



Styling



Designing



Maintenance



Technik
engineering

Rotary joints

Rotary joint is high-tech product, which is install in rotation nodes for the supply / removal working fluid. The rotary joints most widely used in the supply and removal of cooling water to the support rollers, roller conveyors of Continuous Casting Machines, and rollers of rolling mills. Main element rotary joints is couple face sealing rings from solid material.

Types of rotary joints depend from method of assembly. There are: housing connections (all elements are assembled at the factory in a single node) and connections, which consist of separate elements, which is installed directly in the roller at the Buyer.

Before supply to the Buyer all rotary joints are subjected to tests on a special stand in conditions as maximally close to reals.

During the test, the maximum test pressure of at least 1.25 times the operating pressure and the maximum test rate of not less than 1.5 operating speed.

Such tests guarantee the Buyer full readiness of the joints to the conditions of industrial operation.

Incorrect handling to the rotary joint can cause it damage and premature failure, so before it's install must be carefully studied of **manual to use**.

MANUAL TO USE.

Rotary joints are not allowed to use for other purposes, except as indicated in the catalog.

Prohibited use rotary joints for hydrocarbon media, as well as any other flammable or combustible media.

Prohibited the use of rotary joints for other media, especially corrosive without especial express written permission.

RECOMMENDATIONS FOR LUBRICATION OF ROTARY JOINTS

Rotary joints without lubricating device, has lubricant for all life time and do not require any maintenance other than periodic inspection. Rotary joints with lubricating device, need be lubricated high quality lubrication for rolling bearings.

Excessive lubrication can damage at work of rotary joints, exactly the same as insufficient lubricate. In particular, at high frequency of rotation, lubrication should be done in an economical way. The frequency of lubrication can vary significantly depending on the speed of rotation of the roller. The Manufacturer should be informed about the operating conditions for the optimal choice of lubricant and lubrication frequency.

The presence of a lubricating layer of the working fluid between the surfaces of the sealing couple is necessarily, therefore long-term use of connections without supplying the working medium (dry) is prohibited.

REPAIR

Only the manufacturer has the right to repair rotary joints.

The manufacturer provides services for repair of connections. The rotary joints to be repaired shall be transferred to the manufacturer or its representatives in agreement with the Buyer. It is also may to supply repair kit to individual order.

MOUNTING OF ROTARY JOINTS

The installation of the rotary joints at the node rotary's must be performed by specially trained personnel with appropriate qualifications. All operations must be performed with increased accuracy and care.

Only original parts of the manufacturing plant may be used.

It is not allowed to use for mounting/ dismounting locksmithing and installation tools of shock action. For dismounting of rotary joints recommended to use of special devices.

For information on this device, contact the supplier of the rotary joints.

It is very important to follow the sequence when installing the connection in the node of rotation. The supply of the medium is recommended to be performed with flexible metal hoses.

The manufacturer reserves the right to make changes in the design of rotary joints which do not worsening their work.

We offer designing original rotary joints in the size and technical parameters of the Customer.

		RJ - A - SB - 2 - 3/4x3/4x1/2 - G - RH								
		1	2	3	4	5	6	7	8	9
1	Product									
	RJ - rotary joint									
2	Type									
	A									
	B									
	CB									
	C									
	D									
	E									
3	Bearing type									
	RB - rolling bearing									
	SB - sliding bearing									
4	Number of flows									
5	Connecting of rotating part (see Recommendation for choice)									
6	Draining the working fluid from the rotary joint (see Recommendation for choice)									
7	Supply of working fluid to the rotary joint (see Recommendation for choice)									
8	Thread type									
	G - BSP (ISO 228)									
	M - Metric									
	*) - for Customer's requirement									
9	Direction of connection's thread									
	RH - right									
	LH - left									

Type	Ordering code	Symbol	Operating fluid	Maximum operating pressure P max, bar	Maximum temperature of operating fluid T max, °C	Maximum operating speed n max, rpm	Shape of supply/removal fluid	Nominal size, DN	Connecting of motionless part	Connecting of rotating part	Supply of operation fluid to rotary joint	Removal of operation fluid from rotary joint
A	RJ-A-RB-1-34x34-G-RH		Water, coolant	10	90	750...1000	Elbow	20	-	G3/4	G3/4	-
	RJ-A-SB-1-34x34-G-RH			10	90	100		20	-	G3/4	G3/4	-
	RJ-A-RB-2-12x12-G-RH			10	90	750...1000		15	-	G1/2	G1/2	G1/2
	RJ-A-SB-2-34x34-G-RH			10	90	100		20	-	G3/4	G1/2	G3/4
B	RJ-B-1-46x109			10	90	100	Straight	25	Flange	Sleeve	Ø25	-
CB	RJ-CB-1-27x13-NF			10	90	20		12	Sleeve	Sleeve	Ø12	-
	RJ-CB-1-35x13-RH			10	90	20		15	Flange	Sleeve	Ø17	-
C	RJ-C-SB-1-60x125			10	90	20	Elbow	25	Flange	Sleeve	Ø20	-
	RJ-C-SB-2-60x125			10	90	20		25	Flange	Sleeve	Ø20	Ø20
D	RJ-D-SB-1-59x3/4-G-RH-NF			10	90	100		25	-	Sleeve	G3/4	-
	RJ-D-SB-2-46x3/4-G-RH-NF			10	90	100		20	-	Sleeve	G3/4	G3/4
	RJ-D-SB-1-59x3/4-G-RH			10	90	100		25	-	Flange Sleeve	G3/4	-
	RJ-D-SB-2-46x3/4-G-RH			10	90	100		20	-	Flange Sleeve	G3/4	G3/4
E	RJ-E-RB-2-1 14x12-G-RH-L		Mineral oil	125	90	160		15	-	G1 1/4	G1/2	-
	RJ-E-RB-2-1 14x34-G-RH-L			125	90	160		20	-	G1 1/4	G3/4	-
	RJ-E-RB-2-1 14x12-G-RH-S			250	90	550		15	-	G1 1/4	G1/2	G1/4
	RJ-E-RB-2-1 14x34-G-RH-S			250	90	550		20	-	G1 1/4	G3/4	G1/4
	RJ-E-RB-2-34x34-20-F-L			125	90	60		20	-		G3/4	-
	RJ-E-RB-2-112x112-32-F-L			125	90	60		32	-		G1 1/2	-
	RJ-E-RB-2-34x34-20-F-S			250	90	500		20	-		G3/4	G1/2
	RJ-E-RB-2-112x112-32-F-S			250	90	500		32	-		G1 1/2	G1/2

For type A and D all range of rotary joints see page 5, 10, 11

Representatives of KM-Technik Dnipro can advise on the use, installation, operation and maintenance of rotary joints. Please contact us. Our experts will help you competently choose the rotary joints for the specific operating conditions for the equipment used in your enterprise.

This will save you time and will exclude misunderstandings when ordering, installing and operating connections.

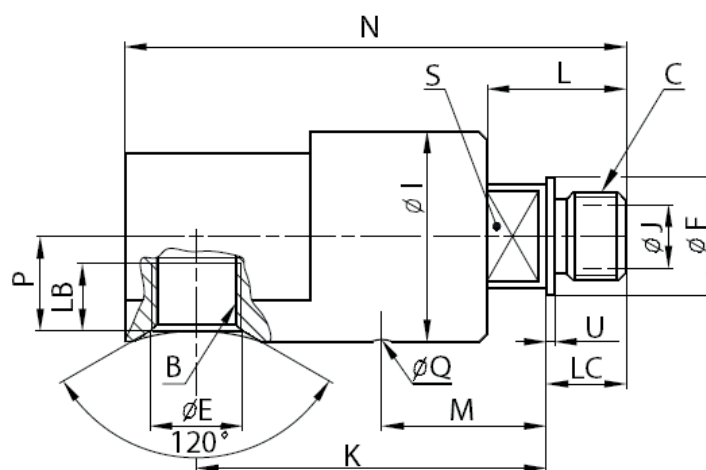
Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:	water, coolant
Maximum operating pressure, bar	10
Maximum temperature of operating fluid, °C	90
Maximum operating speed, rpm	100(SB)
Maximum operating speed, rpm	100...1000(RB)



Single flow rotary joint



Dimension table

Nominal size, DN	Ordering code	A	B	C	D	LA	LB	LC	LD	ØE	ØF	ØJ	ØI	H	K	L	M	N	P	R	S	U	Q	m	
		G (BSP)				mm																		kg	
Single flow rotary joint - light series																									
10	RJ-A-RB-1-38x38-G-RH	—	3/8	3/8	—	—	14	16	—	22	24	10	45	—	107	26	65	134	20	—	22	1,5	5	0,6	
15	RJ-A-RB-1-12x12-G-RH	—	1/2	1/2	—	—	16	19	—	22	28	15	57	—	107	33	65	140	22	—	21	2	5	1,14	
20	RJ-A-RB-1-34x34-G-RH	—	3/4	3/4	—	—	16	19	—	31	37	19	73	—	108	34	69	163	32	—	30	2	5	1,56	
25	RJ-A-RB-1-1x1-G-RH	—	1	1	—	—	20	22	—	38	45	25	83	—	108	42	69	163	36	—	32	2	5	2,90	
32	RJ-A-RB-1-114x114-G-RH	—	11/4	11/4	—	—	28	28	—	50	50	32	90	—	119	54	74	182	39	—	46	2	5	4,9	
Single flow rotary joint - heavy series																									
15	RJ-A-SB-1-12x12-G-RH	—	1/2	1/2	—	—	16	19	—	22	28	15	50	—	83	33	65	140	22	—	21	2	5	2	
20	RJ-A-SB-1-34x34-G-RH	—	3/4	3/4	—	—	16	19	—	31	37	18	72	—	107	46	69	140	32	—	30	2	5	2,7	
25	RJ-A-SB-1-1x1-G-RH	—	1	1	—	—	20	22	—	38	45	25	72	—	106	42,5	63	152	30	—	32	2	5	2,6	

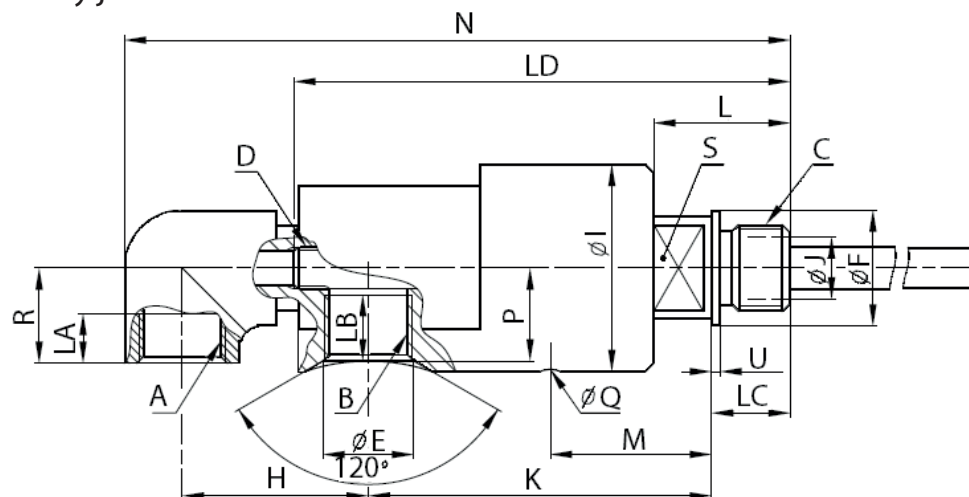
Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment. Dual flow rotary joints allow for supply and outlet operating fluid simultaneously by single installation element, which makes it possible significantly increase the reliability of the system

Technical data

Operating fluid:	water, coolant
Maximum operating pressure, bar	10
Maximum temperature of operating fluid, °C	90
Maximum operating speed, rpm	100(SB)
Maximum operating speed, rpm	100...1000(RB)



Dual flow rotary joint



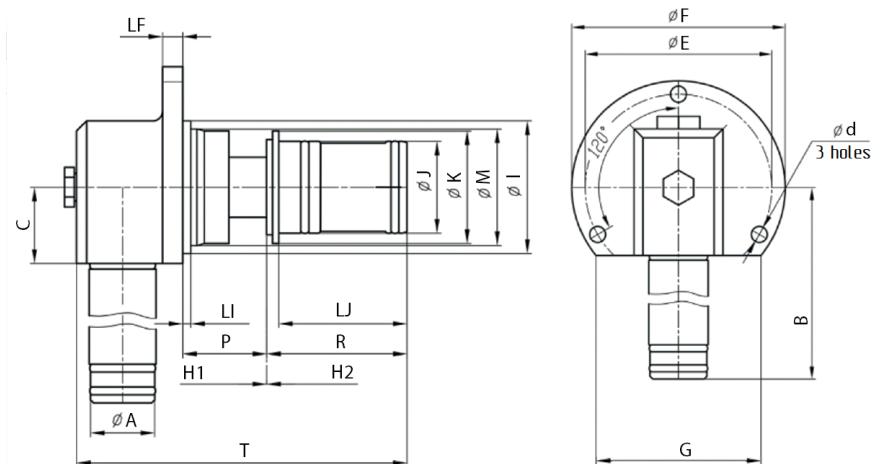
Dimension table

Nominal size, DN	Ordering code	A	B	C	D	LA	LB	LC	LD	ØE	ØF	ØJ	ØI	H	K	L	M	N	P	R	S	U	Q	m
		G (BSP)				mm																		kg
		Dual flow rotary joint - light series																						
10	RJ-A-RB-2-38x38-G-RH	1/4	3/8	3/8	1/8	14	14	16	134	22	24	10	45	36	107	26	65	155	20	18	22	1,5	5	0,9
15	RJ-A-RB-2-12x12-G-RH	1/2	1/2	1/2	1/8	12	16	19	140	22	28	15	57	45	107	33	65	161	22	23	21	2	5	1,53
20	RJ-A-RB-2-34x34-G-RH	1/2	3/4	3/4	1/4	16	16	19	161	31	37	19	73	36	108	34	69	171	32	26	30	2	5	1,9
25	RJ-A-RB-2-1x1-G-RH	1/2	1	1	3/8	16	20	22	161	38	45	25	83	36	108	42	69	200	36	28	32	2	5	2,6
32	RJ-A-RB-2-114x114-G-RH	3/4	11/4	11/4	1/2	20	28	28	186	50	50	32	90	72	117	54	71	234	39	29	46	2	5	5,41
Dual flow rotary joint - heavy series																								
15	RJ-A-SB-2-12x12-G-RH	1/2	1/2	1/2	1/8	12	16	19	140	22	28	15	50	45	107	33	65	161	22	23	21	2	5	2,39
20	RJ-A-SB-2-34x34-G-RH	1/2	3/4	3/4	1/4	16	16	19	161	31	37	18	70	36	108	46	69	171	32	26	30	2	5	3
25	RJ-A-SB-2-1x1-G-RH	1/2	1	1	3/8	16	20	19	161	38	45	25	70	36	108	42,5	69	171	30	28	32	2	5	3

Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:	water, coolant
Maximum operating pressure, bar	10
Maximum temperature of operating fluid, °C	90
Maximum operating speed, rpm	100



Dimension table

Nominal size, DN	Ordering code	Ø A	B	C	Ø d	Ø E	Ø F	LF	G	H1	H2	Ø I	LI	Ø J	LJ	Ø K	Ø M	P	R	T	m				
		h8									stroke lenght														
		mm																				kg			
25	RJ-B-1-16x109	32	115,5	38	9	105	120	10	93	10	12	66	0 -0,1	4	46	-0,06 -0,1	64	56	-0,02 -0,05	58	-0,06 -0,11	42	70	165	3,62
	RJ-B-1-16x109-01		181,5																						3,64
	RJ-B-1-16x109-02		196,5																						3,66
	RJ-B-1-16x109-03		206,5																						3,68

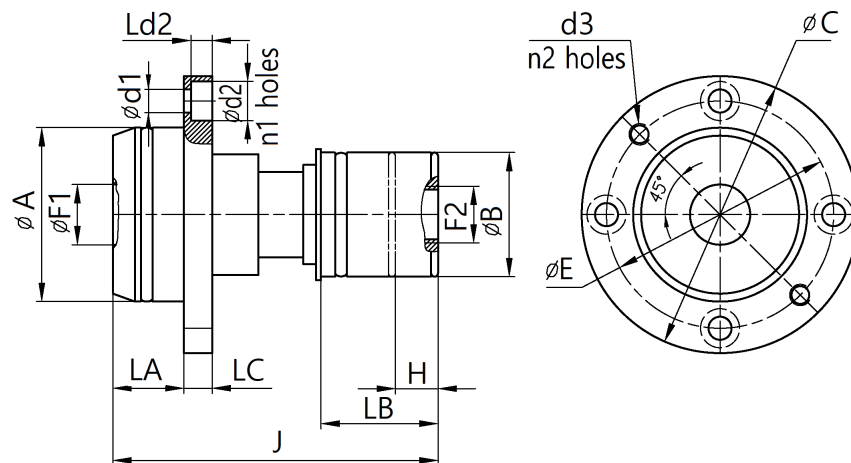
Importantly!

The design of rotary joint makes it possible to compensate for: axial movement the roller due to its thermal expansion, the angular displacement, deviation of concentricity between the fixed and rotating parts of the rotary joint, arising during operation.

Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:	water, coolant
Maximum operating pressure, bar	10
Maximum temperature of operating fluid, °C	90
Maximum operating speed, rpm	20



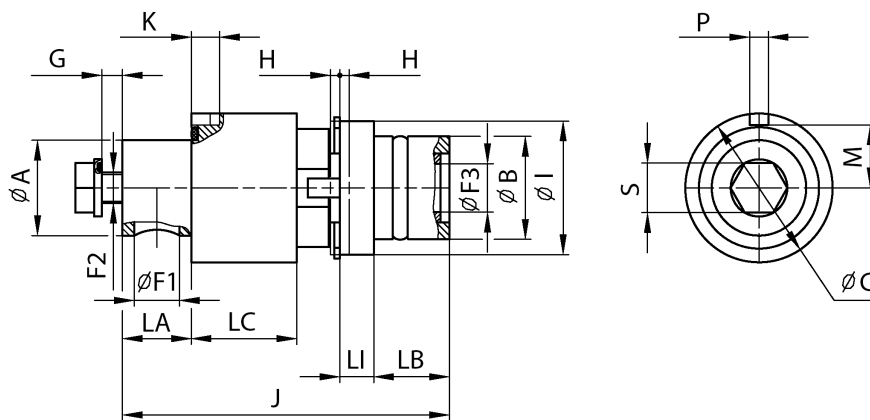
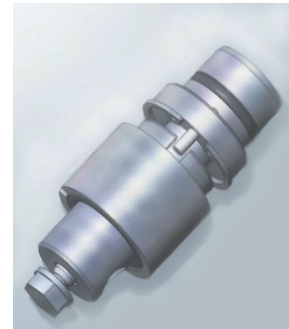
Dimension table

Nominal size, DN	Ordering code	Ø A	LA	Ø B	LB	H	Ø C	LC	Ød1	Ød2	Ld2	ØE	ØF1	J	d3	F2	n1	n2	m
		f7		h6		stroke length													
		mm																pcs	kg
15	RJ-CB-1-35x13-RH	49	25	35	18	12	78	8	6,5	11	6	64	17	92	M6	M16	4	2	0,84

Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:	water, coolant
Maximum operating pressure, bar	10
Maximum temperature of operating fluid, °C	90
Maximum operating speed, rpm	20



Dimension table

Nominal size, DN	Ordering code	Ø A	LA	Ø B	LB	H	Ø C	LC	Ø F1	F2	Ø F3	Ø I	LI	J	G	K	M	P	m
		e8		e7		stroke length						e9							
		mm										mm							kg
12	RJ-CB-1-35x13-NF	25	18,2	27	20	2,5	39	27,9	12	M8	12,7	35	9	86,5	5,5	7,5	16,5	5	0,4

Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:

Maximum operating pressure, bar

Maximum temperature of operating fluid, °C

Maximum operating speed, rpm

water, coolant

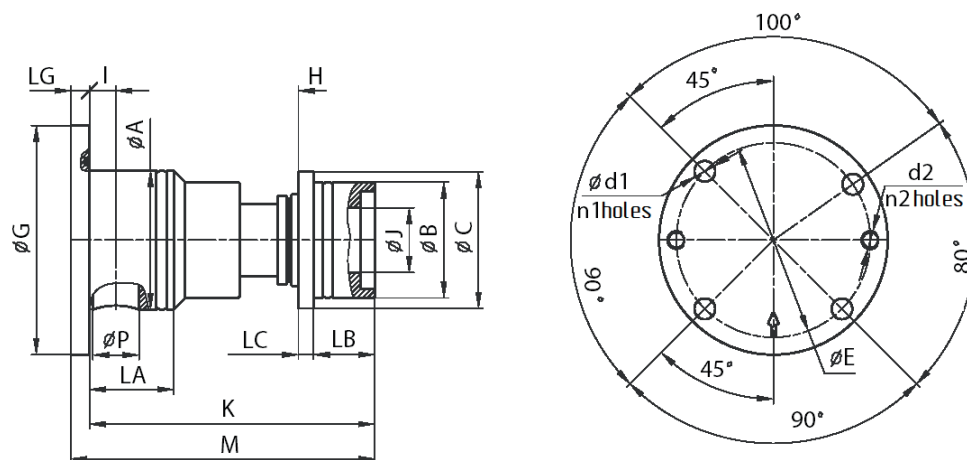
10

90

20



Single flow rotary joint



Dimension table

Nominal size, DN	Ordering code	Ø P	Ø A	LA	Ø B	LB	H	Ø C	LC	Ø E	Ø d1	d2	Ø G	LG	I	Ø J	K	M	n1	n2	m	
		f8					stroke length	f8														
		mm																		pcs	kg	
20	RJ-C-SB-1-60x125	20	60	36	50	^{-0,06} _{-0,1}	25,5	12	59	8	84	9	M8	99	8	13,5	31	124	132	4	2	1,93

Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment. Dual flow rotary joints allow for supply and outlet operating fluid simultaneously by single installation element, which makes it possible significantly increase the reliability of the system

Technical data

Operating fluid:

Maximum operating pressure, bar

Maximum temperature of operating fluid, °C

Maximum operating speed, rpm

water, coolant

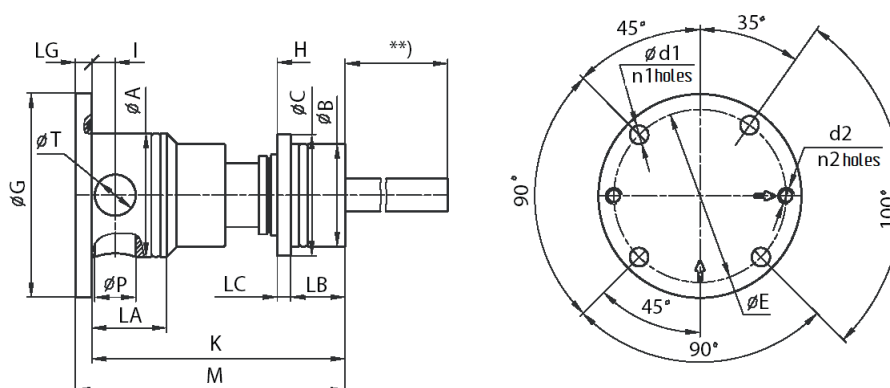
10

90

20



Dual flow rotary joint



Dimension table

Nominal size, DN	Ordering code	Ø P	Ø T	Ø A	LA	Ø B	LB	H	Ø C	LC	Ø E	Ø d1	d2	Ø G	LG	I	Ø J	K	M	n1	n2	m
				f8		f8		stroke lenght	f8													
		mm																			pcs	
20	RJ-C-SB-2-60x125	20	20	60	41	50	25.5	12	59	8	84	9	M8	99	8	14.7	31	126	144	4	2	1.93

Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:

Maximum operating pressure, bar

Maximum temperature of operating fluid, °C

Maximum operating speed, rpm

water, coolant

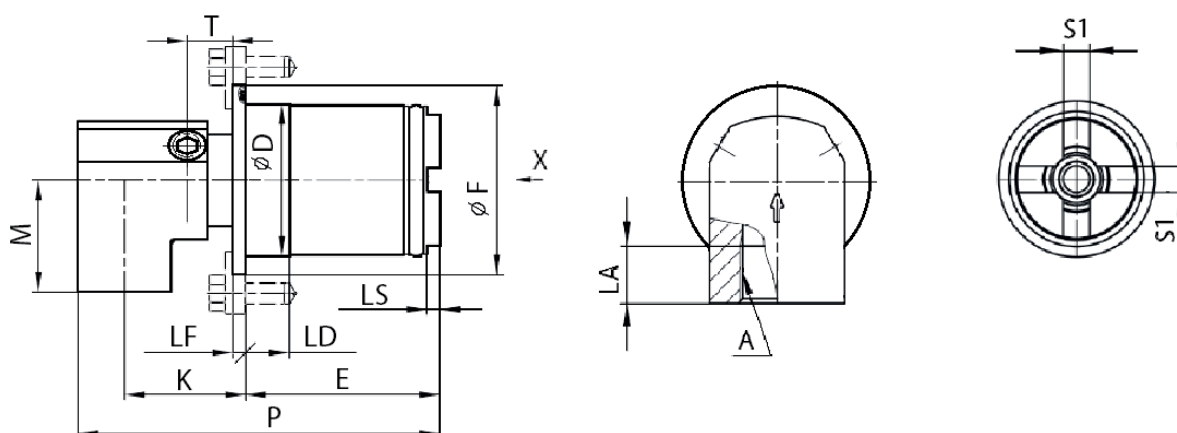
10

90

100



Single flow rotary joint



Dimension table

Nominal size, DN	Ordering code	A	LA	Ø D	LD	E	Ø F	LF	K	M	P	S	S1	LS	T	m
		G (BSP)	mm													kg
20	RJ-D-SB-1-46x3/4-G-RH-NF	3/4	20	46 ^{+0,05} _{-0,1}	8	53	58	5	51	39	126	—	10	5	23	1,5
25	RJ-D-SB-1-59x3/4-G-RH-NF	3/4	20	58,67 ⁰ _{-0,1}	8	75	72,9	5	46,5	43	139,5	50	—	5	22,5	2,12
32	RJ-D-SB-1-71-1-G-RH-NF	1	22	71 ^{+0,15} _{-0,25}	25	87	86	4,7	68	41	184	60	—	10	21,5	4,2

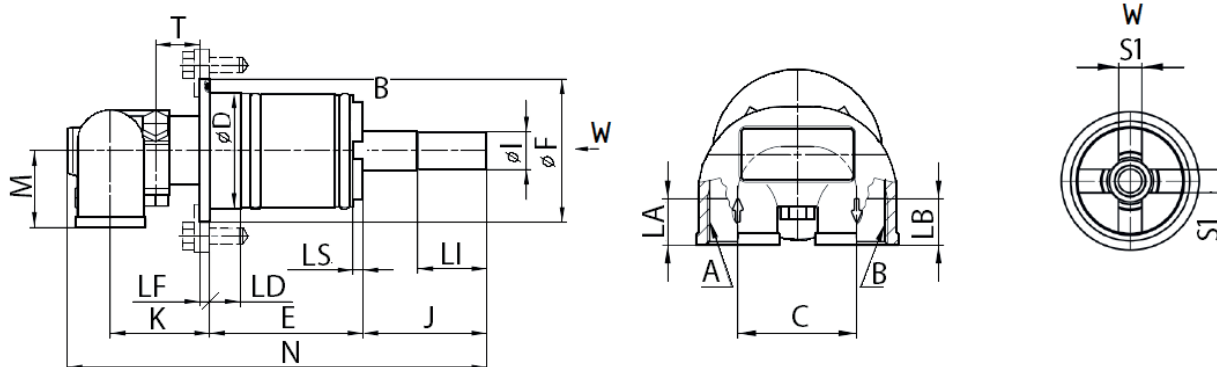
Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment. Dual flow rotary joints allow for supply and outlet operating fluid simultaneously by single installation element, which makes it possible significantly increase the reliability of the system

Technical data

Operating fluid:	water, coolant
Maximum operating pressure, bar	10
Maximum temperature of operating fluid, °C	90
Maximum operating speed, rpm	100



Dual flow rotary joint



Dimension table

Nominal size, DN	Ordering code	A	B	LA	LB	C	Ø D	LD	E	Ø F	LF	Ø I	LI	J	K	M	N	S	S1	LS	T	m	
		G (BSP)		mm																		kg	
20	RJ-D-SB-2-46x3/4-G-RH-NF	3/4	3/4	20	20	51	46 ^{+0,05 -0,1}	8	53	58	5	13	h9	50,5	54	51	39	180	—	10	5	23	1,5
25	RJ-D-SB-2-59x3/4-G-RH-NF	3/4	3/4	20	20	51	58,6 ^{0 -0,1}	8	78	72,9	5	19	h9	35	63	50,5	39	214	50	—	5	22,5	2,12
32	RJ-D-SB-2-71-1-G-RH-NF	1	1	22	22	65	71 ^{+0,15 -0,25}	25	87	86	4,7	28,7 ^{+0,15 -0,25}	40	48,5	68	41	233	60	—	10	21,5	4,2	

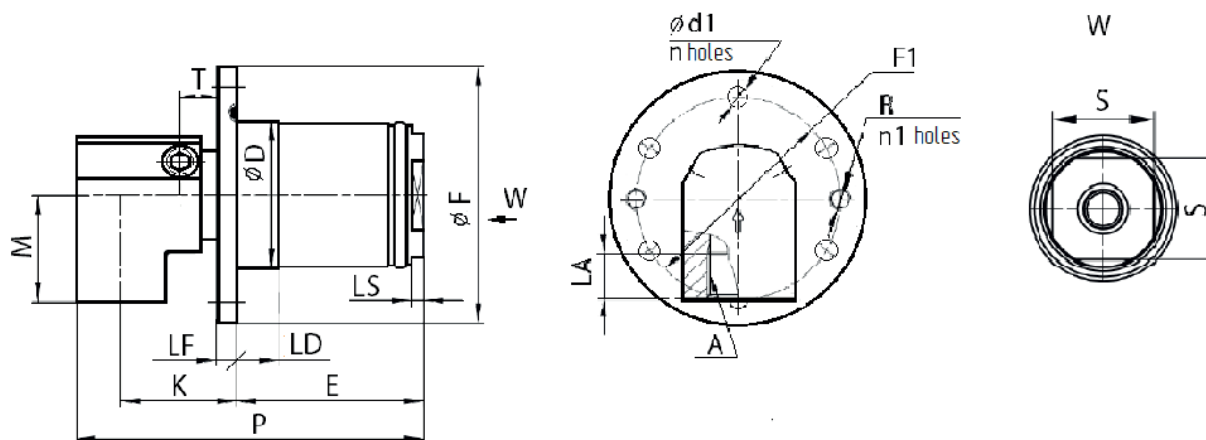
Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:	water, coolant
Maximum operating pressure, bar	10
Maximum temperature of operating fluid, °C	90
Maximum operating speed, rpm	100



Single flow rotary joint



Dimension table

Nominal size, DN	Ordering code	A	LA	$\varnothing D$	LD	E	$\varnothing F$	LF	$\varnothing F1$	$\varnothing d1$	n1	n2	R	K	M	P	S	S1	LS	T	m
		G (BSP)																			kg
				mm							pcs						mm				
20	RJ-D-SB-1-46x3/4-G-RH	3/4	20	46 ^{+0,05} _{-0,1}	8	53	77	8	65	6,6	6	2	M8	51	39	126	—	10	2,5	20	1,5
25	RJ-D-SB-1-59x3/4-G-RH	3/4	20	58,6 ⁰ _{-0,1}	8	75	95	8	83	6,6	6	2	M8	46,5	43	140	50	—	5	22,5	2,12
32	RJ-D-SB-1-71-1-G-RH	1	22	71 ^{+0,15} _{-0,25}	25	87	148	12	130	11	6	2	M12	68	43	184	60	—	10	21,5	4,2

Supply working fluid (water, coolant, oil) in rotating component of the machineries and equipment. Dual flow rotary joints allow for supply and outlet operating fluid simultaneously by single installation element, which makes it possible significantly increase the reliability of the system

Technical data

Operating fluid:

Maximum operating pressure, bar

Maximum temperature of operating fluid, °C

Maximum operating speed, rpm

water, coolant

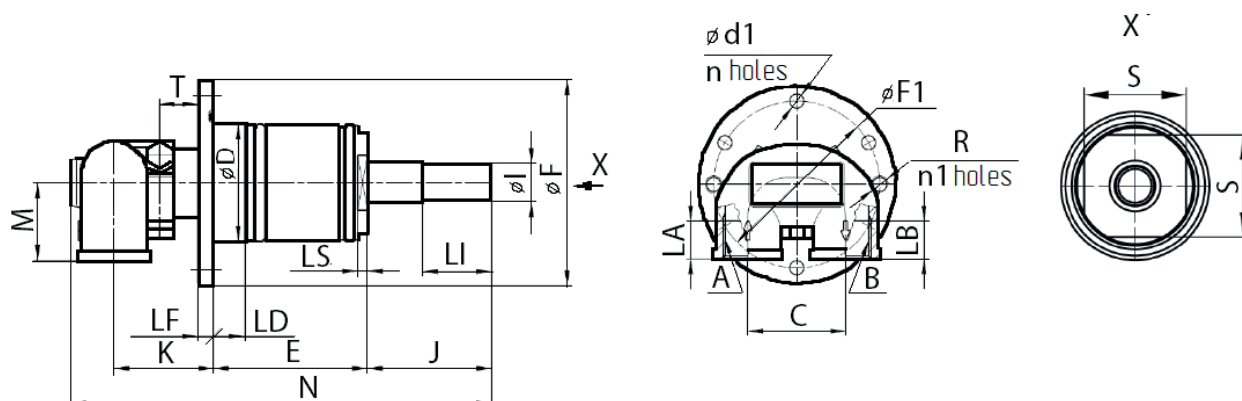
10

90

100



Dual flow rotary joint



Dimension table

Nominal size, DN	Ordering code	A	B	LA	LB	C	Ø D	LD	E	Ø F	LF	Ø F1	Ø d1	n1	n2	R	Ø I	LI	J	K	M	N	S	S1	LS	T	m	
		G (BSP)	mm											pcs	mm											kg		
20	RJ-D-SB-2-46x3/4-G-RH	3/4	3/4	20	20	51	46 ^{+0.05 -0.1}	8	53	77	8	65	6,6	6	2	—	13	h9	50,5	54	51	39	180	—	10	2,5	20	1,6
25	RJ-D-SB-2-59x3/4-G-RH	3/4	3/4	20	20	51	58,6 ^{+0 -0.1}	9	78	95	8	83	6,6	6	2	M8	19	h9	35	63	50,5	39	214	50	—	5	22,5	2,48
32	RJ-D-SB-2-71-1-G-RH	1	1	22	22	65	71 ^{+0.15 -0.25}	25	87	148	12	130	11	6	2	M12	28,7 ^{0 -0.3}	40	48,5	68	43	234	60	—	10	21,5	4,5	

Supply working fluid (hydraulic oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:	mineral oil
Maximum operating pressure (RH-L), bar	100/160
Maximum operating pressure (RH-S), bar	250
Maximum temperature of operating fluid, °C	60
Maximum operating speed, (RH-L), rpm	550/330
Maximum operating speed, (RH-S), rpm	550

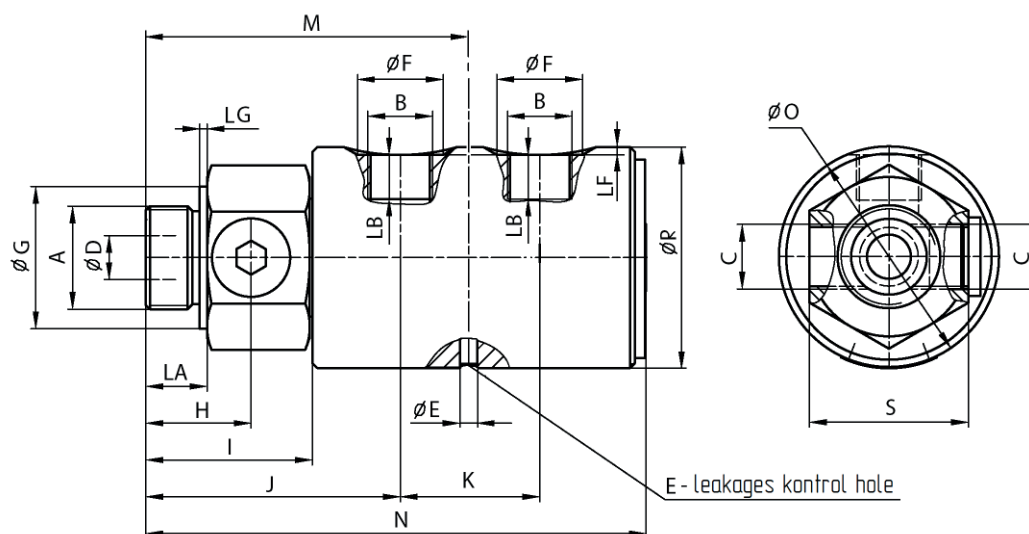


Rotary joint of the RH-L version.

The RH-L rotary joint has radial shaft seals and a leakages control hole.

ATTENTION! DO NOT USE rotary joint RH-L

at maximum operating pressure simultaneously at maximum operating speed!



Dimension table

Nominal size, DN	Ordering code	A	B	C	ØD	ØE	ØF	LF	LA	LB	S	ØG	LG	H	I	J	K	M	N	ØO	m
		G (BSP)			mm																kg
15	RJ-E-RB-2-114x12-G-RH-L	1 1/4	1/2	1/2	15	5	28	3	25	16	60	58	3	43	61	91	50	116	180	80	4,2
20	RJ-E-RB-2-114x34-G-RH-L	1 1/4	3/4	3/4	18	5	35	3	25	18	65	58	3	43	68	104	57	133	205	90	4,3

If required parameters for rotary joint exceed the values, shown table «Technical data», we offer design original rotary joints.

Supply working fluid (hydraulic oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:	mineral oil
Maximum operating pressure (RH-L), bar	100/160
Maximum operating pressure (RH-S), bar	250
Maximum temperature of operating fluid, °C	60
Maximum operating speed, (RH-L), rpm	550/330
Maximum operating speed, (RH-S), rpm	550

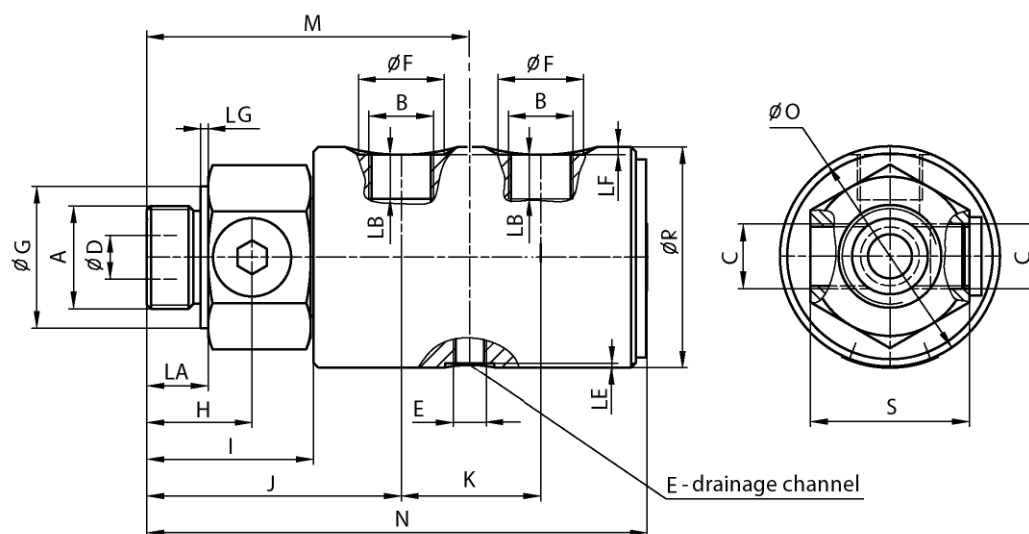


Rotary joint of the RH-S version.

The RH-S rotary joint made without sealing rings with a drainage channel.

WARNING!

The maximum working pressure in the drainage channel is NOT MORE THAN 3 bar



Dimension table

Nominal size, DN	Ordering code	A	B	C	ØD	E	ØF	LF	LA	LB	S	LE	LE1	ØG	LG	H	I	J	K	M	N	ØO	m
		G (BSP)			mm	G (BSP)								mm									kg
15	RJ-E-RB-2-114x12-G-RH-S	1 1/4	1/2	1/2	15	1/4	28	3	25	16	60	14	1,5	58	3	43	61	91	50	116	180	80	4,2
20	RJ-E-RB-2-114x34-G-RH-S	1 1/4	3/4	3/4	18	1/4	35	3	25	18	65	14	1,5	58	3	43	68	104	57	133	205	90	4,3

If required parameters for rotary joint exceed the values, shown table «Technical data», we offer design original rotary joints.

Supply working fluid (hydraulic oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:	mineral oil
Maximum operating pressure (F-L), bar	70/125
Maximum operating pressure (F-S), bar	250
Maximum temperature of operating fluid, °C	60
Maximum operating speed, (F-L), rpm	300/200
Maximum operating speed, (F-S), rpm	500

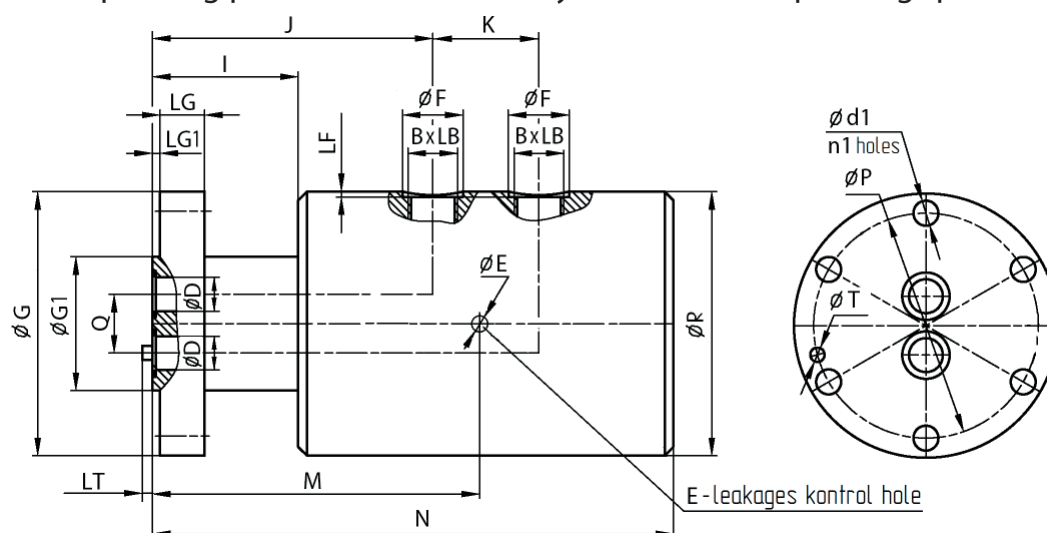


Rotary joint of the F-L version.

The F-L rotary joint has radial shaft seals and a leakages control hole.

ATTENTION! DO NOT USE rotary joint F-L

at maximum operating pressure simultaneously at maximum operating speed!



Dimension table

Nominal size, DN	Ordering code	B	ØD	ØE	ØF	LF	LB	ØG	LG	ØG1	LG1	I	J	K	M	N	ØP	Q	ØR	ØT	LT	Ød1	n1	m
		G (BSP)	mm																				pcs	kg
20	RJ-E-RB-2-34x34-20-F-L	3/4	19	5	34	3	18	140	18	65	10	70	131	67	164	259	100	33	127	—	—	18	4	20
32	RJ-E-RB-2-112x112-32-F-L	1 1/2	32	5	57	4	24	—	22	150	3	80	178	99	227	371	175	60	209	8	10	14	6	75

If required parameters for rotary joint exceed the values, shown table «Technical data», we offer design original rotary joints.

Supply working fluid (hydraulic oil) in rotating component of the machineries and equipment.

Technical data

Operating fluid:	mineral oil
Maximum operating pressure (F-L), bar	70/125
Maximum operating pressure (F-S), bar	250
Maximum temperature of operating fluid, °C	60
Maximum operating speed, (F-L), rpm	300/200
Maximum operating speed, (F-S), rpm	500

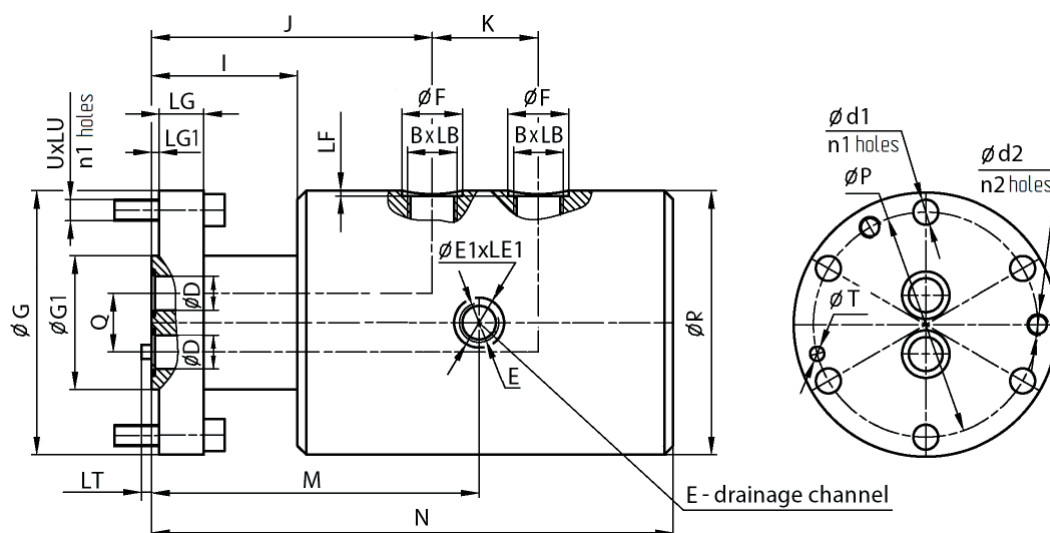


Rotary joint of the F-S version.

The F-S rotary joint made without sealing rings with a drainage channel.

WARNING!

The maximum working pressure in the drainage channel is NOT MORE THAN 3 bar



Dimension table

Nominal size, DN	Ordering code	B	ØD	E	ØE1	ØF	LF	LB	LE	LE1	ØG1	LG1	I	J	K	M	N	ØP	ØQ	ØR	ØT	LT	Ød1	d2	U	LU	n1	n2	m
		G (BSP)	mm	G (BSP)	mm																				mm	pcs	kg		
20	RJ-E-RB-2-34x34-20-F-S	3/4	20	1/4	20	34	3	20	14	1,5	148	25	77,5	153	30	183	288	126	33	148	8	10	14	M12	M12	50	4	3	20
32	RJ-E-RB-2-112x112-32-F-S	1 1/2	32	1/2	28	57	4	24	18	1,5	200	25	80	178	99	227	371	175	60	209	8	10	14	M12	M12	50	6	3	75

If required parameters for rotary joint exceed the values, shown table «Technical data», we offer design original rotary joints.

We offer designing original rotary joints
in the size and technical parameters of
the Customer.





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