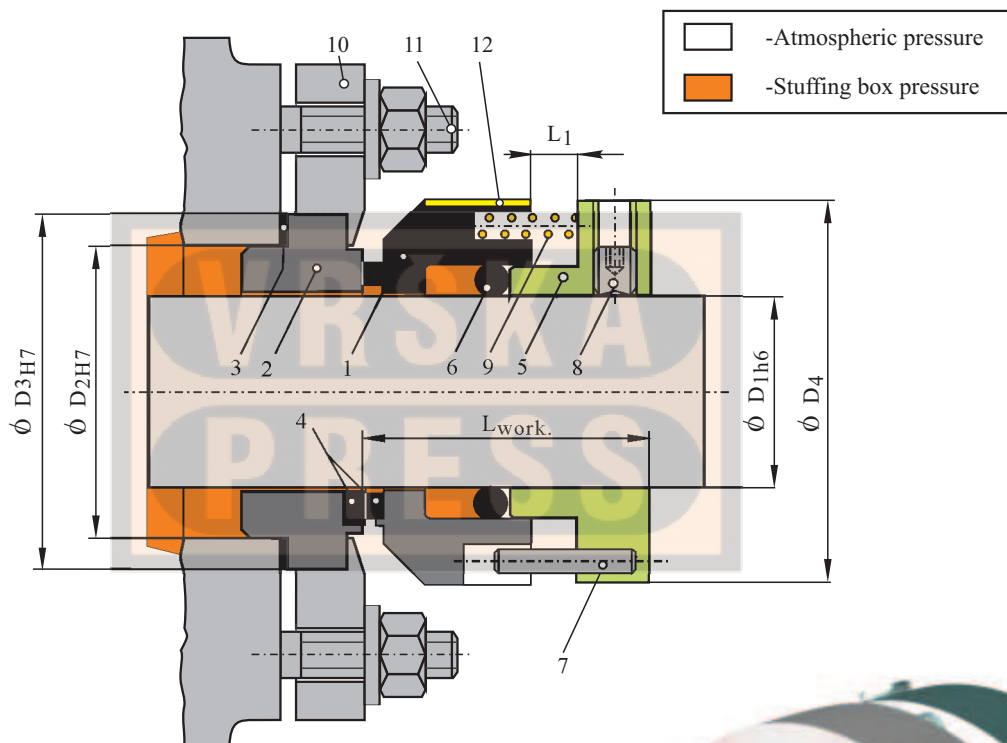


Single, Outer, Balanced mechanical seal Independent of the shaft rotating direction



LIMITING FACTORS

$D1 = 24 \dots 80 \text{ mm}$
 $p1 = 10 \text{ bar}$
 $t = 204^\circ\text{C}$
 $v_g = 17 \text{ m/s}$
 $pV = 170 \text{ bar m/s}$

LIST OF ELEMENTS

1. Rotary seal ring
2. Stationary seat
3. Stationary seat secondary seal
4. Inserted sliding face
5. Housing
6. Rotary set secondary seal
7. Pin
8. Driving screw
9. Spring
10. Stationary seat flange
11. Flange fixing screw
12. Reinforcing ring

Working conditions

This outer, balanced mechanical seal is of a simple and compact design. It can be used at lower speeds and pressures than an inner mechanical seal. Pressure ranges from vacuum to 10 bar, temperature from -40°C to 204°C .



DIMENSION TABLE

D1	L _{work}	L1	D2	D3	D4
24/25	53	4	42	53,5	66
30	53	4	49	60,5	75
33	53	4	54	68,5	74
35	53	4	54	68,5	80
38	53	4	62	76,5	82
40	53	4	62	76,5	85
45	53	4	67	81,5	90
50	53	4	72	86,5	93
53	53	4	80	97,5	98
58	53	4	83	100,5	102
60	53	4	85	102,5	102
65	53	4	90	107,5	107
70	53	4	95	112,5	110
75	53	4	100	117,5	114
80	53	4	105	122,5	117

Design and constructive characteristics

It is suitable for application at places where a quick mounting and dismounting is necessary, where the sealing space is shallow and there is not enough radial and axial space for an inner seal tightening and where sealing faces wear out has to be surveillance. All the mechanical seal parts are made of temperature and chemically resistant materials, and the sealing faces combination includes carbides, which are outstandingly resistant to temperatures, chemicals and wear out.