

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.

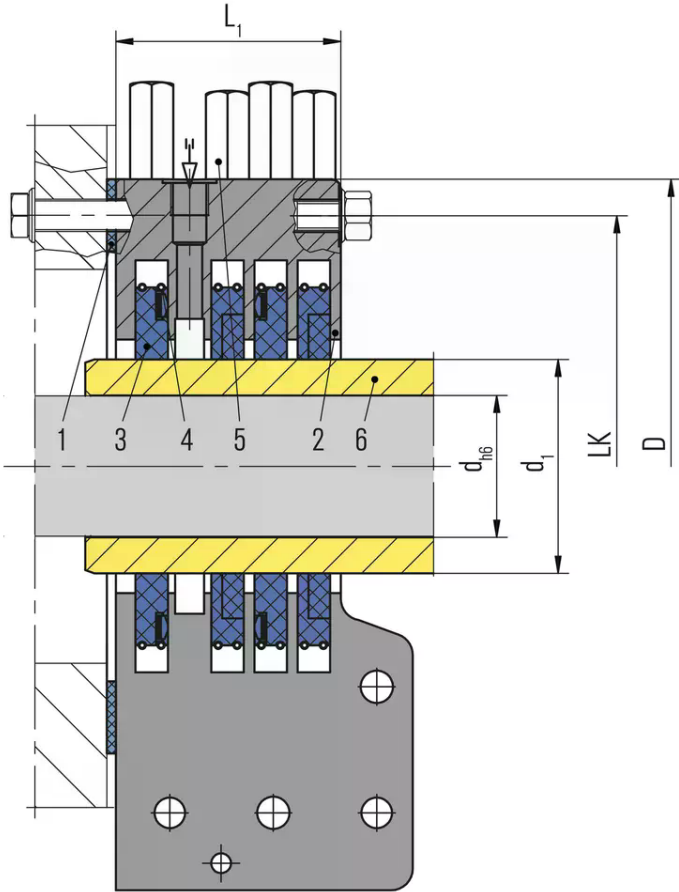
Standards and approvals

- FDA
- ATEX

Recommended applications

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

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