

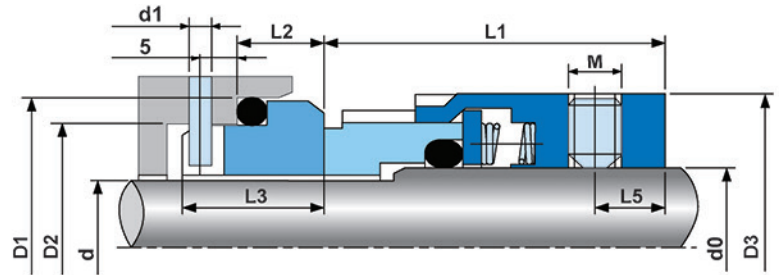


Mechanical Seal Specification

Determine the best sealing solution for your applications.

Elastomer O-Ring Seals

TIB-74B



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 TIB-74B 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/cm²*
- 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.



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Dimensional Data (mm.)

d	d0	D3	D2	D1	d1	L1	L2	L3	L6	L5	M
14	18	33	21	25	3	32.5	10.0	17.5	8.0	6.0	M5
16	20	35	23	27	3	32.5	10.0	17.5	8.0	6.0	M5
18	22	37	27	33	3	33.5	11.5	19.5	8.5	7.0	M5
20	24	39	29	35	3	33.5	11.5	19.5	8.5	5.5	M5
22	26	41	31	37	3	33.5	11.5	19.5	8.5	8.0	M5
24	28	43	33	39	3	36.0	11.5	19.5	8.5	5.5	M6
25	30	45	34	40	3	36.0	11.5	19.5	8.5	5.5	M6
28	33	48	37	43	3	38.5	11.5	19.5	8.5	8.0	M6
30	35	50	39	45	3	38.5	11.5	19.5	8.5	8.0	M6
32	38	55	42	48	3	38.5	11.5	19.5	8.5	8.0	M5
33	38	55	42	48	3	38.5	11.5	19.5	8.5	8.0	M6
35	40	57	44	50	3	38.5	11.5	19.5	8.5	8.0	M6
38	43	60	49	56	4	38.5	14.0	22.0	9.0	8.0	M6
40	45	62	51	58	4	38.5	14.0	22.0	9.0	8.0	M6
43	48	65	54	61	4	38.5	14.0	22.0	9.0	8.0	M6
45	50	67	56	63	4	38.5	14.0	22.0	9.0	8.0	M6
48	53	70	59	66	4	38.5	14.0	22.0	9.0	8.0	M6
50	55	72	62	70	4	42.5	15.0	23.0	10.0	8.0	M6
53	58	79	65	73	4	42.5	15.0	23.0	10.0	9.0	M8
55	60	81	67	75	4	42.5	15.0	23.0	10.0	9.0	M8
58	63	84	70	78	4	47.5	15.0	23.0	10.0	9.0	M8
60	65	86	72	80	4	47.5	15.0	23.0	10.0	9.0	M8
63	68	89	75	83	4	47.5	15.0	23.0	10.0	9.0	M8
65	70	91	77	85	4	47.5	15.0	23.0	10.0	9.0	M8
70	75	99	83	92	4	52.0	18.0	26.0	10.0	10.0	M8
75	80	104	88	97	4	52.0	18.0	26.0	10.0	10.0	M8
80	85	109	95	105	4	51.8	18.2	26.2	9.8	10.0	M8
85	90	114	100	110	4	56.8	18.2	26.2	9.8	10.0	M8
90	95	119	105	115	4	56.8	18.2	26.2	9.8	10.0	M8
95	100	124	110	120	4	57.8	17.2	25.2	10.8	10.0	M8
100	105	129	115	125	4	57.8	17.2	25.2	10.8	10.0	M8

* Other sizes are available upon request.