

For Air

# Twist Plug

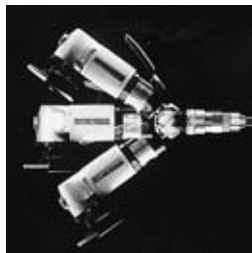
For pneumatic tools and devices

Working pressure



Valveless

Applicable fluid



Pneumatic tools



## 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.

### Specifications

Body material	Steel (Nickel-plated)			
Size	1/8" • 1/4" • 3/8"			
Working pressure MPa (kgf/cm <sup>2</sup> )	1.0 (10)			
Pressure resistance MPa (kgf/cm <sup>2</sup> )	1.5 (15)			
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Nitrile rubber	NBR (SG)	-5°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)

### Interchangeability

Can be connected with plugs of 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.

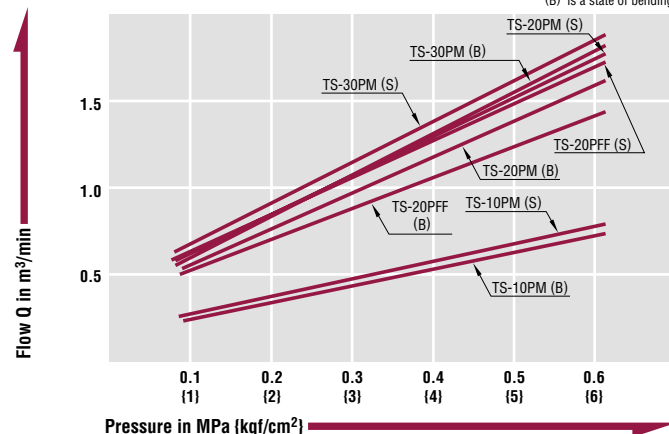
### Min. Cross-Sectional Area (mm<sup>2</sup>)

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

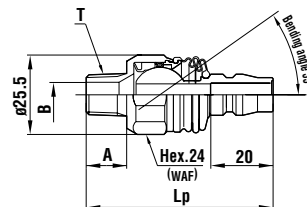
(S) is a state of straight.  
(B) is a state of bending.



### Models and Dimensions

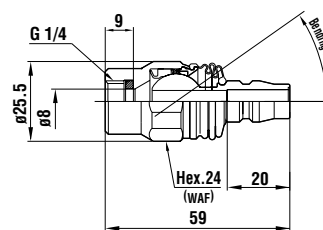
WAF : WAF stands for width across flats.

#### Plug PM type (Male thread)



Model	Application	Mass (g)	Dimensions (mm)			
			Lp	A	øB	T
TS-10PM	Rc 1/8	59	57.5	10	4	R 1/8
TS-20PM	Rc 1/4	59	60	13	8	R 1/4
TS-30PM	Rc 3/8	65	60	13	10	R 3/8

#### Plug Model TS-20PFF type (Female thread)



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