

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

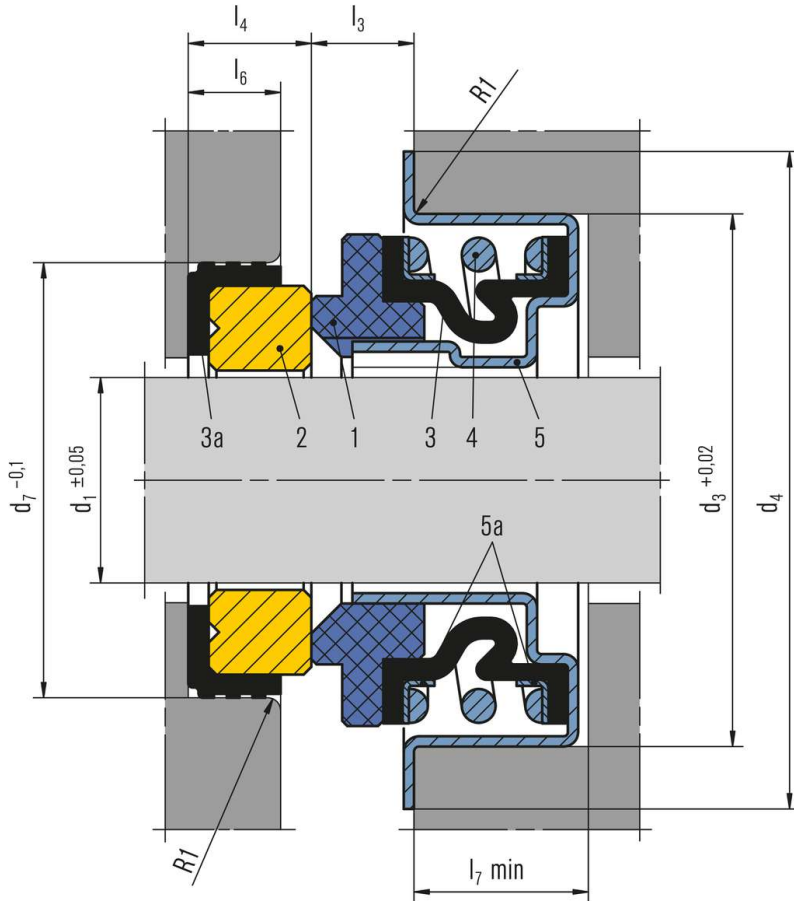
\* Dependent on medium, size and materials

### 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



**Item Description**

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

## Dimensions

d <sub>1</sub>	d <sub>1</sub>	d <sub>3</sub>	d <sub>4</sub>	d <sub>7</sub>	l <sub>3</sub>	tol	l <sub>4</sub>	l <sub>6</sub>	l <sub>7</sub>
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