EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

Espey Magna500+
the large seal for diameters from 500 mm

Carbon Floating Ring Seals | Shaft seals

Features

- Split housing design
- Segmented and self-adjusting seal rings
- Virtually maintenance- and wearfree
- Dry-running
- Suitable for horizontal and vertical use

Advantages

- Easy Dis-/Assembly due to split housing design
- Robust design
- Reduced leakage
- Reduced energy cost
- Reduced whistling noises
- Insensitive to aggressive media

Operating range

Shaft diameter: d = up to 4,000 mm (137.79 “)
Pressure: p = Vacuum ... 3 bar (15 PSI) abs.
Design-Temperature: t = up to 500 °C (932 °F), with inert gas 800 °C+ (1,472 °F+)
Sliding velocity: vg = up to 40 m/s (131 ft/s), depending on seal diameter
Radial movement: up to 50 mm (1.97 “)
Axial movement: theoretically unlimited

Project specific special designs possible.

Materials

Seal ring: Carbon, Inconel
Housing: 1.4571, 1.4878, 1.4832
Tension spring / detent: 1.4571

Other materials on request.
Dimensions on request.

Standards and approvals

- FDA
- ATEX

Recommended applications

- Dry and wet grinding
- Pyrolysis
- Biomass combustion
- Crystalizing
- Rotary kiln
- Mill
- Reactor
- Mixer, blender, dryer
- ...

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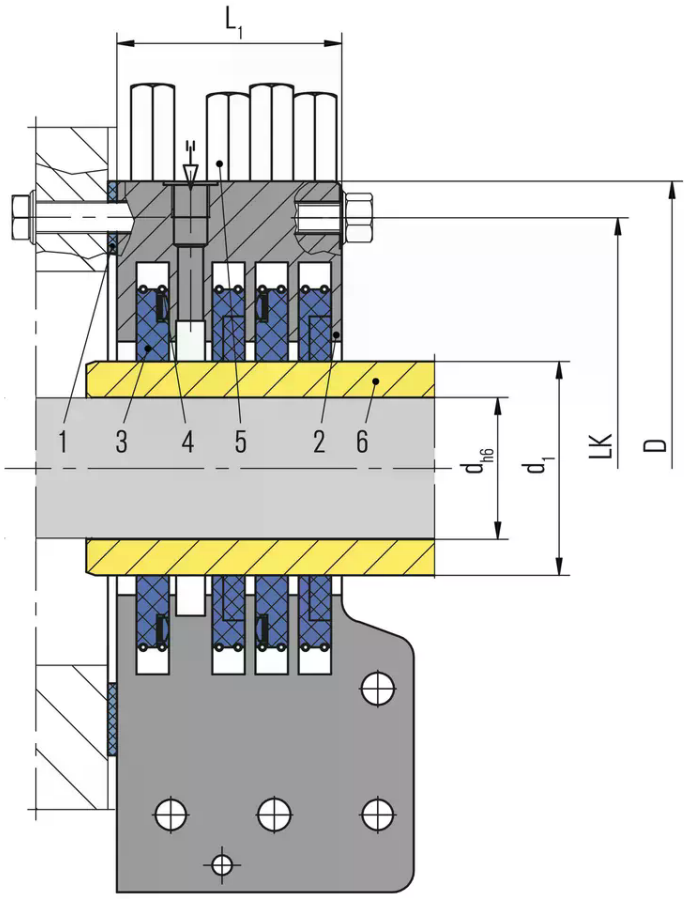
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.



Item	Description
1	Flat seal
2	Split housing design
3	Seal ring
4	Tension spring
5	Detent
6	Shaft sleeve

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