

HBrinker Mechanical Seal

Elastomer Bellows Mechanical Seal HBX05



Mechanical Seal HBX05

Operating range

- Shaft diameter: $d_1 = \dots 65 \text{ mm}$ (2.56")
- Pressure: $p_1 = 0.3 \text{ bar}$ (4.35 PSI)
- Temperature: $t = -20 \text{ }^\circ\text{C} \dots 100 \text{ }^\circ\text{C}$ (-4 °F ... 212 °F)
- Sliding velocity: $v_g = 10 \text{ m/s}$ (33 ft/s)

Materials

- Seal face: Carbon graphite resin impregnated (B)
- Secondary seals: NBR (P)
- Springs: CrNi steel (F)
- Metal parts: CrNi steel (F)

Features

- Unbalanced
- Independent on direction of rotation
- v

Advantages

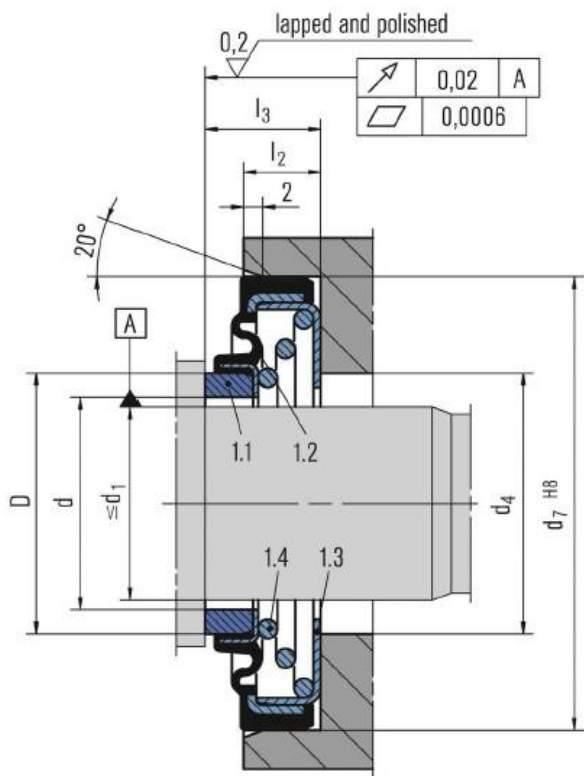
- Stationary springs
- Low space requirements
- Frictionally torque transmission
- Springs protected from the product
- Simple mounting

Recommended applications

- Process industry
- Oil and gas industry
- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Power plant technology
- Pulp and paper industry
- Water and waste water technology
- Mining industry
- Building services industry
- Food and beverage industry
- Shipbuilding
- Sugar industry
- Metal production and processing

HBrinker Mechanical Seal

Elastomer Bellows Mechanical Seal HBX05



Item	Description
1	Seal unit
1.1	Seal ring
1.2	Bellows
1.3	Profiled sheet
1.4	Spring

HBrinker Mechanical Seal

Elastomer Bellows Mechanical Seal HBX05



Dimension Table in millimeter

d1	Type	d	D	L3	d7	d4	L2
20	AX05-022	22	27	18	42	28	12
25	AX05-027	27	32	12	52	32	8
30	AX05-032	32	37	12	57	37	8
35	AX05-037	37	42	12	62	42	8
40	AX05-042	42	47.5	12	68	47	10
45	AX05-047	47	53	13	75	52	10
50	AX05-052	52	58	13	80	57	10
55	AX05-057	57	65	14	90	62	12
65	AX05-067	67	75	16	100	72	10

v