

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: $d_1 = 0.500''$, $0.625''$, $0.750''$

Pressure: $p_1^* = 4 \text{ bar}$ (58 PSI)

Temperature:

$t^* = -20 \text{ }^\circ\text{C} \dots +90 \text{ }^\circ\text{C}$ ($-4 \text{ }^\circ\text{F} \dots +194 \text{ }^\circ\text{F}$)

Sliding velocity: $v_g = 10 \text{ m/s}$ (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)

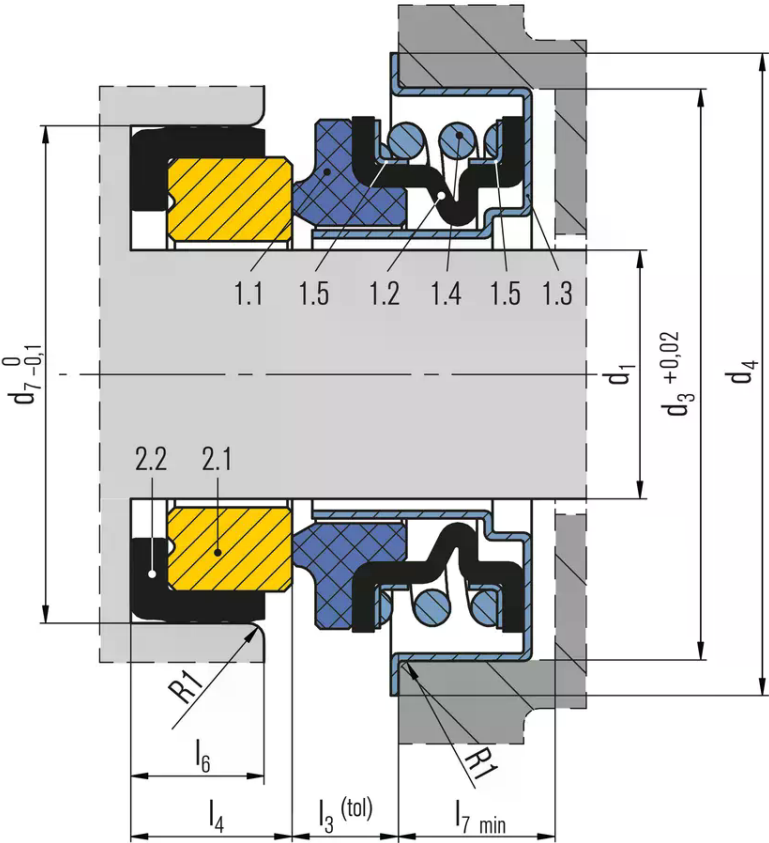
Elastomers: NBR (P), EPDM (E), FKM (V)

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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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