

# HBrinker Mechanical Seal

Elastomer Bellows Mechanical Seal HBT-A2



## Mechanical Seal HBT-A2

### Operating range

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

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

### 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)

### Features

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

### Advantages

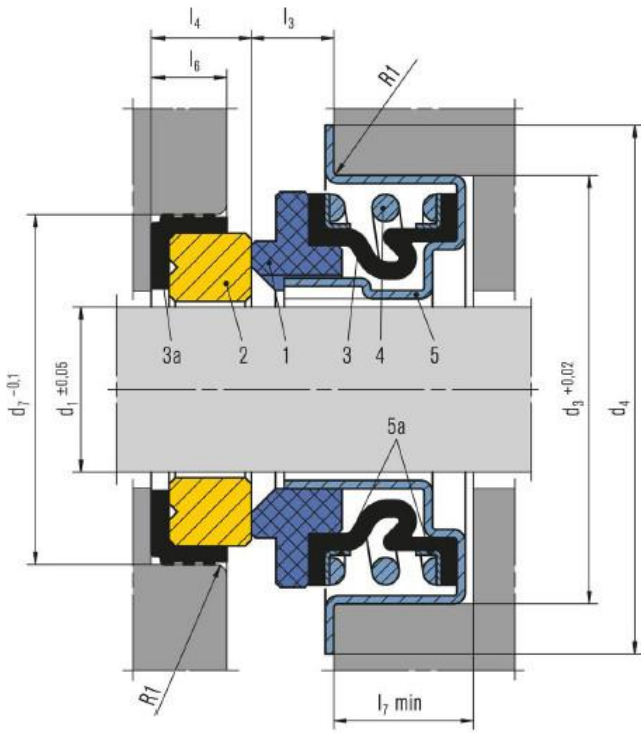
Stationary mechanical seal in inch dimensions. Spread throughout the world, this type of mechanical seal has reached an unsurpassed quality level. The HBT-A2 features all carbon or high quality resin impregnated carbon, aluminium oxide 96 %, is stationary and the rubber bellows are glued on collar. Static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

### 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

Dimension Table in millimeter

$d_1$	$d_1$	$d_3$	$d_4$	$d_7$	$l_3$	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