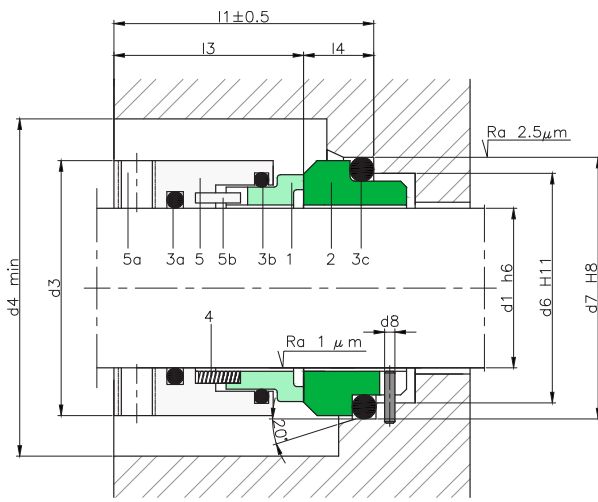


# LMS14



### COMPONENTS:

- 1 Rotating contact surface
- 2 Stationary contact surface
- 3a O-rings
- 3b O-rings
- 3c O-rings
- 4 Springs
- 5 Metal frame
- 5a Set screws
- 5b Coupling pin



### SECTORS:



### CHARACTERISTICS:

- **Balanced.**
- System attached to the shaft by allen screws.
- **Not dependent on the rotation direction.**

### OPERATING LIMITS:

$d_1 = 18 \div 100 \text{ mm}$      $p = 14 \text{ kg/cm}^2$   
 $v = 15 \text{ m/s}$      $t = -15 \div +200^\circ\text{C} (*)$

(\*) 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:

The springs are not in contact with the fluid. Ideal for working with particle-laden fluids in which standard designs tend to become blocked. Internally balanced, with no need for a stepped shaft. 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).

## DIMENSIONS CHART

Dimensions in mm

Shaft	Rotary part			Stationary part				Total length
	d <sub>3</sub>	d <sub>4</sub>	l <sub>3</sub>	d <sub>6</sub>	d <sub>7</sub>	d <sub>8</sub>	l <sub>4</sub>	
18	33	36	32	27	33	3	13.5	45.5
20	35	38	32	29	35	3	13.5	45.5
22	37	40	32	31	37	3	13.5	45.5
24	39	42	32	33	39	3	13.3	45.3
25	40	43	32	34	40	3	13.0	45.0
28	43	46	32	37	43	3	12.5	44.5
30	45	48	32	39	45	3	12.0	44.0
32	47	50	42	42	48	3	12.0	54.0
33	48	51	42	42	48	3	12.0	54.0
35	50	53	42	44	50	3	12.0	54.0
38	55	58	42	49	56	3	13.0	55.0
40	57	60	42	51	58	3	13.0	55.0
43	60	63	42	54	61	4	13.0	55.0
45	62	65	42	56	63	4	13.0	55.0
48	65	68	42	59	66	4	13.0	55.0
50	67	70	42	62	70	4	13.5	55.5
53	70	73	42	65	73	4	13.5	55.5
55	72	75	42	67	75	4	13.5	55.5
58	79	82	42	70	78	4	13.5	55.5
60	81	84	42	72	80	4	13.5	55.5
65	86	89	42	77	85	4	13.5	55.5
68	89	92	42	81	90	4	13.5	55.5
70	91	94	42	83	92	4	14.5	56.5
75	99	102	48	88	97	4	14.5	62.5
80	104	107	48	95	105	4	15.0	63.0
85	109	112	48	100	110	4	15.0	63.0
90	114	117	48	105	115	4	15.0	63.0
95	119	122	48	110	120	4	15.0	63.0
100	124	127	48	115	125	4	15.0	63.0

Dimensions subject to changes or modifications.

Dimensions in inches

Shaft	Rotary part			Stationary part				Total length
	(*) mm	d <sub>3</sub>	d <sub>4</sub>	l <sub>3</sub>	d <sub>6</sub>	d <sub>7</sub>	l <sub>4</sub>	
0,750	19,05	34	37	32	29,9	34,9	6,6	38,6
0,875	22,23	36	39	32	33,1	38,1	6,6	38,6
1,000	25,40	39	42	32	36,3	41,3	6,6	38,6
1,125	28,58	43	46	32	39,5	44,5	6,6	38,6
1,250	31,75	46	49	32	42,6	47,6	6,6	38,6
1,375	34,93	49	52	32	45,8	50,8	6,6	38,6
1,500	38,10	54	57	32	47,6	54	7,5	39,5
1,625	41,28	57	60	32	53,9	60,3	8,2	40,2
1,750	44,45	60	63	42	57,1	63,5	8,2	50,2
1,875	47,63	64	67	42	60,3	66,7	8,2	50,2
2,000	50,80	67	70	42	63,5	69,9	8,2	50,2
2,125	53,98	70	73	42	69,8	76,2	9,5	51,5
2,250	57,15	73	76	42	73	79,4	9,5	51,5
2,375	60,33	76	79	42	76,2	82,6	9,5	51,5
2,500	63,50	79	82	42	79,3	85,7	9,5	51,5
2,625	66,68	83	86	42	79,3	85,7	9,5	51,5
2,750	69,85	92	95	42	82,5	88,9	9,5	51,5
2,875	73,03	95	98	42	85,3	95,3	11,3	53,3
3,000	76,20	98	101	42	88,4	98,4	11,3	53,3
3,125	79,38	101	104	42	91,6	101,6	14,3	56,3
3,250	82,55	104	107	42	94,8	104,8	14,3	56,3
3,375	85,73	107	110	42	98	108	14,3	56,3
3,500	88,90	111	114	42	101,1	111,1	14,3	56,3
3,625	92,08	114	117	42	104,3	114,3	14,3	56,3
3,750	95,25	117	120	48	107,5	117,5	14,3	62,3
3,875	98,43	120	123	48	110,7	120,7	14,3	62,3
4,000	101,60	123	126	48	113,8	123,8	14,3	62,3