

# High Rotary Joint Series

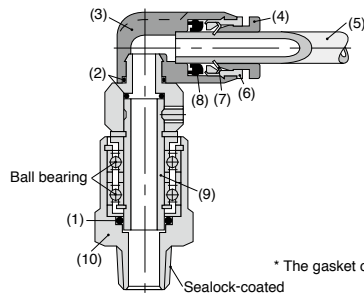
## Characteristics

- The High Rotary Joint, employing two bearings, is suitable for high-speed swiveling and swinging connections where the Rotary Joint cannot cover.

## 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	nickel-plated brass

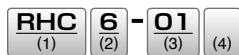
\* The gasket of M or UNF thread is made of SUS304 + NBR.

## Allowable No. of revolutions of Rotary Joint

RHC, RHL type	Tube dia.	ø4mm	ø6mm, ø1/4in.	ø8mm, ø5/16in.	ø10mm, ø3/8in.	ø12mm
r.p.m	1,500	1,200	1,200	900	900	

RHF, RHS type	Thread size (T)	01	02	03	04
r.p.m		1,200	1,200	900	900

## Model Designation (Example)



- (1) Type  
 (2) Tube dia. (øD) or thread size (T)

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	1/2
Dia.	ø5/32	ø3/16	ø1/4	ø5/16	ø3/8	ø1/2

\* In case (2) is thread size, please choose from (3).

### (3) Thread size (T)

Code	Metric thread		Taper pipe thread			
	M5	M6	01	02	03	04
Size	M5×0.8	M6×1	R1/8	R1/4	R3/8	R1/2

Code	Unified fine thread		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.

## 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 :
- High Rotary Joint can accommodate a certain degree of radial load, but radial load may shorten its life. Therefore consult PISCO about applications involving much radial load.
  - Use a polyurethane tube where violent swinging is involved. Nylon tube or other hard tubes may increase radial load.



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



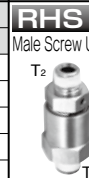
Model	RHC Model	
	RHCøD-T	RHCøD-TU
RHC4-M5	RHC <sup>5</sup> / <sub>32</sub> -U10U	
RHC4-M6	RHC <sup>3</sup> / <sub>16</sub> -N1U	
RHC4-01	RHC <sup>3</sup> / <sub>16</sub> -N1U	
RHC6-01	RHC <sup>3</sup> / <sub>16</sub> -N2U	
RHC6-02	RHC <sup>1</sup> / <sub>4</sub> -N1U	
RHC8-01	RHC <sup>1</sup> / <sub>4</sub> -N2U	
RHC8-02	RHC <sup>5</sup> / <sub>16</sub> -N1U	
RHC10-03	RHC <sup>3</sup> / <sub>16</sub> -N2U	
RHC10-04	RHC <sup>3</sup> / <sub>8</sub> -N3U	
RHC12-03	RHC <sup>3</sup> / <sub>8</sub> -N4U	
RHC12-04	RHC <sup>1</sup> / <sub>2</sub> -N3U	
RHC <sup>1</sup> / <sub>4</sub> -01	RHC <sup>1</sup> / <sub>2</sub> -N4U	
RHC <sup>1</sup> / <sub>4</sub> -02		
RHC <sup>5</sup> / <sub>16</sub> -01		
RHC <sup>5</sup> / <sub>16</sub> -02		
RHC <sup>3</sup> / <sub>8</sub> -03		
RHC <sup>3</sup> / <sub>8</sub> -04		



Model	RHL Model	
	RHLøD-T	RHLøD-TU
RHL4-M5	RHL <sup>5</sup> / <sub>32</sub> -U10U	
RHL4-M6	RHL <sup>3</sup> / <sub>16</sub> -N1U	
RHL4-01	RHL <sup>3</sup> / <sub>16</sub> -N1U	
RHL6-01	RHL <sup>3</sup> / <sub>16</sub> -N2U	
RHL6-02	RHL <sup>1</sup> / <sub>4</sub> -N1U	
RHL8-01	RHL <sup>1</sup> / <sub>4</sub> -N2U	
RHL8-02	RHL <sup>5</sup> / <sub>16</sub> -N1U	
RHL10-03	RHL <sup>3</sup> / <sub>16</sub> -N2U	
RHL10-04	RHL <sup>3</sup> / <sub>8</sub> -N3U	
RHL12-03	RHL <sup>3</sup> / <sub>8</sub> -N4U	
RHL12-04	RHL <sup>1</sup> / <sub>2</sub> -N3U	
RHL <sup>1</sup> / <sub>4</sub> -01	RHL <sup>1</sup> / <sub>2</sub> -N4U	
RHL <sup>1</sup> / <sub>4</sub> -02		
RHL <sup>5</sup> / <sub>16</sub> -01		
RHL <sup>5</sup> / <sub>16</sub> -02		
RHL <sup>3</sup> / <sub>8</sub> -03		
RHL <sup>3</sup> / <sub>8</sub> -04		



Model	RHF Model	
	RHC T-T <sub>1</sub>	RHC T-T <sub>1</sub> U
RHF01-01	RHFN1-N1U	
RHF01-02	RHFN1-N2U	
RHF02-01	RHFN2-N1U	
RHF02-02	RHFN2-N2U	
RHF03-03	RHFN3-N3U	
RHF03-04	RHFN3-N4U	
RHF04-03	RHFN4-N3U	
RHF04-04	RHFN4-N4U	



Model	RHS Model	
	RHS T <sub>1</sub> -T <sub>2</sub>	RHS T <sub>1</sub> -T <sub>2</sub> U
RHS01-01	RHSN1-N1U	
RHS01-02	RHSN1-N2U	
RHS02-01	RHSN2-N1U	
RHS02-02	RHSN2-N2U	
RHS03-03	RHSN3-N3U	
RHS03-04	RHSN3-N4U	
RHS04-03	RHSN4-N3U	
RHS04-04	RHSN4-N4U	



**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

Fitting Control Valve Vacuum Actuator Tube Parailchain Robot Parts