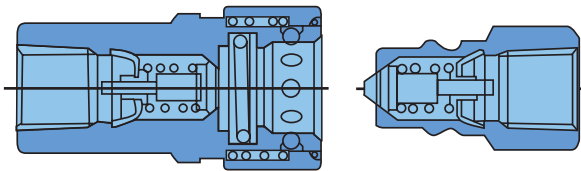
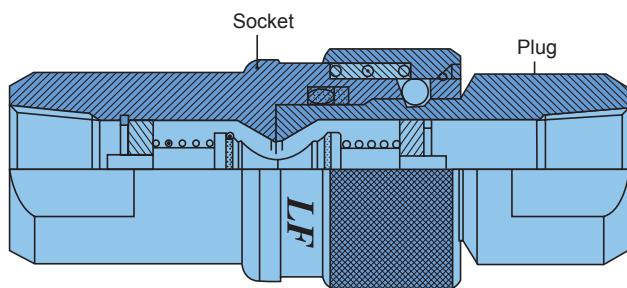


HP High Pressure Quick Coupling

For high pressure Twin valve type

Features:

- Both the socket and plug of this twin valve coupling incorporate a shutoff valve. The moment the socket and plug are disconnected, the valves on the socket and plug sides contact the mating seat sections to completely seal the socket and plug sides.
- The body is made of chromium-molybdenum steel and hardened to ensure high durability and a high resistance to abrasion.
- This series has been designed for use under high pressure and is highly resistant to vibration and a high resistance to abrasion.
- Due to low pressure loss, this series is ideally suited for highly pressurized oil and gas pipes.



Explanation:

When disconnecting

When the sleeve of the socket is moved to the socket side, the steel ball can move freely in the outer circumferential direction. The socket by the reaction forces of the socket and plug valve springs. The moment the plug is disconnected, the valves on the socket and plug sides contact the mating seat sections to stop the fluid from flowing.

When connecting

If the plug is inserted while the sleeve remains on the socket side, the sleeve is returned to its former position by the force of the sleeve spring and the steel ball locks in place to ensure connection. At this time, the valve on the socket side and that on the plug side push against each other to open the passage and allow fluid to flow. The O-ring completely prevents fluid leakage.

Notes:

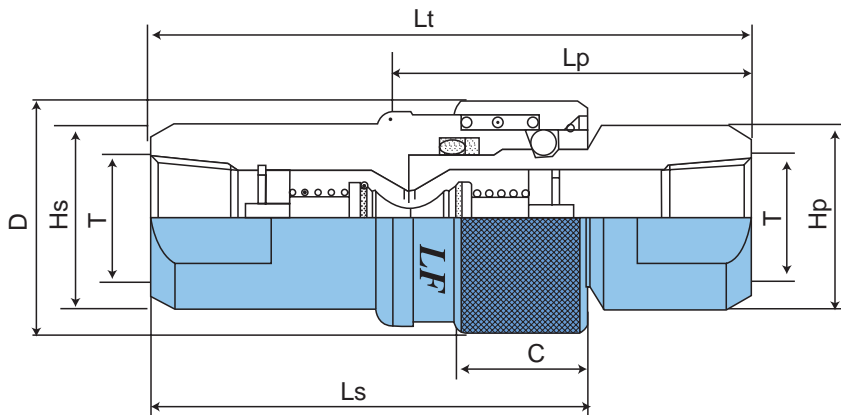
Note that sockets can be connected to plugs only when their nominal diameters are the same.

Female connection, don't wring the male corresponding too tight.

Don't let any impurity get into the seal fitting, or else it might occur leakage.

Model	2-HP	3-HP	4-HP	6-HP	8-HP	10-HP	12-HP	16-HP
Nominal diameter	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Material of socket/plug body	Chromized Steel(Galvanized Steel)							
Connection method	Female screw(F)/ Socket(S) / Plug(P)							
Working pressure kgf/cm ²			210 (315)				180 (270)	140 (210)
Valve packing material Working temperature range	NITRILE RUBBER (NBR) -20°C~+80°C							
Applicable fluid	Hydraulic Fluid / High Pressure Gas							
Use	Hydraumatic Machine / High Pressure Gas Hose							

Ordering Type and Model Dimensions:



Type	Screw size T	Socket(s)					Plug(p)			Length After Assembling (MM)
		Dimensions(mm)				Weight(g)	Dimensions(mm)		Weight(g)	
		Ls	Hs	D	C		Lp	Hp		
2-HP	PT1/4"	50	Ø22	Ø28	16	135	33	Hex 19/21.9	45	68
3-HP	PT3/8"	62	Ø25	Ø34	20	220	40	Hex 23/26.6	70	80
4-HP	PT1/2"	73	Ø35	Ø43	24	480	46	Hex 30/34.6	140	93
6-HP	PT3/4"	73	Ø35	Ø43	24	460	48	Ø35	145	100
8-HP	PT1"	93	Ø45	Ø59	27	1050	58	Ø44	330	120
10-HP	PT1-1/4"	138	Ø64	Ø89	36	1600	80	Ø64	900	162
12-HP	PT1-1/2"	138	Ø64	Ø89	36	1550	80	Ø64	700	162
16-HP	PT2"	198	Ø90	Ø123	40	3650	115	Ø100	1510	232

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED. ONLY FOR REFERENCE SUBJECT TO CHANGE.