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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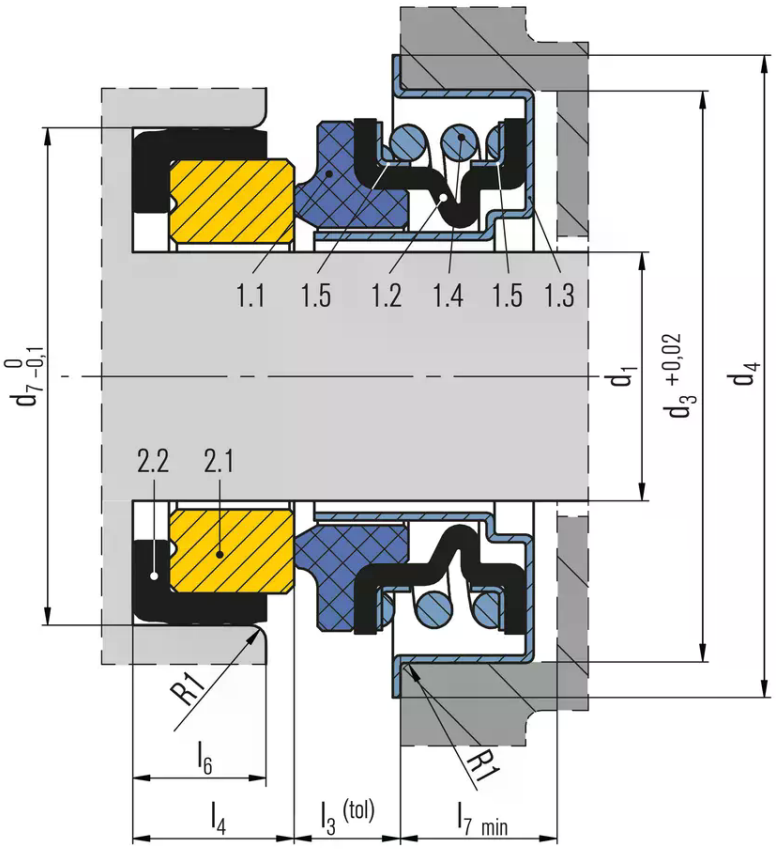
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. 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"	12.7	28.55	35	25.4	5.2	+0.5	8	6.5	9.5
0.625"	15.88	36.45	41	31.75	6.8	+0.5	10.3	9	10.0
0.750"	19.05	40	44	34.93	6.5	+0.7	10.3	8.5	10.5

BT-A2 - Dimensions in inch/millimeter

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