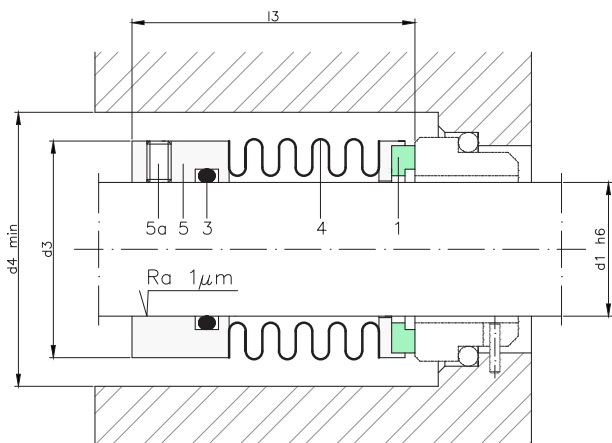


LMB84



COMPONENTS:

- 1 Rotating contact surface
- 3 O-rings
- 4 Metal bellows.
- 5 Set screws
- 6 Metal frame



SECTORS:



CHARACTERISTICS:

- **Balanced.**
- **Spiral-wound metal bellows.**
- **Not dependent on the rotation direction.**

OPERATING LIMITS:

$d_1 = 18 \div 100 \text{ mm}$ $p = 20 \text{ kg/cm}^2$
 $v = 25 \text{ m/s}$ $t = -40 \div +200^\circ\text{C} (*)$

(*) 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:

Balanced by the bellows, without the need for a stepped shaft (models LWS10B, LMS20B). Suitable for working in applications with high pressures. The O-ring resting on the shaft does not cause wear as there is no axial movement (changes in pressure). Recommended for working with sticky or viscous fluids that require cleaning processes (CIP) or sterilisation processes (SIP) in situ due to the geometry of the spiral-wound bellows.

This seal may be supplied with any of the stationary parts shown in pages 56 and 57. for measurements in mm, and 58 for the measurements in inches.

DIMENSIONS CHART

Dimensions in mm

Shaft mm	Rotary part		
	d ₃	d ₄	l ₃
18	31	34	31,5
20	31	36	31,5
22	31	38	31,5
24	36	40	36,7
25	36	41	37
28	39	44	37,5
30	42	46	38
32	46	48	43
33	46	49	43
35	48,5	51	43
38	51,5	58	42
40	54	60	42
43	58,4	63	47
45	58,4	65	47
48	63,7	68	47
50	63,7	70	46,5
53	69	73	56,5
55	71	75	56,5
58	73,3	83	56,5
60	76,7	85	56,5
63	79,4	88	56,5
65	83	90	66,5
68	87,8	93	66,5
70	87,8	95	65,5
75	94	104	65,5
80	100,6	109	75
85	106	114	75
90	110,3	119	75
95	114,9	124	75
100	121,3	129	75

Dimensions in mm

Shaft (")	Rotary part			
	mm	d ₃	d ₄	l ₃
0,750	19,05	31	34,9	31,5
0,875	22,23	36	38,1	37
1,000	25,40	39	41,3	37,5
1,125	28,58	42	44,5	38
1,250	31,75	46	47,6	43
1,375	34,93	48,5	50,8	43
1,500	38,10	51,5	57,2	42
1,625	41,28	58,4	60,3	47
1,750	44,45	58,4	63,5	47
1,875	47,63	63,7	66,7	46,5
2,000	50,80	63,7	69,9	46,5
2,125	53,98	69	73	56,5
2,250	57,15	73,3	76,2	56,5
2,375	60,33	76,7	79,4	56,5
2,500	63,50	79,4	82,6	56,5
2,625	66,68	83	85,7	66,5
2,750	69,85	87,8	96	65,5
2,875	73,03	94	99	65,5
3,000	76,20	94	100	65,5
3,125	79,38	100,6	104	75
3,250	82,55	100,6	108	75
3,375	85,73	106	111	75
3,500	88,90	110,3	115	75
3,625	92,08	114,9	118	75
3,750	95,25	114,9	121	75
3,875	98,43	121,3	124	75
4,000	101,60	121,3	127	75

Dimensions subject to changes or modifications.