

# HBrinker Mechanical Seal

Compressor seal

Mechanical Seal HBSE



**H-Brinker**

www.HBrinker.com



## Mechanical Seal HBSE

### Operating range

Shaft diameter: 27.2 ... 323.2 mm (1.07" ... 12.72")

Design pressure (mechanical integrity):  $p = 0 \dots 70$  bar (0 ... 1000 PSI)

Normal operating pressure:  $p = 2.7$  bar (39.16 PSI)

Temperature:  $t = -20 \text{ }^\circ\text{C} \dots +200 \text{ }^\circ\text{C}$  (-4 °F ... +392 °F)

Sliding velocity:  $v_g = 0 \dots 150$  m/s (0 ... 492 ft/s)

Dew point: No limitation

### Features

- Gas-lubricated
- Bi-directional
- Ready-to-fit cartridge unit
- Self cleaning 3D gas grooves
- Aerostatic and aerodynamic lift-off

### Materials

- Seal face: Carbon graphite impregnated
- Secondary seals: FKM
- Shaft sleeve: Stainless steel, TC-coated
- Metal parts: 1.4006 or other stainless steels

### Advantages

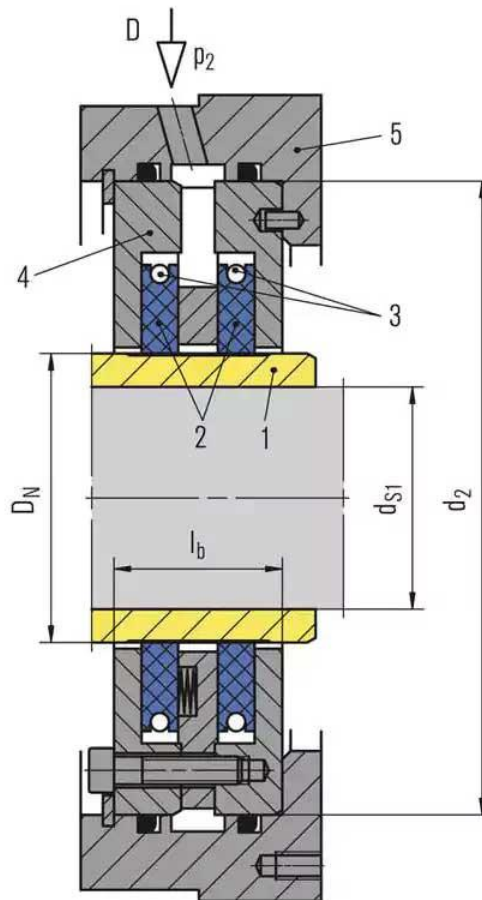
- Non-contacting bushing seal
- Gas-lubricated
- Bi-directional
- Ready-to-fit cartridge unit
- Equipped with Espey carbon rings type WKA400

### Recommended applications

- Oil and gas industry
- Refining technology
- Petrochemical industry
- Nitrogen
- Air
- Centrifugal compressors
- Turbo expanders
- Screw compressors
- Blowers

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Item	Description
1	Shaft sleeve
2	Segmented carbon ring
3	Garter spring
4	Housing of the standardized sub-cartridge
5	Housing (size matched to installation space)
D	Separation gas