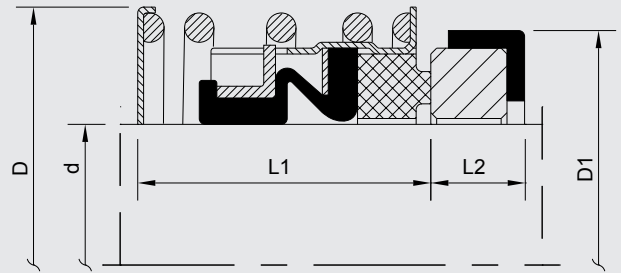
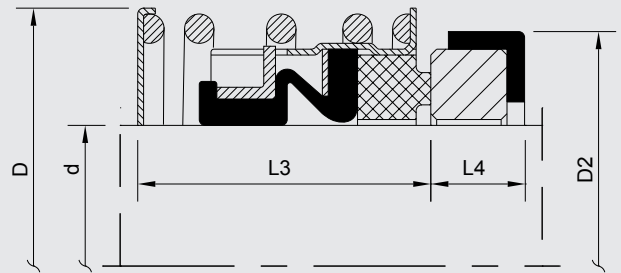


Melbourne

Elastomer bellows seals



MB1/BR3



MB2/BR2

Technical features

- Single spring
- Unbalanced
- Bi-directional
- Elastomer bellows

Operating limits

P = 290 PSI
T = -95 to 320°F
V = 65 ft/s

| Description | Materials |
|-----------------|--|
| Primary rings | silicon carbide, tungsten carbide, carbon graphite |
| Mating rings | silicon carbide, tungsten carbide, ceramic |
| Secondary seals | NBR, EPDM, Viton |
| Metal parts | Stainless 304 / Stainless 316* |

* upon request

Available products:

- Melbourne 1 (MB1)
- Melbourne 2 (MB2)

Mating rings

- For MB1: BR3 (standard)
- For MB2: BR2 (standard), FR1

| d (inc) | d (mm) | D | MB1 L1 | MB2 L3 | BR3 D1 | BR3 L2 | BR2 D2 | BR2 L4 |
|---------|--------|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| .500 | 12 | 1.187 | 1.000 | .813 | 1.094 | .344 | 1.000 | .312 |
| .625 | 14-16 | 1.312 | 1.000 | .875 | 1.219 | .406 | 1.250 | .406 |
| .750 | 18 | 1.437 | 1.000 | .875 | 1.344 | .406 | 1.375 | .406 |
| .875 | 20-22 | 1.562 | 1.000 | .937 | 1.469 | .406 | 1.500 | .406 |
| 1.000 | 24-25 | 1.791 | 1.000 | 1.000 | 1.594 | .406 | 1.625 | .437 |
| 1.125 | 28 | 1.910 | 1.312 | 1.062 | 1.875 | .472 | 1.750 | .437 |
| 1.250 | 30-32 | 2.061 | 1.312 | 1.062 | 2.000 | .472 | 1.875 | .437 |
| 1.375 | 33-35 | 2.250 | 1.312 | 1.125 | 2.125 | .472 | 2.000 | .437 |
| 1.500 | 38 | 2.375 | 1.312 | 1.125 | 2.250 | .472 | 2.125 | .437 |
| 1.625 | 40 | 2.718 | 1.312 | 1.375 | 2.375 | .472 | 2.375 | .500 |
| 1.750 | 43-45 | 2.750 | 1.594 | 1.375 | 2.500 | .472 | 2.500 | .500 |
| 1.875 | 48 | 2.875 | 1.594 | 1.500 | 2.625 | .472 | 2.625 | .500 |
| 2.000 | 50 | 3.000 | 1.594 | 1.500 | 2.750 | .531 | 2.750 | .500 |
| 2.125 | 53 | 3.250 | 1.615 | 1.687 | 2.875 | .531 | 3.000 | .562 |
| 2.250 | 55 | 3.375 | 1.615 | 1.687 | 3.000 | .531 | 3.125 | .562 |
| 2.375 | 60 | 3.500 | 1.615 | 1.812 | 3.125 | .531 | 3.250 | .562 |
| 2.500 | 63 | 3.625 | 1.615 | 1.812 | 3.250 | .531 | 3.375 | .562 |
| 2.625 | 65 | 3.875 | 1.929 | 1.937 | 3.625 | .625 | 3.375 | .625 |
| 2.750 | 70 | 4.000 | 1.929 | 1.937 | 3.750 | .625 | 3.500 | .625 |
| 2.875 | 73 | 4.125 | 2.047 | 2.062 | 3.875 | .625 | 3.750 | .625 |
| 3.000 | 75 | 4.250 | 2.047 | 2.062 | 4.000 | .625 | 3.875 | .625 |
| 3.125 | 80 | 4.562 | 2.208 | 2.187 | 4.375 | .781 | - | - |
| 3.250 | - | 4.687 | 2.208 | 2.187 | 4.500 | .781 | - | - |
| 3.375 | 85 | 4.812 | 2.208 | 2.187 | 4.625 | .781 | - | - |
| 3.500 | - | 4.937 | 2.208 | 2.187 | 4.750 | .781 | - | - |
| 3.625 | 90 | 5.125 | 2.323 | 2.312 | 4.875 | .781 | - | - |
| 3.750 | 95 | 5.250 | 2.323 | 2.312 | 5.000 | .781 | - | - |
| 3.875 | - | 5.437 | 2.441 | 2.312 | 5.125 | .781 | - | - |
| 4.000 | 100 | 5.562 | 2.441 | 2.312 | 5.250 | .781 | - | - |
| 4.500 | 110 | 5.315 | - | 2.312 | - | - | - | - |
| 4.750 | 120 | 5.709 | - | 2.835 | - | - | - | - |