DIMER
YOUR SEALING PARTNER



MECHANICAL SEALS

LABELLING OF MECHANICAL SEALS 3-4

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According to CSN 12756

Labelling of single mechanical seals

Mechanical seal **XXX XXX - XXX (XX XXX X X - XXXXX CSN EN 12756**

Producer code (separate sheet)

Design: N - normal, K - short

Shape: U - unbalanced, B - balanced seal

Nominal diameter of the seal - d1 (a three-digit code)

Direction of rotation: R - right, L - left, S - arbitrary

(viewed from the seat: R - in clockwise direction, L - in counterclockwise direction)

Securing of seat against rotation: 0 - no securing

1 - equipped with securing

Material code (separate sheet)

Labelling of double mechanical seals

Mechanical seal **XXX XXX - XXX (X X XXX X X X - XXXXX XXX CSN EN 12756**

Producer code (separate sheet)

Seal shape on the sealed medium side: U, B

Seal shape on the sealed atmospheric side: U, B

Nominal diameter of the seal - d1 (a three-digit code)

Direction of rotation: R - right, L - left, S - arbitrary

Securing of seats against rotation:

0 - no securing

1 - securing on the atmospheric side

2 - securing on the sealed medium side

3 - securing on both atmospheric and sealed medium side

Axial securing of seat on the sealed medium side

O - no securing

D - equipped with securing

Material code on the sealed medium side

Material code on the atmospheric side

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Labelling of material used for mechanical seals

1st digit: material used for adjustable ring
2nd digit: material used for seat
3rd digit: material of secondary/elastic sealing
4th digit: material used for springs
5th digit: material used for other metal parts (excluding housing and cover)

Labelling of material used according to CSN EN 12756

1st and 2nd digit		3rd digit		4th and 5th digit	
Code	**Material Type**	**Code**	**Material Type**	**Code**	**Material Type**
	Synthetic Carbon		**Elastomeric materials**	D	carbon steel
A	metal saturated	B	butyl rubber (IIR)	E	chrome steel
B	resin saturated	E	ethylene propylene rubber	F	CrNi steel
C	other carbon type	K	perfluor rubber	G	CrNiMo steel
	Metals	N	chloroprene rubber (CR)		
D	carbon steel	P	nitrile rubber (NBR)	M	nickel alloy
E	chrome steel	S	silicone rubber (MVQ)	N	bronze
F	CrNi steel	V	fluorine rubber (FPM)		
G	CrNiMo steel	X	other elastomeric substance	T	other metal
H	carbide surface coating				
K	hard metal surface coating		**Elastomeric materials with coating**		
M	Ni alloy	M	PTFE coating		
N	bronze				
S	chrome steel		**Non-elastomeric materials**		
T	other metals	G	graphite		
	Carbides	T	PTFE		
U1	wolfram carbide with Co	Y	other non-elastomeric materials		
U2	wolfram carbide with NI				
Q1	silicon carbide		**Various other materials**		
Q2	silicon carbide with Si	U	other material of secondary/elastic seal		
J	other carbide				
	Ceramic materials				
V	aluminium oxide				
W	chromium oxide				
X	other ceramic substance				
	Plastic materials				
Y1	glass reinforced PTFE				
Y2	carbon reinforced PTFE				
Z	other plastic substance				

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- Coolers for autonomous circuit of mechanical seals
- Pressure of sealed medium up to 3,0 MPa
- Pressure of sealed medium up to 6,3 MPa



- Storage tank for autonomous circuit of mechanical seals
- Volume 5 / 8 / 10 l



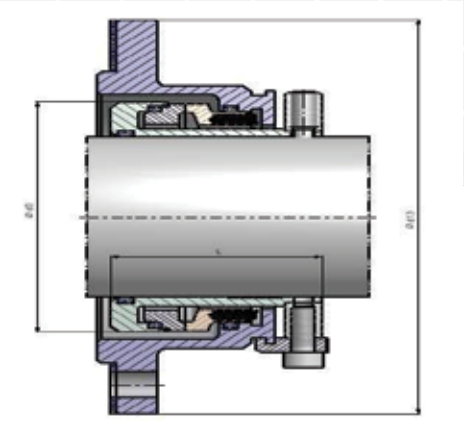
- Filters
- Equipped with magnetic separation
- Cyclone



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- Cartridge mechanical seal
- Balanced
- Independent on the direction of shaft rotation
- A set of coiled springs
- Springs do not come into contact with the sealed medium
- Operating limits (depending on material used):

p = 2,0MPa
t = 200 °C
v = 20 m/s



Seal parts:

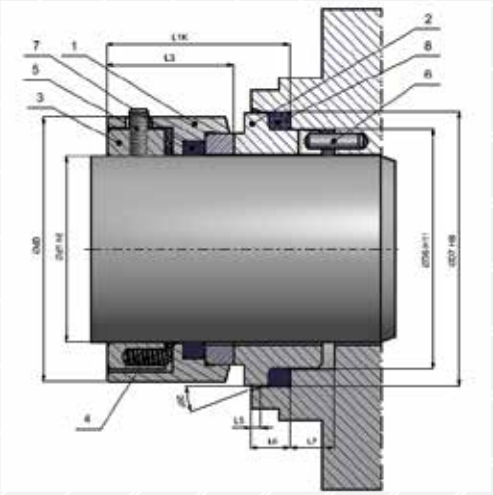
1. Mechanical seal DIC
2. Carrier housing
3. Seal cover
4. Carrier ring
5. Carrier screws
6. Gib
7. O - ring
8. Seal

d	d3	d4 min	d4 max	d5	l1	l2	l3	D	a	s
20	38	39	46	52	64	27	17	100	57	14
25	43	44	51	57	65	27	17	105	62	14
28	46	47	52	58	65	27	17	105	62	14
30	48	49	56	62	65	27	17	105	67	14
32	50	51	57	63	66	27	17	110	70	14
33	51	52	58	64	66	27	17	110	70	14
35	53	54	61	67	67	28	17	113	72	14
38	56	57	66	72	67	28	17	123	75	14
40	58	59	68	74	67	28	17	123	77	16
42	60	61	69	75	68	29	17	133	80	16
43	61	62	70	76	68	29	17	133	80	16
45	63	64	73	79	71	31	17	138	82	16
48	66	67	75	81	71	31	17	138	85	16
50	68	69	78	84	71	31	17	148	87	16
53	71	72	81	87	71	31	17	148	90	18
55	73	74	83	89	71	31	17	148	92	18
60	78	79	91	97	72	31	17	157	102	18
65	83	85	98	104	72	31	17	163	109	18
70	93	95	108	114	92	37	20	178	118	18
75	98	100	118	124	92	37	20	190	129	18
80	103	105	124	130	92	37	20	195	135	18
85	108	110	128	134	92	37	20	198	139	22
90	113	116	135	141	94	39	20	205	145	22
95	118	121	138	144	94	39	20	208	148	22
100	123	126	144	150	94	39	20	218	154	22

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- Single mechanical seal
- Unbalanced
- Independent of the direction of shaft rotation
- A set of coil springs
- Outer dimensions acc. to CSN EN 12756
- Option of substantial shortening of installing dimensions
- Operating limits (depending on material used):

p = 1,6MPa
t = 200 °C
v = 20 m/s



Seal parts:

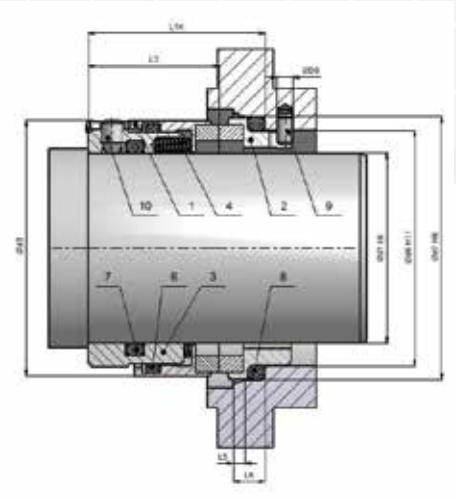
1. Adjustable ring
2. Seat
3. Carrier
4. Spring
5. Screw
6. Pin
7. O-ring
8. O-ring

d1	d3	d4-min	d6	d7	d8	l1k	l3	l5	l6	l7
18	32	34	27	33	3	37,5	27	2	5	9
20	34	36	29	35	3	37,5	27	2	5	9
22	36	38	31	37	3	37,5	27	2	5	9
24	38	40	33	39	3	40	30	2	5	9
25	39	41	34	40	3	40	30	2	5	9
28	42	44	37	43	3	42,5	32	2	5	9
30	44	46	39	45	3	42,5	32	2	5	9
32	46	48	42	48	3	42,5	32	2	5	9
33	47	49	42	48	3	42,5	32	2	5	9
35	49	51	44	50	3	42,5	32	2	5	9
38	54	58	49	56	4	45	34	2	6	9
40	56	60	51	58	4	45	34	2	6	9
43	59	63	54	61	4	45	34	2	6	9
45	61	65	56	63	4	45	34	2	6	9
48	64	68	59	66	4	45	34	2	6	9
50	66	70	62	70	4	47,5	34	2,5	6	9
53	69	73	65	73	4	47,5	34	2,5	6	9
55	71	75	67	75	4	47,5	34	2,5	6	9
58	78	83	70	78	4	52,5	39	2,5	6	9
60	80	85	72	80	4	52,5	39	2,5	6	9
63	83	88	75	83	4	52,5	39	2,5	6	9
65	85	90	77	85	4	52,5	39	2,5	6	9
68	88	93	81	90	4	52,5	37	2,5	7	9
70	90	95	83	92	4	60	44	2,5	7	9
75	99	104	88	97	4	60	44	2,5	7	9
80	104	109	95	105	4	60	44	3	7	9
85	109	114	100	110	4	60	44	3	7	9
90	114	119	105	115	4	65	49	3	7	9
95	119	124	110	120	4	65	49	3	7	9
100	124	129	115	125	4	65	49	3	7	9
105	132	145	122,2	134,3	5	70	49	4	10	10
110	137	150	128,2	140,3	5	70	49	4	10	10
115	142	155	136,2	148,3	5	70	49	4	10	10
120	147	160	138,2	150,3	5	70	49	4	10	10
125	152	165	142,2	154,3	5	75	52	4	10	10
130	157	170	146,2	158,3	5	75	52	4	10	10
135	162	175	152,2	164,3	5	75	52	4	10	10
140	167	180	156,2	168,3	5	75	52	4	10	10

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- Single mechanical seal
- Balanced
- Independent of the direction of shaft rotation
- A set of coiled springs
- Springs do not come into contact with the sealed medium
- Outer dimensions according to CSN EN 12756
- Operating limits (depending on material used):

p = 2,5 MPa
t = 220 °C
v = 20 m/s



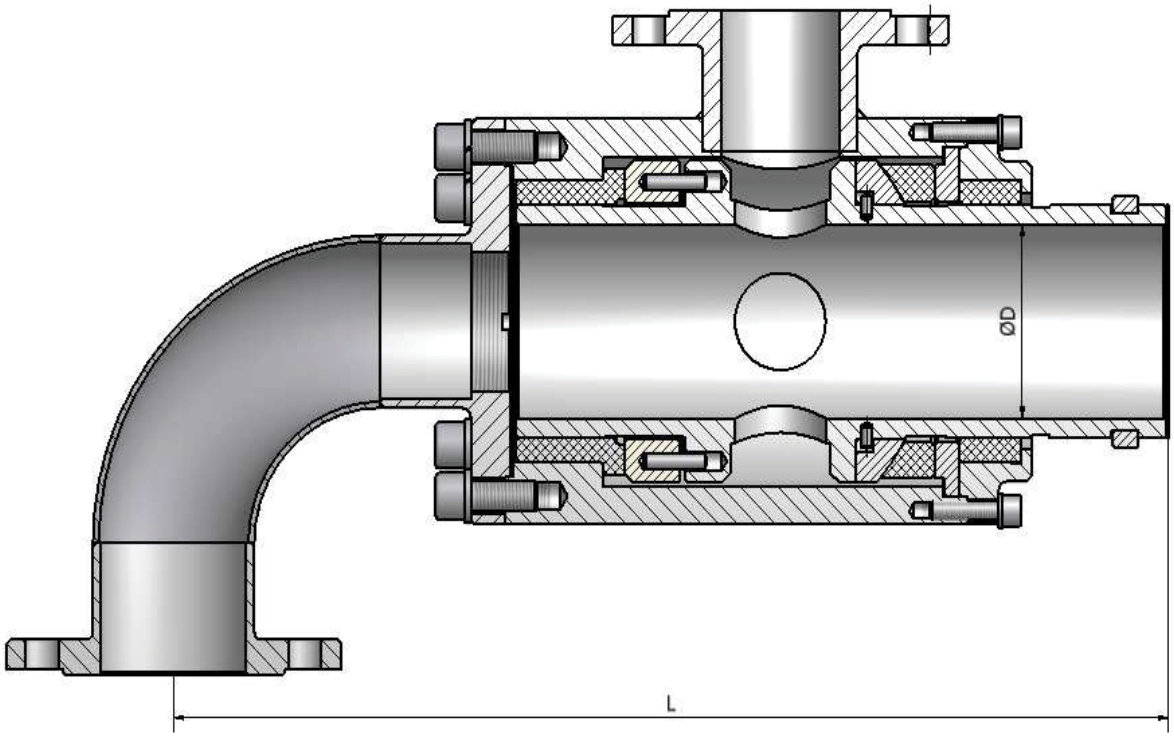
Seal parts:

1. Adjustable ring
2. Seat
3. Carrier
4. Spring
6. O-ring
7. O-ring
8. O-ring
9. Pin
10. Screw

d1	d3	d4-min	d6	d7	d8	l1k	l3	l5	l6	l7
18	32	34	27	33	3	37,5	27	2	5	9
20	34	36	29	35	3	37,5	27	2	5	9
22	36	38	31	37	3	37,5	27	2	5	9
24	38	40	33	39	3	40	30	2	5	9
25	39	41	34	40	3	40	30	2	5	9
28	42	44	37	43	3	42,5	32	2	5	9
30	44	46	39	45	3	42,5	32	2	5	9
32	46	48	42	48	3	42,5	32	2	5	9
33	47	49	42	48	3	42,5	32	2	5	9
35	49	51	44	50	3	42,5	32	2	5	9
38	54	58	49	56	4	45	34	2	6	9
40	56	60	51	58	4	45	34	2	6	9
43	59	63	54	61	4	45	34	2	6	9
45	61	65	56	63	4	45	34	2	6	9
48	64	68	59	66	4	45	34	2	6	9
50	66	70	62	70	4	47,5	34	2,5	6	9
53	69	73	65	73	4	47,5	34	2,5	6	9
55	71	75	67	75	4	47,5	34	2,5	6	9
58	78	83	70	78	4	52,5	39	2,5	6	9
60	80	85	72	80	4	52,5	39	2,5	6	9
63	83	88	75	83	4	52,5	39	2,5	6	9
65	85	90	77	85	4	52,5	39	2,5	6	9
68	88	93	81	90	4	52,5	37	2,5	7	9
70	90	95	83	92	4	60	44	2,5	7	9
75	99	104	88	97	4	60	44	2,5	7	9
80	104	109	95	105	4	60	44	3	7	9
85	109	114	100	110	4	60	44	3	7	9
90	114	119	105	115	4	65	49	3	7	9
95	119	124	110	120	4	65	49	3	7	9
100	124	129	115	125	4	65	49	3	7	9
105	132	145	122,2	134,3	5	70	49	4	10	10
110	137	150	128,2	140,3	5	70	49	4	10	10
115	142	155	136,2	148,3	5	70	49	4	10	10
120	147	160	138,2	150,3	5	70	49	4	10	10

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- Outer dimensions depend on customer specifications and will be delivered together with a technical drawing.
- Operating parameters:

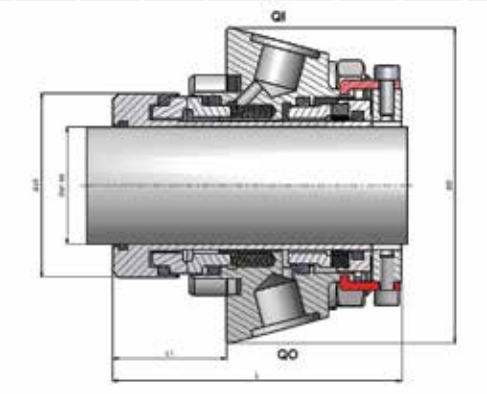


Moreover, we are able to deliver:

- Rotary feeders equipped with one mechanical seal
- Rotary feeders equipped with two mechanical seals

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- Cartridge mechanical seal
- Balanced, double
- Independent of the direction of shaft rotation
- A set of coiled springs
- Springs do not come into contact with the sealed medium
- Flushing "F" according to CSN ISO 9905
- Operating limits (depending on material used):



Pressure of sealed medium	p = 2,0 MPa
	t = 200 °C
	v = 20 m/s
Pressure of flushing liquid	p = 2,0 MPa

Seal parts:

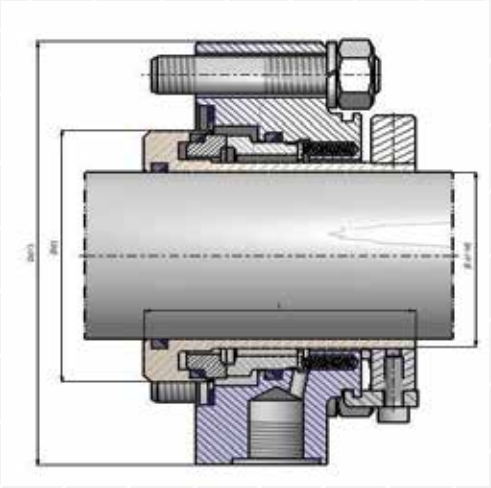
1. Mechanical seal DIS
2. Carrier housing
3. Seal cover
4. End packing
5. Carrier ring
6. Carrier screws
7. Gib
8. O-ring
9. Seal

d	d3	d4 min	d4 max	d5	l	L1	L2	D	a	s
20	38	39	46	52	88	23	22	100	57	14
25	43	44	51	57	88	23	22	105	62	14
28	46	47	52	58	88	23	22	105	62	14
30	48	49	56	62	88	23	22	105	67	14
32	50	51	57	63	88	23	22	110	70	14
33	51	52	58	64	88	23	22	110	70	14
35	53	54	61	67	89	24	22	113	72	14
38	56	57	66	72	89	24	25	123	75	14
40	58	59	68	74	89	24	25	123	77	16
42	60	61	69	75	90	25	25	133	80	16
43	61	62	70	76	90	25	25	133	80	16
45	63	64	73	79	93	27	25	138	82	16
48	66	67	75	81	93	27	25	138	85	16
50	68	69	78	84	93	27	25	148	87	16
53	71	72	81	87	93	27	25	148	90	18
55	73	74	83	89	93	27	25	148	92	18
60	78	79	91	97	93	27	25	157	102	18
65	83	85	98	104	93	27	25	163	109	18
70	93	95	108	114	121	31	27	178	118	18
75	98	100	118	124	121	31	27	190	129	18
80	103	105	124	130	121	31	27	195	135	18
85	108	110	128	134	121	31	27	198	139	22
90	113	116	135	141	123	33	27	205	145	22
95	118	121	138	144	123	33	27	208	148	22
100	123	126	144	150	123	33	27	218	154	22

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- Cartridge mechanical seal
- Balanced
- Independent of the direction of shaft rotation
- A set of coiled springs
- Springs do not come into contact with the sealed medium
- Identical dimensions for quench flushing (DIS/Q)
- Operating limits (depending on material used):

p = 2,5 MPa
t = 200 °C
v = 25 m/s



Seal parts:

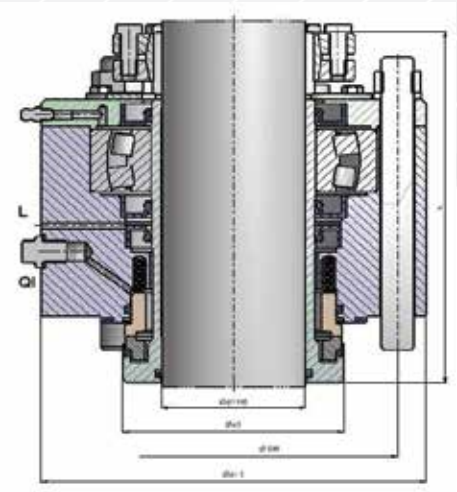
1. Mechanical seal DIS
2. Carrier housing
3. Seal cover
4. Carrier ring
5. Screw
6. Mounting screw
7. Gib
8. O-ring
9. O-ring (seal)

d	d3	d4	d5	d12	d13	d14	l1	l2	l3	G (")
20	48	50	55	77	97	4xM10	101	20	56	1/4
25	53	55	60	82	102	4xM10	101	20	56	1/4
30	58	60	65	87	107	4xM10	102	21	56	1/4
32	63	65	67	94	118	4xM12	104	21	56	1/4
38	68	70	82	109	133	4xM12	104	21	56	1/4
43	73	75	87	114	138	4xM12	104	21	56	3/8
45	78	80	89	116	140	4xM12	107	23	57	3/8
50	83	85	94	121	145	4xM12	109	23	59	3/8
55	88	90	105	132	156	4xM12	109	23	59	3/8
60	98	100	110	145	177	4xM16	116	23	65	3/8
65	103	105	115	150	182	4xM16	121	23	65	3/8
70	108	110	120	155	187	4xM16	125	25	67	3/8
75	113	115	125	160	192	4xM16	125	25	67	3/8
80	118	120	130	165	197	4xM16	125	25	67	3/8
85	123	125	135	170	202	4xM16	125	25	67	3/8
90	128	130	140	175	207	4xM16	126	25	68	3/8
95	142	145	145	180	212	4xM16	137	25	79	3/8
100	147	150	150	185	217	4xM16	137	25	79	3/8
105	152	155	155	190	222	6xM16	137	25	79	3/8
110	157	160	160	195	227	6xM16	140	28	79	3/8
115	162	165	165	200	232	6xM16	140	28	79	3/8
120	167	170	170	205	237	6xM16	140	28	79	3/8
125	172	175	183	218	250	6xM16	142	30	79	3/8
130	177	180	188	223	255	6xM16	142	30	79	3/8
135	182	185	193	239	279	6xM20	142	30	79	3/8
140	187	190	198	244	284	6xM20	142	30	79	3/8
145	198	202	203	249	289	6xM20	160	30	84	3/8
150	203	207	208	254	294	6xM20	160	30	84	1/2
155	208	212	225	271	311	8xM20	160	30	84	1/2
165	223	227	235	281	321	8xM20	161	30	85	1/2
175	233	237	245	291	331	8xM20	165	30	89	1/2
185	243	247	255	301	341	8xM20	165	30	89	1/2
195	253	257	265	311	351	8xM20	165	30	89	1/2
205	263	267	275	330	378	8xM24	165	30	89	1/2
215	273	277	285	340	388	8xM24	165	30	89	1/2
225	283	287	295	350	398	8xM24	165	30	89	1/2
235	293	297	305	360	408	8xM24	165	30	89	1/2

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- Cartridge mechanical seal
- Balanced
- Independent on the direction of shaft rotation
- Set of coiled springs
- Springs do not come into contact with the sealed medium
- Suitable for mixing devices
- Operating limits (depending on material used):

p = 2,5 MPa
t = 200 °C
v = 25 m/s



Seal parts:

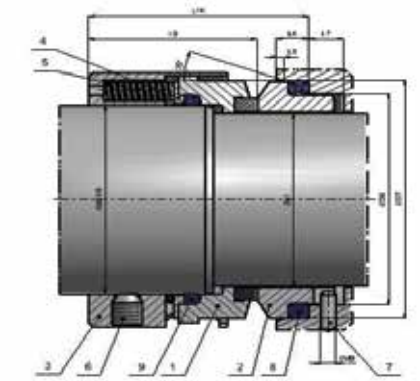
1. Mechanical seal DIS
2. Carrier housing
3. Seal cover
4. Clamp connection
5. Bearing
6. Mounting screw
7. Gib
8. O-ring
9. O-ring (seal)

d	d3	d4	d5	d12	d13	d14	l	l1	l2	G (")
20	48	50	55	77	97	4xM10	101	20	56	1/4
25	53	55	60	82	102	4xM10	101	20	56	1/4
30	58	60	65	87	107	4xM10	102	21	56	1/4
32	63	65	67	94	118	4xM12	104	21	56	1/4
38	68	70	82	109	133	4xM12	104	21	56	1/4
43	73	75	87	114	138	4xM12	104	21	56	3/8
45	78	80	89	116	140	4xM12	107	23	57	3/8
50	83	85	94	121	145	4xM12	109	23	59	3/8
55	88	90	105	132	156	4xM12	109	23	59	3/8
60	98	100	110	145	177	4xM16	116	23	65	3/8
65	103	105	115	150	182	4xM16	121	23	65	3/8
70	108	110	120	155	187	4xM16	125	25	67	3/8
75	113	115	125	160	192	4xM16	125	25	67	3/8
80	118	120	130	165	197	4xM16	125	25	67	3/8
85	123	125	135	170	202	4xM16	125	25	67	3/8
90	128	130	140	175	207	4xM16	126	25	68	3/8
95	142	145	145	180	212	4xM16	137	25	79	3/8
100	147	150	150	185	217	4xM16	137	25	79	3/8
105	152	155	155	190	222	6xM16	137	25	79	3/8
110	157	160	160	195	227	6xM16	140	28	79	3/8
115	162	165	165	200	232	6xM16	140	28	79	3/8
120	167	170	170	205	237	6xM16	140	28	79	3/8
125	172	175	183	218	250	6xM16	142	30	79	3/8
130	177	180	188	223	255	6xM16	142	30	79	3/8
135	182	185	193	239	279	6xM20	142	30	79	3/8
140	187	190	198	244	284	6xM20	142	30	79	3/8
145	198	202	203	249	289	6xM20	160	30	84	3/8
150	203	207	208	254	294	6xM20	160	30	84	1/2
155	208	212	225	271	311	8xM20	160	30	84	1/2
165	223	227	235	281	321	8xM20	161	30	85	1/2
175	233	237	245	291	331	8xM20	165	30	89	1/2
185	243	247	255	301	341	8xM20	165	30	89	1/2
195	253	257	265	311	351	8xM20	165	30	89	1/2
205	263	267	275	330	378	8xM24	165	30	89	1/2
215	273	277	285	340	388	8xM24	165	30	89	1/2
225	283	287	295	350	398	8xM24	165	30	89	1/2
235	293	297	305	360	408	8xM24	165	30	89	1/2

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- Single mechanical seal
- Balanced
- Independent on the direction of shaft rotation
- Set of coiled springs
- Outer dimensions according to CSN EN 12756
- Operating limits (depending on material used):

p = 2,5 MPa
t = 200 °C
v = 20 m/s



Seal parts:

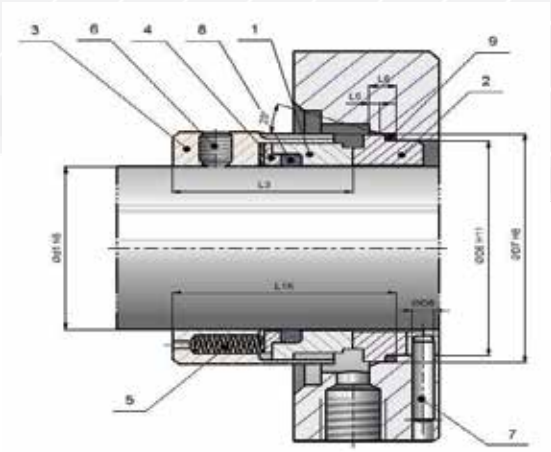
1. Adjustable ring
2. Seat
3. Carrier
4. Thrust ring
5. Spring
6. Screw
7. Pin
8. O-ring
9. O-ring

d1	d2	d3	d4	d6	d7	d8	l1k	l2	l3	l5	l6	l7
18	22	36	38	27	33	3	45	20	34,5	2	5	9
20	24	38	40	29	35	3	45	20	34,5	2	5	9
22	26	40	42	31	37	3	45	20	34,5	2	5	9
24	28	42	44	33	39	3	47,5	20	37	2	5	9
25	30	44	46	34	40	3	47,5	20	37	2	5	9
28	33	47	49	37	43	3	50	20	39,5	2	5	9
30	35	49	51	39	45	3	50	20	39,5	2	5	9
32	38	54	58	42	48	3	50	20	39,5	2	5	9
33	38	54	58	42	48	3	50	20	39,5	2	5	9
35	40	56	60	44	50	3	50	20	39,5	2	5	9
38	43	59	63	49	56	4	52,5	23	41	2	6	9
40	45	61	65	51	58	4	52,5	23	41	2	6	9
43	48	64	68	54	61	4	52,5	23	41	2	6	9
45	50	66	70	56	63	4	52,5	23	41	2	6	9
48	53	69	73	59	66	4	52,5	23	41	2	6	9
50	55	71	75	62	70	4	57,5	25	44	2,5	6	9
53	58	76	83	65	73	4	57,5	25	44	2,5	6	9
55	60	80	85	67	75	4	57,5	25	44	2,5	6	9
58	63	83	88	70	78	4	62,5	25	49	2,5	6	9
60	65	85	90	72	80	4	62,5	25	49	2,5	6	9
63	68	88	93	75	83	4	62,5	25	49	2,5	6	9
65	70	90	95	77	85	4	62,5	25	49	2,5	6	9
70	75	99	104	83	92	4	70	28	54	2,5	7	9
75	80	104	109	88	97	4	70	28	54	2,5	7	9
80	85	109	114	95	105	4	70	28	53,5	3	7	9
85	90	114	119	100	110	4	75	28	58,5	3	7	9
90	95	119	124	105	115	4	75	28	58,5	3	7	9
95	100	124	129	110	120	4	75	28	58,5	3	7	9
100	105	129	134	115	125	4	75	32	58,5	3	7	9
105	115	142	150	122,2	134,3	5	80	32	59	4	10	10
110	120	147	155	128,2	140,3	5	80	32	59	4	10	10
115	125	152	160	136,2	148,3	5	80	32	59	4	10	10
120	130	157	165	138,2	150,3	5	80	32	59	4	10	10
125	135	162	170	142,2	154,3	5	85	32	62	4	10	10
130	140	167	175	146,2	158,3	5	75	32	52	4	10	10
135	145	172	180	152,2	164,3	5	75	32	52	4	10	10
140	150	177	185	156,2	168,3	5	75	36	52	4	10	10

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- Single mechanical seal
- Unbalanced
- Independent of the direction of shaft rotation
- Set of coiled springs
- Outer dimensions according to CSN EN 12756
- Operating limits (depending on material used):

p = 1,6 MPa
t = 200 °C
v = 20 m/s



Seal parts:

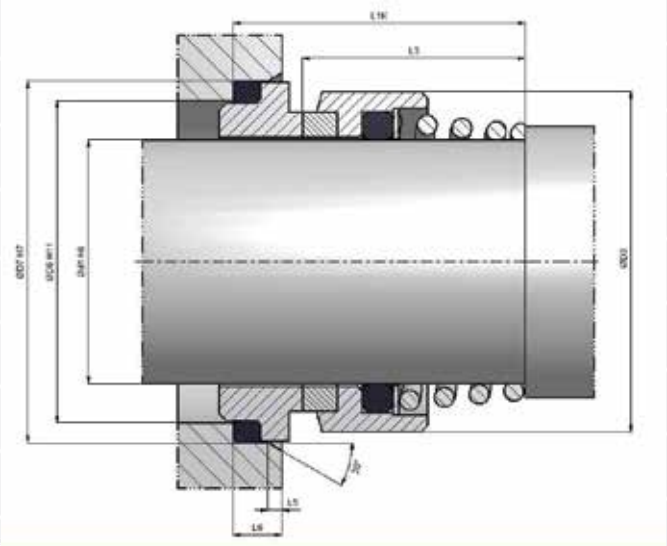
1. Adjustable ring
2. Seat
3. Carrier
4. Thrust ring
5. Spring
6. Screw
7. Pin
8. O-ring
9. O-ring

d1	d3	d4-min	d6	d7	d8	l1k	l3	l5	l6	l7
18	32	34	27	33	3	37,5	27	2	5	9
20	34	36	29	35	3	37,5	27	2	5	9
22	36	38	31	37	3	37,5	27	2	5	9
24	38	40	33	39	3	40	30	2	5	9
25	39	41	34	40	3	40	30	2	5	9
28	42	44	37	43	3	42,5	32	2	5	9
30	44	46	39	45	3	42,5	32	2	5	9
32	46	48	42	48	3	42,5	32	2	5	9
33	47	49	42	48	3	42,5	32	2	5	9
35	49	51	44	50	3	42,5	32	2	5	9
38	54	58	49	56	4	45	34	2	6	9
40	56	60	51	58	4	45	34	2	6	9
43	59	63	54	61	4	45	34	2	6	9
45	61	65	56	63	4	45	34	2	6	9
48	64	68	59	66	4	45	34	2	6	9
50	66	70	62	70	4	47,5	34	2,5	6	9
53	69	73	65	73	4	47,5	34	2,5	6	9
55	71	75	67	75	4	47,5	34	2,5	6	9
58	78	83	70	78	4	52,5	39	2,5	6	9
60	80	85	72	80	4	52,5	39	2,5	6	9
63	83	88	75	83	4	52,5	39	2,5	6	9
65	85	90	77	85	4	52,5	39	2,5	6	9
68	88	93	81	90	4	52,5	37	2,5	7	9
70	90	95	83	92	4	60	44	2,5	7	9
75	99	104	88	97	4	60	44	2,5	7	9
80	104	109	95	105	4	60	44	3	7	9
85	109	114	100	110	4	60	44	3	7	9
90	114	119	105	115	4	65	49	3	7	9
95	119	124	110	120	4	65	49	3	7	9
100	124	129	115	125	4	65	49	3	7	9
105	132	145	122,2	134,3	5	70	49	4	10	10
110	137	150	128,2	140,3	5	70	49	4	10	10
115	142	155	136,2	148,3	5	70	49	4	10	10
120	147	160	138,2	150,3	5	70	49	4	10	10
125	152	165	142,2	154,3	5	75	52	4	10	10
130	157	170	146,2	158,3	5	75	52	4	10	10
135	162	175	152,2	164,3	5	75	52	4	10	10
140	167	180	156,2	168,3	5	75	52	4	10	10
145	172	185	161,2	173,3	5	75	52	4	10	10

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- Single mechanical seal
- Unbalanced
- Direction of rotation depends on spring wind direction
- Outer dimensions according to CSN EN 12756
- Operating limits (depending on material used):

p = 1,2 MPa
t = 180 °C
v = 15 m/s



Seal parts:
1. Adjustable ring
2. Seat
3. Retainer ring
4. Washer
5. Spring
6. Screw
(7. Pin)
8. O-ring
9. O-ring

d1	d3	d4-min	d6	d7	d8	l1K	l1N	l3	l5	l6	l7
10	20	22	17	21	3	27	35	18	1,5	4	8,5
12	22	24	19	23	3	27	35	18	1,5	4	8,5
14	24	26	21	25	3	28	36	19	1,5	4	8,5
(15)	25	28	20,5	24,6	3	28	36	19	1,5	4	8,5
16	26	28	23	27	3	28	36	19	1,5	4	8,5
18	30	34	27	33	3	33	41	22,5	2	5	9
20	32	36	29	35	3	34	42	23,5	2	5	9
22	34	38	31	37	3	34	42	23,5	2	5	9
24	37	40	33	39	3	35	43	24,5	2	5	9
25	38	41	34	40	3	35	43	24,5	2	5	9
28	42	44	37	43	3	42,5	50	32	2	5	9
30	44	46	39	45	3	42,5	50	32	2	5	9
32	47	48	42	48	3	42,5	52,5	32	2	5	9
33	47	49	42	48	3	42,5	52,5	32	2	5	9
35	49	51	44	50	3	42,5	52,5	32	2	5	9
38	54	58	49	56	4	45	55	33,5	2	6	9
40	56	60	51	58	4	45	55	33,5	2	6	9
43	59	63	54	61	4	45	60	33,5	2	6	9
45	61	65	56	63	4	45	60	33,5	2	6	9
48	64	68	59	66	4	45	60	33,5	2	6	9
50	66	70	62	70	4	47,5	62,5	34	2,5	6	9
53	69	73	65	73	4	47,5	62,5	34	2,5	6	9
55	71	75	67	75	4	47,5	62,5	34	2,5	6	9
58	76	83	70	78	4	52,5	67,5	39	2,5	6	9
60	80	85	72	80	4	52,5	67,5	39	2,5	6	9
63	83	88	75	83	4	52,5	67,5	39	2,5	6	9
65	85	90	77	85	4	52,5	67,5	39	2,5	6	9
68	88	93	81	90	4	52,5	67,5	38,5	2,5	7	9
70	90	95	83	92	4	60	75	44	2,5	7	9

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