

Push-in fitting for swinging and rotation applications

⚠ Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)

R **C** **6** - **01**
(1) (2) (3) (4)

(1) Rotary Joint

(2) Type

(3) Tube dia. (øD)

Code	mm size (mm)					inch size (inch)					
	4	6	8	10	12	5/32	3/16	1/4	5/16	3/8	1/2
Tube O.D.	ø4 (5/32in.)	ø6	ø8	ø10	ø12	ø5/32	ø3/16	ø1/4	ø5/16	ø3/8	ø1/2

(4) Thread size (R)

Code	Metric thread		Taper pipe thread				Unified thread	National pipe thread tapered			
	M5	M6	01	02	03	04	U10U	N1U	N2U	N3U	N4U
Thread size	M5×0.8	M6×1	R1/8	R1/4	R3/8	R1/2	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2

Characteristics

Push-in fitting for swinging and rotation applications.

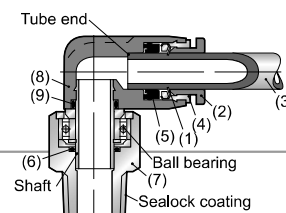
Rotary joint series with bearing incorporated is suitable for swinging and rotating applications.

Specifications

Fluid medium	Air
Max. operating pressure	1.0 MPa
Max. vacuum	-100 kPa
Operating temp. range	0 to 60°C (no freezing)

Sectional drawing

Elbow type: RL



No.	Parts	Material
(1)	Lock claws	Stainless steel
(2)	Release-ring	POM
(3)	Tube	Polyurethane, Soft polyurethane, etc
(4)	Guide ring	Nickel-plated brass
(5)	Elastic sleeve	NBR
(6)	Co-rotating O-ring	FKM
(7)	Metallic body	Chrome-plated brass
(8)	Resin body	PBT
(9)	O-ring	NBR

*The gasket of Metric and UNF thread is SUS304 + NBR.

RoHS2 (2011/65/EU+EU2015/863) compliant

Type	Model code RCøD-R	Allowable rotation (min ⁻¹)	Model code RCøD-RU	Allowable rotation (min ⁻¹)	Type	Model code RLøD-R	Allowable rotation (min ⁻¹)	Model code RLøD-RU	Allowable rotation (min ⁻¹)		
Straight RC  øD R	RC4-M5	500	RC5/32-U10U	500	Elbow RL  øD R	RL4-M5	500	RL5/32-U10U	500		
	RC4-M6		RC5/32-N1U			RL4-M6		RL5/32-N1U			
	RC4-01		RC3/16-N1U	RL4-01		RL3/16-N1U		500			
	RC6-M5	RC3/16-N2U	RL6-M5	RL3/16-N2U		500					
	RC6-M6	RC1/4-N1U	RL6-M6	RL1/4-N1U			500				
	RC6-01	RC1/4-N2U	RL6-01	RL1/4-N2U							
	RC6-02	RC5/16-N1U	RL6-02	RL5/16-N1U			400				
	RC8-01	RC5/16-N2U	RL8-01	RL5/16-N2U		400					
	RC8-02	RC5/16-N3U	RL8-02	RL5/16-N3U							
	RC8-03	RC3/8-N3U	RL8-03	RL3/8-N3U		300					
	RC10-01	RC3/8-N4U	RL10-01	RL3/8-N4U							
	RC10-02	RC1/2-N3U	RL10-02	RL1/2-N3U		250					
	RC10-03	RC1/2-N4U	RL10-03	RL1/2-N4U							
	RC10-04					RL10-04					
	RC12-02	250					RL12-02	250			
	RC12-03		RL12-03								
	RC12-04		RL12-04								
	RC1/4-01	500					RL1/4-01	500			
	RC1/4-02		RL1/4-02								
	RC5/16-01	400					RL5/16-01	400			
	RC5/16-02		RL5/16-02								
	RC5/16-03		RL5/16-03								
	RC3/8-03	300					RL3/8-03	300			
	RC3/8-04		RL3/8-04								

i Notes

*Release-ring color for inch size is white.



CAD

CAD data is available at PISCO website.

Package

Packaging specifications
1 pc. /bag