

Nut and Sleeve Integrated Type

Technical drawing of a mechanical part with dimensions: B , C , L , H_1 , H_2 , $R(PT)$, and σ .

M Material: Brass

Fig. 1.1

Technical drawing of a mechanical part (Fig. 1.1) showing dimensions and material specification.

Dimensions:

- L_1 : Total height
- L_2 : Base width
- B : Top width
- C : Bottom width
- H : Height of the central section

Feature: $R(PT)$

Material: Brass

M Material: Brass

Technical drawing of a 90° elbow fitting. The drawing shows the side profile of the fitting with dimensions: L (total length), C (center-to-center distance), B (flange thickness), H (flange height), d (port diameter), and b (flange width). The fitting is shown in a 90° bend configuration.

M Material: Brass

Technical drawing of a double-flange coupling. The drawing shows a cross-section of the coupling with dimensions: B (flange width), d (shaft diameter), H1 (coupling body height), H2 (flange height), C (flange thickness), and L (coupling body length). The material is specified as Brass.

M Material: Brass

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Applicable Fluid	Air, Water, Oil
Operating Temperature Range*	Air : -20 ~ 60°C Water: 0 ~ 60°C Oil: -20 ~ 60°C
Max. Operating Pressure	It applies to Maximum Operating Pressure of tubes.
Operating Vacuum Level	-100kPa

* No Freezing

RoHS10

RoHS10

RoHS 10

BoHS10

RoHS10

Metric Thread Type

Metric Thread Type

Metric Thread Type

Technical drawing of a bolt and nut assembly. The bolt is labeled with dimensions B_1 (total length), L (thread length), B_2 (unthreaded length), A_2 (head height), and H_2 (head diameter). The nut is labeled with dimensions A_1 (height) and M_1 (diameter). The assembly is shown with a pressure P applied to the nut.

💡 Turning torque is the torque necessary for the joint to turn when it is free of compressed air pressure.

- Use as handy couplings for connecting tubes to swivel and rotary parts of general pneumatic equipment.
- With ball bearings used at the rotary part, rotary joints offer suitable use for tube connecting to swivel and rotary equipment parts.

Max. Operating Pressure 1MPa
 Operating Vacuum Level -100kPa
 * No Freezing

Part Number		M1	M2	A1	A2	B1	B2	L	P	Width (Acme In)	Width (Acme In)	Allowable Revolutions (min ⁻¹)	Rotary torque (N · m)	Effective Section Area (mm ²)	Mass (g)	Unit Price 1 - 9 pcs/lot	Volume Discount Rate 10-20
Type	No.																
RHTCF	11	R1/8	Rc1/8	8	9.5	47.2	19.2	43.2	16.6	17	14	1200	1.5	13.9	50		
	22	R1/4	Rc1/4	11	13.5	54.2	23.2	48.2	16.6	17	17	1200	1.5	11.2	68		
	33	R3/8	Rc3/8	12	14.5	62.1	26.6	55.8	23.6	24	22	900	2.5	47.2	133		

- Use as handy couplings for connecting tubes to swivel and fast rotary parts of general pneumatic equipment.
- With two ball bearings used at the rotary part, rotary joints offer suitable use for tube connecting to fast-moving swivel and rotary equipment parts.

Diagram Labels:

- Tube End
- Lock Pawl (Stainless Steel)
- Release Ring (POM / Polyacetal)
- Tubes (Polyurethane, etc.)
- O-Ring (NBR)
- Guide Ring (Brass, Electroless Nickel Plating)
- Elastic Sleeve (NBR / Nitrile Rubber)
- Ball Bearing
- Metal Body (Brass, Electroless Nickel Plating)
- Sealock
- Shafts (Stainless Steel)
- O-Ring (FKM / Fluoro Rubber)
- Resin Body (PBT / Polybutylene Terephthalate)

Specifications:

Max. Operating Pressure	1MPa
Operating Vacuum Level	~100kPa

* No Freezing

Specifications	
Applicable Fluid	Air
Operating Temperature Range*	0~60°C
Max. Operating Pressure	1MPa
Operating Vacuum Level	-100kPa

* No Freezing



Part Number	-	Nominal
RTCN4	-	M5
BHTCN6	-	2