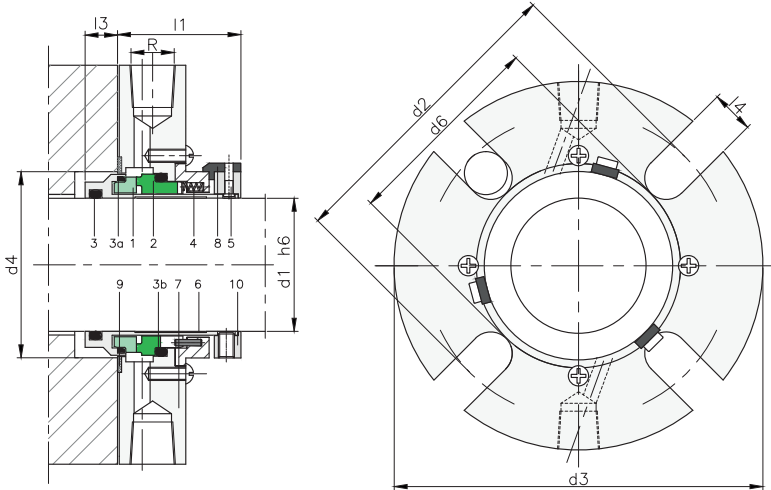


LSC21



COMPONENTS:

- 1 Rotating contact surface
- 2 Stationary contact surface
- 3 O-rings
- 4 Springs
- 5 Set screws
- 6 Sleeve
- 7 Flange
- 8 Setting clips
- 9 Flat gasket
- 10 Drive ring



SECTORS:



CHARACTERISTICS:

- **Balanced.**
- **Multispring.**
- **Not dependent on the rotation direction.**
- **Flush connections.**

OPERATING LIMITS:

$d_1 = 25 \div 110 \text{ mm}$      $p = 28 \text{ kg/cm}^2$   
 $v = 20 \text{ m/s}$              $t = -15 \div +200^\circ\text{C}$  (\*)

(\*) 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:

A single cartridge seal with connections for flushing the mechanical seal contact surfaces. The springs are protected from the product to prevent blocking in applications with particle-laden fluids. A versatile cartridge seal that is suitable for most market applications.

CONNECTIONS:

From mm to 60 mm: 1/4" NPT.  
 From mm to 110 mm: 3/8" NPT.

DIMENSIONS CHART

Dimensions in mm

Shaft		d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub> min.	d <sub>4</sub> max.	d <sub>6</sub>	l <sub>1</sub>	l <sub>3</sub>	l <sub>4</sub>
mm									
25	72	105	44	51	60	48	16	12	
28	72	105	47	52	61,5	48	16	12,5	
30	78	110	49	57	67,5	48	16	12,5	
33	79	115	51	59	67	48	16	12,5	
35	82	115	54	60	64,5	48	16	17,5	
38	87	125	57	64	69,5	48	16	17,5	
40	88	125	59	65	70,5	48	16	17,5	
43	91	133	62	69	74	48	16	14	
45	94	141	64	70	76,5	48	16	17,5	
48	95	141	67	74	81	48	16	14	
50	101	150	69	78	83,5	48	16	17,5	
53	104	150	73	81	90	48	16	14	
55	106	150	74	83	88,5	48	16	17,5	
58	116	157	77	87	100	48	16	16	
60	116	157	79	91	98,5	48	16	17,5	
63	138	165	81	97	119	64	22	19	
65	138	165	84	102	116	64	22	19	
68	141	180	87	102	122	64	22	19	
70	141	180	95	105	122	64	22	19	
75	147	190	100	113	128	64	22	19	
80	150	195	105	116	132	64	22	19	
85	157	200	110	122	135	64	22	22	
90	160	205	115	125	138	64	22	22	
95	166	210	120	131	144	64	22	22	
100	173	216	127	138	151	64	22	22	
110	180	228	136	148	158	64	22	22	

Dimensions subject to changes or modifications.

Dimensions in inches

Shaft		d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub> min.	d <sub>4</sub> max.	d <sub>6</sub>	l <sub>1</sub>	l <sub>3</sub>	l <sub>4</sub>
(")	mm								
1,000	25,40	72	105	44,5	51,6	60	48	16	12
1,125	28,58	72	105	47,6	52,6	61,5	48	16	12
1,250	31,75	79	115	51,6	59,6	67	48	16	12
1,375	34,93	82	115	54,6	60,6	64,5	48	16	14
1,500	38,10	87	125	57,6	64,6	69,5	48	16	14
1,625	41,28	91	133	62,6	69,6	74	48	16	14
1,750	44,45	94	141	64,6	70,6	76,5	48	16	14
1,875	47,63	95	141	67,6	74,6	81	48	16	14
2,000	50,80	101	150	69,6	78,6	83,5	48	16	14
2,125	53,98	106	150	74,6	83,6	88,5	48	16	14
2,250	57,15	116	157	77,6	87,6	100	48	16	14
2,375	60,33	116	157	79,6	91,6	98,5	48	16	14
2,500	63,50	138	165	81,6	97,6	119	64	22	18
2,625	66,68	141	180	87,6	102,6	122	64	22	18
2,750	69,85	141	180	95,6	105,6	122	64	22	18
2,875	73,03	147	190	100,6	113,6	128	64	22	18
3,000	76,20	147	190	100,6	113,6	128	64	22	18
3,125	79,38	150	195	105,6	116,6	132	64	22	18
3,250	82,55	157	200	110,6	122,6	135	64	22	18
3,375	85,73	157	200	110,6	122,6	135	64	22	18
3,500	88,90	160	205	115,6	125,6	138	64	22	18
3,625	92,08	166	210	120,6	131,6	144	64	22	22
3,750	95,25	166	210	120,6	131,6	144	64	22	22
3,875	98,43	173	216	127,6	138,6	151	64	22	22
4,000	101,60	173	216	127,6	138,6	151	64	22	22
4,125	104,78	180	221	132,6	143,6	158	64	22	22
4,250	107,95	180	228	136,6	148,6	158	64	22	22