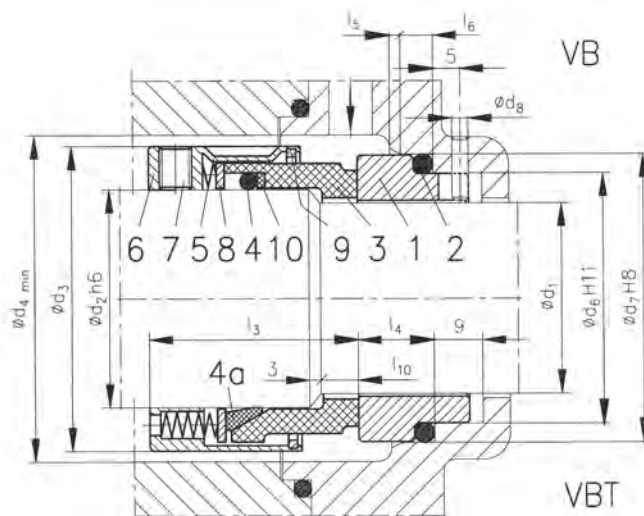


Operating limits**		
Pressure	p_{max}	2.5 MPa .. 5.0 MPa *
Temperature	t_{max}	200 °C
Speed	v_{max}	25 m/s (4000 rpm)

* - maximum pressure depends on the diameter of mechanical seal: 2.5 MPa - dia 100 mm, 5.0 MPa - dia 18 mm.

** - see note on page 3.



Dimensions (mm)

* - diameter d_2 is a nominal dimension of VB, VBT seals.

D1	D2 *	D3	D4	D6	D7	D8	L3 **	L4	L5	L6	L10
18	22	36	38	27	33	3	33,5	11,5	2,0	5	8,5
20	24	38	40	29	35	3	33,5	11,5	2,0	5	8,5
22	26	40	42	31	37	3	33,5	11,5	2,0	5	8,5
24	28	42	44	33	39	3	36,0	11,5	2,0	5	8,5
25	30	44	46	34	40	3	36,0	11,5	2,0	5	8,5
28	33	47	49	37	43	3	38,5	11,5	2,0	5	8,5
30	35	49	51	39	45	3	38,5	11,5	2,0	5	8,5
32	38	54	58	42	48	3	38,5	11,5	2,0	5	8,5
33	38	54	58	42	48	3	38,5	11,5	2,0	5	8,5
35	40	56	60	44	50	3	38,5	11,5	2,0	5	8,5
38	43	59	63	49	56	4	38,5	14,0	2,0	6	9,0
40	45	61	65	51	58	4	38,5	14,0	2,0	6	9,0
43	48	64	68	54	61	4	38,5	14,0	2,0	6	9,0
45	50	66	70	56	63	4	38,5	14,0	2,0	6	9,0
48	53	69	73	59	66	4	38,5	14,0	2,0	6	9,0
50	55	71	75	62	70	4	42,5	15,0	2,5	6	10,0
53	58	78	83	65	73	4	42,5	15,0	2,5	6	10,0
55	60	80	85	67	75	4	42,5	15,0	2,5	6	10,0
58	63	83	88	70	78	4	47,5	15,0	2,5	6	10,0
60	65	85	90	72	80	4	47,5	15,0	2,5	6	10,0
63	68	88	93	75	83	4	47,5	15,0	2,5	6	10,0
65	70	90	95	77	85	4	47,5	15,0	2,5	6	10,0
70	75	99	104	83	92	4	53,0	17,0	2,5	7	11,0
75	80	104	109	88	97	4	53,0	17,0	2,5	7	11,0
80	85	109	114	95	105	4	53,0	17,0	3,0	7	11,0
85	90	114	119	100	110	4	58,0	17,0	3,0	7	11,0
90	95	119	124	105	115	4	58,0	17,0	3,0	7	11,0
95	100	124	129	110	120	4	58,0	17,0	3,0	7	11,0
100	105	130	135	115	125	4	58,0	17,0	3,0	7	11,0
105	110	135	140	120	130	4	55,0	20,0	3,0	7	8,0
110	115	140	145	125	135	4	55,0	20,0	3,0	7	8,0
115	120	145	150	130	140	4	55,0	20,0	3,0	7	8,0
120	125	150	155	135	145	4	55,0	20,0	3,0	7	8,0
125	130	155	160	140	150	4	55,0	20,0	3,0	7	8,0

** tolerance of L_3 dimension is ± 0.5 mm

Other dimensions are available as an option. Please contact ANGA.

- Single mechanical seal
- Balanced
- Independent of the direction of shaft rotation
- Multi-spring

Legend

- | | |
|-------------------------------------|---------------------------------|
| 1. Stationary ring | 5. Springs |
| 2. O-ring | 6. Seal housing |
| 3. Rotating ring | 7. Set screw |
| 4. O-ring | 8. Thrust plate |
| 4a. PTFE wedge gasket (version VBT) | 9. Snap spring ring |
| | 10. Anti-extrusion support ring |

Application

General purpose seal designed for use with petroleum products, poorly aggressive chemicals, and refrigerants in centrifugal pumps and other equipment with rotating shafts.

Materials

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