

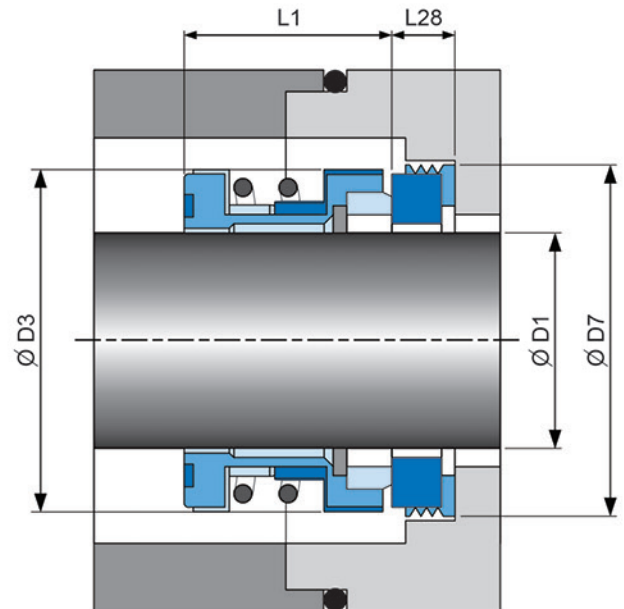


Mechanical Seal Specification

Determine the best sealing solution for your applications.

Elastomer Bellows Seals

TIB-2100



Applications

- For use in pumps, mixers, blenders, agitators, compressors and other rotary shaft equipment.
- For pulp and paper, petrochemical, food processing, wastewater treatment and other demanding applications.

Type TIB-2100 mechanical seals is a general purpose elastomer bellows non-pusher seal.

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 : 8 kg/cm²*
- Temperature Range : -15 to 200 *
- Max. Rubbing Speed : 10 m/s

*(Depend on combination of materials)

Design Features/Benefits

- Non-Clogging, Single Coil Spring will not run foul due to fluid contact.
- Automatic adjustment fully compensates for normal shaft end play and run-out, seal face wear, and equipment tolerances.
- Sealing faces are precision lapped to provide effective performance with maximum seal life.
- Positive-drive rotary part is designed for protecting slip of secondary sealing element on shaft.



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Dimensional Data (mm.)

D1	D3	D7	L1	L28
10	20	21	15.2	6.60
12	22	23	15.2	6.60
14	24	25	15.2	6.60
15	25	27	15.2	6.60
16	26	27	15.2	6.60
18	32	33	20.2	7.50
20	34	35	20.2	7.50
22	36	37	20.2	7.50
24	38	39	20.2	7.50
25	39	40	20.2	7.50
28	42	43	26.2	7.50
30	44	45	26.2	7.50
32	46	48	26.2	7.50
33	47	48	26.2	7.50
35	49	50	26.2	7.50
38	54	56	30.2	9.00
40	56	58	30.2	9.00
43	59	61	30.2	9.00
45	61	63	30.2	9.00
48	64	66	30.2	9.00
50	66	70	30.2	9.50
53	69	73	30.2	11.0
55	71	75	30.2	11.0
58	78	78	33.2	11.0
60	80	80	33.2	11.0
63	83	83	33.2	11.0
65	85	85	33.2	11.0
68	88	90	33.2	11.3
70	90	92	33.2	11.3
75	99	97	40.2	11.3
80	104	105	40.2	12.0
85	109	110	40.2	14.0
90	114	115	40.2	14.0
95	119	120	40.2	14.0
100	124	125	40.2	14.0

* Other sizes are available upon request.