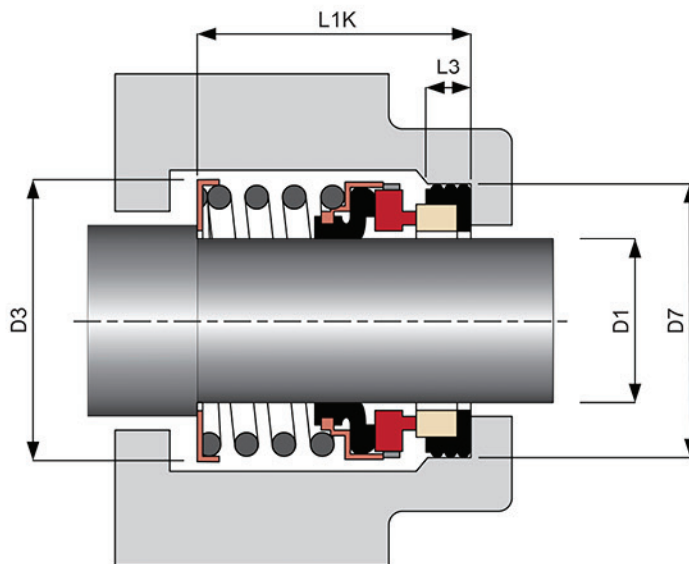


### Elastomer Bellows Seals

## DS-343



#### Applications

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

Type DS-343 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 : 15 kg/cm<sup>2</sup>\*
- Temperature Range : -55 to 100 °
- Max. Rubbing Speed : 20 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.)

| D1  | D3  | D7  | L1K   | L3    |
|-----|-----|-----|-------|-------|
| 10  | 20  | 21  | 32.50 | 5.50  |
| 12  | 22  | 23  | 32.50 | 5.50  |
| 14  | 24  | 25  | 35.00 | 5.50  |
| 16  | 26  | 27  | 35.00 | 5.50  |
| 18  | 32  | 33  | 37.50 | 7.00  |
| 20  | 34  | 35  | 37.50 | 7.00  |
| 22  | 36  | 37  | 37.50 | 7.00  |
| 24  | 38  | 39  | 40.00 | 7.00  |
| 25  | 39  | 40  | 40.00 | 7.00  |
| 28  | 42  | 43  | 42.50 | 7.00  |
| 30  | 44  | 45  | 42.50 | 7.00  |
| 32  | 46  | 48  | 42.50 | 7.00  |
| 33  | 47  | 48  | 42.50 | 7.00  |
| 35  | 49  | 50  | 42.50 | 7.00  |
| 38  | 54  | 56  | 45.00 | 8.00  |
| 40  | 56  | 58  | 45.00 | 8.00  |
| 43  | 59  | 61  | 45.00 | 8.00  |
| 45  | 61  | 63  | 45.00 | 8.00  |
| 48  | 64  | 66  | 45.00 | 8.00  |
| 50  | 66  | 70  | 47.50 | 8.50  |
| 53  | 69  | 73  | 47.50 | 8.50  |
| 55  | 71  | 75  | 47.50 | 8.50  |
| 58  | 78  | 78  | 52.50 | 8.50  |
| 60  | 80  | 80  | 52.50 | 8.50  |
| 63  | 83  | 83  | 52.50 | 8.50  |
| 65  | 85  | 85  | 52.50 | 8.50  |
| 68  | 88  | 90  | 52.50 | 9.50  |
| 70  | 90  | 92  | 60.00 | 9.50  |
| 75  | 99  | 97  | 60.00 | 9.50  |
| 80  | 104 | 105 | 60.00 | 9.00  |
| 85  | 108 | 110 | 60.00 | 10.00 |
| 90  | 114 | 115 | 65.00 | 10.00 |
| 95  | 119 | 120 | 65.00 | 10.00 |
| 100 | 124 | 125 | 65.00 | 10.00 |

\* Other sizes are available upon request.