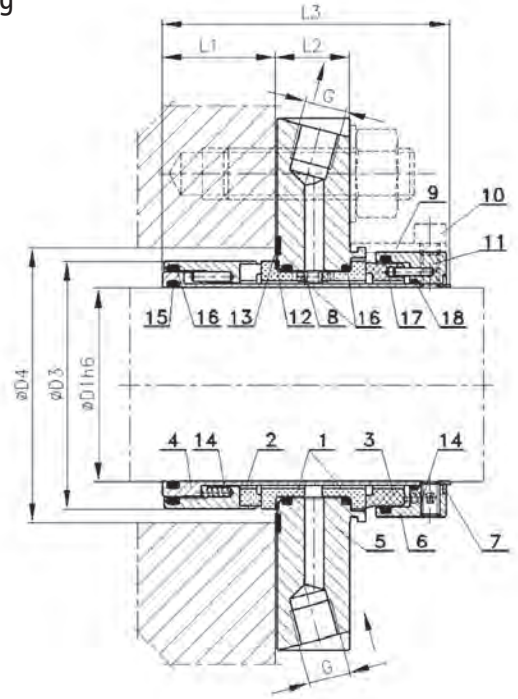
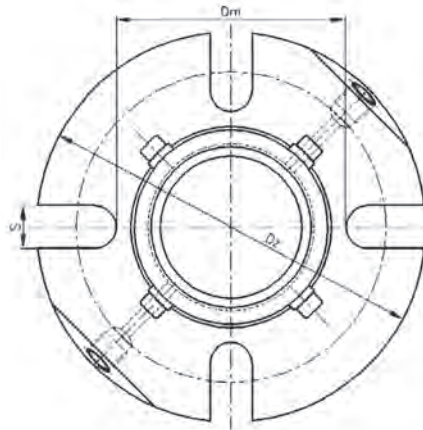


Operating limits*		
Pressure	$p_{max}$	2.0 MPa
Temperature	$t_{max}$	120 °C
Speed	$v_{max}$	12,5 m/s

\* - see note on page 3.

- Double seal
- Compact (cartridge) design
- Balanced
- Dual directional
- Multispring



## Dimensions (mm)

D1	D3	D4min	D4max	Dm	Dz	L1	L2	L3	S	G
24	39.2	40.0	46.0	54.0	105	32.5	21	85	14	1/4
25	40.2	41.0	49.0	54.0	105	32.5	21	85	14	1/4
28	43.2	44.0	52.5	57.0	108	32.5	21	85	14	1/4
30	45.2	46.0	55.5	60.5	111	32.5	21	85	14	1/4
32	47.2	48.0	55.5	60.5	111	32.5	21	85	14	1/4
33	48.2	49.0	55.5	60.5	111	32.5	21	85	14	1/4
35	50.2	51.0	57.5	63.5	111	32.5	21	85	14	1/4
38	55.0	57.2	60.5	71.5	127	34	23	87	14	1/4
40	57.0	58.0	60.5	71.5	127	34	23	87	14	1/4
43	60.0	61.0	63.5	71.5	127	34	23	87	14	1/4
45	62.0	63.5	70.0	81.0	140	34	23	87	14	1/4
48	65.0	66.7	73.0	81.0	140	34	23	87	14	1/4
50	67.0	68.0	73.0	81.0	140	34	23	87	14	1/4
53	70.0	71.0	76.0	90.5	152	35	23	89	14	1/4
55	72.5	74.0	79.5	90.5	152	35	23	89	14	1/4
58	75.0	76.2	82.5	96.8	165	35	23	89	18	1/4
60	77.0	79.4	86.0	96.8	165	35	23	89	18	1/4
63	84.0	85.8	92.0	109.5	178	38	25	98	18	1/4
65	86.0	88.9	95.0	109.5	178	38	25	98	18	1/4
68	90.0	92.1	98.5	109.5	178	38	25	98	18	1/4
70	90.0	92.1	98.5	109.5	178	38	25	98	18	1/4
75	96.0	98.5	108.0	125.5	190	38	25	98	18	1/4
80	100.5	101.6	111.0	125.5	190	38	25	98	18	1/4
85	107.0	108.0	117.5	135.0	203	38	25	98	22	1/4
90	111.5	114.3	127.0	151.0	216	38	25	98	22	1/4
95	116.0	117.5	130.5	151.0	216	38	25	98	22	1/4
100	121.0	123.9	140.0	168.0	228	38	25	98	22	1/4
105	127.0	130.0	149.0	168.0	228	38	25	98	22	1/4
110	132.5	136.5	159.0	178.0	241	38	25	98	22	1/4
115	141.5	142.9	168.0	186.5	254	38	25	98	22	1/4
120	141.5	142.9	168.0	186.5	254	38	25	98	22	1/4
125	146.5	149.2	168.0	186.5	254	38	25	98	22	1/4

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

## Legend

- |                    |                       |
|--------------------|-----------------------|
| 1. Stationary ring | 10. Socket head screw |
| 2. Rotating ring   | 11. Grub screw        |
| 3. Rotating ring   | 12. Thrust ring       |
| 4. Sleeve          | 13. Flat gasket       |
| 5. Cover           | 14. Springs           |
| 6. Clamping ring   | 15. O-ring            |
| 7. Expanding ring  | 16. O-ring            |
| 8. Pin             | 17. O-ring            |
| 9. Distance plate  | 18. O-ring            |

## Application

USP is a mechanical seal used for high viscosity products containing abrasive particles.

USP mechanical seal requires the following fluid installations:

- buffer (API Plan 52) or
- barrier (API Plan 53).

## Note

Max. pressure of barrier fluid is 1.6 MPa, but max. overpressure of barrier fluid is 0.5 MPa.

## Materials

Part	Code
Rotating rings	A, B, U, Q
Stationary rings	Q, U
Secondary, flexible seals	V
Other metal parts	G