

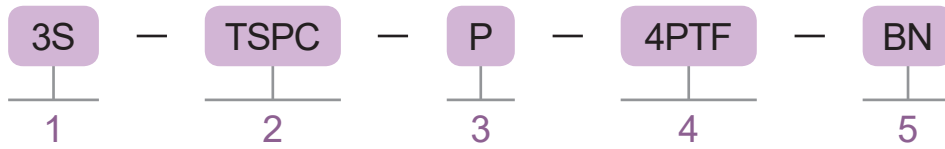
SP-Coupler (ISO 7241 Series B)



TSPC SERIES

- Maximum Working Pressure : 50 bar(5 MPa) @ 100 °F(37 °C)
- Maximum Working Temperature Range : -20 °C to 130 °C(FKM)
- Applications: Pneumatic & hydraulic hand tools, Shipbuilding and offshore industry, Transport, Power generating plants, Hydroelectric power stations.
- Every TSPC Series coupler is leak-tested at 5 bar before packaging.

ORDERING INFORMATION



1. BODY MATERIALS

Material	Designator
316 SS	Blank
303 SS	3S
BRASS	B

2. SERIES DESIGNATOR

Size	Designator
1/8"	TSPC
1/4"	
3/8"	
1/2"	
3/4"	
1"	

3. COMPONENT DESIGNATOR

Series	Designator
Socket	S
Plug	P
Socket & Plug Set	SP

4. CONNECTION SIZE & TYPE

Connection Size	Designator
1/8"	2
1/4"	4
3/8"	6
1/2"	8
3/4"	12
1"	16

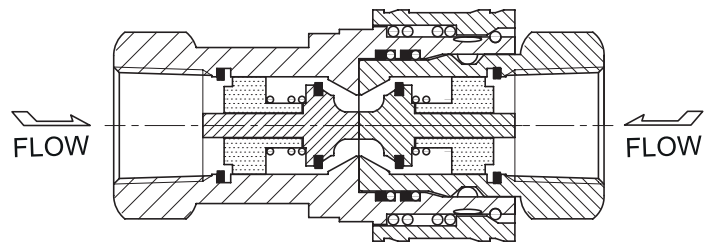
Connection Type	Designator
Female NPT	NF
Female ISO Tapered	PTF

5. O-RING MATERIALS

Packing Material	Designator
KFM (303SS, 316SS Standard)	Blank
NBR (BRASS Standard)	Blank
NBR	BN

FEATURES

- Meet the requirement of ISO 7241, Series B
- Fluid can flow from either the socket or plug side
- Since both the socket and plug have check-valves, there are no fluid leaks upon connection.
- Prevents hose twisting and distortion.
- Compatible: PARKER 60, FASTER HNV, NITTO SP
- Can be used for any type of industrial applications because of the broad range of materials, seals and end configurations.
- If you want to use it in the semiconductor industry, please contact the TK-FUJIKIN or your authorized TK-FUJIKIN representative.



TECHNICAL DATA

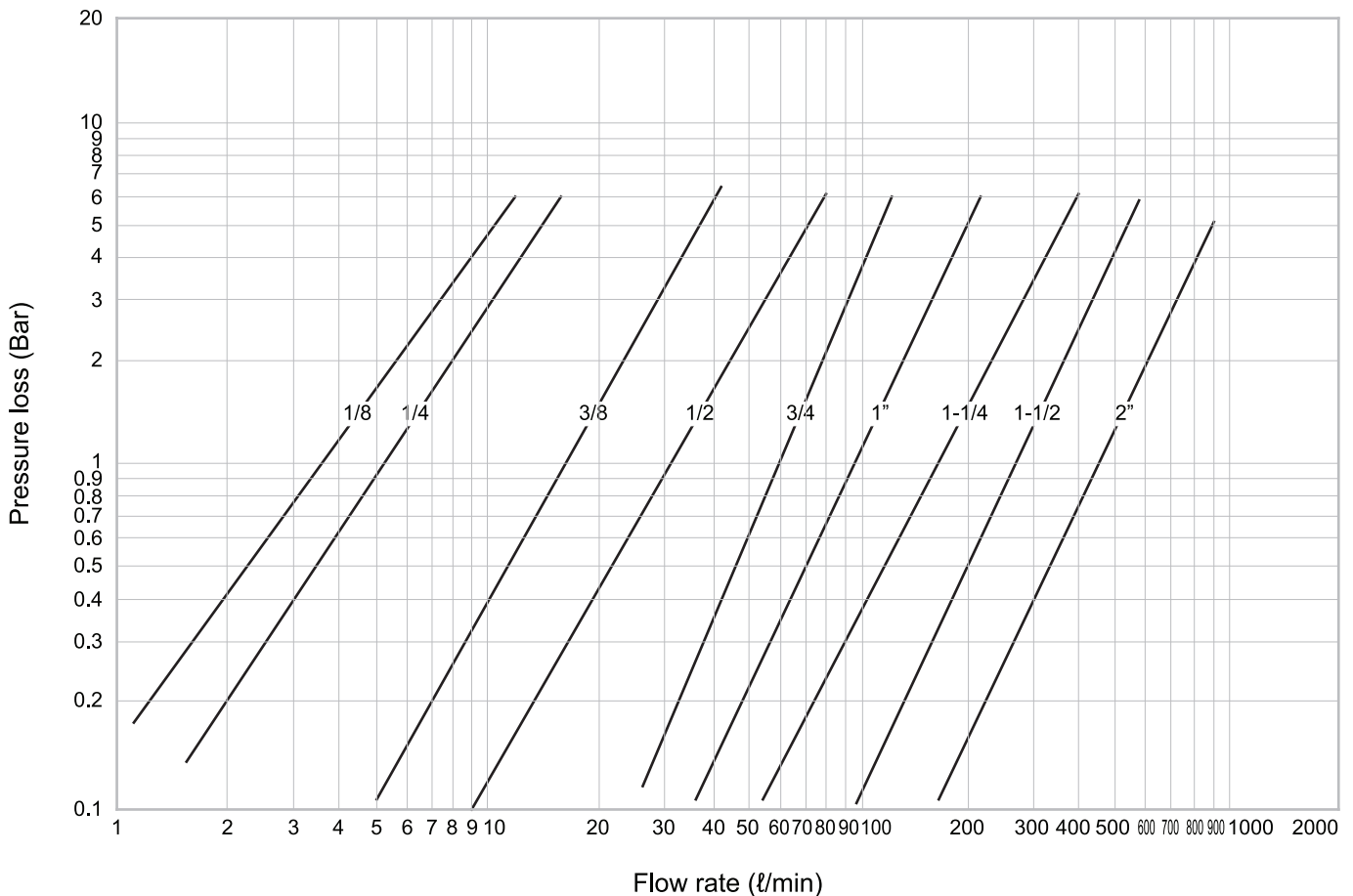
SPECIFICATIONS

Body Material	303 SS, 316 SS, BRASS					
Port Connections	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Max. Working Pressure (bar)	50					

SEALING MATERIAL - TEMPERATURE RATING

Sealing Material	Temperature Rating	Ref.
FKM	-20 °C to 130 °C	303SS, 316SS Standard
NBR	-20 °C to 80 °C	BRASS Standard

FLOW RATE-PRESSURE LOSS GRAPH

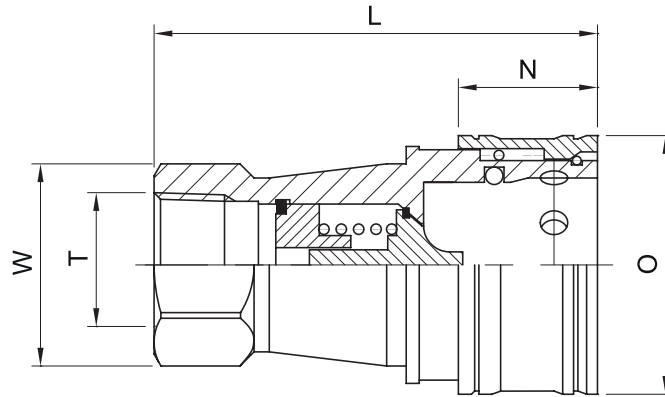


INSTALLATION INSTRUCTIONS

- Please select the appropriate sealing materials in accordance with the type of fluid and temperature.
- Do not rotate SP-Coupler while coupled.
- Do not insert a foreign objects into the uncoupled Socket or Plug.
- Keep Socket and Plug aligned when coupling and uncoupling.

DIMENSIONS

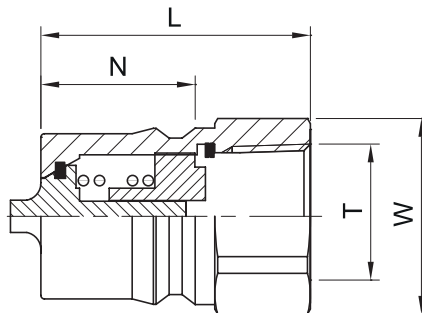
SOCKET



unit : mm

Part No.	T	W	L	N	O
	ISO / NPT	Wrench Flat			
TSPC-S	1/8"	17	48	17.5	24
	1/4"	19	58	17.5	28
	3/8"	22	65	20	34.5
	1/2"	29	72	25.5	41.5
	3/4"	35	88	30	49.5
	1"	41	102	32	59.5

SOCKET



unit : mm

Part No.	T	W	L	N
	ISO / NPT	Wrench Flat		
TSPC-P	1/8"	14	30	15.5
	1/4"	17	36	18
	3/8"	22	40	21.5
	1/2"	27	44	22.5
	3/4"	35	52	30
	1"	41	62	35