

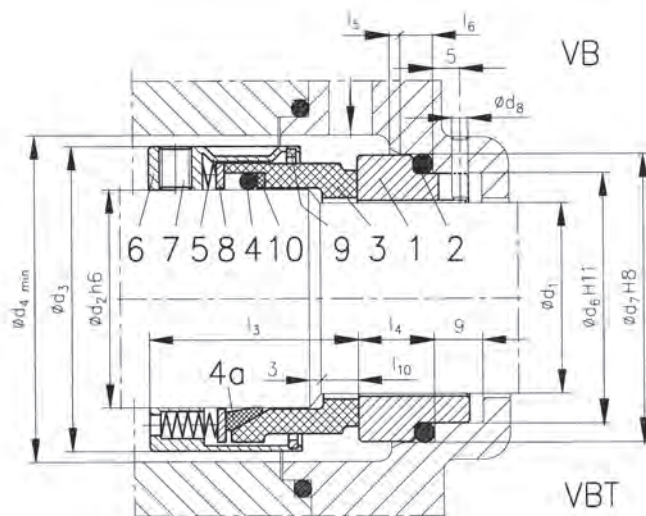
Operating limits**		
Pressure	$p_{max}$	2.5 MPa .. 5.0 MPa *
Temperature	$t_{max}$	200 °C
Speed	$v_{max}$	25 m/s (4000 rpm)

\* - 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.



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



## 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  $\pm 0.5$  mm

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

## 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