



sterling range

www.first4seals.com



single spring

mechanical seal range

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first4seals plc, mount street, bradford, west yorkshire. bd3 9sn united kingdom

Tel: +44 (0) 1274 720775 Fax: +44 (0) 1274 729022

email: seals@first4seals.com - web: www.first4seals.com

TYPE 152 MECHANICAL SEALS (Imperial)

Type 152 DIN Profile Seals have a working length to suit a common International standard and the same working length and the same stationary seat as Type 212.

The robust, heavy duty bellows design provides optimum flexibility, durability and performance.



Benefits

- Robust – Heavy duty bellows
- Self adjusting – Bellows take care of wear and shaft float
- Long life – Due to rugged construction
- Non clogging – Open single coil spring and bellows
- Non fretting – No moving 'O' Rings
- Bi-directional – Heavy duty bellows drive

All metal parts in Stainless Steel as standard.

Service Capability

- Maximum Speed – 15m/sec*
- Maximum Pressure – 14 bar*
- Temperature – -40°C to +200°C
- Media – Dependant on materials

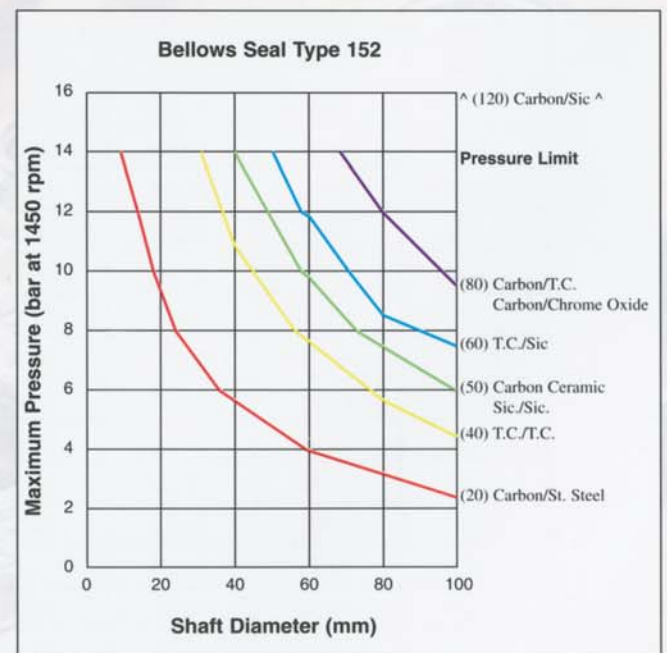
* See P.V. Curves for maximum speed/pressure combination

NOTE

P.V. Curves for water at 20°C

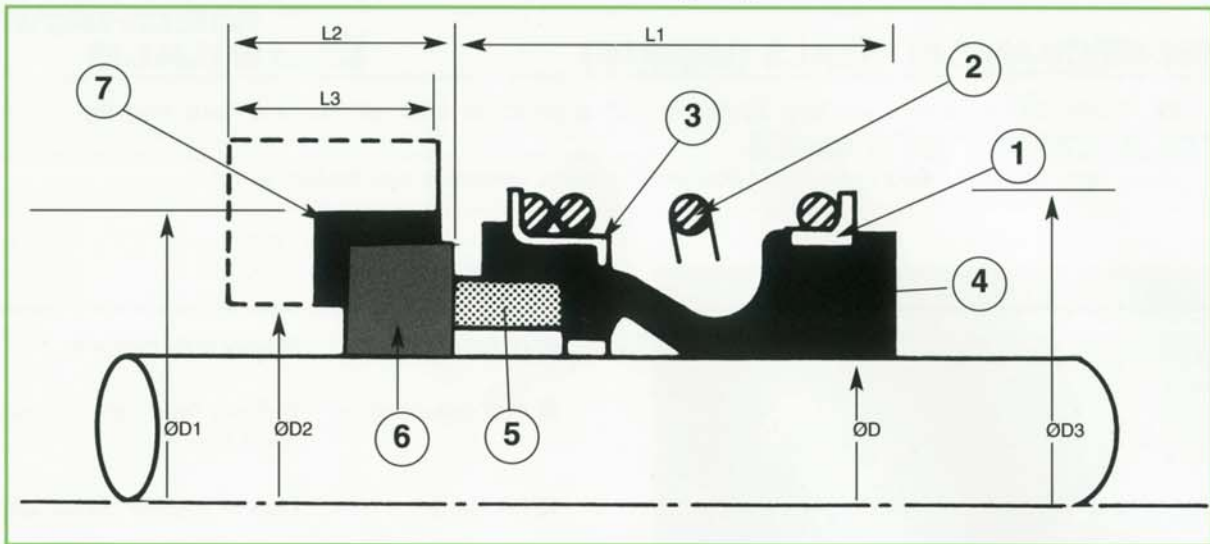
Materials

- Rotary Face (5) – Carbon, Reaction Bonded Silicon Carbide
- Stationary Face (6) – Ceramic, Reaction Bonded Silicon Carbide
- Spring (2) – 316 Stainless Steel
- Metal Parts (1,3) – 316 Stainless Steel
- Elastomers (4,7) – Nitrile, EP, Viton



OTHER MATERIALS AVAILABLE TO SPECIAL ORDER

SEAL TYPE 152 (Imperial)



| Inch Shaft Size D | Size Code | D1 mm | D2 mm | D3 mm | L1 mm | L2 mm | L3 mm |
|-------------------|-----------|--------|--------|-------|-------|-------|-------|
| 0.375 | 0095 | 24.60 | 16.00 | 20.0 | 25.40 | 08.74 | 07.47 |
| 0.500 | 0127 | 27.79 | 19.05 | 22.0 | 25.40 | 08.74 | 07.47 |
| 0.625 | 0158 | 30.95 | 22.23 | 26.0 | 25.40 | 10.32 | 08.97 |
| 0.750 | 0191 | 34.15 | 25.40 | 32.0 | 25.40 | 10.32 | 08.97 |
| 0.875 | 0222 | 37.30 | 28.58 | 36.0 | 25.40 | 10.32 | 08.97 |
| 1.000 | 0254 | 40.50 | 31.75 | 39.0 | 25.40 | 10.32 | 08.97 |
| 1.125 | 0286 | 47.63 | 35.72 | 42.0 | 33.34 | 11.99 | 10.46 |
| 1.250 | 0317 | 50.80 | 38.89 | 46.0 | 33.34 | 11.99 | 10.46 |
| 1.375 | 0349 | 53.98 | 42.07 | 49.0 | 33.34 | 11.99 | 10.46 |
| 1.500 | 0381 | 57.15 | 45.24 | 54.0 | 33.34 | 11.99 | 10.46 |
| 1.625 | 0412 | 60.35 | 48.42 | 56.0 | 33.34 | 11.99 | 10.46 |
| 1.750 | 0444 | 63.50 | 51.59 | 61.0 | 40.48 | 11.99 | 10.46 |
| 1.875 | 0476 | 66.70 | 54.75 | 64.0 | 40.48 | 11.99 | 10.46 |
| 2.000 | 0508 | 69.85 | 58.00 | 66.0 | 40.48 | 11.99 | 10.46 |
| 2.125 | 0539 | 73.05 | 62.00 | 69.0 | 41.00 | 13.50 | 11.96 |
| 2.250 | 0571 | 76.20 | 65.00 | 71.0 | 41.00 | 13.50 | 11.96 |
| 2.375 | 0603 | 79.40 | 68.00 | 80.0 | 41.00 | 13.50 | 11.96 |
| 2.500 | 0635 | 82.55 | 71.20 | 83.0 | 41.00 | 13.50 | 11.96 |
| 2.625 | 0666 | 92.10 | 78.35 | 85.0 | 49.00 | 15.90 | 14.50 |
| 2.750 | 0698 | 95.25 | 81.10 | 90.0 | 49.00 | 15.90 | 14.50 |
| 2.875 | 0730 | 98.45 | 84.50 | 96.0 | 49.00 | 15.90 | 14.50 |
| 3.000 | 0762 | 101.65 | 88.10 | 99.0 | 49.00 | 15.90 | 14.50 |
| 3.125 | 0794 | 111.15 | 93.68 | 104.0 | 56.00 | 20.00 | 18.50 |
| 3.250 | 0826 | 114.30 | 96.85 | 104.0 | 56.00 | 20.00 | 18.50 |
| 3.375 | 0857 | 117.50 | 100.00 | 109.0 | 56.00 | 20.00 | 18.50 |
| 3.500 | 0889 | 120.65 | 103.18 | 114.0 | 56.00 | 20.00 | 18.50 |
| 3.625 | 0921 | 123.85 | 106.35 | 114.0 | 59.00 | 20.00 | 18.50 |
| 3.750 | 0953 | 127.00 | 109.52 | 119.0 | 59.00 | 20.00 | 18.50 |
| 3.875 | 0984 | 130.20 | 112.65 | 122.0 | 62.00 | 20.00 | 18.50 |
| 4.000 | 1016 | 133.35 | 115.88 | 124.0 | 62.00 | 20.00 | 18.50 |