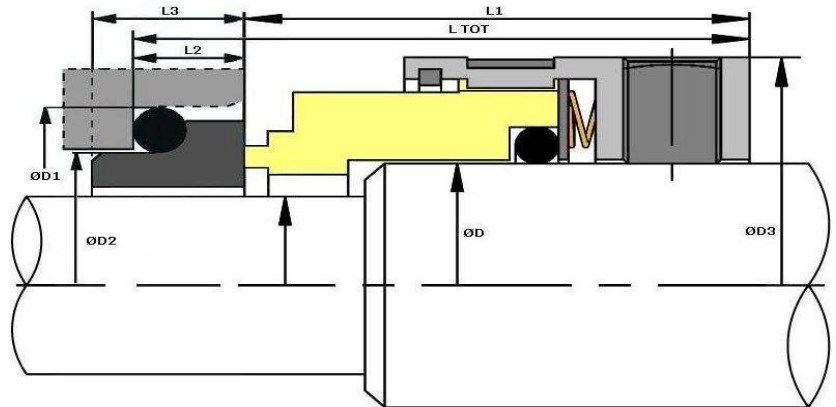
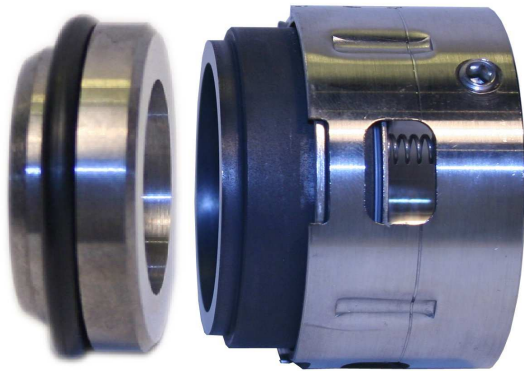




Type 1659BSR



VULCAN STANDARD SIZES

| Metric Size D | Size Code | D1 | D2 | D3 | L1 | L2 | L3 | L TOTAL |
|---------------|-----------|--------|--------|--------|-------|-------|-------|---------|
| 18 | 0180 | 25.00 | 20.40 | 32.20 | 30.50 | 8.60 | 10.00 | 39.10 |
| 20 | 0200 | 27.00 | 22.40 | 34.20 | 30.50 | 8.60 | 10.00 | 39.10 |
| 22 | 0220 | 33.00 | 26.60 | 36.50 | 31.50 | 10.00 | 11.50 | 41.50 |
| 24 | 0240 | 35.00 | 28.60 | 38.60 | 31.50 | 10.00 | 11.50 | 41.50 |
| 28 | 0280 | 39.00 | 32.60 | 43.00 | 34.20 | 10.00 | 11.50 | 44.20 |
| 30 | 0300 | 40.00 | 33.60 | 45.00 | 34.50 | 10.00 | 11.50 | 44.50 |
| 33 | 0330 | 43.00 | 36.60 | 48.20 | 37.50 | 10.00 | 11.50 | 47.50 |
| 35 | 0350 | 45.00 | 38.60 | 50.00 | 38.00 | 10.00 | 11.50 | 48.00 |
| 38 | 0380 | 48.00 | 41.60 | 54.00 | 38.00 | 10.00 | 11.50 | 48.00 |
| 40 | 0400 | 50.00 | 43.80 | 56.00 | 38.00 | 10.00 | 11.50 | 48.00 |
| 43 | 0430 | 56.00 | 48.80 | 59.00 | 39.50 | 11.00 | 12.50 | 50.50 |
| 45 | 0450 | 58.00 | 50.80 | 61.00 | 39.50 | 11.00 | 12.50 | 50.50 |
| 48 | 0480 | 61.00 | 53.80 | 64.00 | 39.50 | 11.00 | 12.50 | 50.50 |
| 50 | 0500 | 63.00 | 55.80 | 66.30 | 39.50 | 11.00 | 12.50 | 50.50 |
| 53 | 0530 | 66.00 | 58.80 | 68.70 | 39.50 | 11.00 | 12.50 | 50.50 |
| 55 | 0550 | 70.00 | 61.30 | 70.80 | 44.00 | 13.00 | 14.50 | 57.00 |
| 58 | 0580 | 73.00 | 64.30 | 78.00 | 44.00 | 13.00 | 14.50 | 57.00 |
| 60 | 0600 | 75.00 | 66.30 | 79.80 | 44.00 | 13.00 | 14.50 | 57.00 |
| 63 | 0630 | 78.00 | 69.30 | 82.80 | 49.00 | 13.00 | 14.50 | 62.00 |
| 65 | 0650 | 80.00 | 71.30 | 85.50 | 49.00 | 13.00 | 14.50 | 62.00 |
| 68 | 0680 | 83.00 | 74.30 | 87.80 | 49.00 | 13.00 | 14.50 | 62.00 |
| 70 | 0700 | 85.00 | 76.30 | 90.00 | 49.00 | 13.00 | 14.50 | 60.00 |
| 75 | 0750 | 92.00 | 82.60 | 95.20 | 55.50 | 15.30 | 16.50 | 60.00 |
| 80 | 0800 | 97.00 | 87.60 | 103.80 | 55.50 | 15.30 | 16.50 | 60.00 |
| 85 | 0850 | 105.00 | 94.70 | 109.10 | 55.00 | 15.70 | 17.50 | 60.00 |
| 90 | 0900 | 110.00 | 99.70 | 113.80 | 60.00 | 15.70 | 17.50 | 65.00 |
| 95 | 0950 | 115.00 | 104.70 | 118.50 | 60.00 | 15.70 | 17.50 | 65.00 |
| 100 | 1000 | 120.00 | 109.70 | 123.50 | 60.00 | 15.70 | 17.50 | 65.00 |

Metric shaft size, multiple spring, step balanced 'O'-ring mounted rotary with long style 'O'-ring mounted seat, to EN12756 DIN 24960 DIN housing sizes.

Suitable for medium and heavy pump duties.

STANDARD FACE MATERIALS
Rotary Face: M825 Carbon, RB Silicon Carbide, Q1 Silicon Carbide, Tungsten Carbide.

Seat Ring: Ceramic, RB Silicon Carbide, Q1 Silicon Carbide, Tungsten Carbide.

Suggested Operating Limits

Pressure 320psi Speed 25m/s

Temperature -100 to +200°C

Limits are dependant upon shaft size, shaft speed, temperature, and media to be sealed.