

For Low Pressure (Air)

Twist Plug

For pneumatic tools and devices

Working pressure



1.0 MPa
(10 kgf/cm²)

Valve structure



One-way shut-off

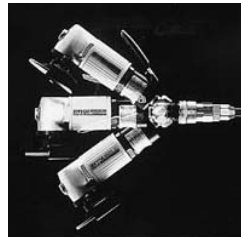
Applicable fluid



Air

Eliminates hose twisting, kinking, or bending! Greatly improves working efficiency!

- A plug with a free twisting neck for hose connections to pneumatic tools and devices.
- Free angle control (max.70° flexible) provides comfortable job positions, even in narrow spaces or with overhead works.
- The flexible part is reinforced with self-lubricating plastics to give smooth bending action and excellent durability.
- Since the flexible part is only in the middle of the plug, connection to the socket is smooth and easy.
- Dust protector over the flexible part prevents dirt and swarf from entering.

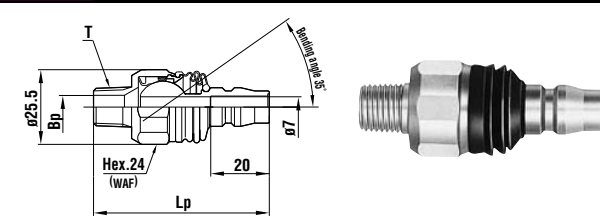


Pneumatic tools

Models and Dimensions

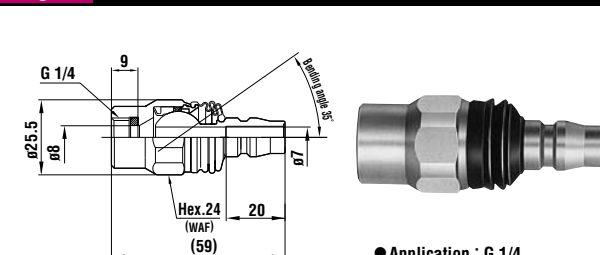
WAF : WAF stands for width across flat.

Plug PM type (Male thread)



Model	Application	Mass (g)	Dimensions (mm)		
			Lp	øBp	T
TS-10PM	Rc 1/8	59	(57.5)	4	R 1/8
TS-20PM	Rc 1/4	59	(60)	8	R 1/4
TS-30PM	Rc 3/8	65	(60)	10	R 3/8

Plug Model TS-20PFF (Female thread)



- Application : G 1/4
 - Mass : 77g
- Dimensions (mm)

Specifications

Body material	Steel (Nickel-plated)			
Size	1/8" • 1/4" • 3/8"			
Working pressure MPa (kgf/cm ²)	1.0 (10)			
Pressure resistance MPa (kgf/cm ²)	1.5 (15)			
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Nitrile rubber	NBR (SG)	-20°C~+60°C	Standard material

Tightening Torque Range

N·m (kgf·cm)

Size	R 1/8	R 1/4	R 3/8
Torque	8~10 (82~102)	12~15 (122~153)	22~25 (224~255)

Flow Direction

Fluid may flow in either direction from plug or from socket side when coupled.



Interchangeability

Can be connected with socket for Hi Cupla Models 20, 30 and 40. Interchangeable with each corresponding Hi Cupla Series models.

Suitability for Vacuum

Not suitable for vacuum application in either connected or disconnected condition.

Min. Cross-Sectional Area

(mm²)

Model	TS-10PM	TS-20PM	TS-30PM	TS-20PFF
Min. cross-sectional area	12.5	38.5	38.5	38.5

Pressure - Flow Characteristics

[Test conditions] • Fluid : Air • Temperature : Room temperature

