

# Rotary Joint Series

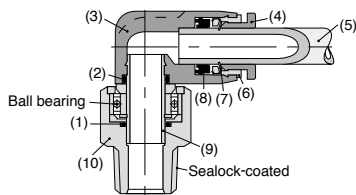
## Characteristics

- These piping joints are used for swiveling and swinging connections.
- The joints incorporating a bearing, are suited for fast swiveling and swinging connections.

## Specifications

Fluid medium	Air
Max. operating pressure	150psi (1MPa)
Max. vacuum	-29.5in. Hg (-100kPa)
Operating temp. range	32 ~ 140°F (0 ~ 60°C)

## Construction



No	Parts	Material
(1)	O-ring	fluoric rubber
(2)	O-ring	NBR
(3)	Resin body	PBT
(4)	Release ring	POM
(5)	Tube	urethane or nylon
(6)	Guide ring	nickel-plated brass
(7)	Lock claws	stainless steel
(8)	Elastic sleeve	NBR
(9)	Shaft	stainless steel
(10)	Metallic body	chromium-plated brass

\* The gasket of M or UNF thread is made of SUS304 + NBR.

## Allowable No. of revolutions of Rotary Joint

Tube dia.	ø4mm	ø6mm, ø1/4in.	ø8mm, ø5/16in.	ø10mm, ø3/8in.	ø12mm
r.p.m	500	500	400	300	250

## Model Designation (Example)



- (1) Type  
(2) Tube dia. (øD)

Code	mm size				
	4	6	8	10	12
Dia.	ø4	ø6	ø8	ø10	ø12
Code	inch size				
	5/32	3/16	1/4	5/16	3/8
Dia.	ø5/32	ø3/16	ø1/4	ø5/16	ø3/8

- (3) Thread size (T)

Code	Metric thread		Taper pipe thread			
	M5	M6	O1	O2	O3	O4
Size	M5x0.8	M6x1	R1/8	R1/4	R3/8	R1/2
Code	American standard taper pipe thread					
	U10	N1	N2	N3	N4	
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2	

- (4) Wrench size specification

U: inch spec. (NPT, UNF)  
No code: mm spec. (M, R)

▶ In case of ordering, please apply Model code in the following chart.



The products listed in this page are ECO-friendly products.  
\* Please refer to page 4 for the details of ECO-friendly products.

RC Straight øD	Model		RL Elbow øD	Model	
	RCøD-T	RCøD-TU		RLøD-T	RLøD-TU
	RC4-M5	RC <sup>5</sup> / <sub>32</sub> -U10U		RL4-M5	RL <sup>5</sup> / <sub>32</sub> -U10U
	RC4-M6	RC <sup>5</sup> / <sub>32</sub> -N1U		RL4-M6	RL <sup>5</sup> / <sub>32</sub> -N1U
	RC4-01	RC <sup>3</sup> / <sub>16</sub> -N1U		RL4-01	RL <sup>3</sup> / <sub>16</sub> -N1U
	RC6-M5	RC <sup>3</sup> / <sub>16</sub> -N2U		RL6-M5	RL <sup>3</sup> / <sub>16</sub> -N2U
	RC6-M6	RC <sup>1</sup> / <sub>4</sub> -N1U		RL6-M6	RL <sup>1</sup> / <sub>4</sub> -N1U
	RC6-01	RC <sup>1</sup> / <sub>4</sub> -N2U		RL6-01	RL <sup>1</sup> / <sub>4</sub> -N2U
	RC6-02	RC <sup>5</sup> / <sub>16</sub> -N1U		RL6-02	RL <sup>5</sup> / <sub>16</sub> -N1U
	RC8-01	RC <sup>5</sup> / <sub>16</sub> -N2U		RL8-01	RL <sup>5</sup> / <sub>16</sub> -N2U
	RC8-02	RC <sup>5</sup> / <sub>16</sub> -N3U		RL8-02	RL <sup>5</sup> / <sub>16</sub> -N3U
	RC8-03	RC <sup>3</sup> / <sub>8</sub> -N3U		RL8-03	RL <sup>3</sup> / <sub>8</sub> -N3U
	RC10-01	RC <sup>3</sup> / <sub>8</sub> -N4U		RL10-01	RL <sup>3</sup> / <sub>8</sub> -N4U
	RC10-02	RC <sup>1</sup> / <sub>2</sub> -N3U		RL10-02	RL <sup>1</sup> / <sub>2</sub> -N3U
	RC10-03	RC <sup>1</sup> / <sub>2</sub> -N4U		RL10-03	RL <sup>1</sup> / <sub>2</sub> -N4U
	RC10-04			RL10-04	
	RC12-02			RL12-02	
	RC12-03			RL12-03	
	RC12-04			RL12-04	
	RC <sup>1</sup> / <sub>4</sub> -01			RL <sup>1</sup> / <sub>4</sub> -01	
	RC <sup>1</sup> / <sub>4</sub> -02			RL <sup>1</sup> / <sub>4</sub> -02	
	RC <sup>5</sup> / <sub>16</sub> -01			RL <sup>5</sup> / <sub>16</sub> -01	
RC <sup>5</sup> / <sub>16</sub> -02		RL <sup>5</sup> / <sub>16</sub> -02			
RC <sup>5</sup> / <sub>16</sub> -03		RL <sup>5</sup> / <sub>16</sub> -03			
RC <sup>3</sup> / <sub>8</sub> -03		RL <sup>3</sup> / <sub>8</sub> -03			
RC <sup>3</sup> / <sub>8</sub> -04		RL <sup>3</sup> / <sub>8</sub> -04			



### Caution

\* The model with low sales average may be build to order production. For details, please contact Pisco sales office or sales representative.



### Package specification

1 pc. in a bag

## Detailed Safety Instructions

Before using the PISCO device, be sure to read the "Safety Instructions", "Common Safety Instructions for Products Listed in This Manual" on page 13 to 15 and "Common Safety Instructions for Quick-Fitting Joint" on page 18 to 19.

- ⚠Cautions :
1. Employ usage in which the radial load becomes a minimum. Radial load can shorten the life of your Rotary Joint.
  2. Use a polyurethane tube where violent swinging is involved. Nylon tube or other hard tubes may increase radial load.