

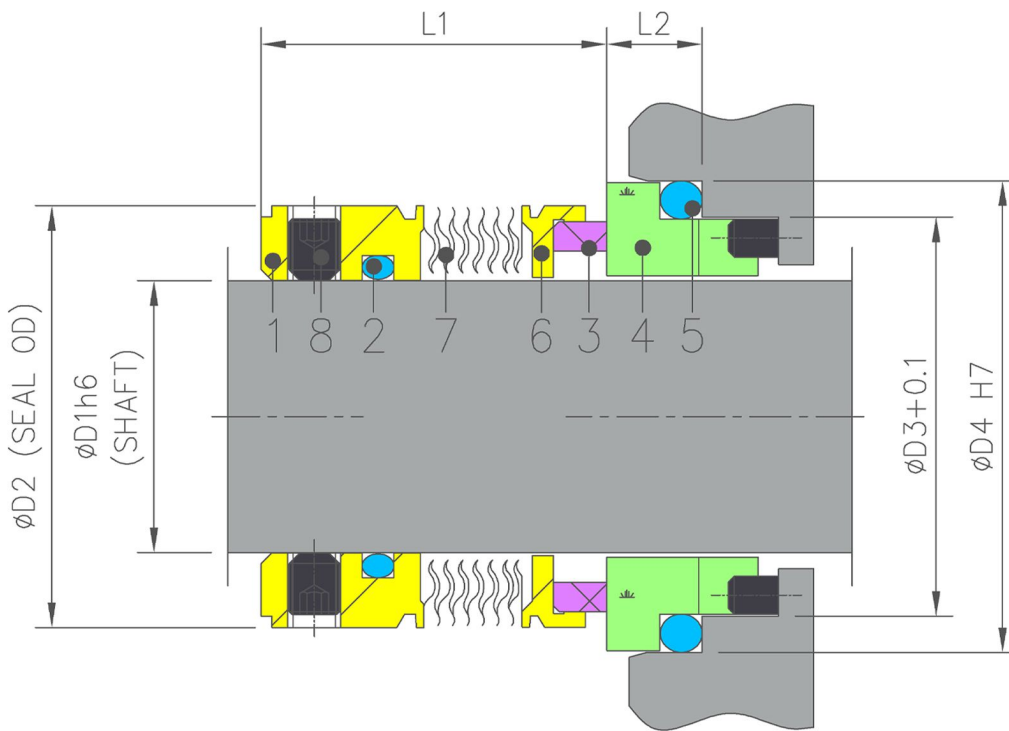


Product Description

1. Edge Welded Metal Bellow Seals
2. Rotating Bellows
3. Hydraulically balanced
4. Single Seal
5. Independent of Direction of Rotation

Technical Features

1. For unstopped Shafts
2. Suitable for Low End Sterile Applications
3. Self-Cleaning Effect
4. Dynamically Loaded O-ring
5. For Extreme Temperature Ranges



Industrial Application

Refining Technology
 Power Plant Technology
 Cold Media
 Highly Viscous Media
 Chemical Industry
 Hot Media
 Food and Beverage Industry
 Water and Waste Water Technology

Material Of Construction

Bellow : Hastelloy C-276, Inconel, AM350
Seal Ring : Carbon Graphite Antimony Impregnated/Carbon Graphite Resin Impregnated/Silicon -Carbide
Seat : Silicon -Carbide /Tungsten Carbide
Metal Parts : S.S.316/Alloy-20/Hast'C

Available Sizes

20.0 to 100.0mm (0.75" to 4.000")

Operating Limits

Pressure = 16kgs/cm² (Max)
Temperature = -40° C to + 220°C
Speed = 20m/s
Permissible Axial Movement= ±0.5mm

| Item | Description |
|------|-------------|
| 1 | Adapter |
| 2,5 | O Ring |
| 3 | Seal ring |
| 4 | Mating ring |

| Item | Description |
|------|-------------|
| 6 | Flange |
| 7 | Bellow |
| 8 | Screw |

Dimensional Data

Dimensions in millimeter

| D1 | D2 | D5 | D6 | D7 | D9 | D18 | D19 | D18 | D19 | L1 | L3 | L4 | L5 | L6 | L19 | L20 | L21 | L22 | L23 | L24 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|------|------|------|------|-------|------|-------|
| 16.00 | 30.00 | 27.00 | 23.00 | 15.60 | 19.80 | 23.00 | 27.00 | 23.00 | 27.00 | 32.50 | 17.10 | 8.60 | 8.50 | 8.50 | 5.00 | 9.00 | 5.00 | - | 3.00 | - |
| 18.00 | 32.00 | 33.00 | 27.00 | 19.60 | 23.80 | 27.00 | 33.00 | 27.00 | 33.00 | 30.50 | 19.00 | 10.00 | 9.00 | 9.00 | 5.00 | 9.00 | 5.00 | 7.00 | 3.00 | 15.00 |
| 20.00 | 33.50 | 35.00 | 29.00 | 21.60 | 25.80 | 29.00 | 35.00 | 29.00 | 35.00 | 30.50 | 19.00 | 10.00 | 9.00 | 9.00 | 5.00 | 9.00 | 5.00 | 7.00 | 3.00 | 15.00 |
| 22.00 | 36.50 | 37.00 | 31.00 | 23.60 | 27.80 | 31.00 | 37.00 | 31.00 | 37.00 | 30.50 | 19.00 | 10.00 | 9.00 | 9.00 | 5.00 | 9.00 | 5.00 | 7.00 | 3.00 | 15.00 |
| 24.00 | 39.00 | 39.00 | 33.00 | 25.60 | 29.80 | 33.00 | 39.00 | 33.00 | 39.00 | 28.50 | 19.00 | 10.00 | 9.00 | 9.00 | 5.00 | 9.00 | 5.00 | 7.00 | 3.00 | 15.00 |
| 25.00 | 39.60 | 40.00 | 34.00 | 26.60 | 30.80 | 34.00 | 40.00 | 34.00 | 40.00 | 28.50 | 19.00 | 10.00 | 9.00 | 9.00 | 5.00 | 9.00 | 5.00 | 7.00 | 3.00 | 15.00 |
| 28.00 | 42.80 | 43.00 | 37.00 | 29.60 | 33.80 | 37.00 | 43.00 | 37.00 | 43.00 | 31.00 | 19.00 | 10.00 | 9.00 | 9.00 | 5.00 | 9.00 | 5.00 | 7.00 | 3.00 | 15.00 |
| 30.00 | 45.00 | 45.00 | 39.00 | 31.60 | 35.80 | 39.00 | 45.00 | 39.00 | 45.00 | 31.00 | 19.00 | 10.00 | 9.00 | 9.00 | 5.00 | 9.00 | 5.00 | 7.00 | 3.00 | 15.00 |
| 32.00 | 46.00 | 48.00 | 42.00 | 34.60 | 38.80 | 42.00 | 48.00 | 42.00 | 48.00 | 31.00 | 19.00 | 10.00 | 9.00 | 9.00 | 5.00 | 9.00 | 5.00 | 7.00 | 3.00 | 15.00 |
| 33.00 | 48.00 | 48.00 | 42.00 | 34.60 | 38.80 | 42.00 | 48.00 | 42.00 | 48.00 | 31.00 | 19.00 | 10.00 | 9.00 | 9.00 | 5.00 | 9.00 | 5.00 | 7.00 | 3.00 | 15.00 |
| 35.00 | 49.20 | 50.00 | 44.00 | 36.60 | 40.80 | 44.00 | 50.00 | 44.00 | 50.00 | 31.00 | 19.00 | 10.00 | 9.00 | 9.00 | 5.00 | 9.00 | 5.00 | 7.00 | 3.00 | 15.00 |
| 38.00 | 52.30 | 56.00 | 49.00 | 39.60 | 44.80 | 49.00 | 56.00 | 49.00 | 56.00 | 31.00 | 20.00 | 11.00 | 9.00 | 9.00 | 6.00 | 9.00 | 5.00 | 7.00 | 4.00 | 16.00 |
| 40.00 | 55.50 | 58.00 | 51.00 | 41.60 | 46.80 | 51.00 | 58.00 | 51.00 | 58.00 | 31.00 | 20.00 | 11.00 | 9.00 | 9.00 | 6.00 | 9.00 | 5.00 | 8.00 | 4.00 | 16.00 |
| 43.00 | 57.50 | 61.00 | 54.00 | 44.60 | 49.80 | 54.00 | 61.00 | 54.00 | 61.00 | 31.00 | 20.00 | 11.00 | 9.00 | 9.00 | 6.00 | 9.00 | 5.00 | 8.00 | 4.00 | 16.00 |
| 45.00 | 58.70 | 63.00 | 56.00 | 46.60 | 51.80 | 56.00 | 63.00 | 56.00 | 63.00 | 31.00 | 20.00 | 11.00 | 9.00 | 9.00 | 6.00 | 9.00 | 5.00 | 8.00 | 4.00 | 16.00 |
| 48.00 | 61.90 | 66.00 | 59.00 | 49.60 | 54.80 | 59.00 | 66.00 | 59.00 | 66.00 | 31.00 | 20.00 | 11.00 | 9.00 | 9.00 | 6.00 | 9.00 | 5.00 | 8.00 | 4.00 | 16.00 |
| 50.00 | 65.50 | 70.00 | 62.00 | 52.60 | 57.80 | 62.00 | 70.00 | 62.00 | 70.00 | 32.50 | 21.50 | 13.00 | 8.50 | 8.50 | 6.00 | 9.00 | 5.00 | 9.50 | 4.00 | 17.00 |
| 53.00 | 68.60 | 73.00 | 65.00 | 55.60 | 60.80 | 65.00 | 73.00 | 65.00 | 73.00 | 32.50 | 21.50 | 13.00 | 8.50 | 8.50 | 6.00 | 9.00 | 5.00 | 9.50 | 4.00 | 17.00 |
| 55.00 | 70.00 | 75.00 | 67.00 | 57.60 | 62.80 | 67.00 | 75.00 | 67.00 | 75.00 | 32.50 | 21.50 | 13.00 | 8.50 | 8.50 | 6.00 | 9.00 | 5.00 | 9.50 | 4.00 | 17.00 |
| 58.00 | 71.70 | 78.00 | 70.00 | 60.60 | 65.80 | 70.00 | 78.00 | 70.00 | 78.00 | 37.50 | 21.50 | 13.00 | 8.50 | 8.50 | 6.00 | 9.00 | 5.00 | 10.50 | 4.00 | 18.00 |
| 60.00 | 74.60 | 80.00 | 72.00 | 62.60 | 67.80 | 72.00 | 80.00 | 72.00 | 80.00 | 37.50 | 21.50 | 13.00 | 8.50 | 8.50 | 6.00 | 9.00 | 5.00 | 10.50 | 4.00 | 18.00 |
| 63.00 | 79.00 | 83.00 | 75.00 | 65.60 | 70.80 | 75.00 | 83.00 | 75.00 | 83.00 | 37.50 | 21.50 | 13.00 | 8.50 | 8.50 | 6.00 | 9.00 | 5.00 | 10.50 | 4.00 | 18.00 |
| 65.00 | 84.10 | 85.00 | 77.00 | 67.60 | 72.80 | 77.00 | 85.00 | 77.00 | 85.00 | 37.50 | 21.50 | 13.00 | 8.50 | 8.50 | 6.00 | 9.00 | 5.00 | 10.50 | 4.00 | 18.00 |
| 68.00 | 87.30 | 90.00 | 81.00 | 71.60 | 76.80 | 81.00 | 90.00 | 81.00 | 90.00 | 34.50 | 24.30 | 15.30 | 9.00 | 9.00 | 7.00 | 9.00 | 5.00 | 11.00 | 4.00 | 18.50 |
| 70.00 | 87.30 | 92.00 | 83.00 | 73.60 | 78.80 | 83.00 | 92.00 | 83.00 | 92.00 | 42.00 | 24.30 | 15.30 | 9.00 | 9.00 | 7.00 | 9.00 | 5.00 | 11.50 | 4.00 | 19.00 |
| 75.00 | 95.00 | 97.00 | 88.00 | 78.60 | 83.80 | 88.00 | 97.00 | 88.00 | 97.00 | 42.00 | 24.30 | 15.30 | 9.00 | 9.00 | 7.00 | 9.00 | 5.00 | 11.50 | 4.00 | 19.00 |
| 80.00 | 98.40 | 105.00 | 95.00 | 85.60 | 90.80 | 95.00 | 105.00 | 95.00 | 105.00 | 41.80 | 24.70 | 15.70 | 9.00 | 9.00 | 7.00 | 9.00 | 5.00 | 11.50 | 4.00 | 19.00 |
| 85.00 | 104.70 | 110.00 | 100.00 | 90.60 | 95.80 | 100.00 | 110.00 | 100.00 | 110.00 | 41.80 | 24.70 | 15.70 | 9.00 | 9.00 | 7.00 | 9.00 | 5.00 | 11.50 | 4.00 | 19.00 |
| 90.00 | 111.00 | 115.00 | 105.00 | 95.06 | 100.80 | 105.00 | 115.00 | 105.00 | 115.00 | 46.80 | 24.70 | 15.70 | 9.00 | 9.00 | 7.00 | 9.00 | 5.00 | 13.00 | 4.00 | 20.50 |
| 95.00 | 114.00 | 120.00 | 110.00 | 100.60 | 105.80 | 110.00 | 120.00 | 110.00 | 120.00 | 47.80 | 24.70 | 15.70 | 9.00 | 9.00 | 7.00 | 9.00 | 5.00 | 13.00 | 4.00 | 20.50 |
| 100.00 | 117.40 | 125.00 | 115.00 | 105.60 | 110.80 | 115.00 | 125.00 | 115.00 | 125.00 | 47.80 | 24.70 | 15.70 | 9.00 | 9.00 | 7.00 | 9.00 | 5.00 | 13.00 | 4.00 | 20.50 |

Dimensions in Inches

| D1 | D2 | D5 | D6 | D7 | L1 | L2 |
|-------|--------|--------|--------|--------|-------|-------|
| 1.000 | 25.40 | 39.67 | 35.20 | 41.27 | 31.75 | 6.63 |
| 1.125 | 28.58 | 42.85 | 38.30 | 44.45 | 31.75 | 6.63 |
| 1.250 | 31.75 | 46.02 | 41.50 | 47.63 | 33.32 | 6.63 |
| 1.375 | 34.93 | 49.20 | 44.70 | 50.80 | 36.50 | 6.63 |
| 1.500 | 38.10 | 52.37 | 47.90 | 53.98 | 36.50 | 6.63 |
| 1.625 | 41.28 | 55.55 | 54.20 | 60.33 | 36.50 | 7.98 |
| 1.750 | 44.45 | 58.72 | 57.40 | 63.50 | 36.50 | 7.98 |
| 1.875 | 47.63 | 61.90 | 60.66 | 66.68 | 38.10 | 7.98 |
| 2.000 | 50.80 | 65.07 | 63.70 | 69.85 | 38.10 | 7.98 |
| 2.125 | 53.98 | 68.25 | 70.10 | 76.20 | 38.10 | 8.79 |
| 2.250 | 57.15 | 71.42 | 73.30 | 79.38 | 39.67 | 8.79 |
| 2.375 | 60.33 | 74.60 | 76.40 | 82.55 | 39.67 | 8.79 |
| 2.500 | 63.50 | 80.95 | 79.60 | 85.73 | 39.67 | 8.79 |
| 2.625 | 66.68 | 84.12 | 79.60 | 85.73 | 41.28 | 9.63 |
| 2.750 | 69.85 | 87.30 | 82.80 | 88.90 | 41.28 | 9.63 |
| 2.875 | 73.03 | 92.08 | 85.80 | 95.25 | 42.85 | 11.43 |
| 3.000 | 76.20 | 95.25 | 89.00 | 98.43 | 42.85 | 11.43 |
| 3.125 | 79.38 | 98.43 | 92.20 | 101.60 | 44.45 | 11.43 |
| 3.250 | 82.55 | 101.60 | 95.30 | 104.78 | 44.45 | 11.43 |
| 3.375 | 85.73 | 104.78 | 98.50 | 107.95 | 44.45 | 11.43 |
| 3.500 | 88.90 | 107.95 | 101.70 | 111.13 | 47.63 | 11.43 |
| 3.625 | 92.08 | 111.13 | 104.90 | 114.30 | 47.63 | 12.50 |
| 3.750 | 95.25 | 114.30 | 108.10 | 117.48 | 47.63 | 12.50 |
| 3.875 | 98.43 | 117.48 | 111.20 | 120.65 | 47.63 | 12.50 |
| 4.000 | 101.60 | 120.65 | 114.40 | 123.83 | 48.34 | 12.50 |

Note: Additional technical & dimensional information will be provided on request