



Materials

- Seal faces: Carbon graphite
- Seats: Silicon carbide, FDA conform
- Secondary seals and metallic parts acc. to application and customers' requirement

Mechanical Seal HBSH-L

Operating range

Shaft diameter: $d_1 = \dots 500 \text{ mm} (\dots 19.69")$

Pressure: $p_1 = \text{vacuum} \dots 60 \text{ bar (870 PSI)}$

Temperature: $t_1 = -40 \text{ }^{\circ}\text{C} \dots +200 \text{ }^{\circ}\text{C} (-40 \text{ }^{\circ}\text{F} \dots +392 \text{ }^{\circ}\text{F})$

Sliding velocity: $v_g = 0 \dots 5 \text{ m/s (0 \dots 16 ft/s)}$

Features

- For bottom entry drives
- Double seal
- Balanced
- Independent of direction of rotation
- Multiple springs rotating
- Liquid-lubricated
- Cartridge unit

Advantages

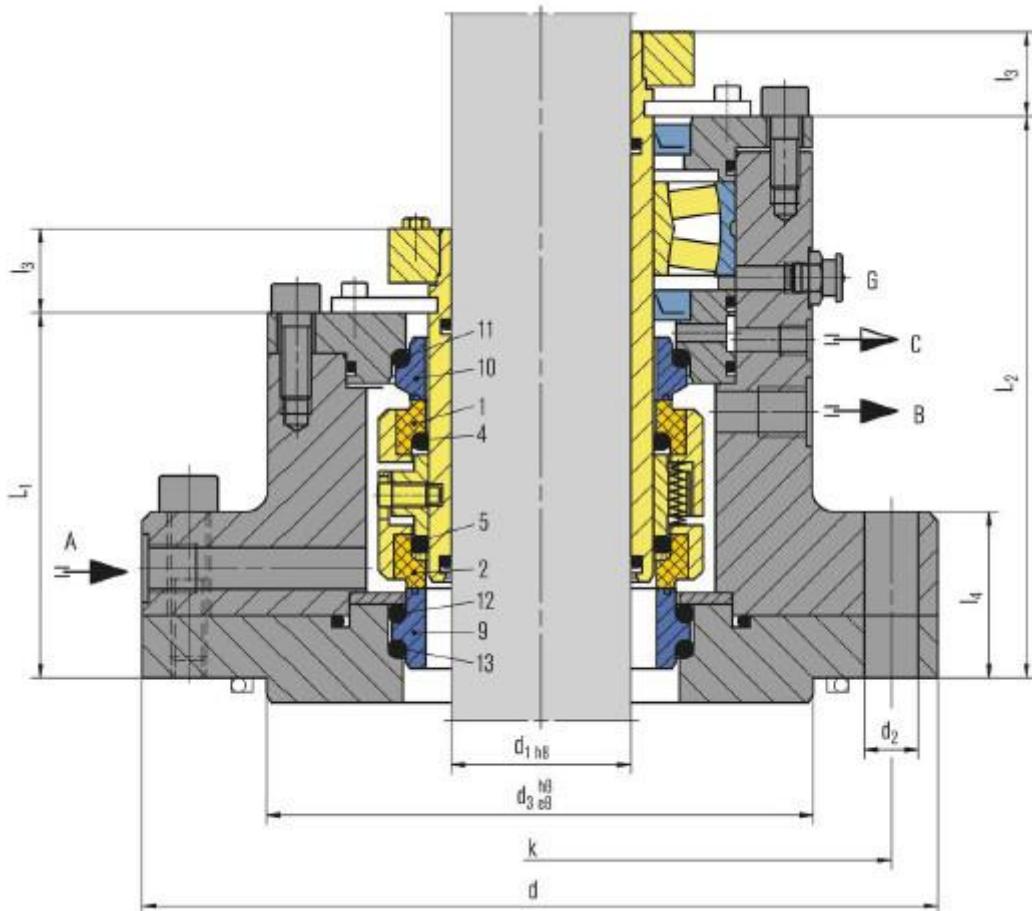
- Ready-to-fit and factory-tested unit
- With or without bearing available
- Patented hydrodynamic grooves
- High pressure seal for customer-specific solutions
- Floating throttle on product side for protection of the seal or for flush
- Connection dimensions to customers' requirements
- Self-closing on product side
- ATEX certification on request

Recommended applications

- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Agitators
- Reactors
- Dryers
- Mixers
- Filters
- Special rotating equipment with bottom entry drive

HBrinker Mechanical Seal

Agitator seal Mechanical Seal HBSh-L



Item	Description
1	Seal face, atmosphere side
2	Seal face, product side
4,5,13,14	O-Ring
11	Seat, product side
12	Seat, atmosphere side
30	Throttle ring