

Pearl Rotary Joints

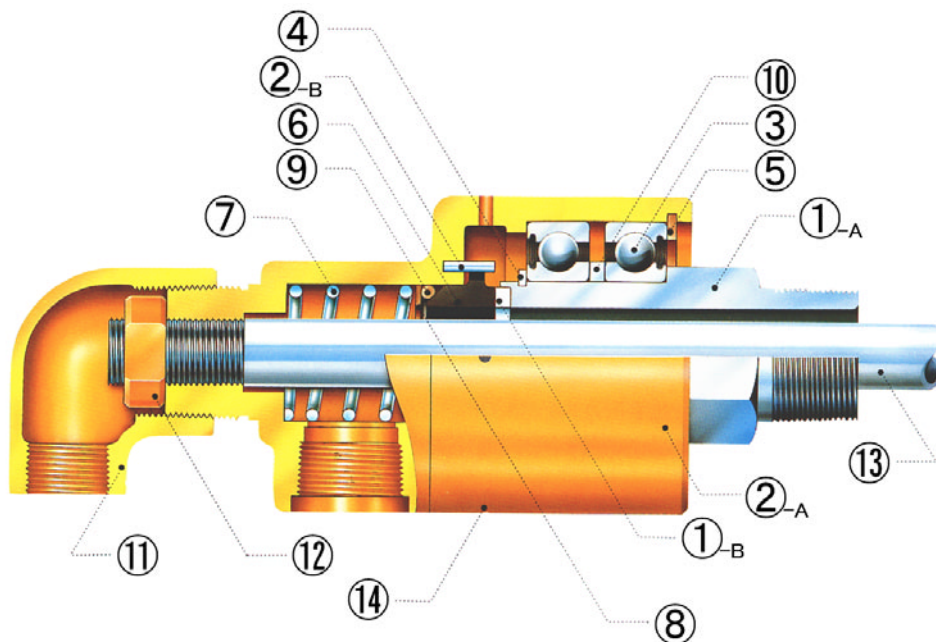
RX Series

FEATURES

1. RX series joints offer long trouble-free and leakproof operation with ease of maintenance due to employing ceramic seal and brass casing.
2. To secure the reliable sealing, the carbon and ceramic seal faces are lapped to an optical flatness.
3. 4 vented holes in casing enable to detect leakage before fluid corrodes the ball bearings.

RXE type Suited for cooling service, Lubrication free due to pre-greased ball bearings

CONSTRUCTION



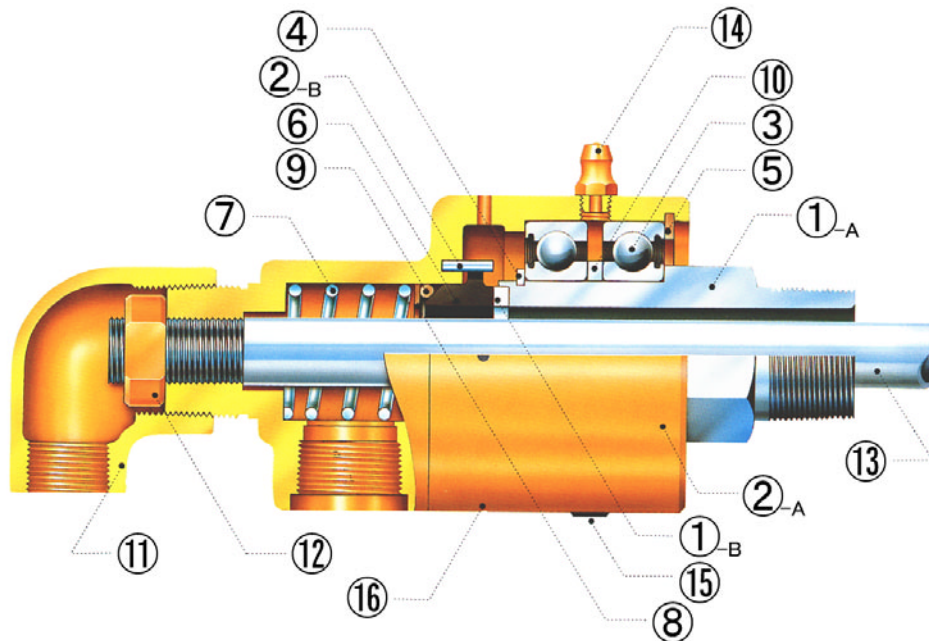
①-A. ROTOR (CARBON STEEL) ①-B. CERAMIC SEAL RING ②-A. CASING (BRASS) ②-B. PIN ③ BALL BEARINGS ④ SNAP RING ⑤ SNAP RING ⑥ CARBON SEAL ⑦ SPRING (S. STEEL) ⑧ WASHER ⑨ O-RING ⑩ SPACER ⑪ ELBOW ⑫ NUT ⑬ INTERNAL PIPE ⑭ VENT HOLES

SERVICE CONDITIONS

Fluid	Water, Oil, Air, Gas
Max. Temperature	100 degrees C
Max. Pressure	[Vacuum: Up to 13KPa abs (10 Torr) for each size] 10A to 25A 2.25MPa 32A to 40A 1.67MPa 50A to 80A 1.18MPa
	Air or gas: for each size Max. 1.0MPa
Max. Rotation Speed	10A to 25A 3500min ⁻¹ 32A to 40A 2000min ⁻¹ 50A to 80A 750min ⁻¹

RXH type Available for high temperature and high speed operation due to employing high grade seal materials and providing grease nipple for lubrication

CONSTRUCTION



- ①-A. ROTOR (CARBON STEEL) ①-B. CERAMIC SEAL RING ②-A. CASING (BRASS) ②-B. PIN ③. BALL BEARINGS ④. SNAP RING ⑤. SNAP RING ⑥. CARBON SEAL ⑦. SPRING (S. STEEL) ⑧. WASHER ⑨. O-RING ⑩. SPACER ⑪. ELBOW ⑫. NUT ⑬. INTERNAL PIPE ⑭. GREASE NIPPLE ⑮. PLUG ⑯. VENT HOLES

SERVICE CONDITIONS

Fluid	Water, Steam, Therm Oil
Max. Temperature	150 degrees C
Max. Pressure	[Vacuum: Up to 13KPa abs (10 Torr) for each size] 10A to 25A 2.25MPa 32A to 40A 1.67MPa 50A to 80A 1.18MPa
Max. Rotation Speed	10A to 25A 3500min ⁻¹ 32A to 40A 2000min ⁻¹ 50A to 80A 750min ⁻¹

ORDERING INFORMATION (CODE NUMBERING SYSTEM)

TYPE	SIMPLEX or DUPLEX MOUNTING CODE	MOUNTING SPECIFICATION	SIZE CODE	THREAD DIRECTION
RXE or RXH	1: Simplex, Thread 2: Simplex, Flange 3: Duplex, SIP, Thread 4: Duplex, SIP, Flange 5: Duplex, RIP, Thread 6: Duplex, RIP, Flange	(for thread) 0: JIS Taper 1: JIS Parallel 2: ISO Metric 3: Metric w/Pilot 6: NPT 7: UNF (for flange) 0: Split Ring 1: Welded Flange (Standard)	(A) : (B) 10 : (3/8) 15 : (1/2) 20 : (3/4) 25 : (1) 32 : (11/4) 40 : (11/2) 50 : (2) 65 : (21/2) 80 : (3)	RH or LH

SIP:Stationary Internal Pipe
RIP:Rotational Internal Pipe

Sizes of internal pipes for the RX Series duplex type

Joint	Nominal size	15A : (1/2B)	20A : (3/4B)	25A : (1B)	32A : (11/4B)	40A : (11/2B)	50A : (2B)	65A : (21/2B)	80A : (3B)
Internal pipe	Nominal size	6A : (1/8B)	8A : (1/4B)	10A : (3/8B)	15A : (1/2B)	20A : (3/4B)	25A : (1B)	32A : (11/4B)	40A : (11/2B)

The internal pipe uses the right-hand G-type screw only. Secure it with the supplied lock nut.

MAINTENANCE AND LUBRICATION

The RXE type uses a sealed ball bearing and lubrication is not required.
No maintenance work is required except for periodic checking for leakage caused due to wear of the rotary joint.

The Pearl Rotary Joint RXH Type requires lubrication with high-performance grease on the bearing areas. When operating at high temperatures, use heat-resistant grease and be sure to check/refill grease as needed. When adding grease, remove the plug, top off the grease and refit the plug. The table to the right provides an approximate guide for greasing. Determine appropriate greasing intervals depending on the operating temperature, RPMs and operating time.

Greasing frequency	
0°C~60°C	Once every 6 months
60°C~120°C	Once every 3 months
120°C~150°C	Once a month

NOTE

Operation at Max. pressure combined with Max. speed should be avoided.
When high speed operation, parallel threads or flange connection should be recommended for mounting.
The joint should not run dry (without liquid). When air service, mix oil mist into the air to avoid dry operation.
A ceramic without a rotor is not sold.

Special Parts and Symbol Codes

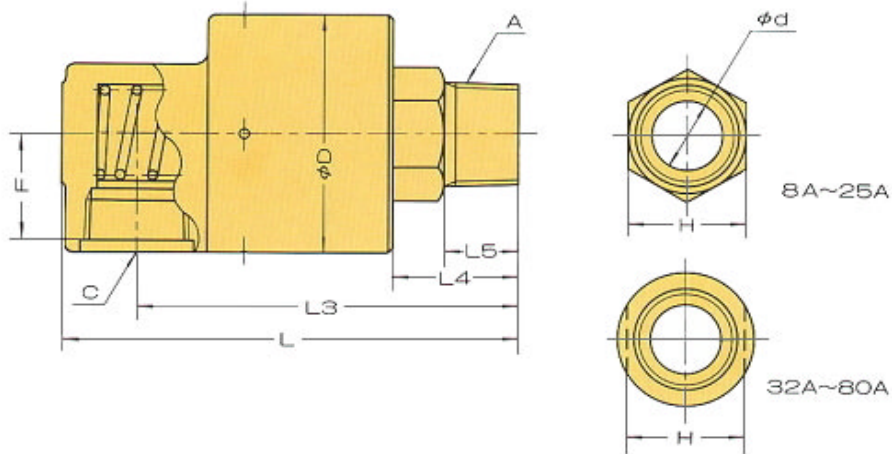
A wide variety of special parts are available to meet your diversified demands.
Please refer to the following table for the description of symbol codes and contact us for our proposal to best fit your needs.

	Difference from standard product of the same family	Symbol Code	Example of Product
1	RXE/RXH type product using a seal ring with an outer ring	C	RJ-RXE 2140C
2	RXE/RXH type product using a special elbow (different dimensions from "E" shown in the brochure)	E	
3	RXH type product requiring lubrication (i.e. using the dedicated casing and LB bearing)	G	
4	RXE/RXH type product using a carbide seat ring (silver-alloy brazing) for the rotor	H	
5	RXE/RXH type product having a number beginning "5****" or "61**" using a rotor with keyway	K	RJ-RXH 5025K RH
6	RXE/RXH type product having a number beginning "1****" or "21**" using a casing with a screw hole "Rc" for fitting a temperature gauge	T	
7	RXE/RXH type product using a reinforced spring	P	
8	RXE type product using a fluororubber O-ring	V	RJ-RXE 4125V
9	RXE/RXH type product using a fluororubber O-ring and PTFE coating	N	
10	RXH type product using an NBR O-ring	Q	
11	RXE/RXH type product using an O-ring made of materials other than those listed in 8, 9, and 10 above	Z	
12	RXE/RXH type product having a number beginning "1****" or "21**" using a casing and spring catch made of SUS304 (In the case of RXH, the oil drain plug is also made of SUS304.)	S	

Specifications with up to two special parts will be indicated by adding the symbol codes noted above to the model number.
Symbol codes are represented in alphabetical order. (E.g., RJ-RXE 2125CG)
Specifications with three or more special parts will be regarded as a special product and listed under a model number beginning with "RXS".

DIMENSIONS

RXE 1000, RXH 1000 Simplex, Thread Connection



SIZE	CODE	A	C	F	D	L	L3	L4	L5	d	H
8	1008	R1/4	Rc1/4	18	39	81	70	22	14	6	17
	1010	R3/8	Rc3/8	21	46	90	77	23	14	9	19
10	1110	G3/8	Rc3/8	21	46	93	80	26	15	9	22
	1210	M16x1.5	Rc3/8	21	46	93	80	26	15	9	22
	1610	NPT3/8	NPT3/8	21	46	90	77	23	14	9	19
	1710	5/8-18UNF	NPT3/8	21	46	93	80	26	15	9	22
	1015	R1/2	Rc1/2	24	53	108	91	28	18	12.5	22
15	1115	G1/2	Rc1/2	24	53	110	93	30	18	12.5	27
	1215	M22x1.5	Rc1/2	24	53	110	93	30	18	12.5	27
	1615	NPT1/2	NPT1/2	24	53	108	91	28	18	12.5	22
	1715	3/4-16UNF	NPT1/2	24	53	110	93	30	18	12.5	27
	1020	R3/4	Rc3/4	29	65	120	101	32	19	18	32
20	1120	G3/4	Rc3/4	29	65	120	101	32	17	18	32
	1220	M26x1.5	Rc3/4	29	65	120	101	32	17	18	32
	1620	NPT3/4	NPT3/4	29	65	120	101	32	19	18	32
	1720	1-14UNS	NPT3/4	29	65	120	101	32	17	18	32
	1025	R1	Rc1	31	72	135	112	37	22	22	36
25	1125	G1	Rc1	31	72	131	108	33	18	22	36
	1225	M35x1.5	Rc1	31	72	132	109	34	16	22	41
	1625	NPT1	NPT1	31	72	135	112	37	22	22	36
	1725	1 1/2-12UNF	NPT1	31	72	139	116	41	23	22	41
	1032	R1 1/4	Rc1 1/4	41	83	161	134	45	25	30	41
32	1132	G1 1/4	Rc1 1/4	41	83	162	135	46	25	30	41
	1232	M42x1.5	Rc1 1/4	41	83	162	135	46	25	30	41
	1632	NPT1 1/4	NPT1 1/4	41	83	161	134	45	25	30	41
	1732	1 3/4-12UN	NPT1 1/4	41	83	162	135	46	25	30	41
	1040	R1 1/2	Rc1 1/2	44	89	171	141	47	25	35	46
40	1140	G1 1/2	Rc1 1/2	44	89	172	142	48	25	35	46
	1240	M50x1.5	Rc1 1/2	44	89	172	142	48	25	35	46
	1640	NPT1 1/2	NPT1 1/2	44	89	171	141	47	25	35	46
	1740	2-12UN	NPT1 1/2	44	89	172	142	48	25	35	46
	1050	R2	Rc2	57	115	206	168	56	30	48	60
50	1650	NPT2	NPT2	57	115	206	168	56	30	48	60
	1065	R2 1/2	Rc2 1/2	73	123	257	210	75	40	58	65
65	1665	NPT2 1/2	NPT2 1/2	73	123	257	210	75	40	58	65
	1080	R3	Rc3	80	138	279	224	75	40	68	75
80	1680	NPT3	NPT3	80	138	279	224	75	40	68	75

A rotor with a parallel screw is supplied with the copper plate gasket.

Contact us or representatives when a port for temperature or pressure sensor is required.

Model code "1008" is only available with type "RXE", not type "RXH".

RXC & RXM are the same as RXE & RXH respectively but Casing and Elbow (connection for hose) threads are NPT.

RXC: Suitable for cooling service. Lubrication free due to pre-greased ball bearings

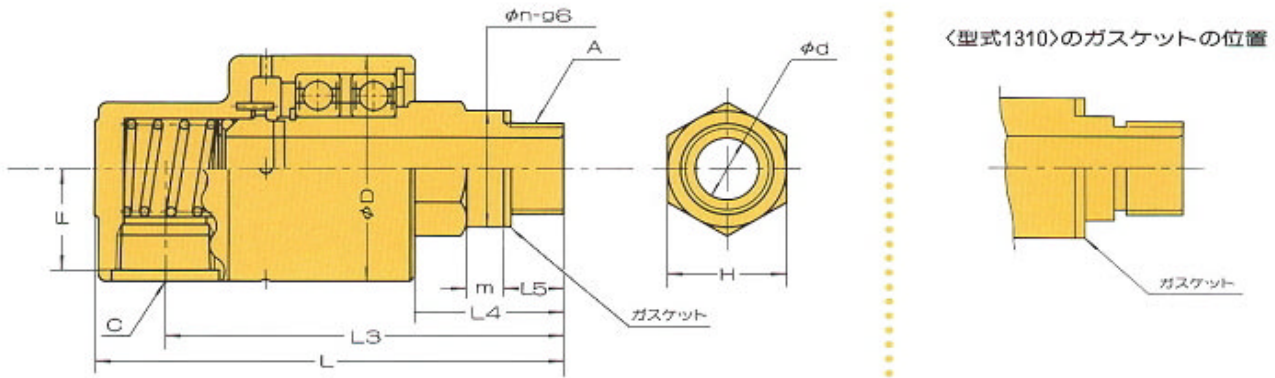
RXM: Available for high temperature and high speed operation with high grade seal materials and providing grease nipple for lubrication

Code No.16**&17** are not available for RXC & RXM.

Code No.1008 is not available for RXC & RXM.

DIMENSIONS

RXE 1300,RXH 1300 Simplex, ISO Metric Thread With Pilot

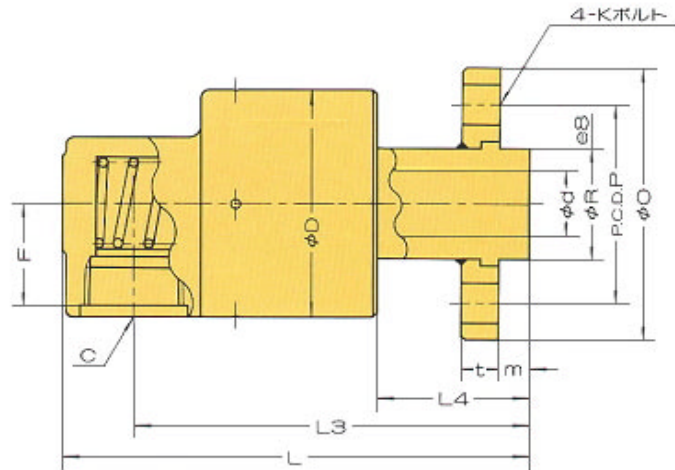


SIZE	CODE	A	C	F	D	L	L3	L4	L5	m	n	d	H
10	1310	M16x1.5	Rc3/8	21	46	98	85	31	13	7	18	9	22
15	1315	M22x1.5	Rc1/2	24	53	117	100	37	14	10	28	12.5	30
20	1320	M25x1.5	Rc3/4	29	65	129	110	41	16	10	30	16	32
25	1325	M33x1.5	Rc1	31	72	144	121	46	18	10	40	22	41

A rotor with a parallel screw is supplied with the copper plate gasket.

Contact us or representatives when a port for temperature or pressure sensor is required.

RXE 2100,RXH 2100 Simplex, Flange Connection



SIZE	CODE	C	d	FLANGE DIMENSIONS						F	D	L	L3	L4
				R	O	P	m	t	K					
15	2115	Rc1/2	12.5	25	62	45	8	10	M8	24	53	118	101	38
20	2120	Rc3/4	18	30	74	54	8	12	M10	29	65	133	114	45
25	2125	Rc1	22	35	80	60	9	12	M10	31	72	146	123	48
32	2132	Rc1 1/4	30	50	96	75	9	14	M10	41	83	166	139	50
40	2140	Rc1 1/2	35	50	96	75	9	14	M10	44	89	174	144	50
50	2150	Rc2	48	65	120	95	10	14	M12	57	115	210	172	60
65	2165	Rc2 1/2	58	80	136	110	12	16	M12	73	123	242	195	60
80	2180	Rc3	68	90	154	125	15	20	M12	80	138	269	214	65

The flange connection type is supplied with a copper gasket (to be attached on the shaft end), along with a stud bolt, nut and washer set.

When you place an order for the flange connection type, it is not necessary to specify the direction of the thread.

Contact us or representatives when a port for temperature or pressure sensor is required.

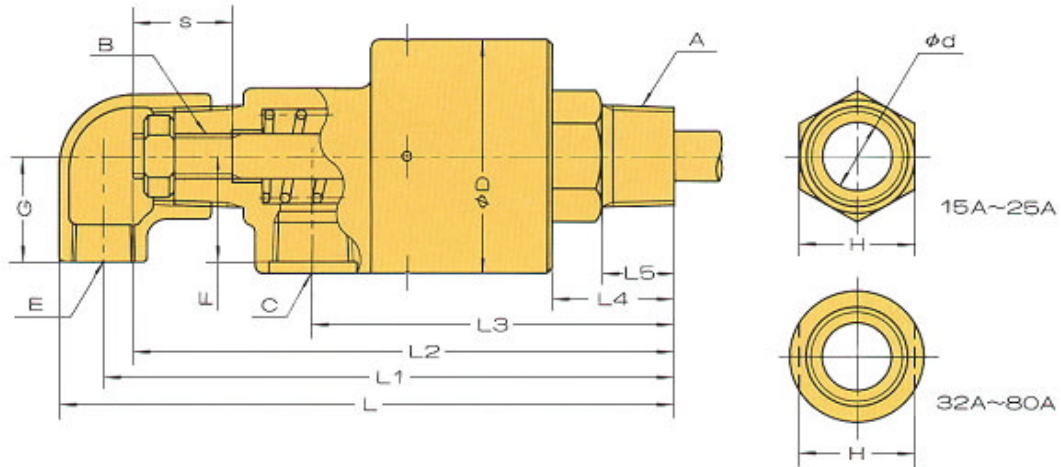
RXC & RXM are the same as RXE & RXH respectively but Casing and Elbow (connection for hose) threads are NPT.

RXC: Suitable for cooling service. Lubrication free due to pre-greased ball bearings

RXM: Available for high temperature and high speed operation with high grade seal materials and providing grease nipple for lubrication

DIMENSIONS

RXE 3000,RXH 3000 Duplex, Stationary Internal Pipe: Thread Connection



SIZE	CODE	A	B	C	E	F	G	D	L	L1	L2	L3	L4	L5	d	H	s
15	3015	R1/2	G1/8	Rc1/2	Rc3/8	24	25	53	153	141	133	91	28	18	12.5	22	22
	3115	G1/2	G1/8	Rc1/2	Rc3/8	24	25	53	155	143	135	93	30	18	12.5	27	22
	3215	M22x1.5	G1/8	Rc1/2	Rc3/8	24	25	53	155	143	135	93	30	18	12.5	27	22
	3615	NPT1/2	G1/8	NPT1/2	NPT3/8	24	25	53	153	141	133	91	28	18	12.5	22	22
	3715	3/4-16UNF	G1/8	NPT1/2	NPT3/8	24	25	53	155	143	135	93	30	18	12.5	27	22
20	3020	R3/4	G1/4	Rc1/2	Rc3/8	29	28	65	165	153	144	98	32	19	18	32	23
	3120	G3/4	G1/4	Rc1/2	Rc3/8	29	28	65	165	153	144	98	32	17	18	32	23
	3220	M26x1.5	G1/4	Rc1/2	Rc3/8	29	28	65	165	153	144	98	32	17	18	32	23
	3620	NPT3/4	G1/4	NPT1/2	NPT3/8	29	28	65	165	153	144	98	32	19	18	32	23
	3720	1-14UNS	G1/4	NPT1/2	NPT3/8	29	28	65	165	153	144	98	32	17	18	32	23
25	3025	R1	G3/8	Rc3/4	Rc1/2	33	33	72	187	174	163	110	37	22	22	36	26
	3125	G1	G3/8	Rc3/4	Rc1/2	33	33	72	183	170	159	106	33	18	22	36	26
	3225	M35x1.5	G3/8	Rc3/4	Rc1/2	33	33	72	184	171	160	107	34	16	22	41	26
	3625	NPT1	G3/8	NPT3/4	NPT1/2	33	33	72	187	174	163	110	37	22	22	36	26
	3725	1 1/2-12UNF	G3/8	NPT3/4	NPT1/2	33	33	72	191	178	167	114	41	23	22	41	26
32	3032	R1 1/4	G1/2	Rc1	Rc3/4	36	40	83	219	202	189	132	45	25	30	41	30
	3132	G1 1/4	G1/2	Rc1	Rc3/4	36	40	83	220	203	190	133	46	25	30	41	30
	3232	M42x1.5	G1/2	Rc1	Rc3/4	36	40	83	220	203	190	133	46	25	30	41	30
	3632	NPT1 1/4	G1/2	NPT1	NPT3/4	36	40	83	219	202	189	132	45	25	30	41	30
	3732	1 3/4-12UN	G1/2	NPT1	NPT3/4	36	40	83	220	203	190	133	46	25	30	41	30
40	3040	R1 1/2	G3/4	Rc1	Rc3/4	39	43	89	226	209	196	137	47	25	35	46	32
	3140	G1 1/2	G3/4	Rc1	Rc3/4	39	43	89	227	210	197	138	48	25	35	46	32
	3240	M50x1.5	G3/4	Rc1	Rc3/4	39	43	89	227	210	197	138	48	25	35	46	32
	3640	NPT1 1/2	G3/4	NPT1	NPT3/4	39	43	89	226	209	196	137	47	25	35	46	32
	3740	2-12UN	G3/4	NPT1	NPT3/4	39	43	89	227	210	197	138	48	25	35	46	32
50	3050	R2	G1	Rc1 1/2	Rc1	50	51	115	268	247	233	164	56	30	48	60	34
	3650	NPT2	G1	NPT1 1/2	NPT1	50	51	115	268	247	233	164	56	30	48	60	34
65	3065	R2 1/2	G1 1/4	Rc2	Rc1 1/2	68	62	123	345	315	293	206	75	40	58	65	45
	3665	NPT2 1/2	G1 1/4	NPT2	NPT1 1/2	68	62	123	345	315	293	206	75	40	58	65	45
80	3080	R3	G1 1/2	Rc2	Rc1 1/2	72	62	138	353	323	300	212	75	40	68	75	45
	3680	NPT3	G1 1/2	NPT2	NPT1 1/2	72	62	138	353	323	300	212	75	40	68	75	45

A rotor with a parallel screw is supplied with the copper plate gasket.

The internal pipe retaining nut is supplied with the joint.

Please prepare the internal pipe by yourself. If you should place an order for the internal pipe with us, please be sure to specify the dimensions.

RXC & RXM are the same as RXE & RXH respectively but Casing and Elbow (connection for hose) threads are NPT.

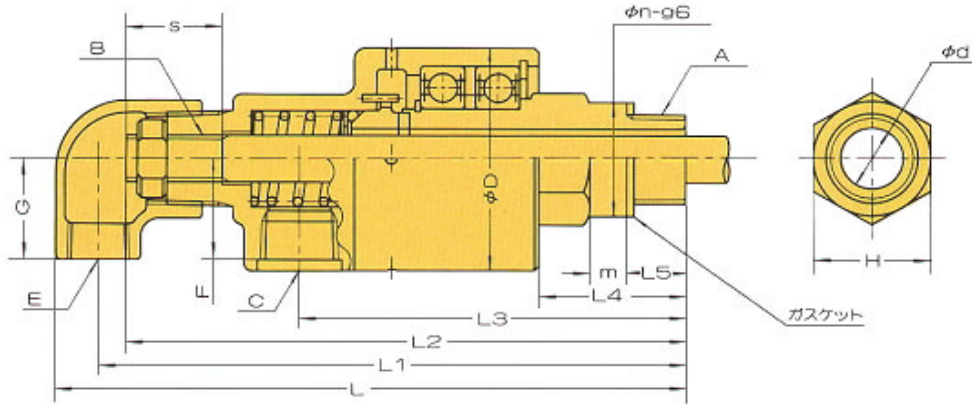
RXC: Suitable for cooling service. Lubrication free due to pre-greased ball bearings

RXM: Available for high temperature and high speed operation with high grade seal materials and providing grease nipple for lubrication

Code No.36**&37** are not available for RXC & RXM.

DIMENSIONS

RXE 3300,RXH 3300 Duplex, Stationary Internal Pipe: ISO Metric Thread With Pilot



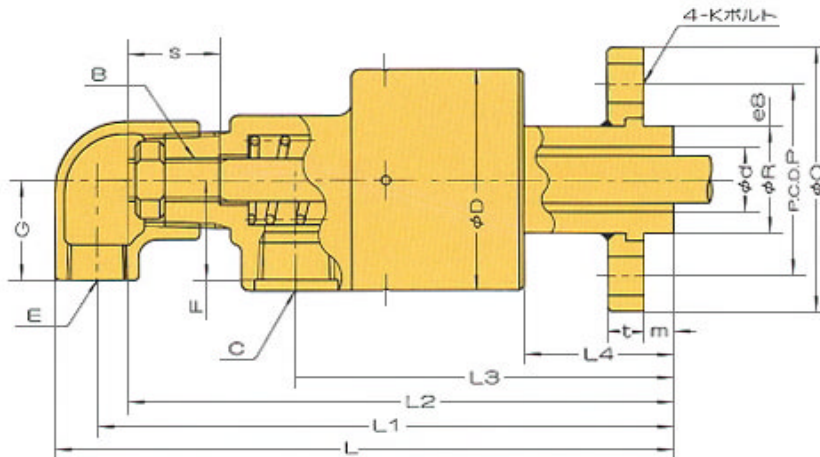
SIZE	CODE	A	B	C	E	F	G	D	L	L1	L2	L3	L4	L5	m	n	d	H	s
15	3315	M22x1.5	G1/8	Rc1/2	Rc3/8	24	25	53	162	150	142	100	37	14	10	28	12.5	30	22
20	3320	M25x1.5	G1/4	Rc1/2	Rc3/8	29	28	65	173	162	153	107	41	16	10	30	16	32	23
25	3325	M33x1.5	G3/8	Rc3/4	Rc1/2	33	33	72	196	183	172	119	46	18	10	40	22	41	26

A rotor with a parallel screw is supplied with the copper plate gasket.

The internal pipe retaining nut is supplied with the joint.

Please prepare the internal pipe by yourself. If you should place an order for the internal pipe with us, please be sure to specify the dimensions.

RXE 4100,RXH 4100 Duplex, Stationary Internal Pipe: Flange Connection



SIZE	CODE	B	C	E	d	FLANGE DIMENSIONS							F	G	D	L	L1	L2	L3	L4	s
						R	O	P	m	t	K										
15	4115	G1/8	Rc1/2	Rc3/8	12.5	25	62	45	8	10	M8	24	25	53	163	151	143	101	38	22	
20	4120	G1/4	Rc1/2	Rc3/8	18	30	74	54	8	12	M10	29	28	65	177	166	157	111	45	23	
25	4125	G3/8	Rc3/4	Rc1/2	22	35	80	60	9	12	M10	33	33	72	198	185	174	121	48	26	
32	4132	G1/2	Rc1	Rc3/4	30	50	96	75	9	14	M10	36	40	83	224	207	194	137	50	30	
40	4140	G3/4	Rc1	Rc3/4	35	50	96	75	9	14	M10	39	43	89	229	212	199	140	50	32	
50	4150	G1	Rc1 1/2	Rc1	48	65	120	95	10	14	M12	50	51	115	272	251	237	168	60	34	
65	4165	G1 1/4	Rc2	Rc1 1/2	58	80	136	110	12	16	M12	68	62	123	330	300	278	191	60	45	
80	4180	G1 1/2	Rc2	Rc1 1/2	68	90	154	125	15	20	M12	72	62	138	343	313	290	202	65	45	

The flange connection type is supplied with a copper gasket (to be attached on the shaft end), along with a stud bolt, nut and washer set.

When you place an order for the flange connection type, it is not necessary to specify the direction of the thread.

The internal pipe retaining nut is supplied with the joint.

Please prepare the internal pipe by yourself. If you should place an order for the internal pipe with us, please be sure to specify the dimensions.

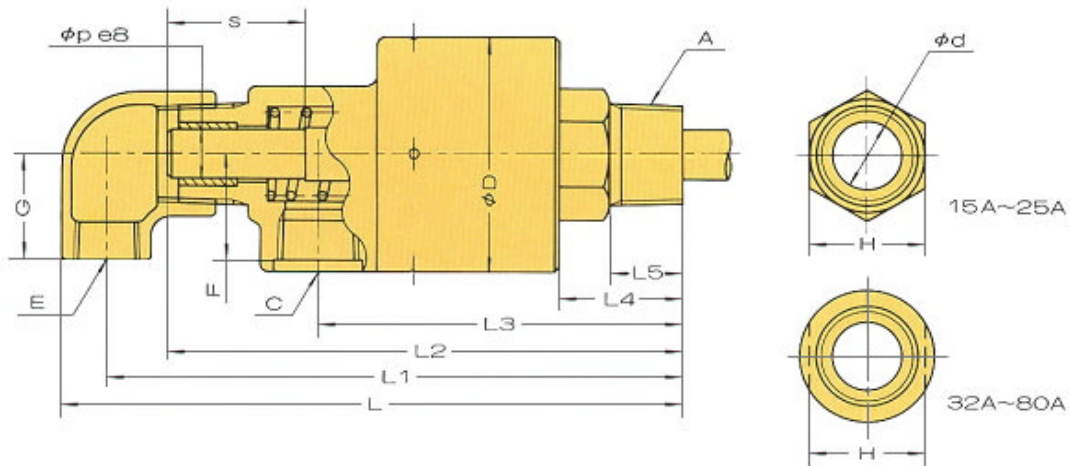
RXC & RXM are the same as RXE & RXH respectively but Casing and Elbow (connection for hose) threads are NPT.

RXC: Suitable for cooling service. Lubrication free due to pre-greased ball bearings

RXM: Available for high temperature and high speed operation with high grade seal materials and providing grease nipple for lubrication

DIMENSIONS

RXE 5000, RXH 5000 Duplex, Rotational Internal Pipe: Thread Connection



SIZE	CODE	A	C	E	F	G	D	L	L1	L2	L3	L4	L5	d	H		
																p	s
15	5015	R1/2	Rc1/2	Rc3/8	24	25	53	153	141	128	91	28	18	12.5	22	10	30
	5115	G1/2	Rc1/2	Rc3/8	24	25	53	155	143	130	93	30	18	12.5	27	10	30
	5215	M22x1.5	Rc1/2	Rc3/8	24	25	53	155	143	130	93	30	18	12.5	27	10	30
	5615	NPT1/2	NPT1/2	NPT3/8	24	25	53	153	141	128	91	28	18	12.5	22	10	30
	5715	3/4-16UNF	NPT1/2	NPT3/8	24	25	53	155	143	130	93	30	18	12.5	27	10	30
20	5020	R3/4	Rc1/2	Rc3/8	29	28	65	165	153	138	98	32	19	18	32	13	30
	5120	G3/4	Rc1/2	Rc3/8	29	28	65	165	153	138	98	32	17	18	32	13	30
	5220	M26x1.5	Rc1/2	Rc3/8	29	28	65	165	153	138	98	32	17	18	32	13	30
	5620	NPT3/4	NPT1/2	NPT3/8	29	28	65	165	153	138	98	32	19	18	32	13	30
	5720	1-14UNS	NPT1/2	NPT3/8	29	28	65	165	153	138	98	32	17	18	32	13	30
25	5025	R1	Rc3/4	Rc1/2	33	33	72	187	174	157	110	37	22	22	36	16	35
	5125	G1	Rc3/4	Rc1/2	33	33	72	183	170	154	106	33	18	22	36	16	35
	5225	M35x1.5	Rc3/4	Rc1/2	33	33	72	184	171	154	107	34	16	22	41	16	35
	5625	NPT1	NPT3/4	NPT1/2	33	33	72	187	174	157	110	37	22	22	36	16	35
	5725	1 1/2-12UNF	NPT3/4	NPT1/2	33	33	72	191	178	160	114	41	23	22	41	16	35
32	5032	R1 1/4	Rc1	Rc3/4	36	40	83	219	202	182	132	45	25	30	41	20	40
	5132	G1 1/4	Rc1	Rc3/4	36	40	83	220	203	182	133	46	25	30	41	20	40
	5232	M42x1.5	Rc1	Rc3/4	36	40	83	220	203	182	133	46	25	30	41	20	40
	5632	NPT1 1/4	NPT1	NPT3/4	36	40	83	219	202	182	132	45	25	30	41	20	40
	5732	1 3/4-12UN	NPT1	NPT3/4	36	40	83	220	203	182	133	46	25	30	41	20	40
40	5040	R1 1/2	Rc1	Rc3/4	39	43	89	226	209	189	137	47	25	35	46	26	40
	5140	G1 1/2	Rc1	Rc3/4	39	43	89	227	210	189	138	48	25	35	46	26	40
	5240	M50x1.5	Rc1	Rc3/4	39	43	89	227	210	189	138	48	25	35	46	26	40
	5640	NPT1 1/2	NPT1	NPT3/4	39	43	89	226	209	189	137	47	25	35	46	26	40
	5740	2-12UN	NPT1	NPT3/4	39	43	89	227	210	189	138	48	25	35	46	26	40
50	5050	R2	Rc1 1/2	Rc1	50	51	115	268	247	224	164	56	30	48	60	32	45
	5650	NPT2	NPT1 1/2	NPT1	50	51	115	268	247	224	164	56	30	48	60	32	45
65	5065	R2 1/2	Rc2	Rc1 1/2	68	62	123	345	315	283	206	75	40	58	65	40	55
	5665	NPT2 1/2	NPT2	NPT1 1/2	68	62	123	345	315	283	206	75	40	58	65	40	55
80	5080	R3	Rc2	Rc1 1/2	72	62	138	353	323	290	212	75	40	68	75	48	60
	5680	NPT3	NPT2	NPT1 1/2	72	62	138	353	323	290	212	75	40	68	75	48	60

A rotor with a parallel screw is supplied with the copper plate gasket.

Please prepare the internal pipe by yourself. If you should place an order for the internal pipe with us, please be sure to specify the dimensions.

RXC & RXM are the same as RXE & RXH respectively but Casing and Elbow (connection for hose) threads are NPT.

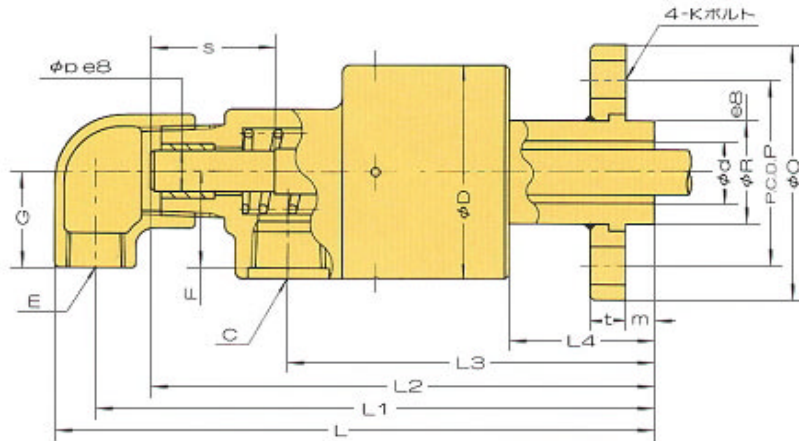
RXC: Suitable for cooling service. Lubrication free due to pre-greased ball bearings

RXM: Available for high temperature and high speed operation with high grade seal materials and providing grease nipple for lubrication

Code No.56**&57** are not available for RXC & RXM.

DIMENSIONS

RXE 6100, RXH 6100 Duplex, Rotational Internal Pipe: Flange Connection



SIZE	CODE	C	E	d	FLANGE DIMENSIONS										F	G	D	L	L1	L2	L3	L4	p	s
					R	O	P	m	t	K														
15	6115	Rc1/2	Rc3/8	12.5	25	62	45	8	10	M8	24	25	53	163	151	138	101	38	10	30				
20	6120	Rc1/2	Rc3/8	18	30	74	54	8	12	M10	29	28	65	177	166	151	111	45	13	30				
25	6125	Rc3/4	Rc1/2	22	35	80	60	9	12	M10	33	33	72	198	185	168	121	48	16	35				
32	6132	Rc1	Rc3/4	30	50	96	75	9	14	M10	36	40	83	224	207	187	137	50	20	40				
40	6140	Rc1	Rc3/4	35	50	96	75	9	14	M10	39	43	89	229	212	192	140	50	26	40				
50	6150	Rc1 1/2	Rc1	48	65	120	95	10	14	M12	50	51	115	272	251	228	168	60	32	45				
65	6165	Rc2	Rc1 1/2	58	80	136	110	12	16	M12	68	62	123	330	300	268	191	60	40	55				
80	6180	Rc2	Rc1 1/2	68	90	154	125	15	20	M12	72	62	138	343	313	280	202	65	48	60				

The flange connection type is supplied with a copper gasket (to be attached on the shaft end), along with a stud bolt, nut and washer set.

When you place an order for the flange connection type, it is not necessary to specify the direction of the thread.

Please prepare the internal pipe by yourself. If you should place an order for the internal pipe with us, please be sure to specify the dimensions.

RXC & RXM are the same as RXE & RXH respectively but Casing and Elbow (connection for hose) threads are NPT.

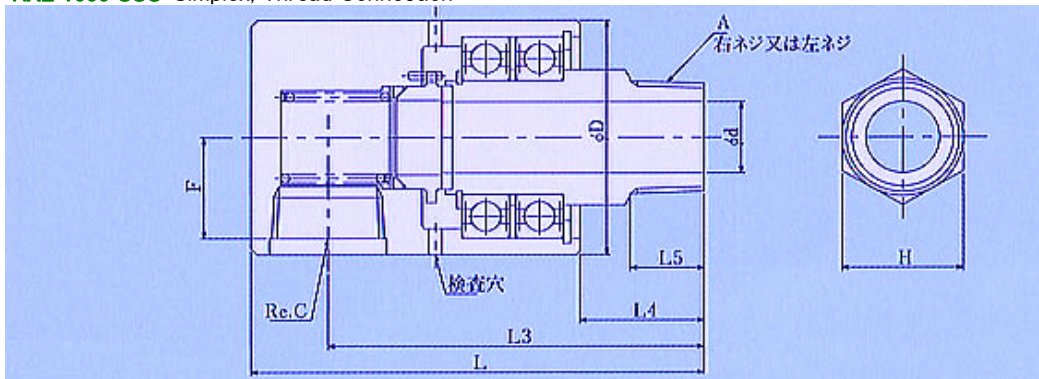
RXC: Suitable for cooling service. Lubrication free due to pre-greased ball bearings

RXM: Available for high temperature and high speed operation with high grade seal materials and providing grease nipple for lubrication

RXE SUS Series

In addition to the rotor, the casing and spring catch are also made of SUS.

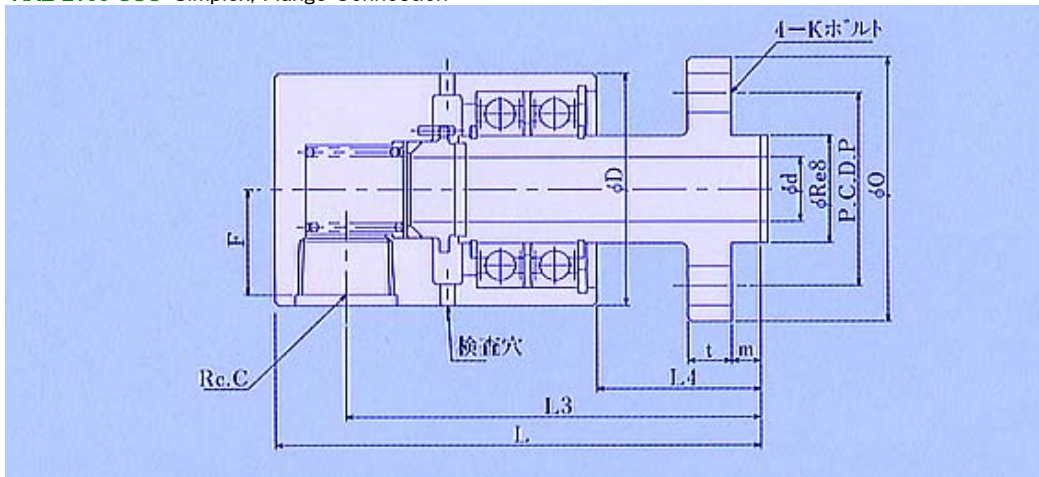
RXE 1000 SUS Simplex, Thread Connection



SIZE	CODE	A	C	F	D	L	L3	L4	L5	d	H
8	1008S	R1/4	Rc1/4	18	39	81	70	22	14	6	17
10	1010S	R3/8	Rc3/8	21	46	90	77	23	14	9	19
15	1015S	R1/2	Rc1/2	24	53	108	91	28	18	12.5	22
20	1020S	R3/4	Rc3/4	29	65	120	101	32	19	18	32
25	1025S	R1	Rc1	31	72	135	112	37	22	22	36
32	1032S	R1 1/4	Rc1 1/4	41	92	161	134	45	25	30	41
40	1040S	R1 1/2	Rc1 1/2	40	94	171	141	47	25	35	46

Contact us or representatives when a port for temperature or pressure sensor is required.
High temperature types (RXH type) are also available upon request except for Type 8A.

RXE 2100 SUS Simplex, Flange Connection



SIZE	CODE	C	d	FLANGE DIMENSIONS						F	D	L	L3	L4
				R	O	P	m	t	K					
15	2115S	Rc1/2	12.5	25	62	45	8	10	M8	24	53	118	101	38
20	2120S	Rc3/4	18	30	74	54	8	12	M10	29	65	133	114	45
25	2125S	Rc1	22	35	80	60	9	12	M10	31	72	146	123	48

The flange connection type is supplied with a copper gasket (to be attached on the shaft end), along with a stud bolt, nut and washer set.

If you need SUS accessories such as the stud bolt, please contact us for more information.

When you place an order for the flange connection type, it is not necessary to specify the direction of the thread.

Contact us or representatives when a port for temperature or pressure sensor is required.

High temperature types (RXH type) are also available upon request.



RXE-SUS Simplex, Thread Connection



RXE-SUS Simplex, Flange Connection

FLOW RATES

Type	Nominal Size Out-In	Cross Sectional Area (cm ²)	Water Flow Rate (m ³ /h)
1*** 2***	8	0.28	0.30
	10	0.63	0.68
	15	1.23	1.33
	20	2.54	2.75
	25	3.80	4.11
	32	7.07	7.63
	40	9.62	10.4
	50	18.1	19.5
	65	26.4	28.5
3*** 4*** 5*** 6***	15-6	0.36-0.33	0.35
	20-8	1.05-0.69	0.74
	25-10	1.45-1.19	1.28
	32-15	3.37-1.94	2.09
	40-20	3.81-3.53	3.81
	50-25	9.02-5.73	6.18
	65-32	12.1-9.46	10.2
RXK 6081 RXK 6062	80-40	17.8-12.9	14.0
	90-50	24.1-21.6	23.4
	100-65	29.7-34.1	32.1

Calculation of water flow is based on the smaller area of passage.

Velocity of Water: 3m/sec

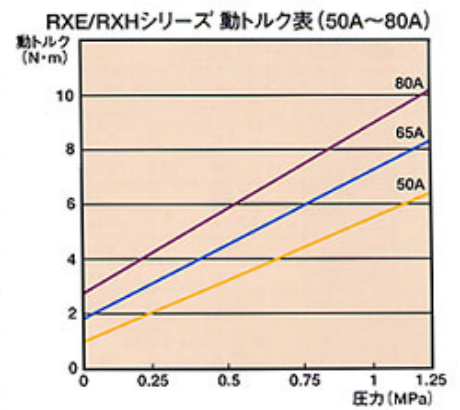
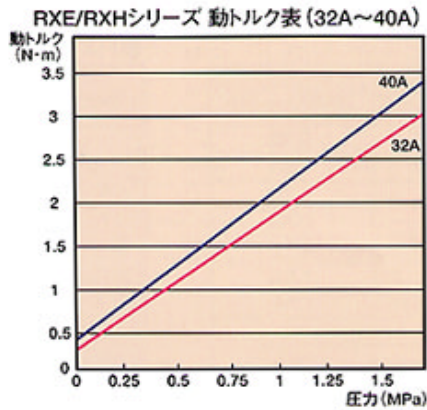
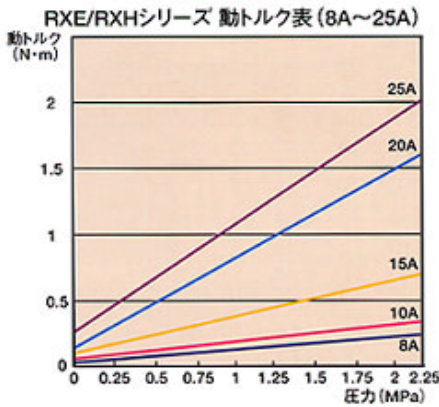
Air: normal state

For the dimension specifications of the internal pipes, refer to "SUS304 Pipe dimensions for internal pipes" below.

"SUS304 Pipe dimensions for internal pipes"

SIZE	Outer diameter / Thickness
6A	φ 10.5xt2.0
8A	φ 13.8xt2.2
10A	φ 17.3xt2.5
15A	φ 21.7xt3.0
20A	φ 27.2xt3.0
25A	φ 34.0xt3.5
32A	φ 42.7xt4.0
40A	φ 48.6xt4.0
50A	φ 60.5xt4.0

DYNAMIC TORQUE GRAPH



The rotation torque of the rotary joint varies according to the storage condition, storage period and fluid type.

The above graphs show representative values measured according to our in-house testing standard and do not represent guaranteed values.

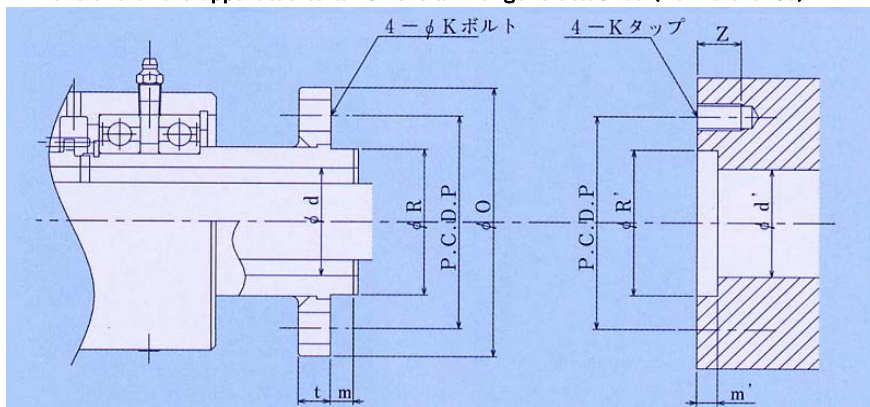
The initial (starting) torque is larger than the dynamic torque.

When ringing (adhesion phenomenon) occurs, torque is particularly large but this is not an abnormal phenomenon.

WEIGHT CHART(Unit = 1kg/1 piece)

	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A
1***	0.35	0.55	0.9	1.3	1.8	2.7	3.4	6.5	8.7	12.0
2***	-	-	1.1	1.7	2.1	3.5	4.0	7.4	9.9	13.6
3***	-	-	1.0	1.4	2.0	3.1	3.7	6.7	9.6	11.6
4***	-	-	1.2	1.8	2.3	3.9	4.3	7.6	10.8	13.2
5***	-	-	1.0	1.4	2.0	3.1	3.7	6.7	9.6	11.6
6***	-	-	1.2	1.8	2.3	3.9	4.3	7.6	10.8	13.2

Dimensions of the apparatus to which a SGK flange is attached (For reference)



FLANGE	d	R	O	P	m	t	K
10A	-	25	62	45	8	-	-
15A	12.5	25	62	45	8	10	M8
20A	18	30	74	54	8	12	M10
25A	22	35	80	60	9	12	M10
32A	30	50	96	75	9	14	M10
40A	35	50	96	75	9	14	M10
50A	48	65	120	95	10	14	M12
65A	58	80	136	110	12	16	M12
80A	68	90	154	125	15	20	M12

Dimensions of the apparatus	d'	R'	P	m'	Z
10A	-	25	45	7	12
15A	12.5	25	45	7	12
20A	18	30	54	7	16
25A	22	35	60	8	16
32A	30	50	75	8	16
40A	35	50	75	8	16
50A	48	65	95	9	19
65A	58	80	110	11	19
80A	68	90	125	14	19

Dimension of $\phi R'$: $+0.05$
0

Table of RX series

		Simplex			Duplex, Stationary Internal Pipe		
		Type	Name	Our Code	Type	Name	Our Code
Thread Connection	Metric w/Pilot	RXE 13**	RJ-RXE 1310 LH	RE10003200	RXE 33**	RJ-RXE 3315 LH	RE15063211
			RJ-RXE 1310 RH	RE10003100		RJ-RXE 3315 RH	RE15063111
			RJ-RXE 1315 LH	RE15003200		RJ-RXE 3320 LH	RE20083211
			RJ-RXE 1315 RH	RE15003100		RJ-RXE 3320 RH	RE20083111
			RJ-RXE 1320 LH	RE20003200		RJ-RXE 3325 LH	RE25103211
			RJ-RXE 1320 RH	RE20003100		RJ-RXE 3325 RH	RE25103111
			RJ-RXE 1325 LH	RE25003200			
			RJ-RXE 1325 RH	RE25003100			
	NPT	RXE 16**	RJ-RXE 1610 LH	RE10006200	RXE 36**	RJ-RXE 3615 LH	RE15066211
			RJ-RXE 1610 RH	RE10006100		RJ-RXE 3615 RH	RE15066111
			RJ-RXE 1615 LH	RE15006200		RJ-RXE 3620 LH	RE20086211
			RJ-RXE 1615 RH	RE15006100		RJ-RXE 3620 RH	RE20086111
			RJ-RXE 1620 LH	RE20006200		RJ-RXE 3625 LH	RE25106211
			RJ-RXE 1620 RH	RE20006100		RJ-RXE 3625 RH	RE25106111
			RJ-RXE 1625 LH	RE25006200		RJ-RXE 3632 LH	RE32156211
			RJ-RXE 1625 RH	RE25006100		RJ-RXE 3632 RH	RE32156111
			RJ-RXE 1632 LH	RE32006200		RJ-RXE 3640 LH	RE40206211
			RJ-RXE 1632 RH	RE32006100		RJ-RXE 3640 RH	RE40206111
			RJ-RXE 1640 LH	RE40006200			
			RJ-RXE 1640 RH	RE40006100			
	UNF	RXE 17**	RJ-RXE 1710 LH	RE10007200	RXE 37**	RJ-RXE 3715 LH	RE15067211
			RJ-RXE 1710 RH	RE10007100		RJ-RXE 3715 RH	RE15067111
			RJ-RXE 1715 LH	RE15007200		RJ-RXE 3720 LH	RE20087211
			RJ-RXE 1715 RH	RE15007100		RJ-RXE 3720 RH	RE20087111
			RJ-RXE 1720 LH	RE20007200		RJ-RXE 3725 LH	RE25107211
			RJ-RXE 1720 RH	RE20007100		RJ-RXE 3725 RH	RE25107111
			RJ-RXE 1725 LH	RE25007200		RJ-RXE 3732 LH	RE32157211
			RJ-RXE 1725 RH	RE25007100		RJ-RXE 3732 RH	RE32157111
			RJ-RXE 1732 LH	RE32007200		RJ-RXE 3740 LH	RE40207211
			RJ-RXE 1732 RH	RE32007100		RJ-RXE 3740 RH	RE40207111
			RJ-RXE 1740 LH	RE40007200			
			RJ-RXE 1740 RH	RE40007100			
			Flange Connection	RXE 21**		RJ-RXE 2115	RE15000000
RJ-RXE 2120	RE20000000	RJ-RXE 4120			RE20080011		
RJ-RXE 2125	RE25000000	RJ-RXE 4125			RE25100011		
RJ-RXE 2132	RE32000000	RJ-RXE 4132			RE32150011		
RJ-RXE 2140	RE40000000	RJ-RXE 4140			RE40200011		
RJ-RXE 2150	RE50000000	RJ-RXE 4150			RE50250011		
RJ-RXE 2165	RE65000000	RJ-RXE 4165			RE65320011		
RJ-RXE 2180	RE80000000	RJ-RXE 4180			RE80400011		

Table of RX series

		Duplex, Rotary Internal Pipe							
		Rotor Without Key Seat			Rotor With Key Seat				
		Type	Name	Our Code	Type	Name	Our Code		
Thread Connection	Metric w/Pilot	none			none				
	NPT	RXE 56**	RJ-RXE 5615 LH	RE15066284	RXE 56**K	RJ-RXE 5615K LH	RE15066484		
			RJ-RXE 5615 RH	RE15066184		RJ-RXE 5615K RH	RE15066384		
			RJ-RXE 5620 LH	RE20086284		RJ-RXE 5620K LH	RE20086484		
			RJ-RXE 5620 RH	RE20086184		RJ-RXE 5620K RH	RE20086384		
			RJ-RXE 5625 LH	RE25106284		RJ-RXE 5625K LH	RE25106484		
			RJ-RXE 5625 RH	RE25106184		RJ-RXE 5625K RH	RE25106384		
			RJ-RXE 5632 LH	RE32156284		RJ-RXE 5632K LH	RE32156484		
			RJ-RXE 5632 RH	RE32156184		RJ-RXE 5632K RH	RE32156384		
			RJ-RXE 5640 LH	RE40206284		RJ-RXE 5640K LH	RE40206484		
			RJ-RXE 5640 RH	RE40206184		RJ-RXE 5640K RH	RE40206384		
			RJ-RXE 5650 LH	RE50256284		RJ-RXE 5650K LH	RE50256484		
			RJ-RXE 5650 RH	RE50256184		RJ-RXE 5650K RH	RE50256384		
			RJ-RXE 5665 LH	RE65326284		RJ-RXE 5665K LH	RE65326484		
			RJ-RXE 5665 RH	RE65326184		RJ-RXE 5665K RH	RE65326384		
			RJ-RXE 5680 LH	RE80406285		RJ-RXE 5680K LH	RE80406485		
			RJ-RXE 5680 RH	RE80406185		RJ-RXE 5680K RH	RE80406385		
	UNF	RXE 57**	RJ-RXE 5715 LH	RE15067284	RXE 57**K	RJ-RXE 5715K LH	RE15067484		
			RJ-RXE 5715 RH	RE15067184		RJ-RXE 5715K RH	RE15067384		
			RJ-RXE 5720 LH	RE20087284		RJ-RXE 5720K LH	RE20087484		
			RJ-RXE 5720 RH	RE20087184		RJ-RXE 5720K RH	RE20087384		
			RJ-RXE 5725 LH	RE25107284		RJ-RXE 5725K LH	RE25107484		
			RJ-RXE 5725 RH	RE25107184		RJ-RXE 5725K RH	RE25107384		
			RJ-RXE 5732 LH	RE32157284		RJ-RXE 5732K LH	RE32157484		
			RJ-RXE 5732 RH	RE32157184		RJ-RXE 5732K RH	RE32157384		
			RJ-RXE 5740 LH	RE40207284		RJ-RXE 5740K LH	RE40207484		
			RJ-RXE 5740 RH	RE40207184		RJ-RXE 5740K RH	RE40207384		
			Flange Connection	RXE 61**		RJ-RXE 6115	RE15060084	RXE 61**K	RJ-RXE 6115K
RJ-RXE 6120						RE20080084	RJ-RXE 6120K		RE20082084
RJ-RXE 6125	RE25100084	RJ-RXE 6125K			RE25102084				
RJ-RXE 6132	RE32150084	RJ-RXE 6132K			RE32152084				
RJ-RXE 6140	RE40200084	RJ-RXE 6140K			RE40202084				
RJ-RXE 6150	RE50250084	RJ-RXE 6150K			RE50252084				
RJ-RXE 6165	RE65320084	RJ-RXE 6165K			RE65322084				
RJ-RXE 6180	RE80400085	RJ-RXE 6180K			RE80402085				

Table of RX series

		Duplex, Rotary Internal Pipe					
		Rotor Without Key Seat			Rotor With Key Seat		
		Type	Name	Our Code	Type	Name	Our Code
Flange Connection	RXK 60**	RJ-RXK 6081	RE81501085	RXK 60**K	RJ-RXK 6081K	RE81503085	
		RJ-RXK 6082	RE82651084		RJ-RXK 6082K	RE82653084	

Table of RX series

		Simplex			Duplex, Stationary Internal Pipe		
		Type	Name	Our Code	Type	Name	Our Code
Thread Connection	Metric w/Pilot	RXH 13**	RJ-RXH 1310 LH	RH10003200	RXH 33**	RJ-RXH 3315 LH	RH15063211
			RJ-RXH 1310 RH	RH10003100		RJ-RXH 3315 RH	RH15063111
			RJ-RXH 1315 LH	RH15003200		RJ-RXH 3320 LH	RH20083211
			RJ-RXH 1315 RH	RH15003100		RJ-RXH 3320 RH	RH20083111
			RJ-RXH 1320 LH	RH20003200		RJ-RXH 3325 LH	RH25103211
			RJ-RXH 1320 RH	RH20003100		RJ-RXH 3325 RH	RH25103111
			RJ-RXH 1325 LH	RH25003200			
			RJ-RXH 1325 RH	RH25003100			
	NPT	RXH 16**	RJ-RXH 1610 LH	RH10006200	RXH 36**	RJ-RXH 3615 LH	RH15066211
			RJ-RXH 1610 RH	RH10006100		RJ-RXH 3615 RH	RH15066111
			RJ-RXH 1615 LH	RH15006200		RJ-RXH 3620 LH	RH20086211
			RJ-RXH 1615 RH	RH15006100		RJ-RXH 3620 RH	RH20086111
			RJ-RXH 1620 LH	RH20006200		RJ-RXH 3625 LH	RH25106211
			RJ-RXH 1620 RH	RH20006100		RJ-RXH 3625 RH	RH25106111
			RJ-RXH 1625 LH	RH25006200		RJ-RXH 3632 LH	RH32156211
			RJ-RXH 1625 RH	RH25006100		RJ-RXH 3632 RH	RH32156111
			RJ-RXH 1632 LH	RH32006200		RJ-RXH 3640 LH	RH40206211
			RJ-RXH 1632 RH	RH32006100		RJ-RXH 3640 RH	RH40206111
			RJ-RXH 1640 LH	RH40006200		RJ-RXH 3650 LH	RH50256211
			RJ-RXH 1640 RH	RH40006100		RJ-RXH 3650 RH	RH50256111
			RJ-RXH 1650 LH	RH50006200		RJ-RXH 3665 LH	RH65326211
			RJ-RXH 1650 RH	RH50006100		RJ-RXH 3665 RH	RH65326111
			RJ-RXH 1665 LH	RH65006200		RJ-RXH 3680 LH	RH80406211
			RJ-RXH 1665 RH	RH65006100		RJ-RXH 3680 RH	RH80406111
			RJ-RXH 1680 LH	RH80006200			
	RJ-RXH 1680 RH	RH80006100					
	UNF	RXH 17**	RJ-RXH 1710 LH	RH10007200	RXH 37**	RJ-RXH 3715 LH	RH15067211
			RJ-RXH 1710 RH	RH10007100		RJ-RXH 3715 RH	RH15067111
			RJ-RXH 1715 LH	RH15007200		RJ-RXH 3720 LH	RH20087211
			RJ-RXH 1715 RH	RH15007100		RJ-RXH 3720 RH	RH20087111
			RJ-RXH 1720 LH	RH20007200		RJ-RXH 3725 LH	RH25107211
			RJ-RXH 1720 RH	RH20007100		RJ-RXH 3725 RH	RH25107111
			RJ-RXH 1725 LH	RH25007200		RJ-RXH 3732 LH	RH32157211
RJ-RXH 1725 RH			RH25007100	RJ-RXH 3732 RH		RH32157111	
RJ-RXH 1732 LH			RH32007200	RJ-RXH 3740 LH		RH40207211	
RJ-RXH 1732 RH			RH32007100	RJ-RXH 3740 RH		RH40207111	
RJ-RXH 1740 LH			RH40007200				
RJ-RXH 1740 RH			RH40007100				
Flange Connection	RXH 21**	RJ-RXH 2115	RH15000000	RXH 41**	RJ-RXH 4115	RH15060011	
		RJ-RXH 2120	RH20000000		RJ-RXH 4120	RH20080011	
		RJ-RXH 2125	RH25000000		RJ-RXH 4125	RH25100011	
		RJ-RXH 2132	RH32000000		RJ-RXH 4132	RH32150011	
		RJ-RXH 2140	RH40000000		RJ-RXH 4140	RH40200011	
		RJ-RXH 2150	RH50000000		RJ-RXH 4150	RH50250011	
		RJ-RXH 2165	RH65000000		RJ-RXH 4165	RH65320011	
		RJ-RXH 2180	RH80000000		RJ-RXH 4180	RH80400011	

Table of RX series

		Duplex, Rotary Internal Pipe								
		Rotor Without Key Seat			Rotor With Key Seat					
		Type	Name	Our Code	Type	Name	Our Code			
Thread Connection	Metric w/Pilot	none			none					
	NPT	RXH 56**	RJ-RXH 5615 LH	RH15066284	RXH 56**K	RJ-RXH 5615K LH	RH15066484			
			RJ-RXH 5615 RH	RH15066184		RJ-RXH 5615K RH	RH15066384			
			RJ-RXH 5620 LH	RH20086284		RJ-RXH 5620K LH	RH20086484			
			RJ-RXH 5620 RH	RH20086184		RJ-RXH 5620K RH	RH20086384			
			RJ-RXH 5625 LH	RH25106284		RJ-RXH 5625K LH	RH25106484			
			RJ-RXH 5625 RH	RH25106184		RJ-RXH 5625K RH	RH25106384			
			RJ-RXH 5632 LH	RH32156284		RJ-RXH 5632K LH	RH32156484			
			RJ-RXH 5632 RH	RH32156184		RJ-RXH 5632K RH	RH32156384			
			RJ-RXH 5640 LH	RH40206284		RJ-RXH 5640K LH	RH40206484			
			RJ-RXH 5640 RH	RH40206184		RJ-RXH 5640K RH	RH40206384			
			RJ-RXH 5650 LH	RH50256284		RJ-RXH 5650K LH	RH50256484			
			RJ-RXH 5650 RH	RH50256184		RJ-RXH 5650K RH	RH50256384			
			RJ-RXH 5665 LH	RH65326284		RJ-RXH 5665K LH	RH65326484			
			RJ-RXH 5665 RH	RH65326184		RJ-RXH 5665K RH	RH65326384			
			RJ-RXH 5680 LH	RH80406285		RJ-RXH 5680K LH	RH80406485			
			RJ-RXH 5680 RH	RH80406185		RJ-RXH 5680K RH	RH80406385			
			UNF	RXH 57**		RJ-RXH 5715 LH	RH15067284	RXH 57**K	RJ-RXH 5715K LH	RH15067484
						RJ-RXH 5715 RH	RH15067184		RJ-RXH 5715K RH	RH15067384
	RJ-RXH 5720 LH	RH20087284			RJ-RXH 5720K LH	RH20087484				
	RJ-RXH 5720 RH	RH20087184			RJ-RXH 5720K RH	RH20087384				
	RJ-RXH 5725 LH	RH25107284			RJ-RXH 5725K LH	RH25107484				
	RJ-RXH 5725 RH	RH25107184			RJ-RXH 5725K RH	RH25107384				
	RJ-RXH 5732 LH	RH32157284			RJ-RXH 5732K LH	RH32157484				
	RJ-RXH 5732 RH	RH32157184			RJ-RXH 5732K RH	RH32157384				
	RJ-RXH 5740 LH	RH40207284			RJ-RXH 5740K LH	RH40207484				
	RJ-RXH 5740 RH	RH40207184			RJ-RXH 5740K RH	RH40207384				
	Flange Connection	RXH 61**			RJ-RXH 6115	RH15060084	RXH 61**K		RJ-RXH 6115K	RH15062084
RJ-RXH 6120					RH20080084	RJ-RXH 6120K			RH20082084	
RJ-RXH 6125			RH25100084	RJ-RXH 6125K	RH25102084					
RJ-RXH 6132			RH32150084	RJ-RXH 6132K	RH32152084					
RJ-RXH 6140			RH40200084	RJ-RXH 6140K	RH40202084					
RJ-RXH 6150			RH50250084	RJ-RXH 6150K	RH50252084					
RJ-RXH 6165			RH65320084	RJ-RXH 6165K	RH65322084					
RJ-RXH 6180			RH80400085	RJ-RXH 6180K	RH80402085					

Table of RXE-SUS series

		Simplex			Duplex, Stationary Internal Pipe		
		Type	Name	Our Code	Type	Name	Our Code
Thread Connection	JIS Taper	RXE 10**S	RJ-RXE 1010S LH	RS10000200		ask	
			RJ-RXE 1010S RH	RS10000100			
			RJ-RXE 1015S LH	RS15000200			
			RJ-RXE 1015S RH	RS15000100			
			RJ-RXE 1020S LH	RS20000200			
			RJ-RXE 1020S RH	RS20000100			
			RJ-RXE 1025S LH	RS25000200			
			RJ-RXE 1025S RH	RS25000100			
			RJ-RXE 1032S LH	RS32000200			
			RJ-RXE 1032S RH	RS32000100			
			RJ-RXE 1040S LH	RS40000200			
RJ-RXE 1040S RH	RS40000100						
	JIS Parallel		ask			ask	
	ISO Metric		ask			ask	
	Metric w/Pilot		ask			ask	
	NPT		ask			ask	
	UNF		ask			ask	
Flange Connection		RXE 21**S	RJ-RXE 2115S	RS15000000		ask	
			RJ-RXE 2120S	RS20000000			
			RJ-RXE 2125S	RS25000000			

Table of RXE-SUS series

		Duplex, Rotary Internal Pipe				
		Rotor Without Key Seat			Rotor With Key Seat	
		Type	Name	Our Code	Type	Name
Thread Connection						ask
Flange Connection						ask


Table of RXH-SUS series

		Simplex			Duplex, Stationary Internal Pipe		
		Type	Name	Our Code	Type	Name	Our Code
Thread Connection							ask
Flange Connection							ask

Table of RXH-SUS series

		Duplex, Rotary Internal Pipe				
		Rotor Without Key Seat			Rotor With Key Seat	
		Type	Name	Our Code	Type	Name
Thread Connection						ask
Flange Connection						ask

Precautions for Use

1. Use caution not to allow foreign matter to enter the sealed area.
 2. When installing a joint that has a fluid leakage inspection hole, be sure to direct the inspection hole downward.
 3. For joints having a fluid leakage inspection hole: When fluid leaks from the inspection hole, it is time to replace the joint.
 4. For screw-in connection types: The screw must be allowed to tighten freely against the direction of rotation.
The left-hand screw is used when the roll or drum rotates clockwise (when viewed from the rotary joint installation position); the right-hand screw is used when the roll or drum rotates counterclockwise.
 5. Avoid installing piping that would cause the rotary joint to bear the weight of the valve, etc.
 6. Use a flexible tube for connecting the rotary joint and piping.
Do not bind the joint by connecting it directly to the steel pipe.
 7. Do not give the rotation stopper on the rotary joint any excessive restraint for stopping the rotation of the joint.
 8. Lubrication is required where ball bearings are used for high-temperature operation.
Supply grease at regular intervals (the interval differs depending on the operation frequency).
 9. Do not operate the rotary joint at the maximum rotation speed under the maximum allowable working pressure.
 10. When supplying grease, remove the plug, and then top off grease.
 11. Do not leave the rotary joint at rest for long periods of time. This may cause fluid leaks due to the formation of rust.
 12. In the event of any failure, repair or replace the rotary joint promptly.
-  Continued operation with fluid leakage may cause major accident.

Causes of Failure

A sign of failure often appears as a premature fluid leakage from the sealing part. This can be found by checking whether any fluid is leaking from the inspection hole in the main body or through the gap between the rotor and casing. In many cases, the failed joint can be re-used by repairing or replacing certain parts. Please take appropriate measures before the internal parts are damaged.

Main causes of failure are as follows:

- 1) Natural wear and abnormal wear on sealing surface or bearing area
- 2) Undue restraint of joint body
 - The rotation stopper is restrained.
- 3) The center of the machine is improperly aligned with the center of the rotary joint.
 - The end face of the axis of rotation of the machine is not at a right angle to the shaft.
 - The mating part (spigot) is improperly assembled.
 - The center of the mounting screw of the machine to be connected to is incorrectly aligned.
 - The screw direction is incorrect.
 - In the case of flange connection, bolts are not evenly tightened.(After installation, be sure to operate it at low speed and make sure that centering is achieved).
- 4) The piping ahead of the joint is improperly installed.
 - The joint is connected to a steel pipe.
 - The flexible tube does not have adequate flexibility.
 - The bending direction of the flexible tube is inappropriate.
 - The joint is directly subjected to the weight of a valve, trap or other part.
- 5) The internal pipe is not appropriate.
 - The internal pipe and siphon pipe are too heavy and held just by the screw at the joint head.
 - The internal pipe is off-center.
- 6) Use of improper product type.
 - The diameter is too small.
 - The working temperature is too high.
 - The working pressure is too high.
 - The number of RPMs is too high.
 - Operated with an improper type of fluid.
 - Operated with no fluid running.
- 7) Problem with flowing fluid
 - Foreign matter remains in the flow path such as piping, roll, etc.
 - Improper solvent medium is deposited in fluid.
 - The design of the piping installation is not appropriate.
- 8) Others --- If a failure is detected, DO NOT disassemble the joint yourself. Contact us for repairs.

Frequently Asked Questions

Q: What is the difference between "RH/LH" (representing the screw direction of the rotor of the screw-in type rotary joint) and "R/L" (stamped on the rotary joint)?

A: There is no particular difference between "RH/LH" and "R/L". "RH" and "LH" are the abbreviation of "Right Hand" and "Left Hand", respectively. "R/L" is simply used instead of "RH/LH" on the faceplate of the product.

Q: What is the difference between AC Series and NC Series?

A: They are both high-temperature types but with different structure. The AC Series is a lubricating type using a ball bearing, while the NC Series is a non-lubricating type using a carbon bearing in a spherical sealing structure.

Q: What should I do to let a screw tighten freely against the direction of rotation?

A: When installing the joint, use a screw whose direction is opposite to the direction of rotation of a rotating body to which the joint is connected.

Q: Fluid is leaking from the inspection hole.

A: It is time to repair or replace the joint.

Q: Is it possible to use RXH type to run steam as fluid?

A: The standard products of RXH type cannot be used to run steam as a fluid. For this purpose, use AC Series or NC Series.

Q: A leakage occurred shortly after installation.

A: Check installation and use conditions. Impurities in the fluid and improper installation are two common causes of many leakage failures. Use of an improper product type may also cause leakage.

When this is a new order to us

Please specify the following information in your order.

○ If you are currently using our joint

A: In the case of a joint listed in this brochure

Model, size (and, in the case of duplex type, internal pipe size), and screw direction (when using a screw-in type)

B: In the case of a special product

Model, size, screw direction (when using a screw-in type)

Serial number, date of manufacture

Model names contain "OC", "ONC", "OKC", "RXS", etc.

For flange connection types, it is not necessary to specify the screw direction.

For screw-in types, please specify the screw direction.

Please select a left-hand screw when the roll or drum rotates clockwise (when viewed from the rotary joint installation position) and a right-hand screw when the roll or drum rotates counterclockwise.

○ When this is a new order to us

1. Fluid for use, pressure, temperature, number of revolutions and description of the machine to be connected
2. Direction of rotation of the machine to be connected (Direction of rotation when viewed from the joint installation position)
3. Connection type: Screw-in connection (screw direction) or flange connection
4. Connection piping port: Screw-in connection or flange connection
5. Size
6. Structure: Simplex type or duplex type (with stationary internal pipe or rotational internal pipe)
7. Frequency of operation and working shifts
8. Working environment (e.g., use in clean room)
9. Other special requests

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