EagleBurgmann
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RELY ON EXCELLENCE

# AX05

## Mechanical Seals | Mechanical seals for pumps | Elastomer bellows seals

### Features

- Unbalanced
- Independent on direction of rotation

### Advantages

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

### Operating range

Shaft diameter: d1 = ... 65 mm (2.56")
Pressure: p1 = 0.3 bar (4.35 PSI)
Temperature:
t = -20 °C ... 100 °C (-4 °F ... 212 °F)
Sliding velocity: vg = 10 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)

### 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

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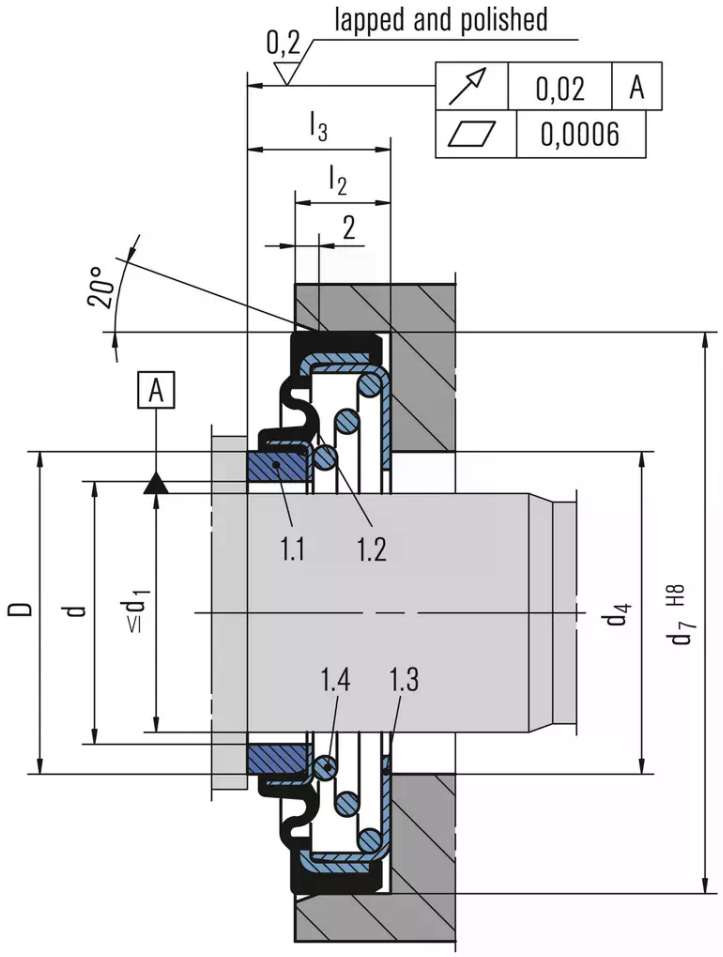
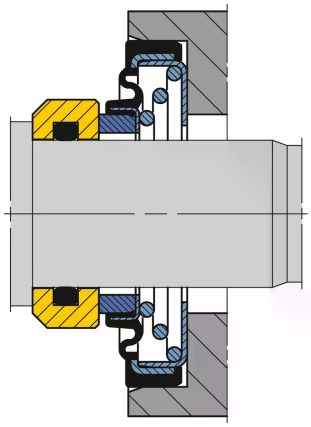
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case.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




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

## Installation, details, options



Mating ring variant with O-Ring.

## Dimensions

| 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 |

Dimensions in millimeter



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