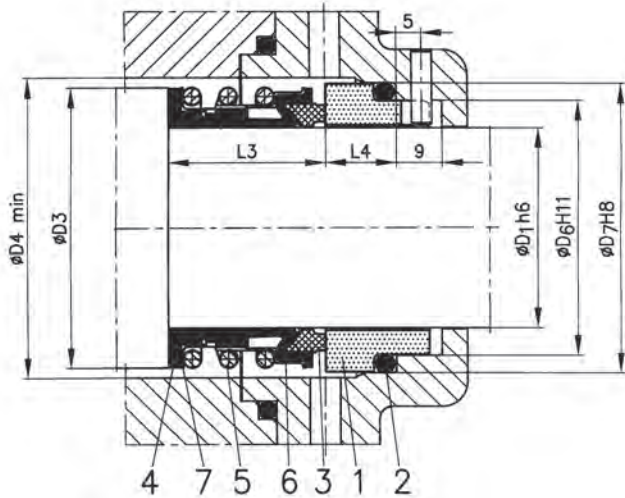


- Single mechanical seal
- Balanced
- Central, non-clogging coil spring
- Dual-direction of shaft rotation
- Elastomer bellows protected against twisting
- Easy and quick installation
- Installation acc. to DIN 24960, EN 12756 and ISO 3069

Operating limits**		
Pressure	p_{max}	2.0 MPa *
Temperature	t_{max}	150 °C
Speed	v_{max}	10 m/s (3000 rpm)

* - Maximum pressure depends on the diameter of mechanical seal.

** - see note on page 3.



Legend

- | | |
|----------------------|----------------------|
| 1. Stationary ring | 5. Spring |
| 2. O-ring | 6. Front thrust ring |
| 3. Rotating ring | 7. Rear thrust ring |
| 4. Elastomer bellows | |

Application

Universal, general purpose mechanical seal for water/water based solutions, oils, fuels and other fluids even with some content of abrasives and it is suitable for various operating conditions. Design intended for centrifugal pumps and other rotary equipment in industrial applications (food processing, water systems, wastewater treatment, petrochemical processing, pulp and paper).

Note

The A41 version of the A4 seal is available, sized to direct application in the place of A1 seal (L_3 dimension for particular size is the same as for the A1 seal).

Materials

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

Dimensions (mm)

D1	D3	D4	D6	D7	L3*	L4
16	26	28	23	27	26,0	10,0
18	32	34	27	33	26,0	11,5
20	34	36	29	35	26,0	11,5
22	36	38	31	37	26,0	11,5
24	38	40	33	39	28,5	11,5
25	39	41	34	40	28,5	11,5
26	40	42	34	40	28,5	11,5
28	42	44	37	43	31,0	11,5
30	44	46	39	45	31,0	11,5
32	46	48	42	48	31,0	11,5
33	47	49	42	48	31,0	11,5
35	49	51	44	50	31,0	11,5
38	54	58	49	56	31,0	14,0
40	56	60	51	58	31,0	14,0
43	59	63	54	61	31,0	14,0
45	61	65	56	63	31,0	14,0
48	64	68	59	66	31,0	14,0
50	66	70	62	70	32,5	15,0
53	69	73	65	73	32,5	15,0
55	71	75	67	75	32,5	15,0
58	78	83	70	78	37,5	15,0
60	80	85	72	80	37,5	15,0
63	83	88	75	83	37,5	15,0
65	85	90	77	85	37,5	15,0
68	88	93	81	90	37,5	15,0
70	90	95	83	92	43,0	17,0
75	99	104	88	97	43,0	17,0
80	104	109	95	105	43,0	17,0

* tolerance of L_3 dimension for $d_1 = 10 \div 30 \text{ mm} \pm 0.5 \text{ mm}$
 $d_1 = 32 \div 80 \text{ mm} \pm 1.0 \text{ mm}$

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