EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

# BT-A2

## Mechanical seals | Mechanical seals for pumps | Elastomer bellows seals



**Features**
- Unbalanced
- Single spring
- Independent of direction of rotation
- Stationary spring-loaded unit

**Advantages**
- Stationary mechanical seal in inch dimensions
- Compact design
- Rotating mating ring
- No torsion on bellows
- High volume seal for use in low pressure, small diameter rotary shaft applications

**Operating range**
Shaft diameter: d1 = 0.500", 0.625", 0.750"
Pressure: p1* = 4 bar (58 PSI)
Temperature:
t* = -20 °C ... +90 °C (-4 °F ... +194 °F)
Sliding velocity: vg = 10 m/s (33 ft/s)

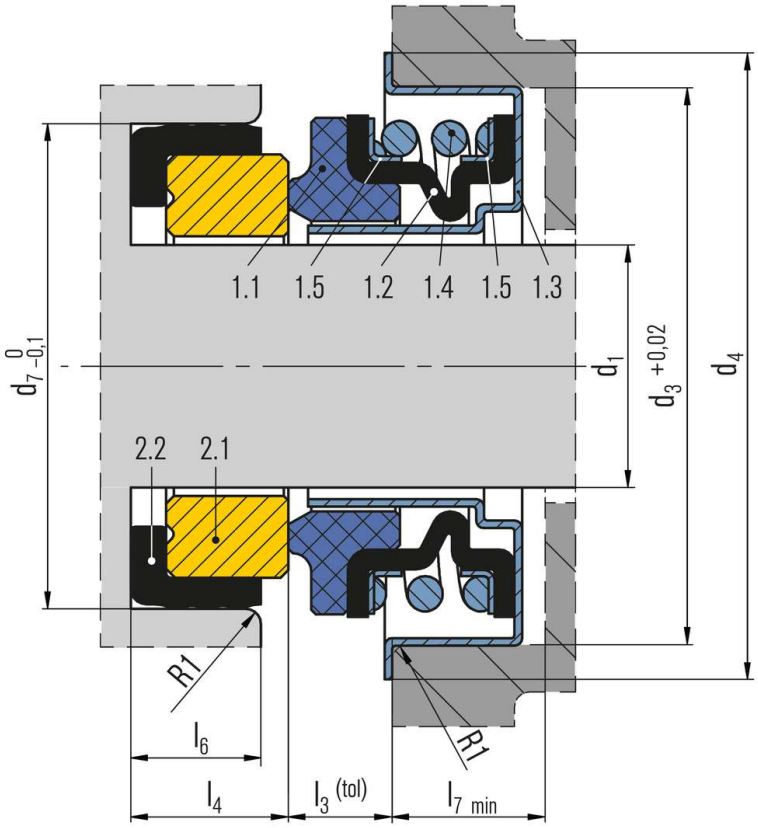
* Dependent on medium, size and materials

**Materials**
Seal face: Carbon graphite resin impregnated (B),Full carbon grade (B3)
Seat: Al-Oxide (V1), Silicon carbide (Q1)
Elastomers: NBR (P), EPDM (E), FKM (V)
Metal parts: CrNi steel (F), CrNiMo steel (G)

**Recommended applications**
- Water and wastewater technology
- Swimming pool pumps
- Whirlpool pumps
- Small centrifugal water pumps
- Domestic appliances

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All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. This is subject to change.




| Item | Description |
|---|---|
| 1.1 | Seal face |
| 1.2 | Bellows |
| 1.3 | Collar |
| 1.4 | Spring |
| 1.5 | L-Ring |
| 2.1 | Seat |
| 2.2 | Gasket |

## Dimensions

| $d_1$ | $d_1$ | $d_3$ | $d_4$ | $d_7$ | $l_3$ | tol | $l_4$ | $l_6$ | $l_7$ |
|---|---|---|---|---|---|---|---|---|---|
| 0.500" | 12.70 | 28.55 | 35 | 25.40 | 5.20 | +0.5 | 8.00 | 6.50 | 9.50 |
| 0.625" | 15.88 | 36.45 | 41 | 31.75 | 6.80 | +0.5 | 10.30 | 9.00 | 10.00 |
| 0.750" | 19.05 | 40.00 | 44 | 34.93 | 6.80 | +0.5 | 10.30 | 8.50 | 10.50 |

**BT-A2** - Dimensions in inch / millimeter



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