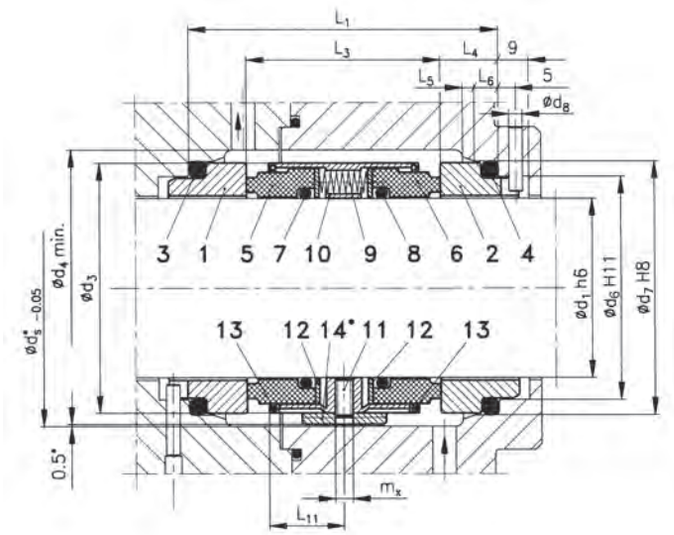
- Double mechanical seal:
- Unbalanced
- Multi-spring
- Independent of the direction of shaft rotation
- (unless pumping screw is applied*)

Operating limits*		
Pressure	p_{max}	1.0 MPa
Temperature	t_{max}	200 °C
Speed	v_{max}	20 m/s (4000 rpm)

* - see note on page 3.



Legend

1. Stationary ring
2. Stationary ring
3. O-ring
4. O-ring
5. Rotating ring
6. Rotating ring
7. O-ring
8. O-ring
9. Spring
10. Seal housing
11. Set screw
12. Thrust plate
13. Snap spring ring
14. Pumping screw (option)*

* - Version with pumping screw (flushing system). Dependent on the direction of shaft rotation.

Application

Double mechanical seals are recommended for liquids which do not form lubricating films and for toxic, flammable and explosive media handled by centrifugal pumps and other
equipment with rotating shaft.
The use of barrier or buffer fluid system assures reliable run of the seal providing lubrication, cooling and removal of deposits from sliding faces area.

Materials

Part	Code
Rotating ring	A, B, Q
Stationary ring	U2, Q, V, S
Secondary, flexible seals	E, K, V
Spring	M
Other metal parts	G

Dimensions (mm)

D1	D3	D4	D6	D7	D8	DS*	L1	L3**	L4	L5	L6	L11	Mx
18	32	34	27	33	3	38	63,	40,0	11,5	2,0	5	16,5	M6
20	34	36	29	35	3	40	63,0	40,0	11,5	2,0	5	16,5	M6
22	36	38	31	37	3	42	63,0	40,0	11,5	2,0	5	16,5	M6
24	38	40	33	39	3	44	67,0	44,0	11,5	2,0	5	17,5	M6
25	39	41	34	40	3	45	67,0	44,0	11,5	2,0	5	17,5	M6
28	42	44	37	43	3	48	69,0	46,0	11,5	2,0	5	18,0	M6
30	44	46	39	45	3	50	69,0	46,0	11,5	2,0	5	18,0	M6
32	46	48	42	48	3	52	69,0	46,0	11,5	2,0	5	18,0	M6
33	47	49	42	48	3	53	69,0	46,0	11,5	2,0	5	18,0	M6
35	49	51	44	50	3	55	69,0	46,0	11,5	2,0	5	18,0	M6
38	54	58	49	56	4	61	78,0	50,0	14,0	2,0	6	20,5	M6
40	56	60	51	58	4	63	78,0	50,0	14,0	2,0	6	20,5	M6
43	59	63	54	61	4	66	78,0	50,0	14,0	2,0	6	20,5	M6
45	61	65	56	63	4	68	78,0	50,0	14,0	2,0	6	20,5	M6
48	64	68	59	66	4	71	78,0	50,0	14,0	2,0	6	20,5	M6
50	66	70	62	70	4	73	82,0	52,0	15,0	2,5	6	21,0	M6
53	69	73	65	73	4	76	82,0	52,0	15,0	2,5	6	21,0	M6
55	71	75	67	75	4	78	82,0	52,0	15,0	2,5	6	21,0	M6
58	78	83	70	78	4	85	90,0	60,0	15,0	2,5	6	26,0	M6
60	80	85	72	80	4	87	90,0	60,0	15,0	2,5	6	26,0	M6
63	83	88	75	83	4	90	90,0	60,0	15,0	2,5	6	26,0	M6
65	85	90	77	85	4	92	90,0	60,0	15,0	2,5	6	26,0	M6
68	88	93	81	90	4	95	90,0	60,0	15,0	2,5	7	26,0	M6
70	90	95	83	92	4	97	94,0	60,0	17,0	2,5	7	26,0	M6
75	99	104	88	97	4	106	95,5	61,5	17,0	2,5	7	25,5	M8
80	104	109	95	105	4	111	95,5	61,5	17,0	3,0	7	25,5	M8
85	109	114	100	110	4	116	95,5	61,5	17,0	3,0	7	25,5	M8
90	114	119	105	115	4	123	95,5	61,5	17,0	3,0	7	25,5	M8
95	119	124	110	120	4	128	95,5	61,5	17,0	3,0	7	25,5	M8
100	124	129	115	125	4	133	95,5	61,5	17,0	3,0	7	25,5	M8
105	130	135	120	130	4	139	110,0	70,0	20,0	3,0	7	30,5	M8
110	135	140	125	135	4	144	110,0	70,0	20,0	3,0	7	30,5	M8
115	140	145	130	140	4	149	110,0	70,0	20,0	3,0	7	30,5	M8
120	**145**	**150**	**135**	**145**	**4**	**154**	**110,0**	**70,0**	**20,0**	**3,0**	**7**	**30,5**	**M8**
125	150	155	140	150	4	159	110,0	70,0	20,0	3,0	7	30,5	M8

** tolerance of L_3 dimension is ± 0.5 mm
Other dimensions are available as an option. Please contact ANGA.