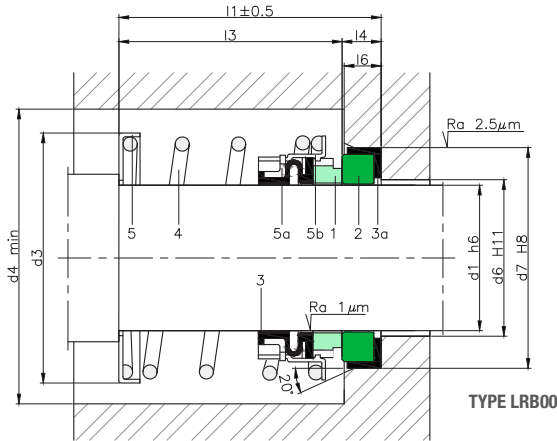


LRB00



COMPONENTS:

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



SECTORS:



CHARACTERISTICS:

- **Balanced.**
- **Not dependent on the rotation direction.**
- **Single cylindrical spring.**

OPERATING LIMITS:

$d_1 = 9.52 \div 101.60 \text{ mm}$ $p = 14 \text{ kg/cm}^2$
 $v = 13 \text{ m/s}$ $t = -20 \div +200^\circ\text{C}$ (*)

(*) 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:

Mechanical seal with a simple, compact design for all-purpose use and in particular in applications with moderate pressures (up to 14 kg/cm²) such as pumps and compressors.

DIMENSIONS CHART LRB00

Dimensions in inches

Shaft (")	Rotary part			Stationary part				Total length l ₁	
	d ₃	d ₄	l ₃	d ₆	d ₇	l ₄	l ₆		
3/8	9.52	28	32	25	11.0	24.6	8.7	7.1	33.7
1/2	12.70	32	36	25	13.5	27.8	8.7	7.1	33.7
5/8	15.88	35	39	25	17.0	30.9	10.5	8.7	35.5
3/4	19.05	40	44	25	20.0	34.1	10.5	8.7	35.5
13/16	20.63	41	45	25	22.0	35.7	10.5	8.7	35.5
7/8	22.22	43	47	25	23.0	37.3	10.5	8.7	35.5
1	25.40	47	51	25	26.5	40.5	10.5	8.7	35.5
1 1/8	28.57	56	60	33	29.5	47.6	12.0	10.3	45.0
1 1/4	31.75	59	63	33	32.5	50.8	12.0	10.3	45.0
1 3/8	34.92	63	67	33	36.5	54.0	12.0	10.3	45.0
1 1/2	38.10	67	71	33	39.5	57.1	12.0	10.3	45.0
1 5/8	41.27	71	75	33	42.5	60.3	12.0	10.3	45.0
1 3/4	44.45	74	78	41	46.0	63.5	12.0	10.3	53.0
1 7/8	47.62	77	81	41	49.0	66.7	12.0	10.3	53.0
2	50.80	81	85	41	52.0	69.8	13.5	12.0	54.5
2 1/8	53.97	84	88	41	55.5	73.1	13.5	12.0	54.5
2 1/4	57.15	88	92	41	58.5	76.2	13.5	12.0	54.5
2 3/8	60.32	91	95	41	61.5	79.4	13.5	12.0	54.5
2 1/2	63.50	94	98	41	65.0	82.5	13.5	12.0	54.5
2 5/8	66.67	100	104	49	68.0	92.1	16.0	14.3	65.0
2 3/4	69.85	103	107	49	71.0	95.2	16.0	14.3	65.0
2 7/8	73.02	108	112	52	74.5	98.4	16.0	14.3	68.0
3	76.20	111	115	52	77.5	101.6	16.0	14.3	68.0
3 1/8	79.37	118	122	56	80.5	111.1	20.0	18.3	76.0
3 1/4	82.55	121	125	56	84.0	114.3	20.0	18.3	76.0
3 3/8	85.72	125	129	56	87.0	117.5	20.0	18.3	76.0
3 1/2	88.90	128	132	56	90.5	120.6	20.0	18.3	76.0
3 5/8	92.07	131	135	59	93.5	123.8	20.0	18.3	79.0
3 3/4	95.25	134	138	59	96.5	127.0	20.0	18.3	79.0
3 7/8	98.42	139	143	62	100.0	130.2	20.0	18.3	82.0
4	101.60	142	146	62	103.0	133.3	20.0	18.3	82.0

Dimensions subject to changes or modifications.