

RELY ON EXCELLENCE

BT-A2

Mechanical seals | Mechanical seals for pumps | Elastomer bellows seals



Features

- Rubber bellows mechanical seal
- Unbalanced
- Single spring
- Independent of direction of rotation
- Stationary design

Advantages

Stationary mechanical seal in inch dimensions. Spread throughout the world, this type of mechanical seal has reached an unsurpassed quality level. The BT-A2 features all carbon or high quality resin impregnated carbon, aluminium oxide 96 %, is stationary and the rubber bellows are glued on collar. Static air pressure test to 100 % production. Excellent solution for swimming pool pumps.

Operating range

Shaft diameter: $d_1 = 1/2", 5/8", 3/4"$
Pressure: $p_1^* = 4 \text{ bar (58 PSI)}$
Temperature:
 $t^* = -20 \text{ °C ... } +90 \text{ °C (-4 °F ... } +194 \text{ °F)}$
Sliding velocity: $v_g = 10 \text{ m/s (33 ft/s)}$

* Dependent on medium, size and materials

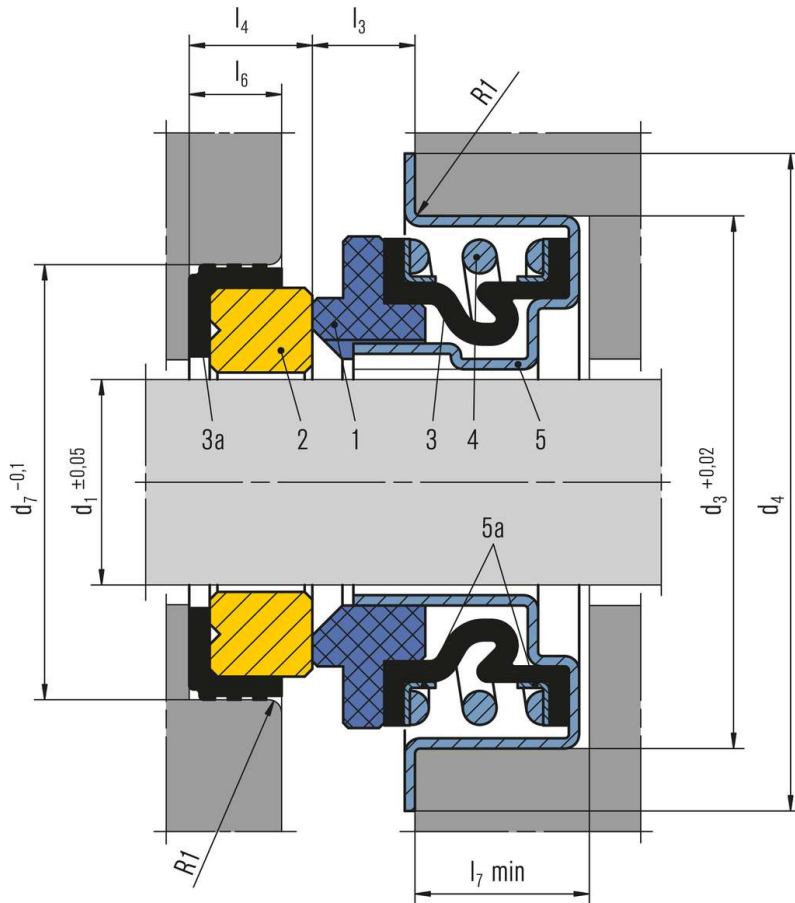
Materials

Seal face: Carbon graphite resin impregnated (B), Carbon graphite, full carbon (B3)
Seat: Aluminium oxide (V1), Silicon carbide (Q1)
Elastomers: NBR (P), EPDM (E), FKM (V)
Metal parts: CrNi steel (F), CrNiMo steel (G)

Recommended applications

- Pool and spa applications
- Household appliances
- Domestic and garden pumps
- Clean water pumps
- Swimming pool pumps
- Whirlpool pumps

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Item Description

- 1 Seal face
- 2 Seat
- 3 Bellows
- 3a Gasket
- 4 Spring
- 5 Collar
- 5a L-ring

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	5.2	+0.5	8.00	6.00	10
0.625"	15.88	36.45	41	31.75	6.8	+0.5	10.30	8.50	10
0.750"	19.05	40.00	44	34.95	6.5	+0.5	10.30	8.00	11

BT-A2 - Dimensions in inch / millimeter