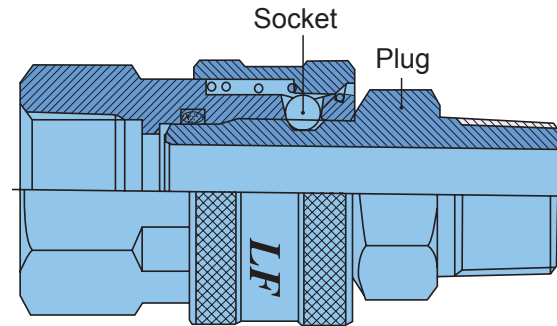


TS Quick Coupling

For middle & low pressure, wide applications Valveless type.



Features:

- This valveless model has no valve mechanism in the socket and none in the plug.
- The internal construction features a low flow resistance to reduce pressure loss. This series is thus well-suited to high-viscosity fluids, steam and pulverulent bodies.
- Both the socket and plug are available with male screw connection, female screw connection and hose connection. Such connections can be combined as desired.
- Numerous models are available varying in nominal diameter, body material, O-ring material and connection method. You can select precisely the best model for your application and operating conditions.

Notes:

Note that sockets can be connected to plugs only when their nominal diameters are the same.
 Sockets and plugs with large nominal diameters have a low resistance to pressure. Bear this in mind when using large sockets and plugs.
 Please specify the O-ring material in accordance with the type of fluid to be piped.

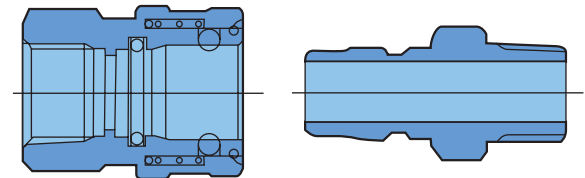
Explanation:

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 and the plug can be removed. Since both the socket and plug have no valve mechanism, the fluid flows outward.

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. The steel ball locks in place to ensure connection. The O-ring completely prevents fluid leakage.

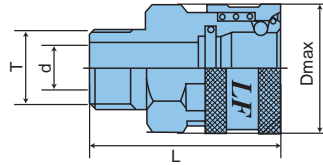


Model	1-TS	2-TS	3-TS	4-TS	6-TS	8-TS	10-TS	12-TS	16-TS
Nominal diameter	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Material of socket/plug body	Steel SC/Brass C3604(BsBM)/Stainless steel								
Connection method	Socket	Female screw(F)/ Male screw(M) / Hose nipple(H)							
	Plug								
Working pressure kgf/cm ²	Brass	50(75)		30(45)		20(30)		16(23)	
	Stainless Steel	75(100)		45(65)		30(40)		20(30)	
	Steel	75(100)		45(65)		30(40)		20(30)	
Valve packing material	Standard	VITON (FPM) : -20°C ~ +180°C							
Working temperature range	Special	NITRILE RUBBER(NBR) : -20°C ~ +80°C							
Applicable fluid	Brass	Petrol/Heavy oil/Kerosene/Water/Steam							
	Stainless Steel	Acid liquid/Alkalinity liquid/Brine							
	Steel	Hydraulic oil							
Use	Hydraulic press/Hydraulic tube/Water pipe/Steam pipe/Brine pipelines/Chemical engineering machinery/High-pressure gas pipelines								

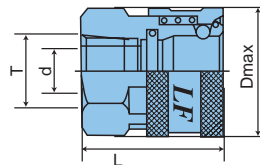
Ordering Type and Model Dimensions:

TS SOCKET (S)

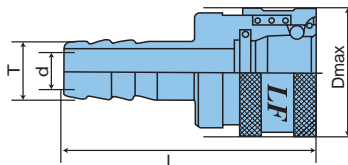
SM Male Socket



SF Female Socket

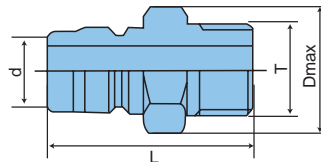


SH Hose Socket

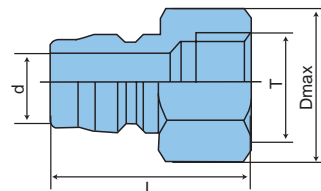


TS PLUG (P)

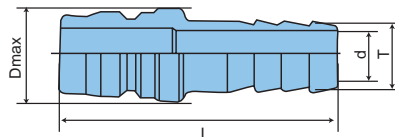
PM Male Plug



PF Female Plug



PH Hose Plug



Type	Screw size T	Dimensions(mm)			Weight(g)	
		Length L	Dmax	Dmin d	Brass	Stainless Steel
1-TS	PT1/8"	30	Ø18	Ø5	28	27
2-TS	PT1/4"	42	Ø24	Ø7	70	65
3-TS	PT3/8"	45	Ø28	Ø10	100	93
4-TS	PT1/2"	54	Ø35	Ø13	180	166
6-TS	PT3/4"	64	Ø45	Ø17	360	335
8-TS	PT1"	74	Ø57	Ø24	680	628
10-TS	PT1-1/4"	86	Ø69	Ø32	1030	960
12-TS	PT1-1/2"	93	Ø76	Ø38	1250	1180
16-TS	PT2"	105	Ø95	Ø48	2130	2020

Type	Screw size T	Dimensions(mm)			Weight(g)	
		Length L	Dmax	Dmin d	Brass	Stainless Steel
1-TS	PT1/8"	25	Ø18	Ø5	25	24
2-TS	PT1/4"	32	Ø24	Ø7	55	50
3-TS	PT3/8"	36	Ø28	Ø10	90	83
4-TS	PT1/2"	42	Ø35	Ø13	160	148
6-TS	PT3/4"	50	Ø45	Ø17	320	300
8-TS	PT1"	59	Ø57	Ø26	525	490
10-TS	PT1-1/4"	64	Ø69	Ø34	900	825
12-TS	PT1-1/2"	73	Ø76	Ø38	1050	970
16-TS	PT2"	95	Ø95	Ø50	1850	1660

Type	Hose size T	Dimensions(mm)			Weight(g)	
		Length L	Dmax	Dmin d	Brass	Stainless Steel
1-TS	1/4"	30	Ø18	Ø5	28	27
2-TS	5/16"	42	Ø24	Ø7	70	65
3-TS	3/8"	45	Ø28	Ø10	100	93
4-TS	1/2"	54	Ø35	Ø13	180	166
6-TS	3/4"	64	Ø45	Ø17	360	335
8-TS	1"	74	Ø57	Ø24	680	628
10-TS	1-1/4"	86	Ø69	Ø32	1030	960
12-TS	1-1/2"	93	Ø76	Ø38	1250	1180
16-TS	2"	105	Ø95	Ø48	2130	2020

Type	Screw size T	Dimensions(mm)			Weight(g)	
		Length L	Dmax	Dmin d	Brass	Stainless Steel
1-TS	PT1/8"	31	Hex 11/12.7	Ø5	25	24
2-TS	PT1/4"	38	Hex 17/19.6	Ø7	32	30
3-TS	PT3/8"	43	Hex 19/21.9	Ø10	45	42
4-TS	PT1/2"	52	Hex 23/26.6	Ø13	84	78
6-TS	PT3/4"	59	Hex 29/33.5	Ø17	150	138
8-TS	PT1"	74	Hex 38/43.9	Ø24	320	300
10-TS	PT1-1/4"	83	Ø55	Ø32	530	505
12-TS	PT1-1/2"	93	Ø65	Ø38	710	675
16-TS	PT2"	105	Ø80	Ø48	1430	1320

Type	Screw size T	Dimensions(mm)			Weight(g)	
		Length L	Dmax	Dmin d	Brass	Stainless Steel
1-TS	PT1/8"	25	Hex 14/16.2	Ø5	13	13
2-TS	PT1/4"	32	Hex 17/19.6	Ø7	17	16
3-TS	PT3/8"	38	Hex 21/24.2	Ø10	45	42
4-TS	PT1/2"	44	Hex 26/30	Ø13	85	78
6-TS	PT3/4"	50	Hex 35/40.4	Ø17	177	161
8-TS	PT1"	59	Hex 41/47.3	Ø26	265	240
10-TS	PT1-1/4"	64	Ø60	Ø32	610	580
12-TS	PT1-1/2"	75	Ø65	Ø38	750	635
16-TS	PT2"	81	Ø81	Ø50	1350	1180

Type	Hose size T	Dimensions(mm)			Weight(g)	
		Length L	Dmax	Dmin d	Brass	Stainless Steel
1-TS	1/4"	42	Ø12	Ø3	12	12
2-TS	5/16"	53	Ø14	Ø5	25	23
3-TS	3/8"	60	Ø18	Ø7	40	37
4-TS	1/2"	69	Ø22	Ø10	75	69
6-TS	3/4"	80	Ø28	Ø15	132	124
8-TS	1"	104	Ø40	Ø19	340	315
10-TS	1-1/4"	121	Ø50	Ø25	560	525
12-TS	1-1/2"	130	Ø55	Ø32	700	650
16-TS	2"	142	Ø70	Ø40	1450	1350

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