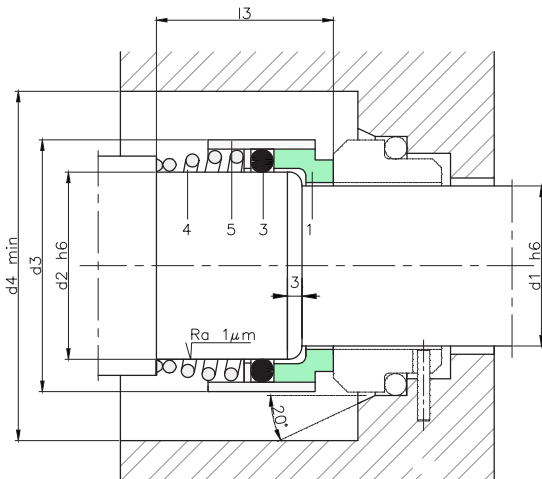


LS18B



COMPONENTS:

- 1 Rotating contact surface
- 2 Stationary contact surface
- 3 O-rings
- 3a O-rings
- 4 Spring
- 5 Metal frame



SECTORS:



CHARACTERISTICS:

- **Balanced.**
- **Single conical spring.**
- **Dependent on the rotation direction.**

OPERATING LIMITS:

$d_1 = 10 \div 80 \text{ mm}$ $p = 25 \text{ kg/cm}^2$
 $v = 15 \text{ m/s}$ $t = -20 \div +200^\circ\text{C} (*)$

(*) The temperature resistance depends on the material of the secondary seals used.

The operating limits are defined by the PV factor which is determined for the sealing system characteristics and those of the application.

DESCRIPTION:

This mechanical seal has an extremely versatile and functional design and is suitable for working at pressures of up to 25 kg/cm². The rotating part of the seal can be combined with a large variety of stationary parts, which offers a wide range of combinations. Its structure allows secondary seals made of different materials to be used: FKM, Aflas®, FFKM, FEP, NBR, HNBR and materials complying with special standards such as FDA, USP, EC 1935/2004, etc.

This seal may be supplied with any of the stationary parts shown in pages 56 and 58.

DIMENSIONS CHART

Dimensions in mm

Shaft mm	Rotary part			
	d ₂	d ₃	d ₄	l ₃
10	14	24	29	25.5
12	16	26	31	26.5
14	18	31	36	29.5
16	20	34	39	31.0
18	22	36	41	32.5
20	24	38	43	32.5
22	26	40	45	32.5
24	28	42	47	32.5
25	30	44	49	33.5
28	33	47	52	35.5
30	35	49	54	35.5
32	38	54	59	39.5
33	38	54	59	39.5
35	40	56	61	43.5
38	43	59	64	46.0
40	45	61	66	48.0
43	48	64	69	51.0
45	50	66	71	55.0
48	53	69	74	55.0
50	55	71	76	58.0
53	58	78	83	60.0
55	60	79	84	60.0
58	63	83	88	60.0
60	65	85	90	60.0
63	68	88	93	60.0
65	70	90	95	61.0
70	75	98	103	63.0
75	80	103	108	68.0
80	85	109	114	68.0

Dimensions subject to changes or modifications.