

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 (1) **C** (2) **6** (3) - **01** (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.

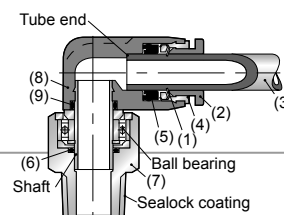
Rotary joint series with bearing incorporated is suitable for swinging and rotating applications.

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 	RC4-M5	500	RC5/32-U10U	500	Elbow RL 	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	
	RC6-M5	500	RC3/16-N2U	500		RL6-M5	500	RL3/16-N2U	500
	RC6-M6		RC1/4-N1U			RL6-M6		RL1/4-N1U	
	RC6-01		RC1/4-N2U			RL6-01		RL1/4-N2U	
	RC6-02	400	RC5/16-N1U	400		RL6-02	400	RL5/16-N1U	400
	RC8-01		RC5/16-N2U			RL8-01		RL5/16-N2U	
	RC8-02		RC5/16-N3U			RL8-02		RL5/16-N3U	
	RC8-03	300	RC3/8-N3U	300		RL8-03	300	RL3/8-N3U	300
	RC10-01		RC3/8-N4U			RL10-01		RL3/8-N4U	
	RC10-02		RC1/2-N3U			RL10-02		RL1/2-N3U	
	RC10-03	250	RC1/2-N4U	250		RL10-03	250	RL1/2-N4U	250
	RC10-04					RL10-04			
	RC12-02		500					500	
	RC12-03			RL12-03					
	RC12-04			RL12-04					
	RC1/4-01	400		400		RL1/4-01	400		400
RC1/4-02			RL1/4-02						
RC5/16-01	300				300	RL5/16-01		300	
RC5/16-02			RL5/16-02						
RC5/16-03			RL5/16-03						
RC3/8-03	300		300	RL3/8-03	300		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