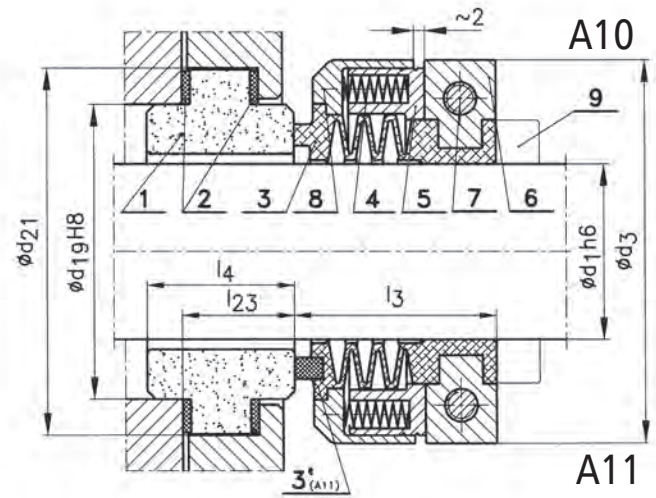


A10, A11

| 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.

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.

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.

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 | |