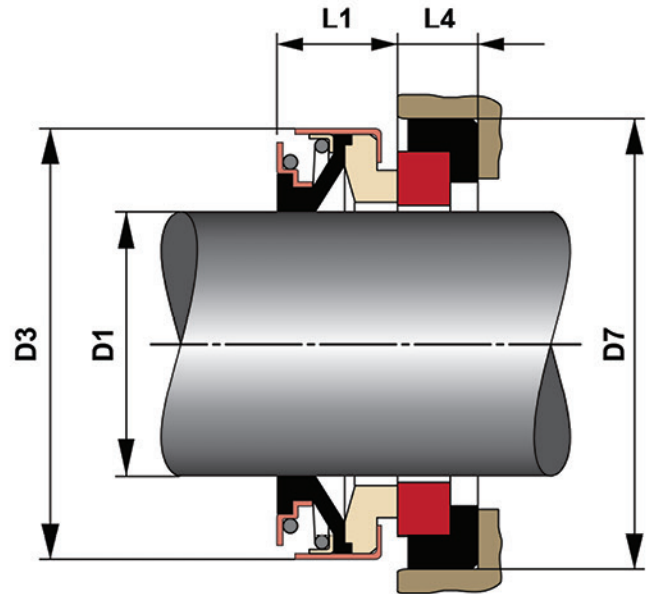


Elastomer Bellows Seals

DS-301



Applications

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

Type DS-301 mechanical seals is a general purpose elastomer bellows nonpusher seal.

Standard Materials

- Metal Parts : SUS 316
- Spring : SUS 316
- Rotary Face : Silicon Carbide/ Tungsten Carbide/Carbon
- Stationary Face : Ceramic/Silicon Carbide/ Tungsten Carbide
- 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 °C *
- 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.



Mechanical Seal Specification

Engineered Sealing Expertise

Dimensional Data (mm.)

Seal size (D1) (mm.)	D3	D7	L1	L4
6	18.0	22.0	11.0	4.0
8	18.0	22.0	11.0	4.0
8	24.0	26.0	11.0	8.0
10	24.0	26.0	13.0	8.0
11	24.0	26.0	13.0	8.0
12	24.0	26.0	13.0	8.0
13	24.0	26.0	13.0	5.5
14P	27.5	28.5	13.0	8.0
14	32.0	29.5	13.5	8.0
15P	27.5	30.0	13.0	8.0
15	32.0	29.5	13.5	8.0
16P	27.5	30.0	13.0	8.0
16	32.0	29.5	13.5	8.0
16L	39.0	42.0	13.0	8.0
17	39.0	42.0	13.0	8.0
18	39.0	42.0	13.0	8.0
19	39.0	42.0	13.0	8.0
20P	35.0	38.0	13.0	8.0
20	39.0	42.0	13.0	8.0
20L	42.0	45.0	13.0	10.0
22P	39.0	42.0	13.0	8.0
22	42.0	45.0	13.0	10.0
23	47.0	50.0	13.5	10.0
24	47.0	50.0	13.5	10.0
25	47.0	50.0	13.5	10.0
25P	42.0	45.0	13.0	10.0
26	47.0	50.0	13.5	10.0
27	47.0	50.0	13.5	10.0
28	54.0	57.0	15.0	10.0
30	54.0	57.0	15.0	10.0
32	54.0	57.0	15.0	10.0
35	60.0	63.0	16.0	10.0
38	65.0	68.0	18.0	12.0
40	65.0	68.0	18.0	12.0
45	70.0	73.0	20.0	12.0
50	85.0	88.0	23.0	15.0
55	85.0	88.0	23.0	15.0
60	105.0	110.0	30.0	15.0
65	105.0	110.0	30.0	15.0
70	105.0	110.0	32.0	15.0

* Other sizes are available upon request.