MODEL

SS400
SERIES

Rotary Joint for Water & General Purpose

High-performance rotary joint designed for reliable water transfer from stationary supply lines to rotating machine components. Stainless-steel housing and rotor with a balanced mechanical sealing system provide stable operation and long service life.



APPLICATIONS

- Cooling Rolls
- Rubber & Plastics
- Printing & Textile
- Paper Converting
- General Machinery

OPERATING CONDITIONS

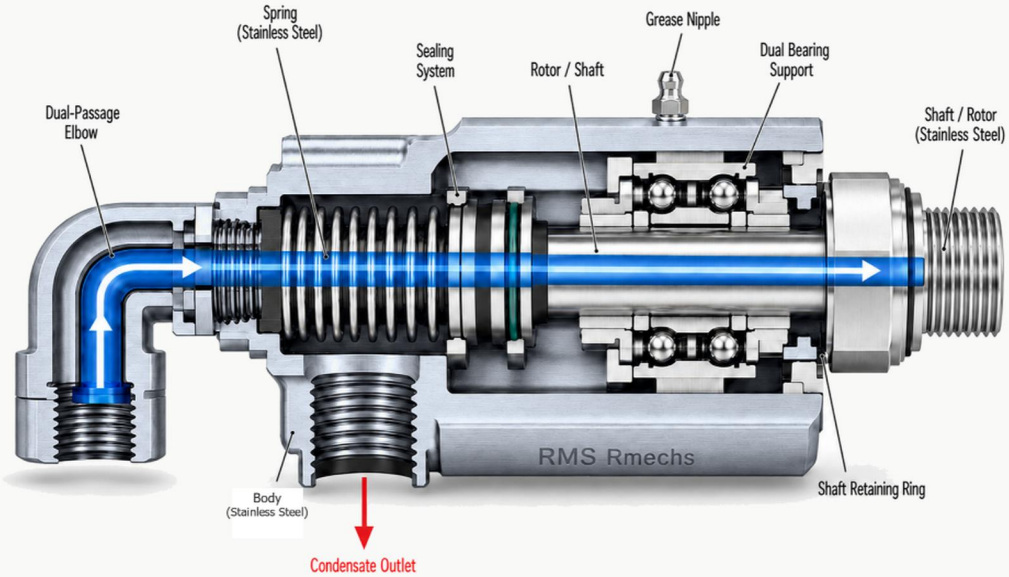
Max. Pressure	**50 bar**
Max. Temp.	**120 °C**
Max. Speed	**3,500 rpm**
Media	**Water**

SEALING SYSTEM

Primary Seal	SiC
Counterface	SiC
O-Ring	NBR
Spring	Stainless
Seal Design	Balanced

KEY FEATURES

- Stainless Steel Housing
- Stainless Rotor
- Dual Ball Bearings
- Machined Components
- Multiple Thread Types



For data security reasons, the internal sealing arrangement is shown for illustrative purposes only.

BEARING SYSTEM

Dual ball bearings for smooth rotation and long service life.

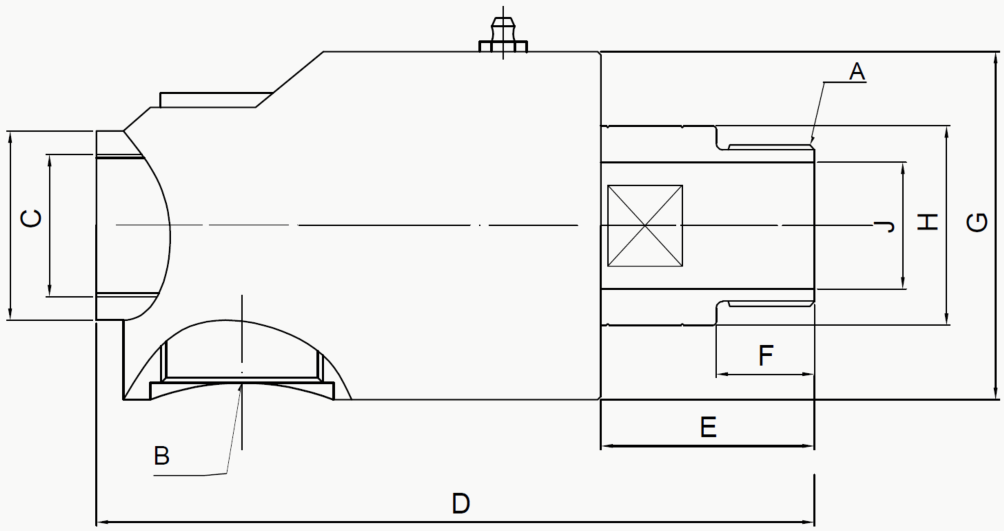
SEAL ARRANGEMENT

SiC-SiC, Carbon-SiC and Tungsten seal options.

CONNECTION DETAILS

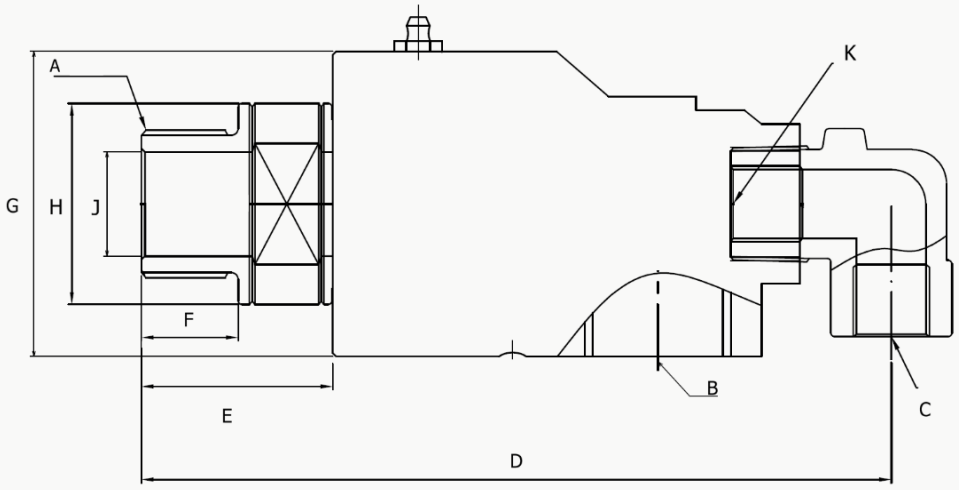
BSPT, BSPP, NPT, Metric and UNF thread options.

Note:
- Maximum values do not apply simultaneously.
- Verify model selection for the actual application.



Code	T.D.	T.Type	A	B	C	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	Weight
SS410-111-110	RH	BSPP	3/8"	3/8"	1/4"	100.0	26.5	16.0	44.0	30.5	15.0	0.6
SS410-111-111	LH											
SS410-111-210	RH	BSPT										
SS410-111-211	LH											
SS410-111-310	RH	NPT										
SS410-111-311	LH											
SS415-111-115	RH	BSPP	1/2"	1/2"	1/4"	118.9	22.8	17.5	58.0	34.3	17.5	1.2
SS415-111-116	LH											
SS415-111-215	RH	BSPT										
SS415-111-216	LH											
SS415-111-315	RH	NPT										
SS415-111-316	LH											
SS420-111-120	RH	BSPP	3/4"	3/4"	1/4"	137.7	19.0	19.0	72.0	38.0	20.0	2.1
SS420-111-121	LH											
SS420-111-220	RH	BSPT										
SS420-111-221	LH											
SS420-111-320	RH	NPT										
SS420-111-321	LH											
SS425-111-125	RH	BSPP	1"	1"	3/4"	159.6	34.1	22.8	70.3	46.3	24.2	3.1
SS425-111-126	LH											
SS425-111-225	RH	BSPT										
SS425-111-226	LH											
SS425-111-325	RH	NPT										
SS425-111-326	LH											
SS432-111-132	RH	BSPP	1-1/4"	1-1/4"	1"	190.3	55.3	28.0	68.0	58.0	30.0	4.1
SS432-111-133	LH											
SS432-111-232	RH	BSPT										
SS432-111-233	LH											
SS432-111-332	RH	NPT										
SS432-111-333	LH											
SS440-111-140	RH	BSPP	1 1/2"	1 1/2"	1 1/4"	212.0	63.0	29.0	107.0	59.0	37.5	6.7
SS440-111-141	LH											
SS440-111-240	RH	BSPT										
SS440-111-241	LH											
SS440-111-340	RH	NPT										
SS440-111-341	LH											
SS450-111-150	RH	BSPP	2"	2"	1 1/2"	239.7	71.2	31.4	123.7	68.2	46.9	7.6
SS450-111-151	LH											
SS450-111-250	RH	BSPT										
SS450-111-251	LH											
SS450-111-350	RH	NPT										
SS450-111-351	LH											

- All dimensions are in millimeters.
- Drawing not to scale.



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SS410-111-110 D	RH	BSPP	3/8″	3/8″	1/4″	100	26.5	16	44	30.5	15	1/4″	0.6
SS410-111-111 D	LH												
SS410-111-210 D	RH	BSPT											
SS410-111-211 D	LH												
SS410-111-310 D	RH	NPT											
SS410-111-311 D	LH												
SS415-111-115 D	RH	BSPP	1/2″	1/2″	1/4″	118.9	22.8	17.5	58	34.3	17.5	1/4″	1.2
SS415-111-116 D	LH												
SS415-111-215 D	RH	BSPT											
SS415-111-216 D	LH												
SS415-111-315 D	RH	NPT											
SS415-111-316 D	LH												
SS420-111-120 D	RH	BSPP	3/4″	3/4″	1/4″	137.7	19	19	72	38	20	1/4″	2.1
SS420-111-121 D	LH												
SS420-111-220 D	RH	BSPT											
SS420-111-221 D	LH												
SS420-111-320 D	RH	NPT											
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SS432-111-333 D	LH												
SS440-111-140 D	RH	BSPP	1 1/2"	1 1/2"	1 1/4"	212	63	29	107	59	37.5	1 1/4"	6.7
SS440-111-141 D	LH												
SS440-111-240 D	RH	BSPT											
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SS450-111-251 D	LH												
SS450-111-350 D	RH	NPT											
SS450-111-351 D	LH												

• All dimensions are in millimeters. • Drawing not to scale. * Please contact us for models with a rotating siphon pipe connection. * Please contact us for flanged connections or alternative thread-type variations.