

Hydraulic Quick Connectors

SHQC Series

Features

- Large flow areas machined into the body of the socket and plug facilitate flow around the valve for a high flow capacity.
- Both socket and plug have automatic shut-off valve inside so that the fluid in the line will not flow out on disconnection.
- Various standard seal materials are available to suit a variety of fluids.
- In compliance with ISO 7241 series B standard.



Pressure Ratings

Brass with NBR O-ring

Size (inch)	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Working Pressure, psi(bar)	725 (50)			435 (30)			290 (20)		218 (15)

Stainless Steel 316 with Viton O-ring

Size (inch)	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Working Pressure, psi(bar)	1000 (70)			725 (50)			560 (40)		435 (30)

Temperature Range

Seal Material	NBR	Viton	EPDM
Temperature Range	-20 ~ 80°C	-20 ~ 180°C	-40 ~ 150°C

Flow Rate – Pressure Loss Characteristics

- Fluid : oil
- Temperature : 30±5 °C
- Fluid viscosity : 30 X 10⁻⁶ m²/s
- Density : 0.87 X 10³ kg/m³

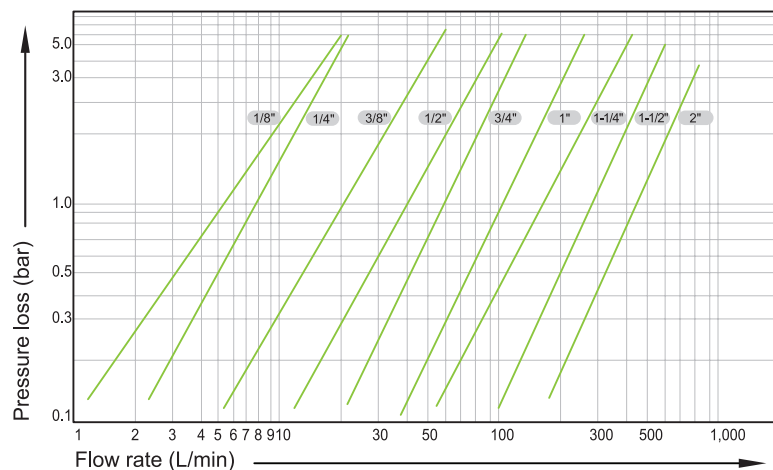
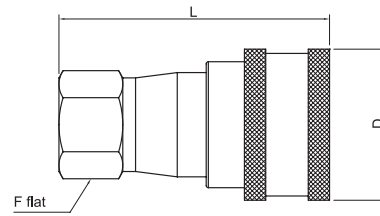
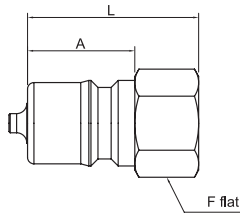


Table of Dimensions



Plug

Ordering Number		End Connection		Dimensions (mm)		
Plug Series	Part No.	Type		A	L	F
SHQC1P	F 2N	1/8" Female NPT		19	30	14
	F 2R	1/8" Female PT				
SHQC2P	F 4N	1/4" Female NPT		22	36	17
	F 4R	1/4" Female PT				
SHQC3P	F 6N	3/8" Female NPT		25	40	22
	F 6R	3/8" Female PT				
SHQC4P	F 8N	1/2" Female NPT		28	44	28.6
	F 8R	1/2" Female PT				
SHQC5P	F 12N	3/4" Female NPT		36	52	35
	F 12R	3/4" Female PT				
SHQC6P	F 16N	1" Female NPT		40	62	41
	F 16R	1" Female PT				
SHQC7P	F 20N	1-1/4" Female NPT		45	70	54
	F 20R	1-1/4" Female PT				
SHQC8P	F 24N	1-1/2" Female NPT		49	75	63.5
	F 24R	1-1/2" Female PT				
SHQC9P	F 32N	2" Female NPT		52	88	76
	F 32R	2" Female PT				

Socket

Ordering Number		End Connection		Dimensions (mm)		
Socket Series	Part No.	Type		D	L	F
SHQC1B	F 2N	1/8" Female NPT		24	48	17
	F 2R	1/8" Female PT				
SHQC2B	F 4N	1/4" Female NPT		28	58	19
	F 4R	1/4" Female PT				
SHQC3B	F 6N	3/8" Female NPT		35	63.5	22
	F 6R	3/8" Female PT				
SHQC4B	F 8N	1/2" Female NPT		44.5	72	29
	F 8R	1/2" Female PT				
SHQC5B	F 12N	3/4" Female NPT		50	88	35
	F 12R	3/4" Female PT				
SHQC6B	F 16N	1" Female NPT		60	102	41
	F 16R	1" Female PT				
SHQC7B	F 20N	1-1/4" Female NPT		74.5	115	54
	F 20R	1-1/4" Female PT				
SHQC8B	F 24N	1-1/2" Female NPT		84.5	124	62
	F 24R	1-1/2" Female PT				
SHQC9B	F 32N	2" Female NPT		108	140	76
	F 32R	2" Female PT				

- Dimensions and Drawings are for reference only and are subject to change without prior notice.
- Unless otherwise specified, all dimensions are in millimeters.
- Sizes, pressure classes, and end connections not listed are available upon request.

Ordering Information

Example : **SHQC2P - F 4N - E - B**

1
2
3
4
5

1. Plug & Socket Series

Plug

- SHQC1P
- SHQC2P
- SHQC3P
- SHQC4P
- SHQC5P
- SHQC6P
- SHQC7P
- SHQC8P
- SHQC9P

Socket

- SHQC1B
- SHQC2B
- SHQC3B
- SHQC4B
- SHQC5B
- SHQC6B
- SHQC7B
- SHQC8B
- SHQC9B

2. End Connection

- F = Female Thread

3. Connection Size

Thread (inch)	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
NPT	2N	4N	6N	8N	12N	16N	20N	24N	32N
PT	2R	4R	6R	8R	12R	16R	20R	24R	32R

4. Seal Material

- (Blank) = Viton (Standard)
- N = NBR
- R = EPDM

5. Material

- (Blank) = 316 Stainless steel
- B = Brass

※ For special sizes and configurations, please consult BMT (SUPERLOK) sales representative.