

# For Low Pressure (Air)

## Twist Plug

For pneumatic tools and devices

Working pressure

**1.0**  
1.0 MPa  
(10 kgf/cm<sup>2</sup>)

Valve structure



One-way shut-off

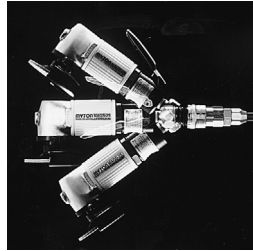
Applicable fluid



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.
- Dust protector over the flexible part prevents dirt and swarf from entering.

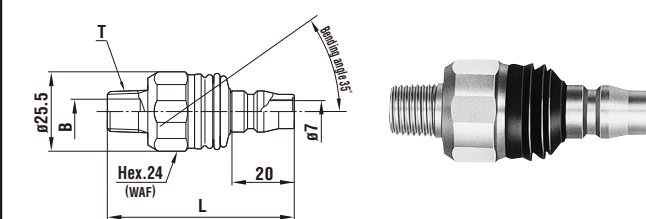


Pneumatic tools

### Models and Dimensions

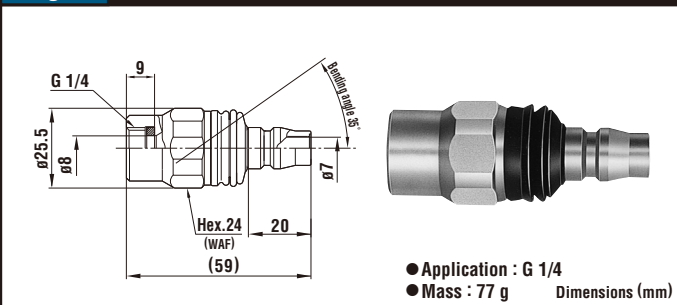
WAF : WAF stands for width across flats.

#### Plug PM type (Male thread)



Model	Application	Mass (g)	Dimensions (mm)		
			L	øB	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 : 77 g
- Dimensions (mm)

### Specifications

Body material	Steel (Plated)			
Size (Thread)	1/8", 1/4", 3/8"			
Working pressure	MPa	1.0		
	kgf/cm <sup>2</sup>	10		
	bar	10		
	PSI	145		
Seal material	Nitrile rubber	Mark	NBR (SG)	Working temperature range
Working temperature range	-20°C to +60°C			
				Remarks
				Standard material

### Max. Tightening Torque

Nm (kgf·cm)

Size (Thread)	1/8"	1/4"	3/8"
Torque	7 {71}	14 {143}	22 {224}

### Flow Direction

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



### Interchangeability

Can be connected with socket for Hi Cupla Models 10, 17, 20, 30 and 40. Interchangeable with each corresponding models of Hi Cupla Series and Nut Cupla Series.

### 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

