

High Rotary Joint

Push-in fitting for Ultra High Speed Swiveling application

⚠ 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)

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

(1) High Rotary Joint

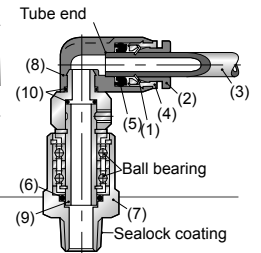
(2) Type

(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, Rc, R1, R2)

Code	Metric thread		Taper pipe thread				UNF 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



Sectional drawing

Elbow type: RHL

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	Nickel-plated brass
(8)	Resin body	PBT
(9)	Shaft	Stainless steel
(10)	O-ring	NBR

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

Characteristics





Push-in fitting for high speed swinging and rotation applications.

High rotary joint series with two bearings incorporated is suitable for high-speed swinging and rotating applications where the Rotary joint series can not cover.

Specifications

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

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

Type	Model code RHCøD-R	Allowable rotation (min ⁻¹)	Model code RHCøD-RU	Allowable rotation (min ⁻¹)	Type	Model code RHLøD-R	Allowable rotation (min ⁻¹)	Model code RHLøD-RU	Allowable rotation (min ⁻¹)
Straight RHC 	RHC4-M5	1,500	RHC5/32-U10U	1,500	Elbow RHL 	RHL4-M5	1,500	RHL5/32-U10U	1,500
	RHC4-M6		RHC5/32-N1U			RHL4-M6		RHL5/32-N1U	
	RHC4-01		RHC3/16-N1U			RHL4-01		RHL3/16-N1U	
	RHC6-01		RHC3/16-N2U			RHL6-01		RHL3/16-N2U	
	RHC6-02	RHC1/4-N1U	RHL6-02	RHL1/4-N1U					
	RHC8-01	RHC1/4-N2U	RHL8-01	RHL1/4-N2U					
	RHC8-02	RHC5/16-N1U	RHL8-02	RHL5/16-N1U					
	RHC10-03	RHC5/16-N2U	RHL10-03	RHL5/16-N2U					
	RHC10-04	RHC3/8-N3U	RHL10-04	RHL3/8-N3U					
	RHC12-03	RHC3/8-N4U	RHL12-03	RHL3/8-N4U					
	RHC12-04	RHC1/2-N3U	RHL12-04	RHL1/2-N3U					
	RHC1/4-01	RHC1/2-N4U	RHL1/4-01	RHL1/2-N4U					
	RHC1/4-02		RHL1/4-02						
	RHC5/16-01		RHL5/16-01						
	RHC5/16-02		RHL5/16-02						
	RHC3/8-03		RHL3/8-03						
RHC3/8-04		RHL3/8-04							
Type	Model code RHF R-Rc	Allowable rotation (min ⁻¹)	Model code RHF R-RcU	Allowable rotation (min ⁻¹)	Type	Model code RHS R1-R2	Allowable rotation (min ⁻¹)	Model code RHS R1-R2U	Allowable rotation (min ⁻¹)
Bush RHF 	RHF01-01	1,200	RHFN1-N1U	1,200	Union Stem RHS 	RHS01-01	1,200	RHSN1-N1U	1,200
	RHF01-02		RHFN1-N2U			RHS01-02		RHSN1-N2U	
	RHF02-01	1,200	RHFN2-N1U	1,200		RHS02-01	1,200	RHSN2-N1U	1,200
	RHF02-02		RHFN2-N2U			RHS02-02		RHSN2-N2U	
	RHF03-03	900	RHFN3-N3U	900		RHS03-03	900	RHSN3-N3U	900
	RHF03-04		RHFN3-N4U			RHS03-04		RHSN3-N4U	
	RHF04-03	900	RHFN4-N3U	900		RHS04-03	900	RHSN4-N3U	900
	RHF04-04		RHFN4-N4U			RHS04-04		RHSN4-N4U	

i Notes
 *Release-ring color for inch size is white.



CAD CAD data is available at PISCO website.

Package Packaging specifications
 1 pc. /bag