MODEL

W7000
SERIES

Rotary Joint for Water & General Purpose

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



APPLICATIONS

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

OPERATING CONDITIONS

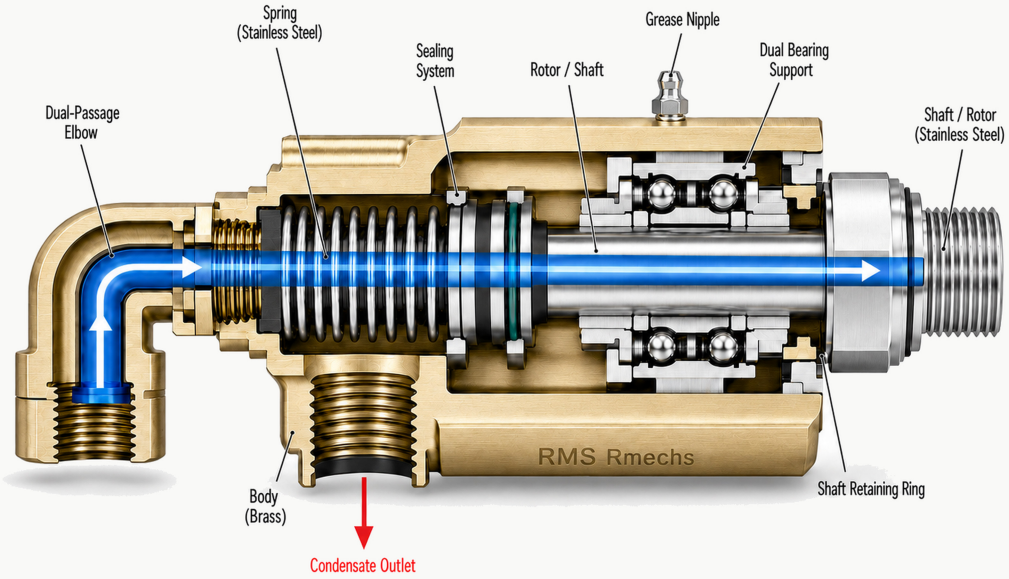
Max. Pressure	**50 bar**
Max. Temp.	**120 °C**
Max. Speed	**3,500 rpm**
Media	**Water**

SEALING SYSTEM

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

KEY FEATURES

- Brass 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.

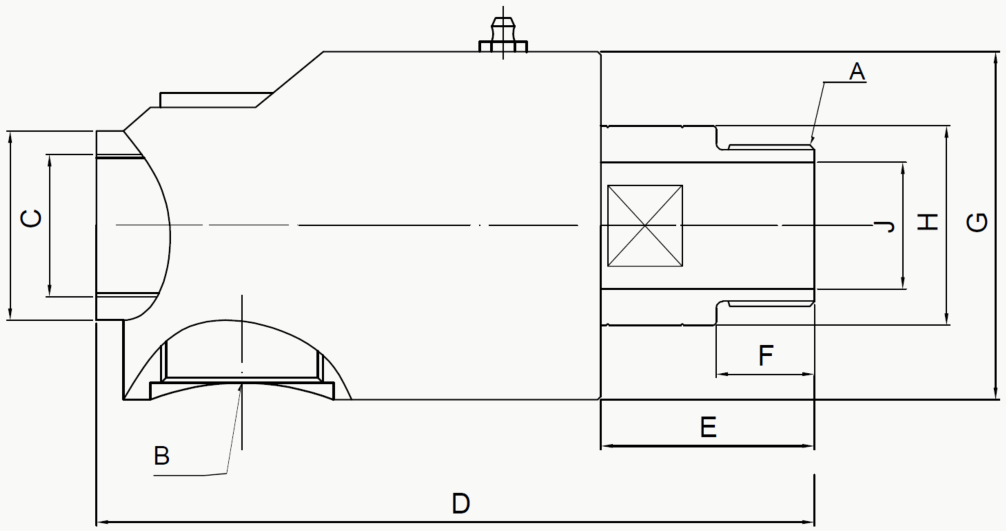
SEAL ARRANGEMENT

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

CONNECTION DETAILS

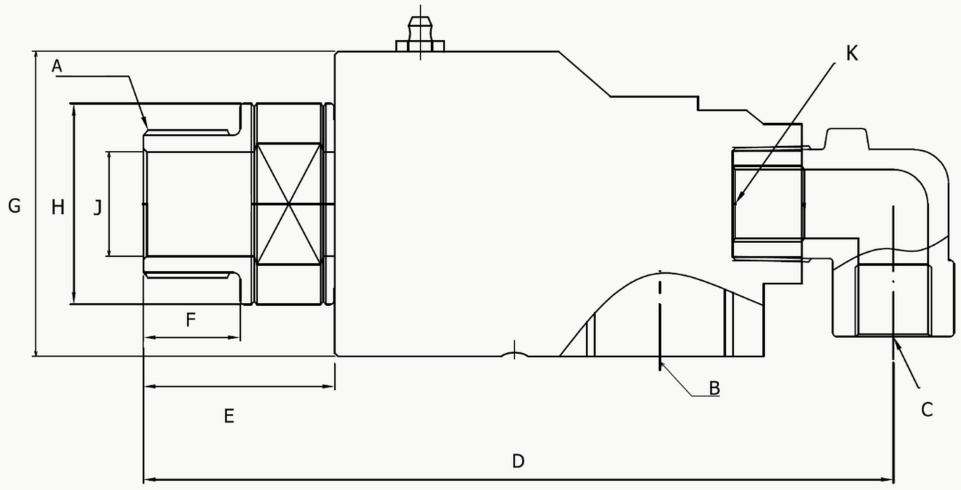
BSPT, BSPP, NPT, Metric and UNF thread options.

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
W7010-111-110	RH	BSPP	3/8"	3/8"	1/4"	100.0	26.5	16.0	44.0	30.5	15.0	0.6
W7010-111-111	LH											
W7010-111-210	RH	BSPT										
W7010-111-211	LH											
W7010-111-310	RH	NPT										
W7010-111-311	LH											
W7015-111-115	RH	BSPP	1/2"	1/2"	1/4"	118.9	22.8	17.5	58.0	34.3	17.5	1.2
W7015-111-116	LH											
W7015-111-215	RH	BSPT										
W7015-111-216	LH											
W7015-111-315	RH	NPT										
W7015-111-316	LH											
W7020-111-120	RH	BSPP	3/4"	3/4"	1/4"	137.7	19.0	19.0	72.0	38.0	20.0	2.1
W7020-111-121	LH											
W7020-111-220	RH	BSPT										
W7020-111-221	LH											
W7020-111-320	RH	NPT										
W7020-111-321	LH											
W7025-111-125	RH	BSPP	1"	1"	3/4"	159.6	34.1	22.8	70.3	46.3	24.2	3.1
W7025-111-126	LH											
W7025-111-225	RH	BSPT										
W7025-111-226	LH											
W7025-111-325	RH	NPT										
W7025-111-326	LH											
W7032-111-132	RH	BSPP	1-1/4"	1-1/4"	1"	190.3	55.3	28.0	68.0	58.0	30.0	4.1
W7032-111-133	LH											
W7032-111-232	RH	BSPT										
W7032-111-233	LH											
W7032-111-332	RH	NPT										
W7032-111-333	LH											
W7040-111-140	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
W7040-111-141	LH											
W7040-111-240	RH	BSPT										
W7040-111-241	LH											
W7040-111-340	RH	NPT										
W7040-111-341	LH											
W7050-111-150	RH	BSPP	2"	2"	1 1/2"	239.7	71.2	31.4	123.7	68.2	46.9	7.6
W7050-111-151	LH											
W7050-111-250	RH	BSPT										
W7050-111-251	LH											
W7050-111-350	RH	NPT										
W7050-111-351	LH											

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



Code	T.D.	T.Type	A	B	C	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	Weight
W7010-111-110 D	RH	BSPP	3/8″	3/8″	1/4″	100	26.5	16	44	30.5	15	1/4″	0.6
W7010-111-111 D	LH												
W7010-111-210 D	RH	BSPT											
W7010-111-211 D	LH												
W7010-111-310 D	RH	NPT											
W7010-111-311 D	LH												
W7015-111-115 D	RH	BSPP	1/2″	1/2″	1/4″	118.9	22.8	17.5	58	34.3	17.5	1/4″	1.2
W7015-111-116 D	LH												
W7015-111-215 D	RH	BSPT											
W7015-111-216 D	LH												
W7015-111-315 D	RH	NPT											
W7015-111-316 D	LH												
W7020-111-120 D	RH	BSPP	3/4″	3/4″	1/4″	137.7	19	19	72	38	20	1/4″	2.1
W7020-111-121 D	LH												
W7020-111-220 D	RH	BSPT											
W7020-111-221 D	LH												
W7020-111-320 D	RH	NPT											
W7020-111-321 D	LH												
W7025-111-125 D	RH	BSPP	1″	1″	3/4″	159.6	34.1	22.8	70.3	46.3	24.2	3/4″	3.1
W7025-111-126 D	LH												
W7025-111-225 D	RH	BSPT											
W7025-111-226 D	LH												
W7025-111-325 D	RH	NPT											
W7025-111-326 D	LH												
W7032-111-132 D	RH	BSPP	1-1/4″	1-1/4″	1″	190.3	55.3	28	68	58	30	1″	4.1
W7032-111-133 D	LH												
W7032-111-232 D	RH	BSPT											
W7032-111-233 D	LH												
W7032-111-332 D	RH	NPT											
W7032-111-333 D	LH												
W7040-111-140 D	RH	BSPP	1 1/2"	1 1/2"	1 1/4"	212	63	29	107	59	37.5	1 1/4"	6.7
W7040-111-141 D	LH												
W7040-111-240 D	RH	BSPT											
W7040-111-241 D	LH												
W7040-111-340 D	RH	NPT											
W7040-111-341 D	LH												
W7050-111-150 D	RH	BSPP	2″	2″	1 1/2"	239.7	71.2	31.4	123.7	68.2	46.9	1 1/2"	7.6
W7050-111-151 D	LH												
W7050-111-250 D	RH	BSPT											
W7050-111-251 D	LH												
W7050-111-350 D	RH	NPT											
W7050-111-351 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.

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

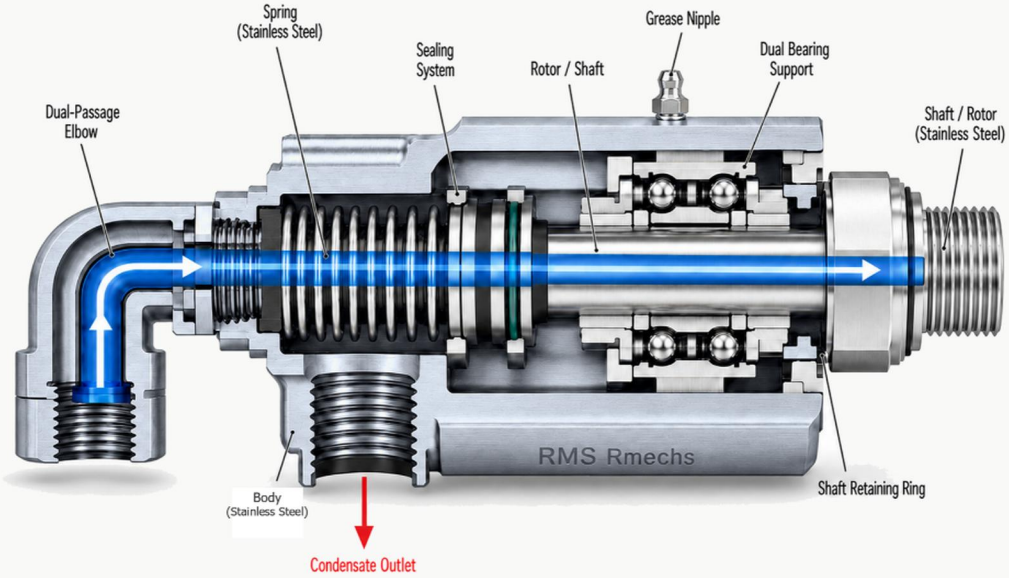
Max. Pressure	**50 bar**
Max. Temp.	**120 °C**
Max. Speed	**3,500 rpm**
Media	**Water**

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.

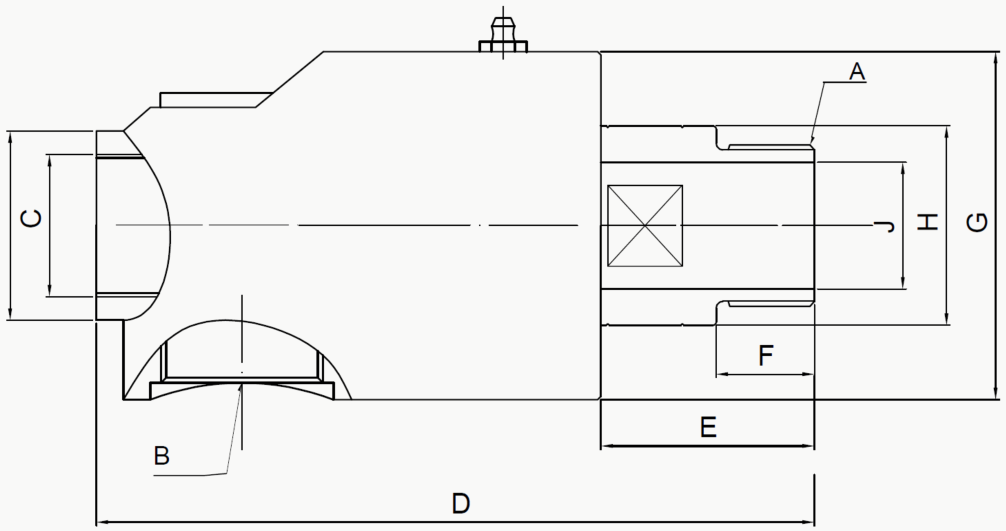
SEAL ARRANGEMENT

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

CONNECTION DETAILS

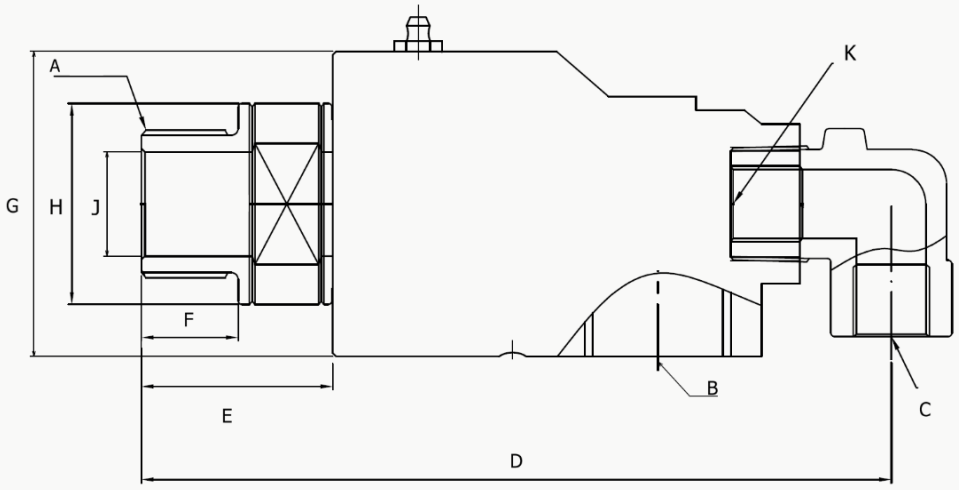
BSPT, BSPP, NPT, Metric and UNF thread options.

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
SS400-111-110	RH	BSPP	3/8"	3/8"	1/4"	100.0	26.5	16.0	44.0	30.5	15.0	0.6
SS400-111-111	LH											
SS400-111-210	RH	BSPT										
SS400-111-211	LH											
SS400-111-310	RH	NPT										
SS400-111-311	LH											
SS400-111-115	RH	BSPP	1/2"	1/2"	1/4"	118.9	22.8	17.5	58.0	34.3	17.5	1.2
SS400-111-116	LH											
SS400-111-215	RH	BSPT										
SS400-111-216	LH											
SS400-111-315	RH	NPT										
SS400-111-316	LH											
SS400-111-120	RH	BSPP	3/4"	3/4"	1/4"	137.7	19.0	19.0	72.0	38.0	20.0	2.1
SS400-111-121	LH											
SS400-111-220	RH	BSPT										
SS400-111-221	LH											
SS400-111-320	RH	NPT										
SS400-111-321	LH											
SS400-111-125	RH	BSPP	1"	1"	3/4"	159.6	34.1	22.8	70.3	46.3	24.2	3.1
SS400-111-126	LH											
SS400-111-225	RH	BSPT										
SS400-111-226	LH											
SS400-111-325	RH	NPT										
SS400-111-326	LH											
SS400-111-132	RH	BSPP	1-1/4"	1-1/4"	1"	190.3	55.3	28.0	68.0	58.0	30.0	4.1
SS400-111-133	LH											
SS400-111-232	RH	BSPT										
SS400-111-233	LH											
SS400-111-332	RH	NPT										
SS400-111-333	LH											
SS400-111-140	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
SS400-111-141	LH											
SS400-111-240	RH	BSPT										
SS400-111-241	LH											
SS400-111-340	RH	NPT										
SS400-111-341	LH											
SS400-111-150	RH	BSPP	2"	2"	1 1/2"	239.7	71.2	31.4	123.7	68.2	46.9	7.6
SS400-111-151	LH											
SS400-111-250	RH	BSPT										
SS400-111-251	LH											
SS400-111-350	RH	NPT										
SS400-111-351	LH											

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



Code	T.D.	T.Type	A	B	C	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)	Weight
SS400-111-110 D	RH	BSPP	3/8″	3/8″	1/4″	100	26.5	16	44	30.5	15	1/4″	0.6
SS400-111-111 D	LH												
SS400-111-210 D	RH	BSPT											
SS400-111-211 D	LH												
SS400-111-310 D	RH	NPT											
SS400-111-311 D	LH												
SS400-111-115 D	RH	BSPP	1/2″	1/2″	1/4″	118.9	22.8	17.5	58	34.3	17.5	1/4″	1.2
SS400-111-116 D	LH												
SS400-111-215 D	RH	BSPT											
SS400-111-216 D	LH												
SS400-111-315 D	RH	NPT											
SS400-111-316 D	LH												
SS400-111-120 D	RH	BSPP	3/4″	3/4″	1/4″	137.7	19	19	72	38	20	1/4″	2.1
SS400-111-121 D	LH												
SS400-111-220 D	RH	BSPT											
SS400-111-221 D	LH												
SS400-111-320 D	RH	NPT											
SS400-111-321 D	LH												
SS400-111-125 D	RH	BSPP	1″	1″	3/4″	159.6	34.1	22.8	70.3	46.3	24.2	3/4″	3.1
SS400-111-126 D	LH												
SS400-111-225 D	RH	BSPT											
SS400-111-226 D	LH												
SS400-111-325 D	RH	NPT											
SS400-111-326 D	LH												
SS400-111-132 D	RH	BSPP	1-1/4″	1-1/4″	1″	190.3	55.3	28	68	58	30	1″	4.1
SS400-111-133 D	LH												
SS400-111-232 D	RH	BSPT											
SS400-111-233 D	LH												
SS400-111-332 D	RH	NPT											
SS400-111-333 D	LH												
SS400-111-140 D	RH	BSPP	1 1/2"	1 1/2"	1 1/4"	212	63	29	107	59	37.5	1 1/4"	6.7
SS400-111-141 D	LH												
SS400-111-240 D	RH	BSPT											
SS400-111-241 D	LH												
SS400-111-340 D	RH	NPT											
SS400-111-341 D	LH												
SS400-111-150 D	RH	BSPP	2″	2″	1 1/2"	239.7	71.2	31.4	123.7	68.2	46.9	1 1/2"	7.6
SS400-111-151 D	LH												
SS400-111-250 D	RH	BSPT											
SS400-111-251 D	LH												
SS400-111-350 D	RH	NPT											
SS400-111-351 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.

MODEL

CS500

SERIES

Rotary Joint for Water & General Purpose

High-performance rotary joint designed for reliable water transfer from stationary supply lines to rotating machine components. Phosphate-coated steel housing, stainless-steel rotor and balanced mechanical sealing 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**

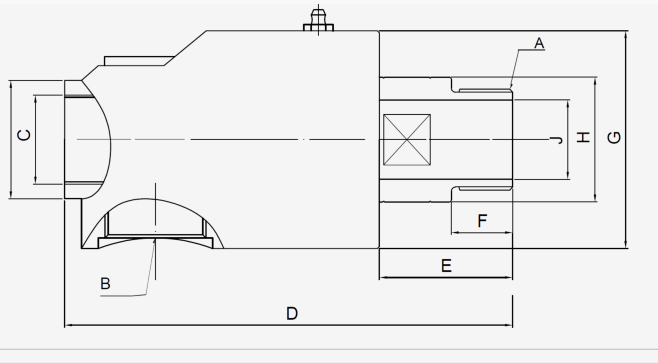
SEALING SYSTEM

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

KEY FEATURES

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

DIMENSIONS & TECHNICAL DRAWING



Code	T.D.	T.Type	A	B	C	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	Weight
CS532-111-532	RH	BSPP	1-1/4"	1-1/4"	1"	190.3	55.3	28.0	68.0	58.0	30.0	4.1
CS532-111-533	LH											
CS532-111-632	RH	BSPT										
CS532-111-633	LH											
CS532-111-732	RH	NPT										
CS532-111-733	LH											
CS540-111-542	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
CS540-111-543	LH											
CS540-111-642	RH	BSPT										
CS540-111-643	LH											
CS540-111-642	RH	NPT										
CS540-111-643	LH											
CS550-111-550	RH	BSPP	2"	2"	1-1/2"	239.7	71.2	31.4	123.7	68.2	46.9	7.6
CS550-111-551	LH											
CS550-111-650	RH	BSPT										
CS550-111-651	LH											
CS550-111-750	RH	NPT										
CS550-111-751	LH											

i All dimensions are in millimeters. Drawing not to scale. Verify model selection for the actual application.

MODEL

WB1000

SERIES

Rotary Joint for Water Applications

WB1000 transfers water from stationary supply lines to rotating equipment. Its nodular cast iron housing, steel shaft and RSiC-RSiC mechanical sealing arrangement are designed for water service. Operating conditions: 17 bar, 80 degrees C and 750 rpm.



APPLICATIONS

- Water transfer
- Rotating equipment
- Process machinery
- Water circulation
- General machinery

OPERATING CONDITIONS

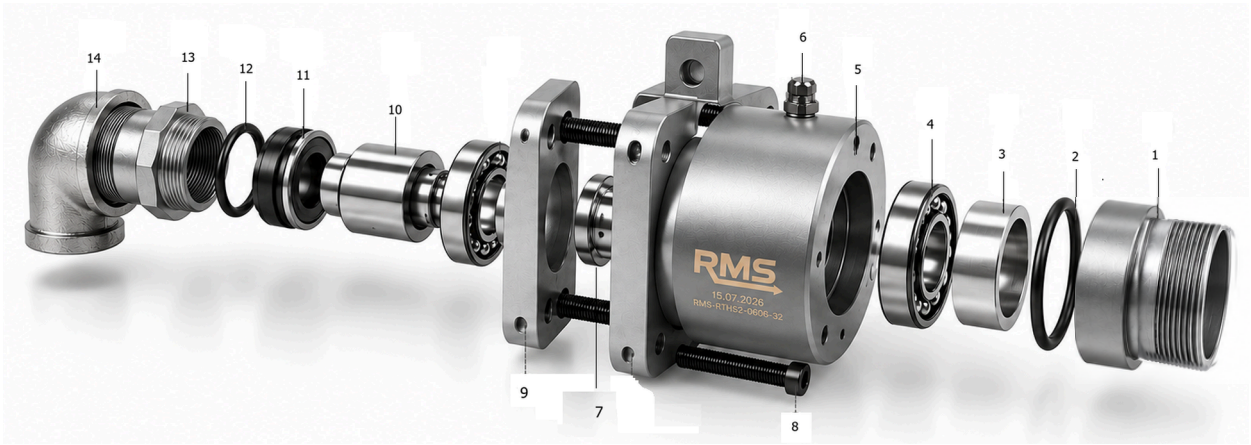
Max. Pressure	**17 bar**
Max. Temp.	**80 deg C**
Max. Speed	**750 rpm**
Media	**Water**

SEALING SYSTEM

Primary Seal	RSiC
Counterface	RSiC
Seal Design	Mechanical

KEY FEATURES

- Nodular Cast Iron Body
- Steel Shaft
- Dual Ball Bearings
- Rotating Siphon Pipe
- RSiC-RSiC Seals



PARTS LIST

No.	Part Name	Material	Note
1	Rotor / Shaft	Stainless Steel	Precision Machined
2	O-Ring	FKM / NBR / EPDM	Sealing Element
3	Bushing	Stainless Steel	Shrink Fit
4	Ball Bearing	Steel	High Speed
5	Housing / Body	Carbon Steel	Hard Coated
6	Grease Nipple	Steel	Maintenance
7	Mechanical Seal	Carbon / SiC	Primary Seal
8	Socket Bolt	Alloy Steel	DIN 912
9	End Cover / Outlet	Carbon Steel	Threaded (BSPT / NPT)
10	Rotor / Shaft	Stainless Steel	Precision Machined
11	Mechanical Seal	Carbon / SiC	Primary Seal
12	O-Ring	FKM / NBR / EPDM	Sealing Element
13	Connector	Steel	Threaded (BSPT / NPT)
14	Union Elbow	Stainless Steel	BSPT / NPT / Optional

BEARING SYSTEM

Dual ball bearings for smooth rotation and long service life.

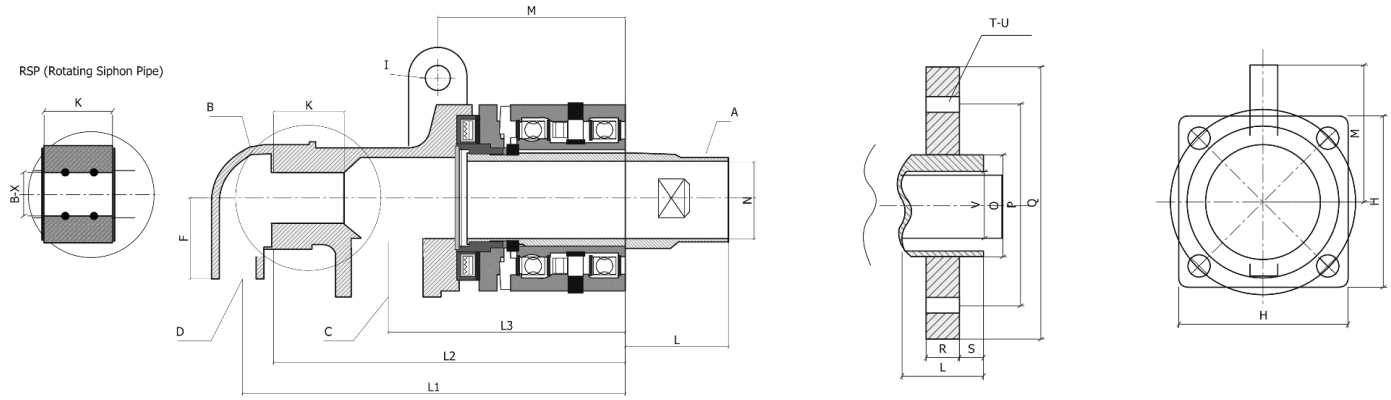
SEAL ARRANGEMENT

RSiC-RSiC mechanical sealing for water service.

CONNECTION DETAILS

Thread and flange dimensions as specified on Page 9.

Note: For data security reasons, the internal parts arrangement is shown for illustrative purposes only.



CONNECTIONS

DN	Model	A	B	C	D
25	WB1000-25-10	R1	Rp3/8	Rc3/4	Rc1/2
32	WB1000-32-15	R1-1/4	Rp1/2	Rc1	Rc1/2
40	WB1000-40-20	R1-1/2	Rp3/4	Rc1-1/4	Rc3/4
50	WB1000-50-25	R2	Rp1	Rc1-1/2	Rc1
65	WB1000-65-32(40)	R2-1/2	Rp1-1/4 (Rp1-1/2)	Rc1-1/2	Rc1-1/4 (Rc1-1/2)
80	WB1000-80-40(50)	R3	Rp1-1/2 (Rp2)	Rc2	Rc2
100	WB1000-100-65	R4	Rp2-1/2	Rc2-1/2	Rc2-1/2

MAIN DIMENSIONS | mm

DN	Model	F	I	M	H	H1	K	L	L1	L2	L3	Dia. N
25	WB1000-25-10	33	10	82	74	56	23	48	158	143	99	23
32	WB1000-32-15	38	12	93	87	66	30	53	182	167	113	31
40	WB1000-40-20	43	12	98	96	71	40	60	202	183	122	38
50	WB1000-50-25	51	16	119	118	92	45	66	240	220	148	49
65	WB1000-65-32(40)	62	12	80	150	99	46	73	267	239	165	64
80	WB1000-80-40(50)	72	14	85	165	105	55	75	293	261	175	75
100	WB1000-100-65	90	16	100	205	133	60	107	365	312	210	98

RSP PIPE & FLANGE DIMENSIONS | mm

DN	RSP Pipe	B-X	Flange	Dia. O	Dia. P	Dia. Q	R	S	T	Dia. U	Dia. V
25	WB1000-RSP-25-10	16	-F	34	85	115	16	10	4	14	31
32	WB1000-RSP-32-15	19	-F	44	100	40	8	12	4	18	41
40	WB1000-RSP-40-20	25	F	49	110	150	8	12	4	18	46
50	WB1000-RSP-50-25	31	-F	60	125	165	20	15	4	18	56
65	WB1000-RSP-35-32(40)	40(46)	-F	78	145	185	20	18	4	18	74
80	WB1000-RSP-80-40(50)	46(55)	F	90	160	200	20	20	8	18	86
100	WB1000-RSP-100-65	73	F	118	180	220	22	22	8	18	113

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