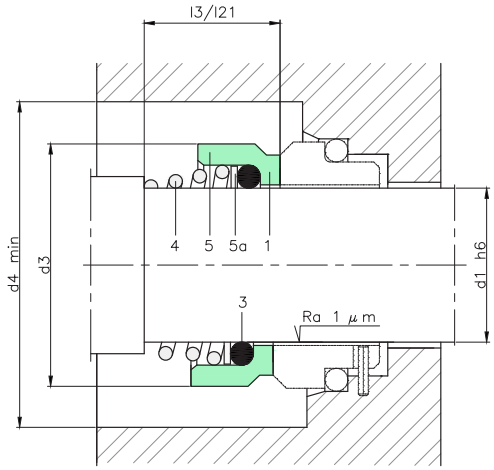
LS18 / LS19

COMPONENTS:

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



Type LS18: Working length of rotating part l_3.
Type LS19: Working length of rotating part l_{21}.

SECTORS:

CHARACTERISTICS:

- Unbalanced.
- Single conical spring.
- Dependent on the rotation direction.

OPERATING LIMITS:

d_1= 10 ÷ 80 mm p= 10 kg/cm²

v= 20 m/s t= -20÷ +200ºC (*)

(*) 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:

Single mechanical seal with an extremely versatile and functional design. 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, etc.

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

DIMENSIONS CHART

Dimensions in mm

Shaft	Rotary part			
mm	d_3	d_4	l_3	l_{21}
10	19	24	15,5	15,5
12	21	26	16	15,5
14	23	28	16,5	15,5
15	24	29	-	15,5
16	26	31	18	17,5
18	29	34	19,5	18,5
20	31	36	22	20
22	33	38	21,5	21,5
24	35	40	23,5	23
25	36	41	26,5	24,5
26	37	42	-	24,5
28	40	45	26,5	24,5
30	43	48	26,5	24,5
32	46	51	28,5	28
33	47	52	28,5	-
35	49	54	28,5	28
38	53	58	33,5	31
40	56	61	36	34
42	59	64	-	35
43	59	64	38,5	-
45	61	66	39,5	36,5
48	64	69	46	42
50	66	71	45	43
53	69	74	47	-
55	71	76	49	47
58	76	81	55	50
60	78	83	55	51
63	83	88	55	-
65	84	89	55	52
68	88	93	55	53
70	90	95	57	54
75	98	103	62	55
80	100	105	61,8	58

Dimensions subject to changes or modifications.