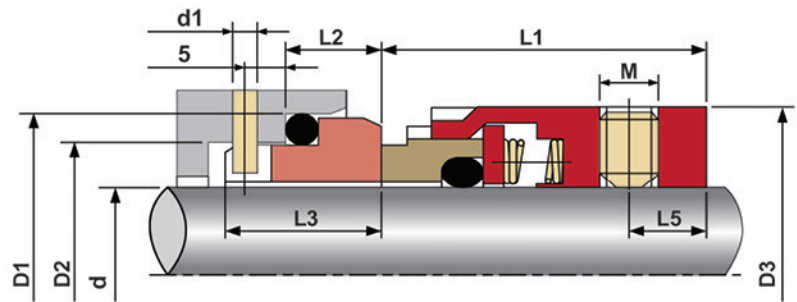


## Elastomer O-Ring Seals

# DS-74



### Applications

- For use in pumps, mixers, blenders, agitators, compressors and other rotary shaft equipment.
- Suitable for most general and light chemical duties ranging from water to weak acid solutions.

Type DS-74 mechanical seal is designed for universal application. The seal face are loosely inserted and can be easily exchanged, the thrust-ring is retained by the drive lugs preventing the springs falling out.

### Standard Materials

- Metal Parts : SUS 316
- Spring : SUS 316
- Rotary Face : Silicon Carbide/Tungsten Carbide/Carbon
- Stationary Face : Silicon Carbide/Ceramic/Tungsten Carbide/Carbon
- Secondary Seals : Fluoroelastomer/Nitrile/Ethylene Propylene

\*(Other configuration of materials also available on request)

### Operating Conditions

- Max. Operating Pressure : 16 kg/cm<sup>2</sup>\*
- Temperature Range : -15 to 200 °
- Max. Rubbing Speed : 20 m/s

\*(Depend on combination of materials)

### Design Features/Benefits

- Setting-length of spring can be held in position by build in set-ring.
- Multiple springs exert even closing force on seal faces. Ensure even loading of seal face and compensates for acceptable shaft misalignment.
- Independent of shaft rotating direction.
- Premium-grade silicon carbide solid seal faces are excellent for high temperature and enduring abrasive fluids.

### Dimensional Data (mm.)

d	D3	D2	D1	d1	L1	L2	L3	L5	M
14	25	21	25	3	25.0	10.0	17.5	6	M5
16	27	23	27	3	25.0	10.0	17.5	6	M5
18	33	27	33	3	26.0	11.5	19.5	7	M5
20	35	29	35	3	26.0	11.5	19.5	7	M5
22	37	31	37	3	26.0	11.5	19.5	7	M5
24	39	33	39	3	28.5	11.5	19.5	8	M5
25	40	34	40	3	28.5	11.5	19.5	8	M5
28	43	37	43	3	31.0	11.5	19.5	8	M6
30	45	39	45	3	31.0	11.5	19.5	8	M6
32	47	42	48	3	31.0	11.5	19.5	8	M6
33	48	42	48	3	31.0	11.5	19.5	8	M6
35	50	44	50	3	31.0	11.5	19.5	8	M6
38	55	49	56	4	31.0	14.0	22.0	8	M6
40	57	51	58	4	31.0	14.0	22.0	8	M6
43	60	54	61	4	31.0	14.0	22.0	8	M6
45	62	56	63	4	31.0	14.0	22.0	8	M6
48	65	59	66	4	31.0	14.0	22.0	8	M6
50	67	62	70	4	32.5	15.0	23.0	8	M6
53	70	65	73	4	32.5	15.0	23.0	8	M6
55	72	67	75	4	32.5	15.0	23.0	8	M6
58	79	70	78	4	37.5	15.0	23.0	9	M8
60	81	72	80	4	37.5	15.0	23.0	9	M8
63	84	75	83	4	37.5	15.0	23.0	9	M8
65	86	77	85	4	37.5	15.0	23.0	9	M8
68	89	81	90	4	34.5	18.0	26.0	9	M8
70	91	83	92	4	42.0	18.0	26.0	9	M8
75	99	88	97	4	42.0	18.0	26.0	10	M8
80	104	95	105	4	41.8	18.2	26.2	10	M8
85	109	100	110	4	41.8	18.2	26.2	10	M8
90	114	105	115	4	46.8	18.2	26.2	10	M8
95	119	110	120	4	47.8	17.2	25.2	10	M8
100	124	115	125	4	47.8	17.2	25.2	10	M8

\* Other sizes are available upon request.