

Pearl Rotary Joints

RX Series

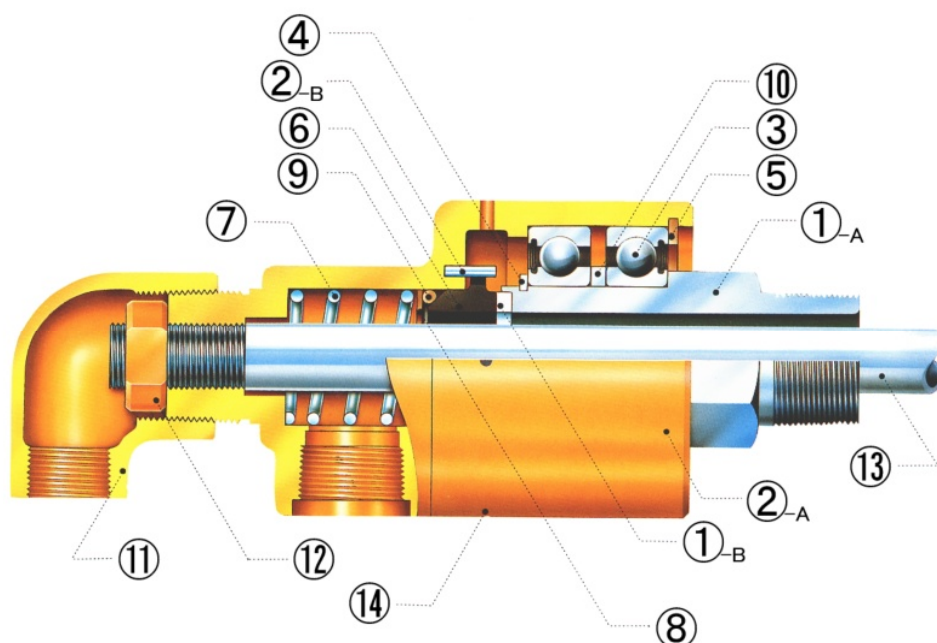
FEATURES

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 (S.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

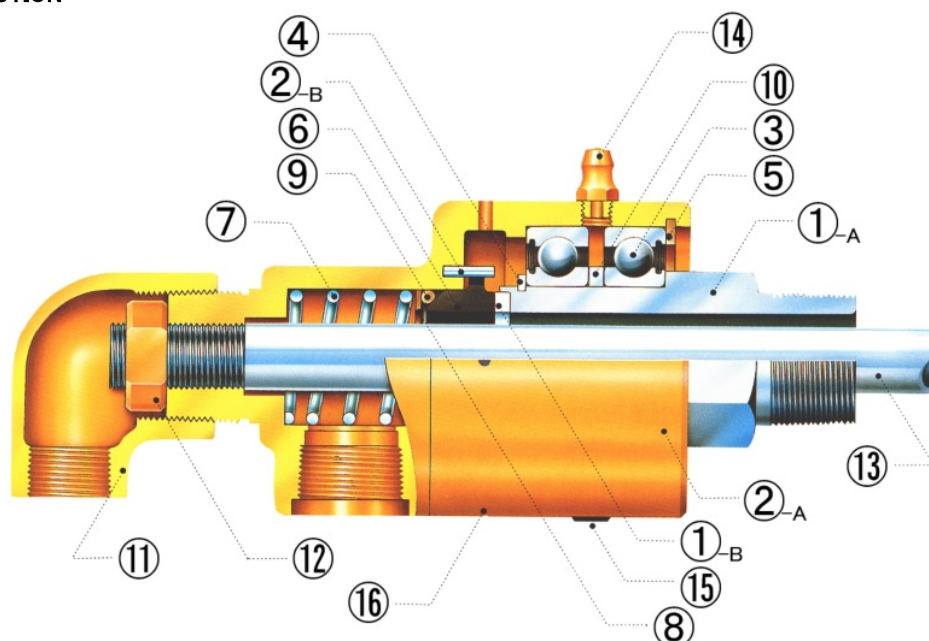
SERVICE CONDITIONS

Fluid	Water, Oil, Air, Gas
Max. Temperature	100 degrees C
Max. Pressure	[Vacuum: Up to 1.3kPa abs(10Torr) 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. 0.98MPa
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 (S.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, Hot Water, Therm Oil
Max. Temperature	150 degrees C
Max. Pressure	[Vacuum: Up to 1.3kPa abs(10Torr) 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 : (1 1/4) 40 : (1 1/2) 50 : (2) 65 : (2 1/2) 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 : (1 1/4B)	40A : (1 1/2B)	50A : (2B)	65A : (2 1/2B)	80A : (3B)
Internal pipe	Nominal size	6A : (1/8B)	8A : (1/4B)	10A : (3/8B)	15A : (1/2B)	20A : (3/4B)	25A : (1B)	32A : (1 1/4B)	40A : (1 1/2B)

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 broch	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	RXE/RXH type product using an O-ring made of materials other than those listed in 8 and 9 above	Z	
11	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	

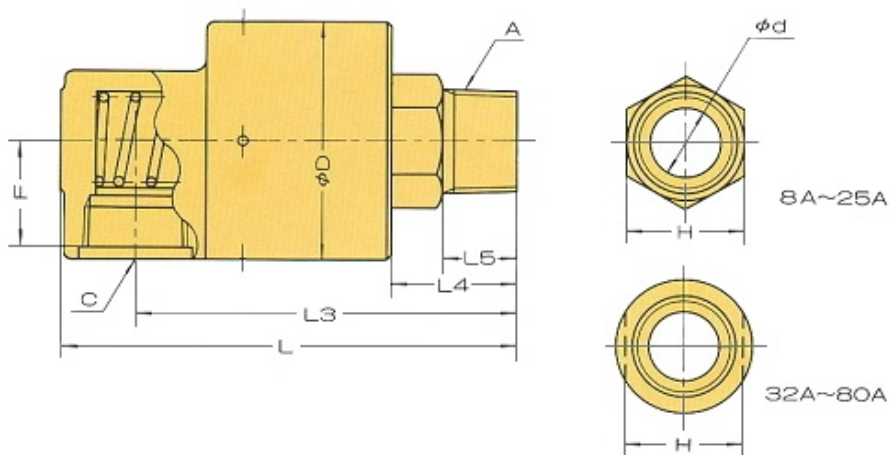
Specifications with up to two special parts will be indicated by adding the symbol codes noted above to the model number.

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
10	1010	R3/8	Rc3/8	21	46	90	77	23	14	9	19
	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
15	1015	R1/2	Rc1/2	24	53	108	91	28	18	12.5	22
	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
20	1020	R3/4	Rc3/4	29	65	120	101	32	19	18	32
	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
25	1025	R1	Rc1	31	72	135	112	37	22	22	36
	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
32	1032	R1 1/4	Rc1 1/4	41	83	161	134	45	25	30	41
	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
40	1040	R1 1/2	Rc1 1/2	44	89	171	141	47	25	35	46
	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
50	1050	R2	Rc2	57	115	206	168	56	30	48	60
	1650	NPT2	NPT2	57	115	206	168	56	30	48	60
65	1065	R2 1/2	Rc2 1/2	73	123	257	210	75	40	58	65
	1665	NPT2 1/2	NPT2 1/2	73	123	257	210	75	40	58	65
80	1080	R3	Rc3	80	138	279	224	75	40	68	75
	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

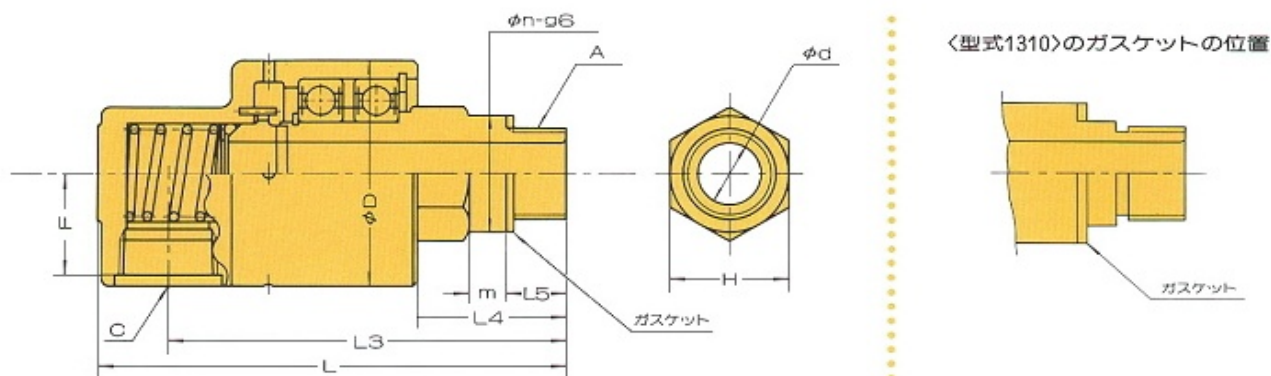
RXM: Available for high temperature and high speed operation with high grade seal materials and providing grease nipple for lubrication

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

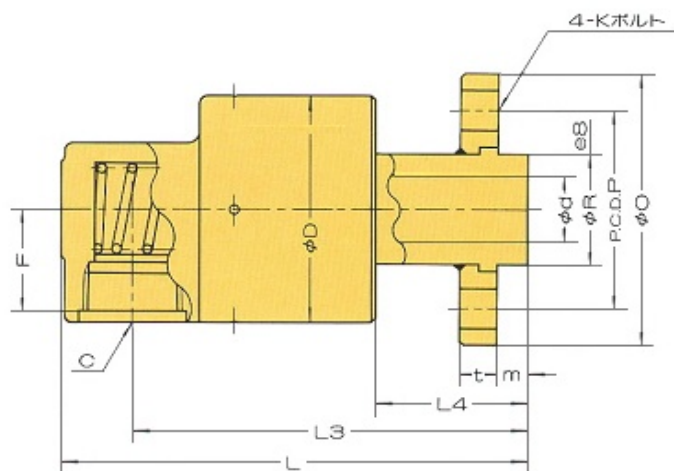


SIZE	CODE	A	C	F	D	L	L3	L4	L5	m	n	d	H
10	1310	M16x1.5	Rc3/8	21	46	98	85	31	13	7	18	9	22
15	1315	M22x1.5	Rc1/2	24	53	117	100	37	14	10	28	12.5	30
20	1320	M25x1.5	Rc3/4	29	65	129	110	41	16	10	30	16	32
25	1325	M33x1.5	Rc1	31	72	144	121	46	18	10	40	22	41

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.

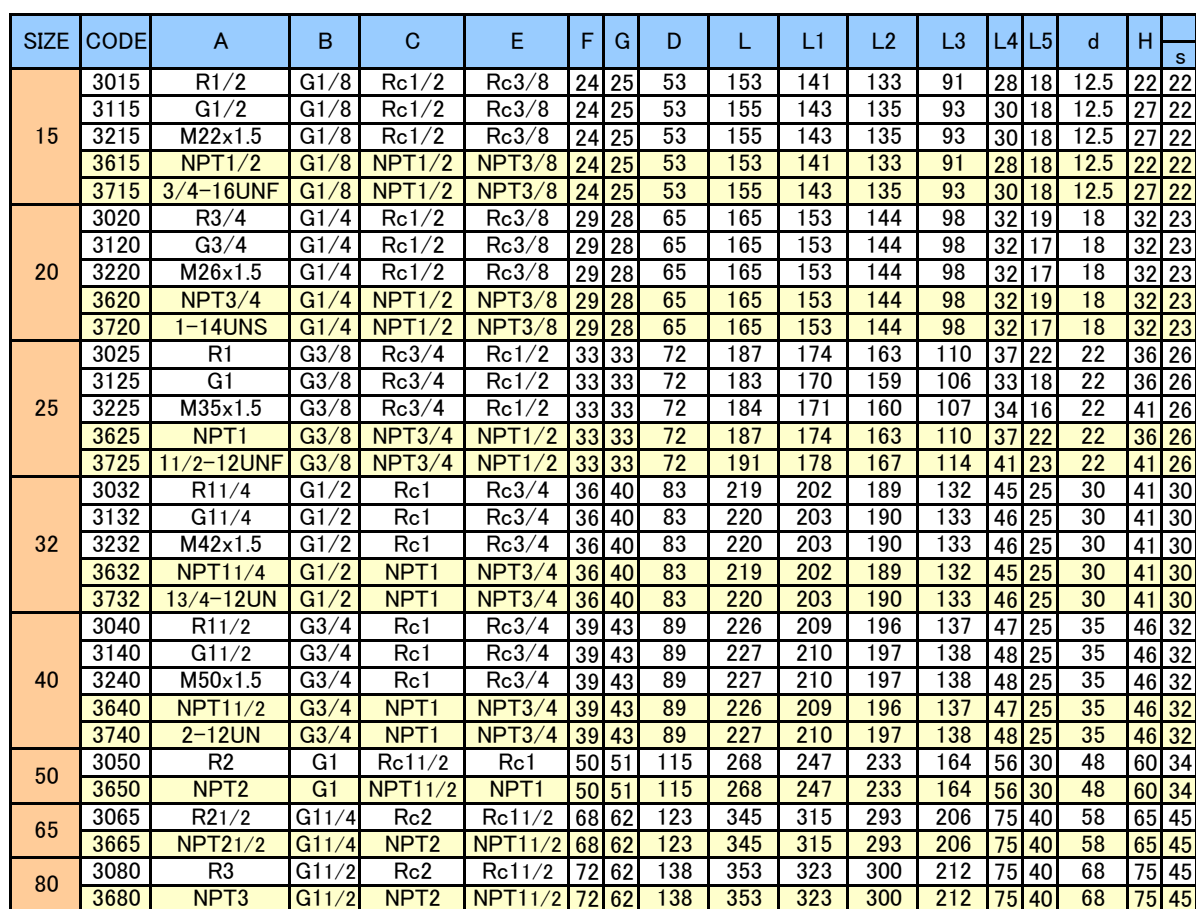
Contact us or representatives when a port for temperature or pressure sensor is required.

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

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

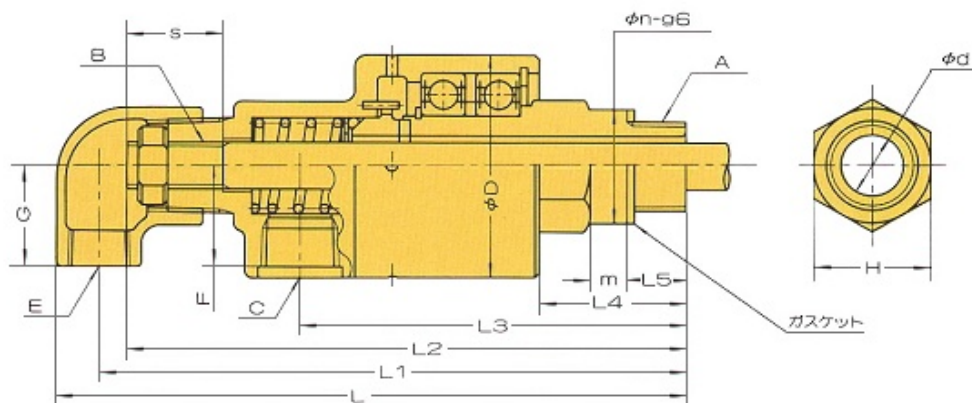


Please prepare the internal pipe by yourself. If you should place an order for the internal pipe with us, please be sure to specify the dimensions.

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

DIMENSIONS

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



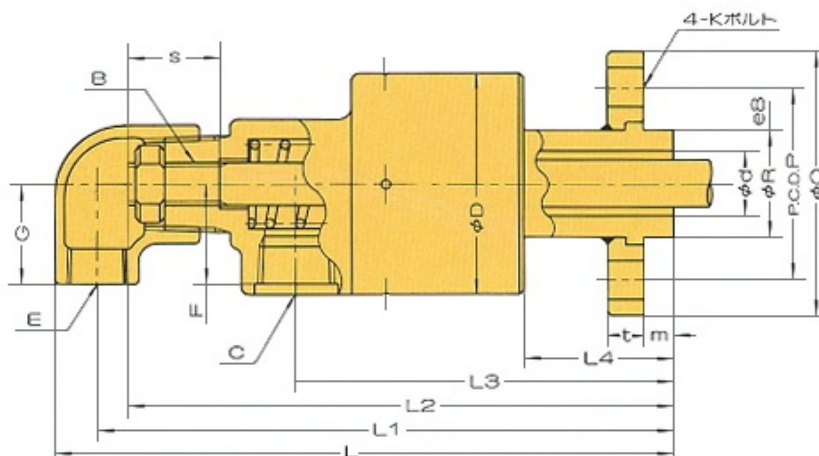
SIZE	CODE	A	B	C	E	F	G	D	L	L1	L2	L3	L4	L5	m	n	d	H	s
15	3315	M22x1.5	G1/8	Rc1/2	Rc3/8	24	25	53	162	150	142	100	37	14	10	28	12.5	30	22
20	3320	M25x1.5	G1/4	Rc1/2	Rc3/8	29	28	65	173	161	153	107	41	16	10	30	16	32	23
25	3325	M33x1.5	G3/8	Rc3/4	Rc1/2	33	33	72	196	183	172	119	46	18	10	40	22	41	26

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	
						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.

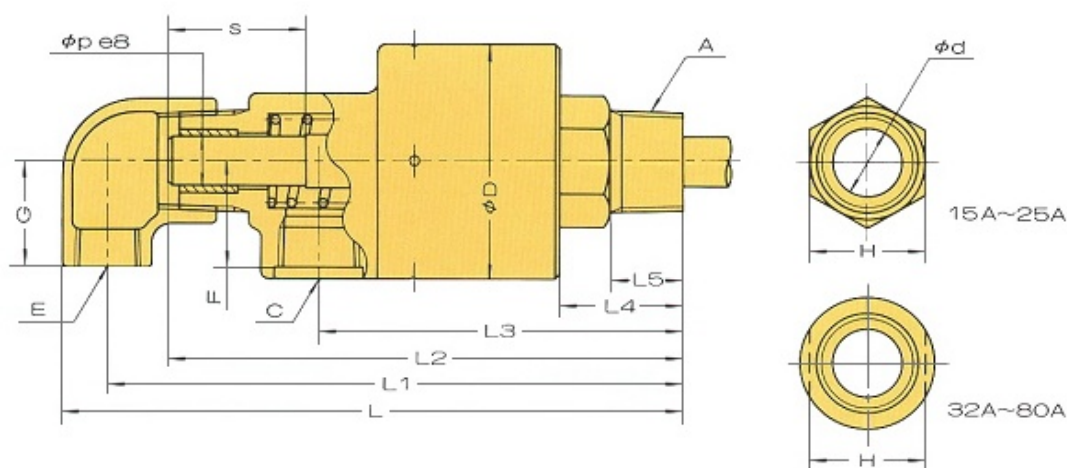
RXC & RXM are the same as RXE & RXH respectively but Casing and Elbow (connection for hose) threads are NPT.

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.

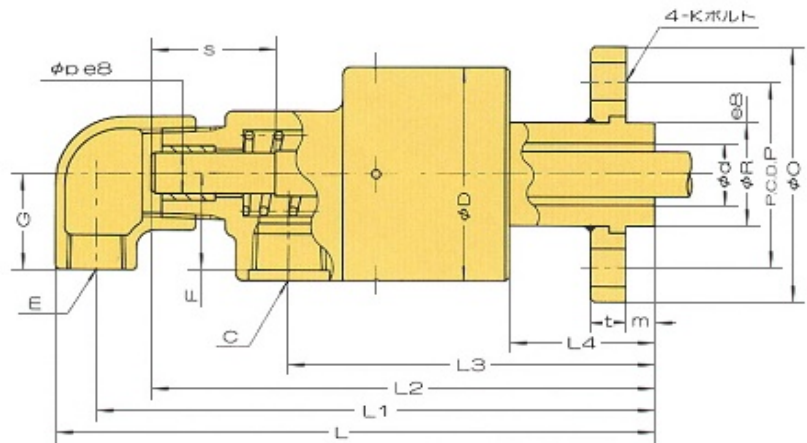
RXC & RXM are the same as RXE & RXH respectively but Casing and Elbow (connection for hose) threads are NPT.

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

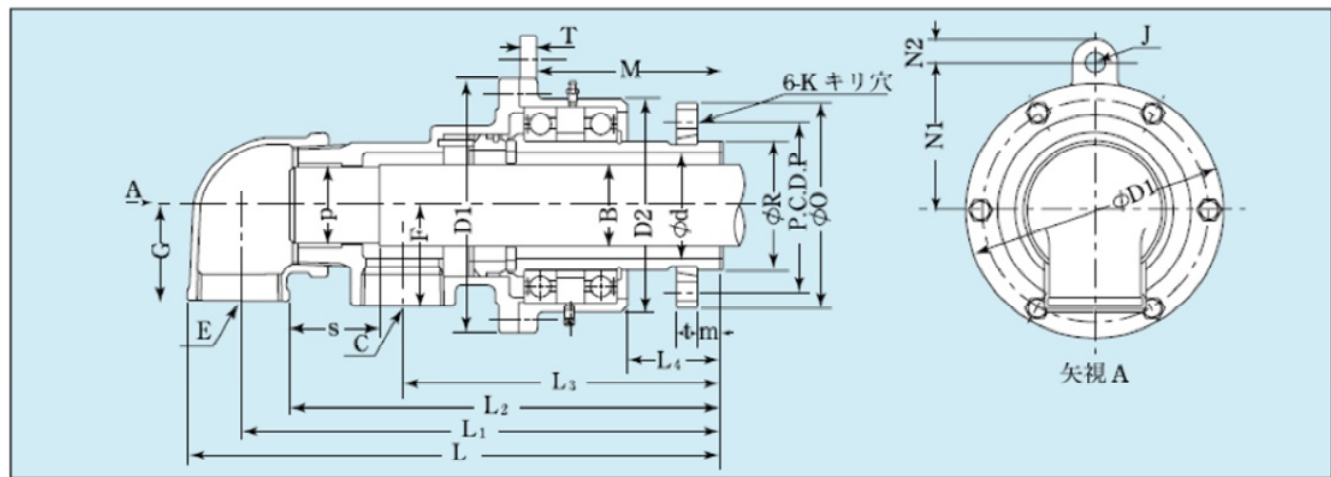


SIZE	CODE	C	E	d	FLANGE DIMENSIONS						F	G	D	L	L1	L2	L3	L4		
					R	O	P	m	t	K									p	s
15	6115	Rc1/2	Rc3/8	12.5	25	62	45	8	10	M8	24	25	53	163	151	138	101	38	10	30
20	6120	Rc1/2	Rc3/8	18	30	74	54	8	12	M10	29	28	65	177	166	151	111	45	13	30
25	6125	Rc3/4	Rc1/2	22	35	80	60	9	12	M10	33	33	72	198	185	168	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

DIMENSIONS
RXK 6000 Duplex, Rotational Internal Pipe: Flange Connection



SIZE	COD	C	E	d	R	O	P	m	t	K	F	G	D1	D2	N1	N
90	6081	Rc2	Rc2	82	100	175	150	15	20	14	80	72	206	172	125	20
100	6082	Rc21/2	Rc21/2	98	120	190	160	20	20	19	95	90	236	202	140	20

SIZE	COD	L	L1	L2	L3	L4	p	s	M	J	B	T
90	6081	419	382	351	260	80	59	70	155	18	60.5	15
100	6082	483	437	392	290	85	75	80	168	18	76.3	16

Electroless nickel plated on rotor (steel)
Electroless nickel plated on head (cast iron)
Sealed with carbon and ceramic
Contact us for further information
The flange connection type is supplied with a copper plate gasket (to be attached on the shaft end)
, along with a stud bolt, nut and washer set.
Since RXK Type has a split ring on the flange, be sure to use a gasket at the end of the shaft.
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.

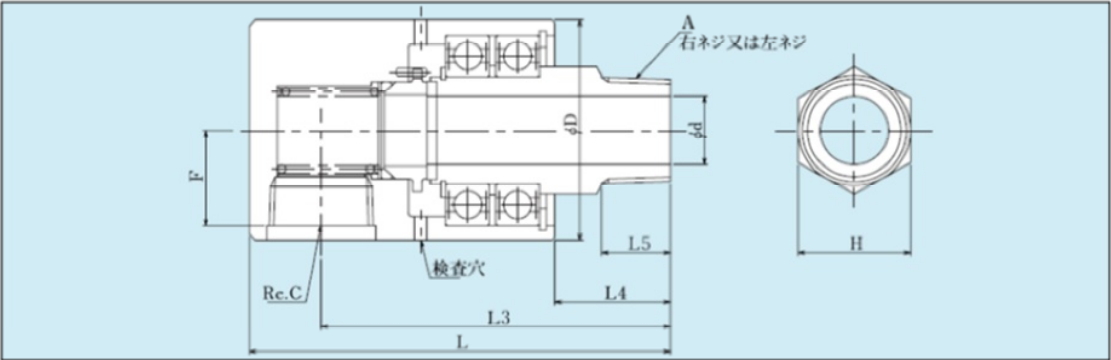
SERVICE CONDITIONS

Fluid	Water, Oil, Air, Gas
Max. Temperature	100 degrees C
Max. Pressure	90A, 100A 0.98MPa
Max. Rotation Speed	90A, 100A 500min ⁻¹

RXE SUS Series

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

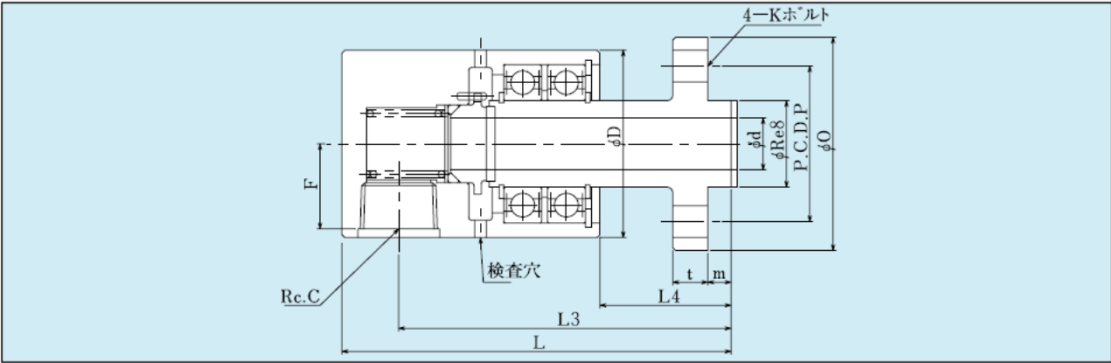
RXE 1000 SUS Simplex, Thread Connection



SIZE	CODE	A	C	F	D	L	L3	L4	L5	d	H
8	1008S	R1/4	Rc1/4	18	39	82	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***	80	36.3	39.2
	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

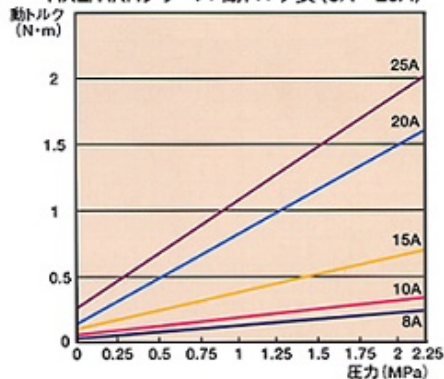
For the dimension specifications of the internal pipes, refer to “SUS304 Pipe dimensions for internal pipes” below.

“SUS304 Pipe dimensions for internal pipes”

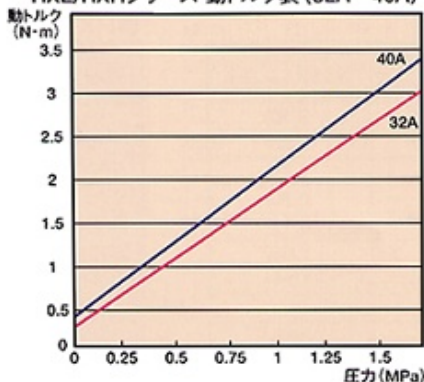
SIZE	Outer diameter / Thickness
6A	φ 10.5xt2.0
8A	φ 13.8xt2.2
10A	φ 17.3xt2.5
15A	φ 21.7xt3.0
20A	φ 27.2xt3.0
25A	φ 34.0xt3.5
32A	φ 42.7xt4.0
40A	φ 48.6xt4.0
50A	φ 60.5xt4.0

DYNAMIC TORQUE GRAPH

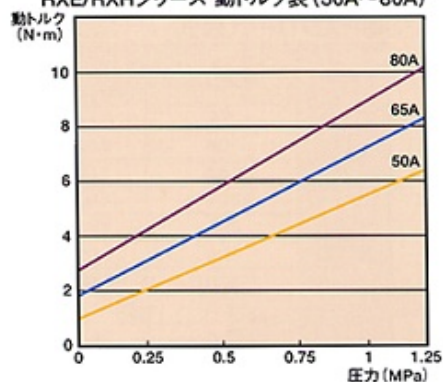
RXE/RXHシリーズ 動トルク表 (8A~25A)



RXE/RXHシリーズ 動トルク表 (32A~40A)



RXE/RXHシリーズ 動トルク表 (50A~80A)



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.

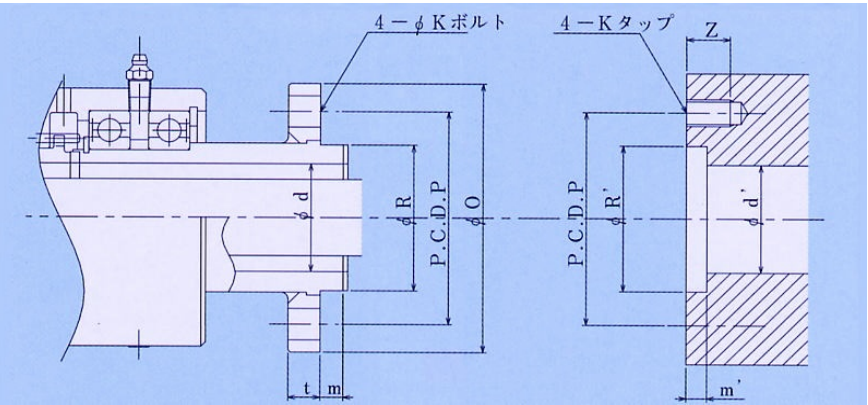
The initial (starting) torque is larger than the dynamic torque.

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	JIS Taper	RXE 10**	RJ-RXE 1008 LH	RE08000200	RXE 30**	RJ-RXE 3015 LH	RE15060211
			RJ-RXE 1008 RH	RE08000100		RJ-RXE 3015 RH	RE15060111
			RJ-RXE 1010 LH	RE10000200		RJ-RXE 3020 LH	RE20080211
			RJ-RXE 1010 RH	RE10000100		RJ-RXE 3020 RH	RE20080111
			RJ-RXE 1015 LH	RE15000200		RJ-RXE 3025 LH	RE25100211
			RJ-RXE 1015 RH	RE15000100		RJ-RXE 3025 RH	RE25100111
			RJ-RXE 1020 LH	RE20000200		RJ-RXE 3032 LH	RE32150211
			RJ-RXE 1020 RH	RE20000100		RJ-RXE 3032 RH	RE32150111
			RJ-RXE 1025 LH	RE25000200		RJ-RXE 3040 LH	RE40200211
			RJ-RXE 1025 RH	RE25000100		RJ-RXE 3040 RH	RE40200111
			RJ-RXE 1032 LH	RE32000200		RJ-RXE 3050 LH	RE50250211
			RJ-RXE 1032 RH	RE32000100		RJ-RXE 3050 RH	RE50250111
			RJ-RXE 1040 LH	RE40000200		RJ-RXE 3065 LH	RE65320211
			RJ-RXE 1040 RH	RE40000100		RJ-RXE 3065 RH	RE65320111
			RJ-RXE 1050 LH	RE50000200		RJ-RXE 3080 LH	RE80400211
			RJ-RXE 1050 RH	RE50000100		RJ-RXE 3080 RH	RE80400111
			RJ-RXE 1065 LH	RE65000200			
			RJ-RXE 1065 RH	RE65000100			
			RJ-RXE 1080 LH	RE80000200			
			RJ-RXE 1080 RH	RE80000100			
	JIS Parallel	RXE 11**	RJ-RXE 1110 LH	RE10001200	RXE 31**	RJ-RXE 3115 LH	RE15061211
			RJ-RXE 1110 RH	RE10001100		RJ-RXE 3115 RH	RE15061111
			RJ-RXE 1115 LH	RE15001200		RJ-RXE 3120 LH	RE20081211
			RJ-RXE 1115 RH	RE15001100		RJ-RXE 3120 RH	RE20081111
			RJ-RXE 1120 LH	RE20001200		RJ-RXE 3125 LH	RE25101211
			RJ-RXE 1120 RH	RE20001100		RJ-RXE 3125 RH	RE25101111
			RJ-RXE 1125 LH	RE25001200		RJ-RXE 3132 LH	RE32151211
			RJ-RXE 1125 RH	RE25001100		RJ-RXE 3132 RH	RE32151111
			RJ-RXE 1132 LH	RE32001200		RJ-RXE 3140 LH	RE40201211
			RJ-RXE 1132 RH	RE32001100		RJ-RXE 3140 RH	RE40201111
			RJ-RXE 1140 LH	RE40001200			
			RJ-RXE 1140 RH	RE40001100			
	ISO Metric	RXE 12**	RJ-RXE 1210 LH	RE10002200	RXE 32**	RJ-RXE 3215 LH	RE15062211
			RJ-RXE 1210 RH	RE10002100		RJ-RXE 3215 RH	RE15062111
			RJ-RXE 1215 LH	RE15002200		RJ-RXE 3220 LH	RE20082211
			RJ-RXE 1215 RH	RE15002100		RJ-RXE 3220 RH	RE20082111
			RJ-RXE 1220 LH	RE20002200		RJ-RXE 3225 LH	RE25102211
			RJ-RXE 1220 RH	RE20002100		RJ-RXE 3225 RH	RE25102111
			RJ-RXE 1225 LH	RE25002200		RJ-RXE 3232 LH	RE32152211
			RJ-RXE 1225 RH	RE25002100		RJ-RXE 3232 RH	RE32152111
			RJ-RXE 1232 LH	RE32002200		RJ-RXE 3240 LH	RE40202211
			RJ-RXE 1232 RH	RE32002100		RJ-RXE 3240 RH	RE40202111
			RJ-RXE 1240 LH	RE40002200			
			RJ-RXE 1240 RH	RE40002100			

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
	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
Flange Connection	RXE 21**	RXE 21**	RJ-RXE 2115	RE15000000	RXE 41**	RJ-RXE 4115	RE15060011
			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	JIS Taper	RXE 50**	RJ-RXE 5015 LH	RE15060284	RXE 50**K	RJ-RXE 5015K LH	RE15060484
			RJ-RXE 5015 RH	RE15060184		RJ-RXE 5015K RH	RE15060384
			RJ-RXE 5020 LH	RE20080284		RJ-RXE 5020K LH	RE20080484
			RJ-RXE 5020 RH	RE20080184		RJ-RXE 5020K RH	RE20080384
			RJ-RXE 5025 LH	RE25100284		RJ-RXE 5025K LH	RE25100484
			RJ-RXE 5025 RH	RE25100184		RJ-RXE 5025K RH	RE25100384
			RJ-RXE 5032 LH	RE32150284		RJ-RXE 5032K LH	RE32150484
			RJ-RXE 5032 RH	RE32150184		RJ-RXE 5032K RH	RE32150384
			RJ-RXE 5040 LH	RE40200284		RJ-RXE 5040K LH	RE40200484
			RJ-RXE 5040 RH	RE40200184		RJ-RXE 5040K RH	RE40200384
			RJ-RXE 5050 LH	RE50250284		RJ-RXE 5050K LH	RE50250484
			RJ-RXE 5050 RH	RE50250184		RJ-RXE 5050K RH	RE50250384
			RJ-RXE 5065 LH	RE65320284		RJ-RXE 5065K LH	RE65320484
			RJ-RXE 5065 RH	RE65320184		RJ-RXE 5065K RH	RE65320384
			RJ-RXE 5080 LH	RE80400285		RJ-RXE 5080K LH	RE80400485
			RJ-RXE 5080 RH	RE80400185		RJ-RXE 5080K RH	RE80400385
	JIS Parallel	RXE 51**	RJ-RXE 5115 LH	RE15061284	RXE 51**K	RJ-RXE 5115K LH	RE15061484
			RJ-RXE 5115 RH	RE15061184		RJ-RXE 5115K RH	RE15061384
			RJ-RXE 5120 LH	RE20081284		RJ-RXE 5120K LH	RE20081484
			RJ-RXE 5120 RH	RE20081184		RJ-RXE 5120K RH	RE20081384
			RJ-RXE 5125 LH	RE25101284		RJ-RXE 5125K LH	RE25101484
			RJ-RXE 5125 RH	RE25101184		RJ-RXE 5125K RH	RE25101384
			RJ-RXE 5132 LH	RE32151284		RJ-RXE 5132K LH	RE32151484
			RJ-RXE 5132 RH	RE32151184		RJ-RXE 5132K RH	RE32151384
			RJ-RXE 5140 LH	RE40201284		RJ-RXE 5140K LH	RE40201484
			RJ-RXE 5140 RH	RE40201184		RJ-RXE 5140K RH	RE40201384
	ISO Metric	RXE 52**	RJ-RXE 5215 LH	RE15062284	RXE 52**K	RJ-RXE 5215K LH	RE15062484
			RJ-RXE 5215 RH	RE15062184		RJ-RXE 5215K RH	RE15062384
			RJ-RXE 5220 LH	RE20082284		RJ-RXE 5220K LH	RE20082484
			RJ-RXE 5220 RH	RE20082184		RJ-RXE 5220K RH	RE20082384
			RJ-RXE 5225 LH	RE25102284		RJ-RXE 5225K LH	RE25102484
			RJ-RXE 5225 RH	RE25102184		RJ-RXE 5225K RH	RE25102384
			RJ-RXE 5232 LH	RE32152284		RJ-RXE 5232K LH	RE32152484
			RJ-RXE 5232 RH	RE32152184		RJ-RXE 5232K RH	RE32152384
			RJ-RXE 5240 LH	RE40202284		RJ-RXE 5240K LH	RE40202484
			RJ-RXE 5240 RH	RE40202184		RJ-RXE 5240K RH	RE40202384

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	RE15062084
			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	JIS Taper	RXH 10**	RJ-RXH 1010 LH	RH10000200	RXH 30**	RJ-RXH 3015 LH	RH15060211
			RJ-RXH 1010 RH	RH10000100		RJ-RXH 3015 RH	RH15060111
			RJ-RXH 1015 LH	RH15000200		RJ-RXH 3020 LH	RH20080211
			RJ-RXH 1015 RH	RH15000100		RJ-RXH 3020 RH	RH20080111
			RJ-RXH 1020 LH	RH20000200		RJ-RXH 3025 LH	RH25100211
			RJ-RXH 1020 RH	RH20000100		RJ-RXH 3025 RH	RH25100111
			RJ-RXH 1025 LH	RH25000200		RJ-RXH 3032 LH	RH32150211
			RJ-RXH 1025 RH	RH25000100		RJ-RXH 3032 RH	RH32150111
			RJ-RXH 1032 LH	RH32000200		RJ-RXH 3040 LH	RH40200211
			RJ-RXH 1032 RH	RH32000100		RJ-RXH 3040 RH	RH40200111
			RJ-RXH 1040 LH	RH40000200		RJ-RXH 3050 LH	RH50250211
			RJ-RXH 1040 RH	RH40000100		RJ-RXH 3050 RH	RH50250111
			RJ-RXH 1050 LH	RH50000200		RJ-RXH 3065 LH	RH65320211
			RJ-RXH 1050 RH	RH50000100		RJ-RXH 3065 RH	RH65320111
			RJ-RXH 1065 LH	RH65000200		RJ-RXH 3080 LH	RH80400211
			RJ-RXH 1065 RH	RH65000100		RJ-RXH 3080 RH	RH80400111
			RJ-RXH 1080 LH	RH80000200			
			RJ-RXH 1080 RH	RH80000100			
	JIS Parallel	RXH 11**	RJ-RXH 1110 LH	RH10001200	RXH 31**	RJ-RXH 3115 LH	RH15061211
			RJ-RXH 1110 RH	RH10001100		RJ-RXH 3115 RH	RH15061111
			RJ-RXH 1115 LH	RH15001200		RJ-RXH 3120 LH	RH20081211
			RJ-RXH 1115 RH	RH15001100		RJ-RXH 3120 RH	RH20081111
			RJ-RXH 1120 LH	RH20001200		RJ-RXH 3125 LH	RH25101211
			RJ-RXH 1120 RH	RH20001100		RJ-RXH 3125 RH	RH25101111
			RJ-RXH 1125 LH	RH25001200		RJ-RXH 3132 LH	RH32151211
			RJ-RXH 1125 RH	RH25001100		RJ-RXH 3132 RH	RH32151111
			RJ-RXH 1132 LH	RH32001200		RJ-RXH 3140 LH	RH40201211
			RJ-RXH 1132 RH	RH32001100		RJ-RXH 3140 RH	RH40201111
			RJ-RXH 1140 LH	RH40001200			
			RJ-RXH 1140 RH	RH40001100			
	ISO Metric	RXH 12**	RJ-RXH 1210 LH	RH10002200	RXH 32**	RJ-RXH 3215 LH	RH15062211
			RJ-RXH 1210 RH	RH10002100		RJ-RXH 3215 RH	RH15062111
			RJ-RXH 1215 LH	RH15002200		RJ-RXH 3220 LH	RH20082211
			RJ-RXH 1215 RH	RH15002100		RJ-RXH 3220 RH	RH20082111
			RJ-RXH 1220 LH	RH20002200		RJ-RXH 3225 LH	RH25102211
			RJ-RXH 1220 RH	RH20002100		RJ-RXH 3225 RH	RH25102111
			RJ-RXH 1225 LH	RH25002200		RJ-RXH 3232 LH	RH32152211
			RJ-RXH 1225 RH	RH25002100		RJ-RXH 3232 RH	RH32152111
			RJ-RXH 1232 LH	RH32002200		RJ-RXH 3240 LH	RH40202211
			RJ-RXH 1232 RH	RH32002100		RJ-RXH 3240 RH	RH40202111
			RJ-RXH 1240 LH	RH40002200			
			RJ-RXH 1240 RH	RH40002100			

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**	RXH 41**	RJ-RXH 2115	RH15000000		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	JIS Taper	RXH 50**	RJ-RXH 5015 LH	RH15060284	RXH 50**K	RJ-RXH 5015K LH	RH15060484
			RJ-RXH 5015 RH	RH15060184		RJ-RXH 5015K RH	RH15060384
			RJ-RXH 5020 LH	RH20080284		RJ-RXH 5020K LH	RH20080484
			RJ-RXH 5020 RH	RH20080184		RJ-RXH 5020K RH	RH20080384
			RJ-RXH 5025 LH	RH25100284		RJ-RXH 5025K LH	RH25100484
			RJ-RXH 5025 RH	RH25100184		RJ-RXH 5025K RH	RH25100384
			RJ-RXH 5032 LH	RH32150284		RJ-RXH 5032K LH	RH32150484
			RJ-RXH 5032 RH	RH32150184		RJ-RXH 5032K RH	RH32150384
			RJ-RXH 5040 LH	RH40200284		RJ-RXH 5040K LH	RH40200484
			RJ-RXH 5040 RH	RH40200184		RJ-RXH 5040K RH	RH40200384
			RJ-RXH 5050 LH	RH50250284		RJ-RXH 5050K LH	RH50250484
			RJ-RXH 5050 RH	RH50250184		RJ-RXH 5050K RH	RH50250384
			RJ-RXH 5065 LH	RH65320284		RJ-RXH 5065K LH	RH65320484
			RJ-RXH 5065 RH	RH65320184		RJ-RXH 5065K RH	RH65320384
			RJ-RXH 5080 LH	RH80400285		RJ-RXH 5080K LH	RH80400485
			RJ-RXH 5080 RH	RH80400185		RJ-RXH 5080K RH	RH80400385
	JIS Parallel	RXH 51**	RJ-RXH 5115 LH	RH15061284	RXH 51**K	RJ-RXH 5115K LH	RH15061484
			RJ-RXH 5115 RH	RH15061184		RJ-RXH 5115K RH	RH15061384
			RJ-RXH 5120 LH	RH20081284		RJ-RXH 5120K LH	RH20081484
			RJ-RXH 5120 RH	RH20081184		RJ-RXH 5120K RH	RH20081384
			RJ-RXH 5125 LH	RH25101284		RJ-RXH 5125K LH	RH25101484
			RJ-RXH 5125 RH	RH25101184		RJ-RXH 5125K RH	RH25101384
			RJ-RXH 5132 LH	RH32151284		RJ-RXH 5132K LH	RH32151484
			RJ-RXH 5132 RH	RH32151184		RJ-RXH 5132K RH	RH32151384
			RJ-RXH 5140 LH	RH40201284		RJ-RXH 5140K LH	RH40201484
			RJ-RXH 5140 RH	RH40201184		RJ-RXH 5140K RH	RH40201384
	ISO Metric	RXH 52**	RJ-RXH 5215 LH	RH15062284	RXH 52**K	RJ-RXH 5215K LH	RH15062484
			RJ-RXH 5215 RH	RH15062184		RJ-RXH 5215K RH	RH15062384
			RJ-RXH 5220 LH	RH20082284		RJ-RXH 5220K LH	RH20082484
			RJ-RXH 5220 RH	RH20082184		RJ-RXH 5220K RH	RH20082384
			RJ-RXH 5225 LH	RH25102284		RJ-RXH 5225K LH	RH25102484
			RJ-RXH 5225 RH	RH25102184		RJ-RXH 5225K RH	RH25102384
			RJ-RXH 5232 LH	RH32152284		RJ-RXH 5232K LH	RH32152484
			RJ-RXH 5232 RH	RH32152184		RJ-RXH 5232K RH	RH32152384
			RJ-RXH 5240 LH	RH40202284		RJ-RXH 5240K LH	RH40202484
			RJ-RXH 5240 RH	RH40202184		RJ-RXH 5240K RH	RH40202384

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	
Flange Connection	ISO Metric		ask			ask	
	Metric w/Pilot		ask			ask	
	NPT		ask			ask	
	UNF		ask			ask	
		RXE 21**S	RJ-RXE 2115S	RS15000000		ask	
			RJ-RXE 2120S	RS20000000			
			RJ-RXE 2125S	RS25000000			

Table of RXE-SUS series

		Duplex, Rotatory Internal Pipe					
		Rotor Without Key Seat			Rotor With Key Seat		
		Type	Name	Our Code	Type	Name	Our Code
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, Rotatory Internal Pipe					
		Rotor Without Key Seat			Rotor With Key Seat		
		Type	Name	Our Code	Type	Name	Our Code
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. The joint should not run dry (without liquid). When air service, mix oil mist into the air to avoid dry operation.
 12. Do not leave the rotary joint at rest for long periods of time. This may cause fluid leaks due to the formation of rust.
 13. 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.

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", "ONG", "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



The contents of this catalog subject to change without notice.

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