-FM8SL8PM8-48		43.6 (111)
3/4	3/4	0.62 (15.7)	1 1/2 in.	18.0 (45.7)	SS-FM12SL12PM12-18	FM12	13.4 (34.0)
				48.0 (122)	SS-FM12SL12PM12-48		43.4 (110)
1	1	0.87 (22.1)	1 3/4 in.	24.0 (61.0)	SS-FM16SL16PM16-24	FM16	18.8 (47.8)
				60.0 (152)	SS-FM16SL16PM16-60		54.8 (139)

Tube Fitting End Connections

Tube OD in.	Minimum Inside Diameter in. (mm)	Maximum Outside Dimension, Hex Flat	A in. (cm)	Ordering Number	Hose Series	L in. (cm)
1/4	0.19 (4.8)	13/16 in.	12.0 (30.5)	SS-FM4SL4SL4-12	FM4	8.12 (20.6)
			36.0 (91.4)	SS-FM4SL4SL4-36		32.1 (81.5)
3/8	0.28 (7.1)	15/16 in.	18.0 (45.7)	SS-FM6SL6SL6-18	FM6	14.0 (35.6)
			36.0 (91.4)	SS-FM6SL6SL6-36		32.0 (81.3)
1/2	0.40 (10.2)	1 1/16 in.	18.0 (45.7)	SS-FM8SL8SL8-18	FM8	13.5 (34.3)
			48.0 (122)	SS-FM8SL8SL8-48		43.5 (110)
3/4	0.62 (15.7)	1 1/2 in.	18.0 (45.7)	SS-FM12SL12SL12-18	FM12	13.3 (33.8)
			48.0 (122)	SS-FM12SL12SL12-48		43.3 (110)
1	0.87 (22.1)	1 3/4 in.	24.0 (61.0)	SS-FM16SL16SL16-24	FM16	18.7 (47.5)
			60.0 (152)	SS-FM16SL16SL16-60		54.7 (139)

Tube Adapter End Connections

Tube OD in.	Minimum Inside Diameter in. (mm)	Maximum Outside Diameter in. (mm)	A in. (cm)	Ordering Number	Hose Series	L in. (cm)
1/4	0.19 (4.8)	0.81 (20.6)	12.0 (30.5)	SS-FM4TA4TA4-12	FM4	8.48 (21.5)
			24.0 (61.0)	SS-FM4TA4TA4-24		20.5 (52.1)
			36.0 (91.4)	SS-FM4TA4TA4-36		32.5 (82.6)
			48.0 (122)	SS-FM4TA4TA4-48		44.5 (113)

See *Custom Assemblies*, next page, for other end connections.



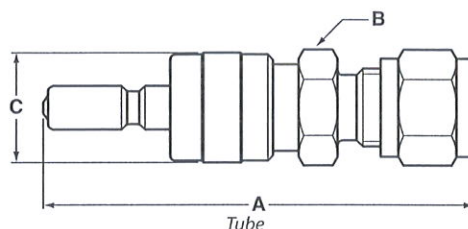
DAIS-0530-110918

HQC Series Instrumentation Quick Couplings

Dimensions: Plugs, Non-valved, Single End Shutoff (SES0)

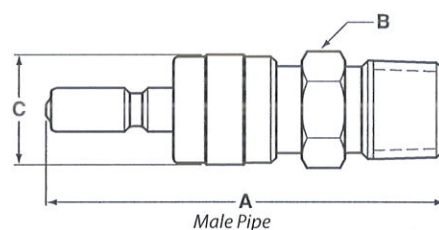
Tube

SERIES	BODY SIZE	TUBE SIZE	PART NO.	A	B HEX	C
HQC4	¼	⅝	HQC4-S-2-316	2.95	0.56	0.62
HQC4	¼	¾	HQC4-S-4-316	2.42	0.56	0.62
HQC4	¼	6mm	HQC4-S-6M0-316	79.2mm	14.2mm	15.7mm
HQC6	⅝	⅝	HQC6-S-6-316	2.60	0.69	0.74
HQC6	⅝	10mm	HQC6-S-10M0-316	67.1mm	19.1mm	18.8mm
HQC8	½	½	HQC8-S-8-316	3.15	0.88	0.88
HQC8	½	12mm	HQC8-S-12M0-316	100.1mm	22.4mm	22.4mm



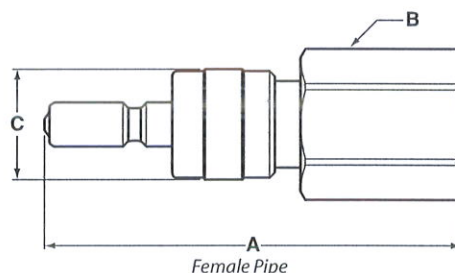
Male Pipe

SERIES	BODY SIZE	PIPE THREAD	PART NO.	A	B HEX	C
HQC4	¼	⅝ NPT	HQC4-S-2M-316	2.06	0.56	0.62
HQC4	¼	¾ NPT	HQC4-S-4M-316	2.24	0.56	0.62
HQC4	¼	¾ BSPT	HQC4-S-4MT-316	2.24	0.56	0.62
HQC6	⅝	⅝ NPT	HQC6-S-4M-316	2.33	0.75	0.74
HQC6	⅝	⅝ NPT	HQC6-S-6M-316	2.33	0.75	0.74
HQC6	⅝	⅝ BSPT	HQC6-S-6MT-316	2.33	0.75	0.74
HQC8	½	½ NPT	HQC8-S-8M-316	2.87	0.88	0.88
HQC8	½	½ BSPT	HQC8-S-8MT-316	2.87	0.88	0.88



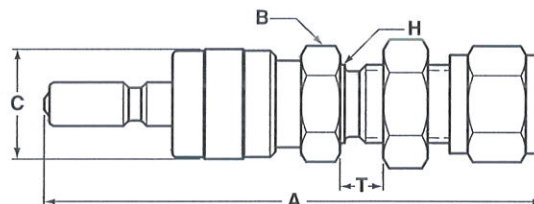
Female Pipe

SERIES	BODY SIZE	PIPE THREAD	PART NO.	A	B HEX	C
HQC4	¼	⅝ NPT	HQC4-S-2F-316	2.21	0.56	0.62
HQC4	¼	¾ NPT	HQC4-S-4F-316	2.34	0.75	0.62
HQC4	¼	¾ BSPT	HQC4-S-4FT-316	2.34	0.75	0.62
HQC6	⅝	⅝ NPT	HQC6-S-4F-316	2.51	0.75	0.74
HQC6	⅝	⅝ NPT	HQC6-S-6F-316	2.53	0.88	0.74
HQC6	⅝	⅝ BSPT	HQC6-S-6FT-316	2.53	0.88	0.74
HQC8	½	½ NPT	HQC8-S-8F-316	3.12	1.06	0.88
HQC8	½	½ BSPT	HQC8-S-8FT-316	3.12	1.06	0.88



Bulkhead Tube

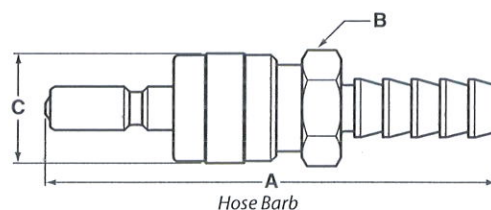
SERIES	BODY SIZE	TUBE SIZE	PART NO.	A	B HEX	C
HQC4	¼	¾	HQC4-S1-4-316	2.80	0.56	0.62
HQC4	¼	6mm	HQC4-S1-6M0-316	88.8mm	14.2mm	15.7mm
HQC6	⅝	⅝	HQC6-S1-6-316	3.24	0.69	0.74
HQC6	⅝	10mm	HQC6-S1-10M0-316	82.3mm	19.1mm	18.8mm



Bulkhead Tube
For 'H' and 'T' dimensions, see page 5

Hose Barb

SERIES	BODY SIZE	HOSE	PART NO.	A	B HEX	C
HQC6	⅝	⅝	HQC6-S-6H-316	2.66	0.69	0.74



Note: All dimensions in inches unless specified as 'mm' (millimeters).



HQC Series Instrumentation Quick Couplings

Rated Working Pressure (psi)

	STAINLESS STEEL PRODUCTS		
BODY SIZE	1/4"	3/8"	1/2"
CONNECTED POSITION	3600	1500	750
DISCONNECTED POSITION	3600	1500	750
CONNECT UNDER PRESSURE	250	250	250

Spillage/Air Inclusion

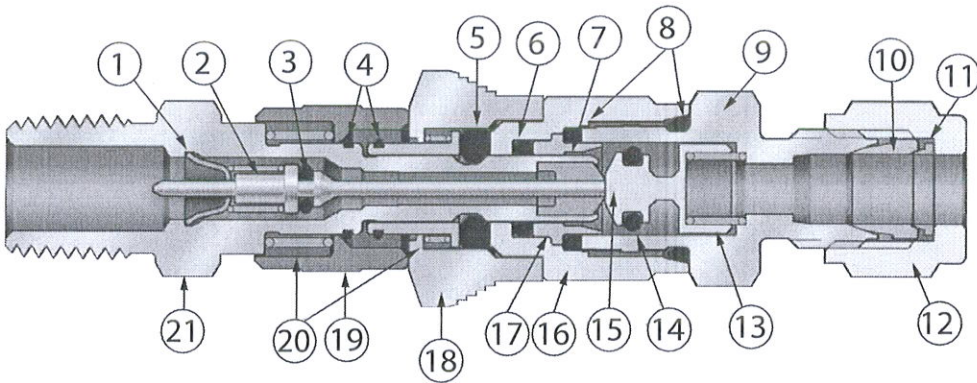
	AIR INCLUSION	SPILLAGE
HQC4	0.3 cm ³	0.3 cm ³
HQC6	1.0 cm ³	1.0 cm ³
HQC8	3.0 cm ³	3.0 cm ³

Materials of Construction

	STAINLESS STEEL PRODUCTS
MACHINED PARTS	Stainless Steel AISI type 316
SPRING AND RETAINING RINGS	Stainless Steel AISI type 316
SEALS	O-rings: Viton® is standard +20° F to +400° F

Standard seal lubrication is Krytox®.

- 1 Spider
- 2 Poppet
- 3 O-ring
- 4 Retaining ring
- 5 Locking tabs
- 6 Plug seal
- 7 Poppet guide
- 8 O-rings
- 9 Body
- 10 GYROLOK® front ferrule
- 11 GYROLOK® rear ferrule
- 12 GYROLOK® nut
- 13 Spring
- 14 O-ring
- 15 Poppet
- 16 Body housing
- 17 Body seat
- 18 Body sleeve
- 19 Plug sleeve
- 20 Spring
- 21 Plug



Flow

