

BT-A2



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.

Features

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

Operating range (see note on page 28)

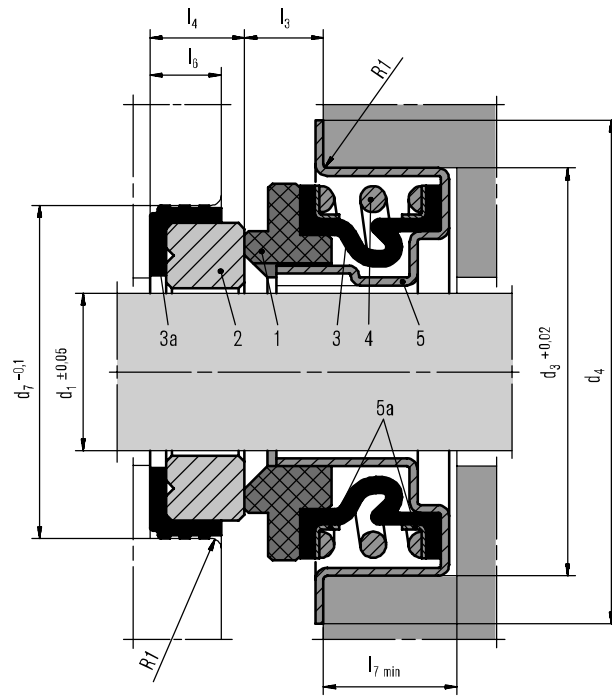
Shaft diameter: $d_1 = 1/2", 5/8", 3/4"$

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

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

Sliding velocity: $v_g = 10 \text{ m/s (33 ft/s)}$

* Dependent on medium, size and material



Materials (see fold-out page 28)

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)

Item Description

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

Recommended applications

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

Dimensions BT-A2 in inch/mm

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	35.00	25.40	5.2	+0.5	8.0	6.0	10
0.625"	15.88	36.45	41.00	31.75	6.8	+0.5	10.3	8.5	10
0.750"	19.05	40.00	44.00	34.95	6.5	+0.5	10.3	8.0	11