

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

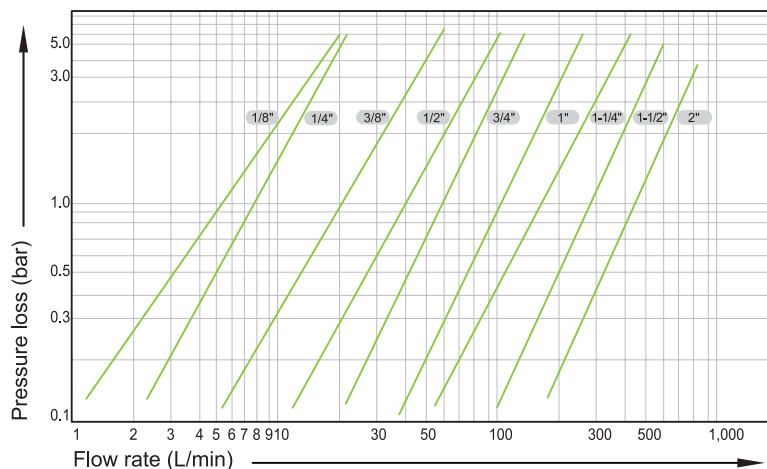
Size (inch)	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Working Pressure, psi(bar)	1000 (70)			725 (50)			560 (40)		435 (30)

Temperature Range

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

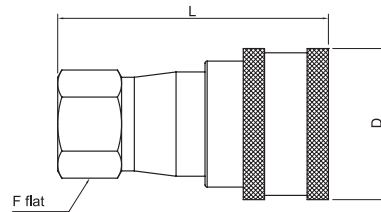
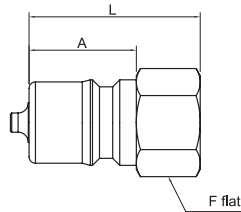
Flow Rate – Pressure Loss Characteristics

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



- Components can limit the pressure and temperature ranges of the connector. Please consult BMT (SUPERLOK) sales representative for your specific application.

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

Socket

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

2. End Connection

- F = Female Thread

3. Connection Size

Thread (inch)	1/8	1/4	3/8	1/2	3/4	1	1-14	1-12	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.