

HBrinker Mechanical Seal

Elastomer Bellows Mechanical Seal HBD560



Mechanical Seal HBD560

Operating range

Shaft diameter: $d_1 = 13 \dots 50 \text{ mm}$ (0.51" ... 1.96")

Pressure: $p_1 = d \leq 19 \text{ mm}$: 2 bar (29 PSI), $d \geq 20 \text{ mm}$: 3 bar (44 PSI), vacuum ... 0.1 bar (1.45 PSI)

Temperature: $t = -20 \text{ }^\circ\text{C} \dots +70 \text{ }^\circ\text{C}$ (-4 °F ... 158 °F)

Sliding velocity: $v_g = 5 \text{ m/s}$ (16 ft/s)

Axial movement: $\pm 1.0 \text{ mm}$ Axial movement: $\pm 1.0 \text{ mm}$

Materials

- Seal face: Carbon graphite resin impregnated (B), Silicon carbide (Q1, Q2)
- Seat: Aluminium oxide (V), Silicon carbide (Q1, Q2)
- Elastomer: NBR (P)
- Metal parts: CrNi steel (F)

Features

- Dual seal
- Good chemical resistance and ability to handle solids
- In-house manufactured sliding parts

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Recommended applications

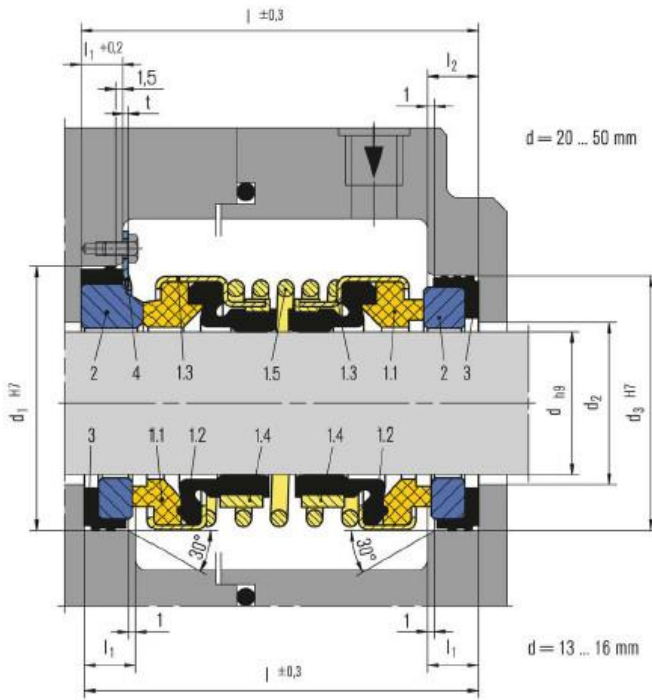
- Water and waste water technology
- Chemical industry
- Process industry
- Water and waste water
- Glycols
- Oils
- Industrial pumps/equipment
- Submersible pumps
- Engine pumps

Advantages

The ED560 is a dual seal in a back-to-back arrangement with an EA560 base. Therefore, the seal combines the advantages of the HBA560 with the advantages of a dual seal.

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Item	Description
1.1	Seal face
1.2	Bellows
1.3	Spring collar
1.4	Drive collar
1.5	Spring
2	Seat
3	Corner sleeve
4	Washer

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Dimension Table in millimeter

d	d ₁	d ₂	d ₃	d ₄	d ₅	l	l ₁	l ₂	l ₃
13	25	17	25	–	–	36	5	–	–
14	30	20	30	–	–	36	5	–	–
15	30	20	30	–	–	36	5	–	–
16	30	20	30	–	–	36	5	–	–
20	44	23	38	60	72	49	7	7	1.0
25	50	28	44	60	72	51	7	7	1.0
30	57	33	50	70	82	59	9	8	1.0
35	64	38	58	80	94	61	9	9	1.2
40	70	43	64	85	100	64.5	11	9	1.2
45	70	48	66	90	105	65	10	9	1.0
50	80	53	72	95	109	69.5	10	9	1.2

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