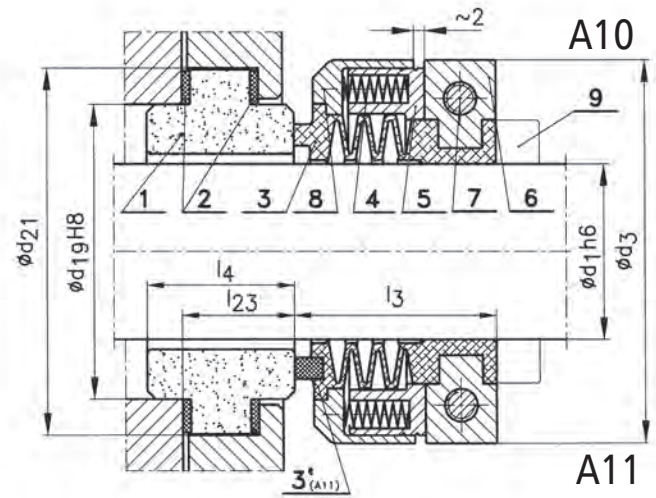


A10, A11

Operating limits*		
Pressure	p_{max}	0.9 MPa
Temperature	t_{max}	120 °C
Speed	v_{max}	8 m/s (2500 rpm)

* - see note on page 3.

- Single, outside mounted mechanical seal
- With PTFE bellows
- Balanced
- Dual directional
- Multi-spring



Application

Type A10/A11 mechanical seals are designed for use in extremely corrosive environments (A10 only for non-abrasive applications). All metal components, including springs are isolated from the sealed, aggressive medium.

Dimensions (mm)

D1	D3	D19	D21	L3	L4	L23
20	57	39,7	51	31	17,6	13,8
22	57	39,7	51	31	17,6	13,8
24	61	42,9	54	33	17,6	13,8
25	61	42,9	54	33	17,6	14,3
28	67	50,8	65	36	27,0	20,5
30	70	54,0	68	37	27,0	20,5
32	70	54,0	68	37	27,0	20,5
33	73	57,2	71	38	27,0	20,5
35	73	57,2	71	38	27,0	20,5
38	76	63,5	78	38	27,0	20,5
40	80	66,7	81	40	27,0	20,5
43	83	69,9	84	40	27,0	20,5
45	83	69,9	84	40	27,0	20,5
48	89	79,4	97	43	33,3	25,3
50	89	79,4	97	43	33,3	25,3
53	103	82,6	100	53	33,3	25,8
55	107	85,8	103	53	33,3	25,8
58	110	88,9	106	53	33,3	25,8
60	110	88,9	106	53	33,3	25,8
63	113	92,1	110	53	33,3	25,8
65	116	95,3	113	53	33,3	25,8
68	118	98,5	116	53	33,3	25,8
70	118	98,5	116	53	33,3	25,8
75	126	103,2	121	53	34,3	26,3
80	150	114,3	132	73	34,3	26,3

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

Legend

- | | |
|------------------------|--------------------|
| 1. Stationary ring | 6. Thrust plate |
| 2. Flat gasket | 7. Set screw |
| 3,3'. Rotating ring ** | 8. Bellows housing |
| 4. Springs | 9. Thrust ring * |
| 5. Spring housing | |

* - It is recommended to block any possible movement of the rotating unit by a thrust ring in case of sealed pressure exceeding 0.4 MPa.

** - version A11 is available with rotating ring with carbon graphite wear resistant insert for abrasive applications.

Note:

Type A10/A11 seals incorporate visual wear indicators of rotating ring (pos. 3,3') in the spring housing (pos. 5):

- green line - means initial seal operating adjustment,
- red line - means that the rotating ring - bellows needs service.

Materials

Part	Code A10	Code A11
Rotating ring	Y	B, A
Stationary ring	Q, V	
Secondary, flexible seals	T1	
Spring	M	
Other metal parts	G	