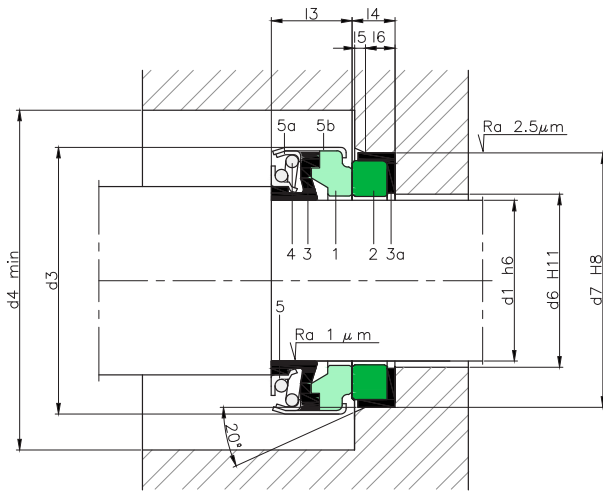


AR / LRB31



COMPONENTS:

- 1 Rotating contact surface
- 2 Stationary contact surface
- 3 Bellows
- 3a Elastomeric cup
- 4 Spring
- 5 Ring
- 5a Blocking ring
- 5b Metal frame



SECTORS:



CHARACTERISTICS:

- Unbalanced.
- Not dependent on the rotation direction.
- Single cylindrical spring.

OPERATING LIMITS:

$$d_1 = 6 \div 70 \text{ mm} \quad p = 6 \text{ kg/cm}^2$$

$$v = 10 \text{ m/s} \quad t = -20 \div +140^\circ\text{C} (*)$$

(*) 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:

Economic mechanical seal with small dimensions, used in large household pump productions for re-circulating water or for working conditions with low demands.

DIMENSIONS CHART

Dimensions in mm

Shaft mm	Rotary part				Stationary part				
	d ₃	d ₄	l ₃		d ₆	d ₇	l ₄	l ₅	l ₆
6	18	23	8.0	+0.5	8	22.0	4.0	0.5	3.5
6 A	18	23	11.0	+0.5	8	22.0	4.0	0.5	3.5
8	20	23	11.0	+0.5	10	22.0	4.0	0.5	3.5
8 A	20	27	11.0	+0.5	10	26.0	5.5	1.0	5.0
8 B	24	27	11.0	+0.5	10	26.0	8.0	1.0	6.0
10	24	27	11.0	+0.5	12	26.0	8.0	1.0	6.0
11	24	27	11.0	+0.5	13	26.0	8.0	1.0	6.0
11 A	24	27	13.0	+0.5	13	26.0	8.0	1.0	6.0
12 A	24	27	11.0	+0.5	14	26.0	8.0	1.0	6.0
12 B	24	27	12.8	+0.7	14	26.0	8.0	1.0	6.0
12 C	24	27	13.0	+0.7	14	26.0	5.5	1.0	6.0
13	24	27	12.8	+0.7	15	26.0	8.0	1.0	6.0
13 A	24	27	13.0	+0.7	15	26.0	5.5	1.0	6.0
14 A	32	35	12.8	+0.7	16	29.5	8.0	1.0	6.0
14 B	28	30	12.8	+0.7	18	28.5	7.5	1.0	5.5
14 C	28	30	13.0	+0.7	18	28.5	8.0	1.0	5.5
15	32	35	12.8	+0.7	17	29.5	8.0	1.0	6.0
15 A	28	35	13.0	+0.7	17	30.0	8.0	1.0	6.0
16 A	32	35	12.8	+0.7	18	29.5	8.0	1.0	6.0
16 B	39	43	12.8	+0.7	18	38.0	8.0	1.0	6.0
17	39	43	12.8	+0.7	19	42.0	8.0	1.0	6.0
18	39	43	12.8	+0.7	20	42.0	8.0	1.0	6.0
19	39	43	12.8	+0.7	21	42.0	8.0	1.0	6.0
20 A	39	43	12.8	+0.7	22	42.0	8.0	1.0	6.0
20 B	42	47	12.8	+0.7	22	45.0	10.0	1.0	8.0
22	42	47	12.8	+0.7	24	45.0	10.0	1.0	8.0
22 A	39	47	13.0	+0.7	24	42.0	8.0	1.0	8.0
23	47	52	13.5	+1.0	25	50.0	10.0	1.0	8.0
24	47	52	13.5	+1.0	26	50.0	10.0	1.0	8.0
25 A	42	52	13.5	+1.0	27	50.0	10.0	1.0	8.0
25 B	47	52	13.5	+1.0	27	50.0	10.0	1.0	8.0
25 C	42	52	13.0	+1.0	27	45.0	10.0	1.0	8.0
26	47	52	13.5	+1.0	29	50.0	10.0	1.0	8.0
27	47	52	13.5	+1.0	30	50.0	10.0	1.0	8.0
28	54	60	15.0	+1.0	31	57.0	10.0	1.0	8.0
30	54	60	15.0	+1.0	33	57.0	10.0	1.0	8.0
32	54	60	15.0	+1.0	35	57.0	10.0	1.0	8.0
35	60	70	16.0	+1.0	38	63.0	10.0	1.0	8.0
38	65	75	18.0	+1.0	41	68.0	12.0	2.0	9.0
40	65	75	18.0	+1.0	43	68.0	12.0	2.0	9.0
45	70	80	20.0	+1.0	48	73.0	12.0	2.0	9.0
50	85	95	23.0	+1.0	53	88.0	15.0	2.0	12.0
55	85	95	23.0	+1.0	55	88.0	15.0	2.0	12.0
60	105	115	30.0	+1.0	63	110.0	15.0	2.0	12.0
65	105	115	30.0	+1.0	68	110.0	15.0	2.0	12.0
70	105	115	32.0	+1.0	73	110.0	15.0	2.0	12.0

Dimensions subject to changes or modifications.