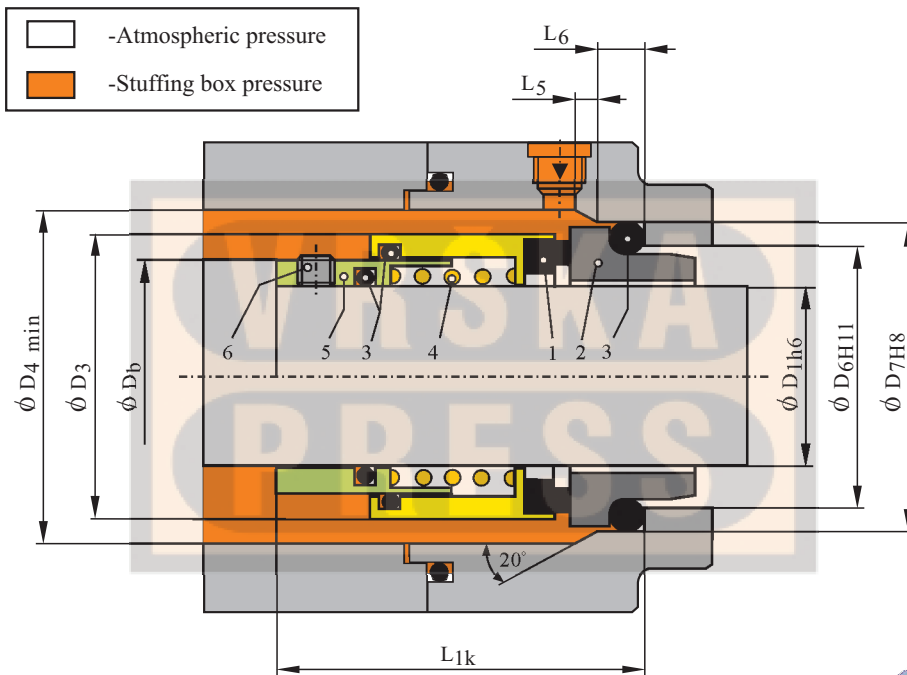


# V18

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



### LIMITING FACTORS

D1 = 20...80 mm  
p1 = 25 (40) bar  
t = -40... 204°C  
Vg = 20 m/s  
pV = 500 bar m/s

### LIST OF ELEMENTS

1. Rotary seal ring
2. Stationary seal
3. Secondary seal
4. Spring
5. Housing
6. Fixing screw



## DIN 24960 DIMENSION TABLE

D1	L1K	D7	D3*	D4*	D6	L5	L6	Db
20	37,5	35	38,4	42,5	29	2,0	5	26
22	37,5	37	38,6	42,5	31	2,0	5	28
24	40,0	39	40,1	44	33	2,0	5	30
25	40,0	40	42,6	46,5	34	2,0	5	31
28	42,5	43	45,1	49	37	2,0	5	35
30	42,5	45	50	54	39	2,0	5	37
32	42,5	48	53,3	57,5	42	2,0	5	39
33	42,5	48	53,3	57,5	42	2,0	5	40
35	42,5	50	55,8	60	44	2,0	5	43
38	45,0	56	58,7	63	49	2,0	6	45
40	45,0	58	60,3	64,5	51	2,0	6	49
43	45,0	61	65	69	54	2,0	6	52
45	45,0	63	65	71,5	56	2,0	6	55
48	45,0	66	71,6	75,5	59	2,0	6	58
50	47,5	70	76,6	80,5	62	2,5	6	61
53	47,5	73	77,6	81,5	65	2,5	6	64
55	47,5	75	77,6	85,5	67	2,5	6	66
58	52,5	78	83,5	88	70	2,5	6	69
60	52,5	80	87,1	91	72	2,5	6	71
63	52,5	83	88	92	75	2,5	6	74
65	52,5	85	93,8	98	77	2,5	6	77
70	60,0	92	104,1	108	83	2,5	7	83
75	60,0	97	109,3	114	88	2,5	7	88
80	60,0	105	114,1	118	95	3,0	7	93

\* Stared columns values do not meet the DIN 24960 (EN 12756) standard

### Design and constructive characteristics

It is a balanced mechanical seal made of highly resistant materials in both the faces and secondary seals and its other parts as well. The inside is fully protected by the closed design, which avoids the occurrence of pockets in which the fluid contamination takes place. The blocking attempt on the mechanical seal, caused by sedimentation characteristic of abrasive, sticky and dirty working media is also avoided.

### Working conditions

Designed for work in extremely hard industrial conditions. It is resistant both to very alkaline and acidic media, which are often present in the paper and food industry.