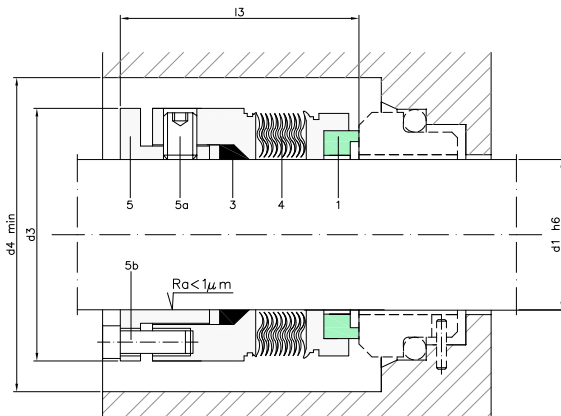


LMB86



COMPONENTS:

- 1 Rotating contact surface
- 3 Graphite wedge
- 4 Metal bellows
- 5 Metal frame
- 5a Set screws
- 5b Tightening screw



SECTORS :



CHARACTERISTICS:

- **Balanced.**
- Graphite wedge
- **Welded metal bellows.**
- Not dependent on the rotation direction.

OPERATING LIMITS:

$d_1 = 25 \div 100 \text{ mm}$      $p = 20 \text{ kg/cm}^2$   
 $v = 25 \text{ m/s}$              $t = -75 \div -425^\circ\text{C} (*)$

(\*) 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 :

Internally balanced, with no need for a stepped shaft (models LWS10B, LMS20B). The graphite wedge allows applications at very high temperatures.

Appropriate for applications with sticky or high viscosity fluids as its open leaf design generates a self-cleaning effect.

In addition it is suitable for application at moderate pressures as well as with very aggressive fluids, both chemically and mechanically terms. Very often used in compressors.

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	Rotary part		
	d <sub>3</sub>	d <sub>4</sub>	l <sub>3</sub>
25	41,28	46,28	38,89
28	44,45	49,45	39,67
32	47,63	52,63	40,46
35	50,80	55,80	40,46
38	53,98	58,98	40,46
40	57,15	62,15	40,46
45	60,33	65,33	41,28
48	63,50	68,50	41,28
50	66,68	71,68	42,06
55	69,85	74,85	42,06
60	76,20	81,20	43,66
65	82,55	87,55	44,45
70	88,90	93,90	45,24
75	96,82	101,82	47,63
80	101,60	106,60	47,63
85	107,95	112,95	47,63
90	111,13	116,13	47,63
95	117,48	122,48	47,63
100	123,83	128,83	47,63

Dimensions subject to changes or modifications.

Dimensions in inches

Shaft	Rotary part			
	(")	d <sub>3</sub>	d <sub>4</sub>	l <sub>3</sub>
1,000	25,40	41,28	46,28	38,89
1,125	28,58	44,45	49,45	39,67
1,250	31,75	47,63	52,63	40,46
1,375	34,93	50,80	55,80	40,46
1,500	38,10	53,98	58,98	40,46
1,625	41,28	57,15	62,15	40,46
1,750	44,45	60,33	65,33	41,28
1,875	47,63	63,50	68,50	41,28
2,000	50,80	66,68	71,68	42,06
2,125	53,98	69,85	74,85	42,06
2,250	57,15	73,03	78,03	43,66
2,375	60,33	76,20	81,20	43,66
2,500	63,50	82,55	87,55	44,45
2,625	66,68	85,73	90,73	45,24
2,750	69,85	88,90	93,90	45,24
2,875	73,03	93,65	98,65	47,63
3,000	76,20	96,82	101,82	47,63
3,125	79,38	101,60	106,60	47,63
3,250	82,55	104,78	109,78	47,63
3,375	85,73	107,95	112,95	47,63
3,500	88,90	111,13	116,13	47,63
3,625	92,08	114,30	119,30	47,63
3,750	95,25	117,48	122,48	47,63
3,875	98,43	120,65	125,65	47,63
4,000	101,60	123,83	128,83	47,63