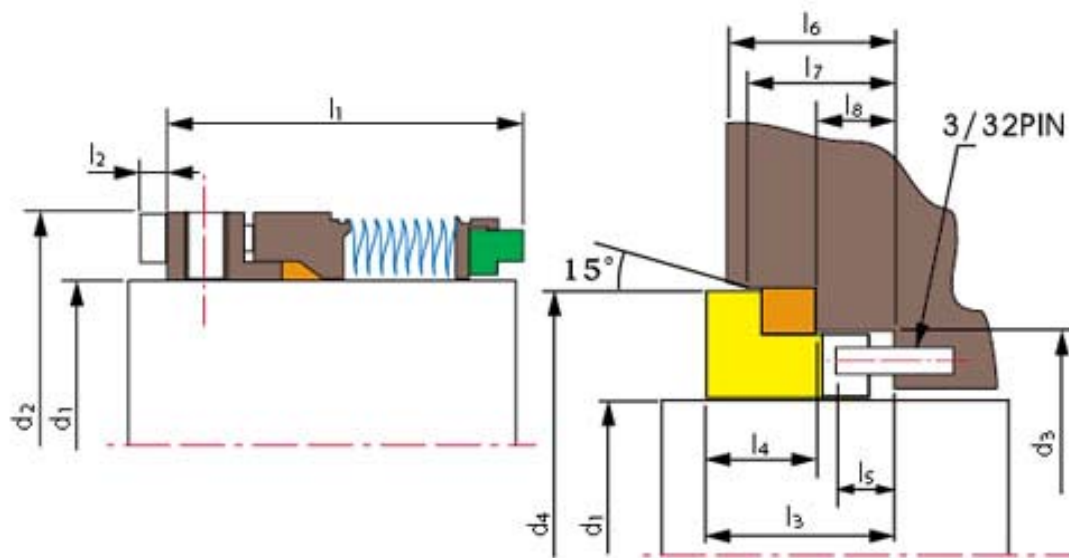


TSMB-C01 Metal Bellows Seal



Features:

Operating Limits:

Pressure: ≤ 2 MPa

Speed: ≤ 20 m/s

Temperature: $-73^{\circ}\text{C} \sim +427^{\circ}\text{C}$

1. Rotary Ring (SiC/Carbon/TC)

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2.Stationary Ring (SiC/TC)

3.Secondary Seal (Flexible Carbon)

4.Metal Bellows (SUS316L/AM350/Inconel718/Titanium/Hastelloy-C/Alloy-20)

5.Other Parts (SUS304/SUS316/Titanium/Hastelloy-C)

| d ₁ (inches/pulgadas) | d ₂ | l ₁ | l ₂ |
|-------------------------------------|----------------|----------------|----------------|
| 1.000 | 1.562 | 1.687 | 0.125 |
| 1.125 | 1.687 | 1.562 | 0.125 |
| 1.250 | 1.812 | 1.562 | 0.125 |
| 1.375 | 1.937 | 1.750 | 0.125 |
| 1.500 | 2.170 | 1.750 | 0.164 |
| 1.625 | 2.295 | 1.750 | 0.164 |
| 1.750 | 2.420 | 1.750 | 0.164 |
| 1.875 | 2.545 | 1.750 | 0.164 |
| 2.000 | 2.670 | 1.750 | 0.164 |
| 2.125 | 2.795 | 1.750 | 0.164 |
| 2.250 | 2.920 | 1.875 | 0.164 |
| 2.375 | 3.045 | 1.875 | 0.164 |
| 2.500 | 3.187 | 1.875 | 0.164 |
| 2.625 | 3.312 | 1.875 | 0.164 |

| d ₁ (inches/pulgadas) | d ₂ | l ₁ | l ₂ |
|-------------------------------------|----------------|----------------|----------------|
| 25 | 39.7 | 42.8 | 3.2 |
| 28 | 42.8 | 39.7 | 3.2 |
| 30 | 46.0 | 42.8 | 3.2 |

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| | | | |
|----|------|------|-----|
| 32 | 46.0 | 42.8 | 3.2 |
| 35 | 49.2 | 44.5 | 3.2 |
| 38 | 55.1 | 44.5 | 4.2 |
| 40 | 58.3 | 44.5 | 4.2 |
| 42 | 61.5 | 44.5 | 4.2 |
| 45 | 62.3 | 44.5 | 4.2 |
| 48 | 64.6 | 44.5 | 4.2 |
| 50 | 67.8 | 44.5 | 4.2 |
| 55 | 74.2 | 47.6 | 4.2 |
| 60 | 77.3 | 47.6 | 4.2 |
| 65 | 84.1 | 47.6 | 4.2 |

| d1 (inches/pulgadas) | d4 | l3 | d3 | l6 | l7 | l8 | l4 | l5 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.000 | 1.625 | 0.437 | 1.384 | 0.551 | 0.390 | 0.240 | 0.261 | 0.125 |
| 1.125 | 1.750 | 0.437 | 1.509 | 0.551 | 0.390 | 0.240 | 0.261 | 0.125 |
| 1.250 | 1.875 | 0.437 | 1.634 | 0.551 | 0.390 | 0.240 | 0.261 | 0.125 |
| 1.375 | 2.000 | 0.437 | 1.759 | 0.551 | 0.390 | 0.240 | 0.261 | 0.125 |
| 1.500 | 2.125 | 0.437 | 1.884 | 0.551 | 0.390 | 0.240 | 0.261 | 0.125 |
| 1.625 | 2.375 | 0.500 | 2.134 | 0.592 | 0.431 | 0.251 | 0.314 | 0.125 |
| 1.750 | 2.500 | 0.500 | 2.259 | 0.592 | 0.431 | 0.251 | 0.314 | 0.125 |
| 1.875 | 2.625 | 0.500 | 2.384 | 0.592 | 0.431 | 0.251 | 0.314 | 0.125 |
| 2.000 | 2.750 | 0.500 | 2.509 | 0.592 | 0.431 | 0.251 | 0.314 | 0.125 |
| 2.125 | 3.000 | 0.562 | 2.759 | 0.641 | 0.480 | 0.300 | 0.346 | 0.156 |
| 2.250 | 3.125 | 0.562 | 2.884 | 0.641 | 0.480 | 0.300 | 0.346 | 0.156 |

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| | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2.375 | 3.250 | 0.562 | 3.009 | 0.641 | 0.480 | 0.300 | 0.346 | 0.156 |
| 2.500 | 3.375 | 0.562 | 3.134 | 0.641 | 0.480 | 0.300 | 0.346 | 0.156 |
| 2.625 | 3.375 | 0.625 | 3.134 | 0.682 | 0.521 | 0.341 | 0.379 | 0.170 |

| d1 | d4 | l3 | d3 | l6 | l7 | l8 | l4 | l5 |
|-------------------|------|------|------|------|------|-----|-----|-----|
| (inches/pulgadas) | | | | | | | | |
| 25 | 41.2 | 11.1 | 35.1 | 14.0 | 9.9 | 6.1 | 6.6 | 3.1 |
| 28 | 44.4 | 11.1 | 38.3 | 14.0 | 9.9 | 6.1 | 6.6 | 3.1 |
| 30 | 47.6 | 11.1 | 41.5 | 14.0 | 9.9 | 6.1 | 6.6 | 3.1 |
| 32 | 47.6 | 11.1 | 41.5 | 14.0 | 9.9 | 6.1 | 6.6 | 3.1 |
| 35 | 50.8 | 11.1 | 44.6 | 14.0 | 9.9 | 6.1 | 6.6 | 3.1 |
| 38 | 53.9 | 11.1 | 47.8 | 14.0 | 9.9 | 6.1 | 6.6 | 3.1 |
| 40 | 60.3 | 12.7 | 54.2 | 15.0 | 10.9 | 6.3 | 7.9 | 3.1 |
| 42 | 63.5 | 12.7 | 57.3 | 15.0 | 10.9 | 6.3 | 7.9 | 3.1 |
| 45 | 66.6 | 12.7 | 60.5 | 15.0 | 10.9 | 6.3 | 7.9 | 3.1 |
| 48 | 69.8 | 12.7 | 63.7 | 15.0 | 10.9 | 6.3 | 7.9 | 3.1 |
| 50 | 76.2 | 14.2 | 70 | 16.2 | 12.1 | 7.6 | 8.7 | 3.9 |
| 55 | 79.3 | 14.2 | 73.2 | 16.2 | 12.1 | 7.6 | 8.7 | 3.9 |
| 60 | 82.5 | 14.2 | 76.4 | 16.2 | 12.1 | 7.6 | 8.7 | 3.9 |
| 65 | 85.7 | 15.8 | 79.6 | 17.3 | 13.2 | 8.6 | 9.6 | 4.3 |

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