

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)



### (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.

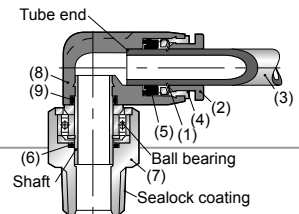
Rotary joint series with bearing incorporated is suitable for swinging and rotating applications.

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



### Notes

\*Release-ring color for inch size is white.



CAD data is available at PISCO website.



Packaging specifications  
1 pc. /bag