EagleBurgmann®
Rely on excellence

EA100

Features

- Single seal
- In-house manufactured carbon seal faces
- Three different impeller connections available

Advantages

The EA100 is the specialist for low duty applications and one of our historic and bestselling seals in this sector. The seal is easy to handle and quick to install. An incorporated garter spring assures a good grip of the bellows on the shaft and enhances satisfactory sealing performance. With the ability of the bellows to stretch and tighten, the EA100 is insensitive to shaft movements.
The seal design is available in 3 types, each with a different impeller connection: o EA102 is with a collar. EA103 is without a collar. EA104 provides a different coil spring installation. More information on EA103 and EA104 is available on request.

Operating range

Shaft diameter:
d1 = 8 … 20 mm (0.32" ... 0.78")
Pressure:
p1 = 5 bar (73 PSI), vacuum up to 0.1 bar (1.45 PSI)
Temperature:
t = -20 °C … +100 °C (-4 °F… +212 °F)
Sliding velocity: vg = 5 m/s (16 ft/s)
Axial movement: ±2.0 mm

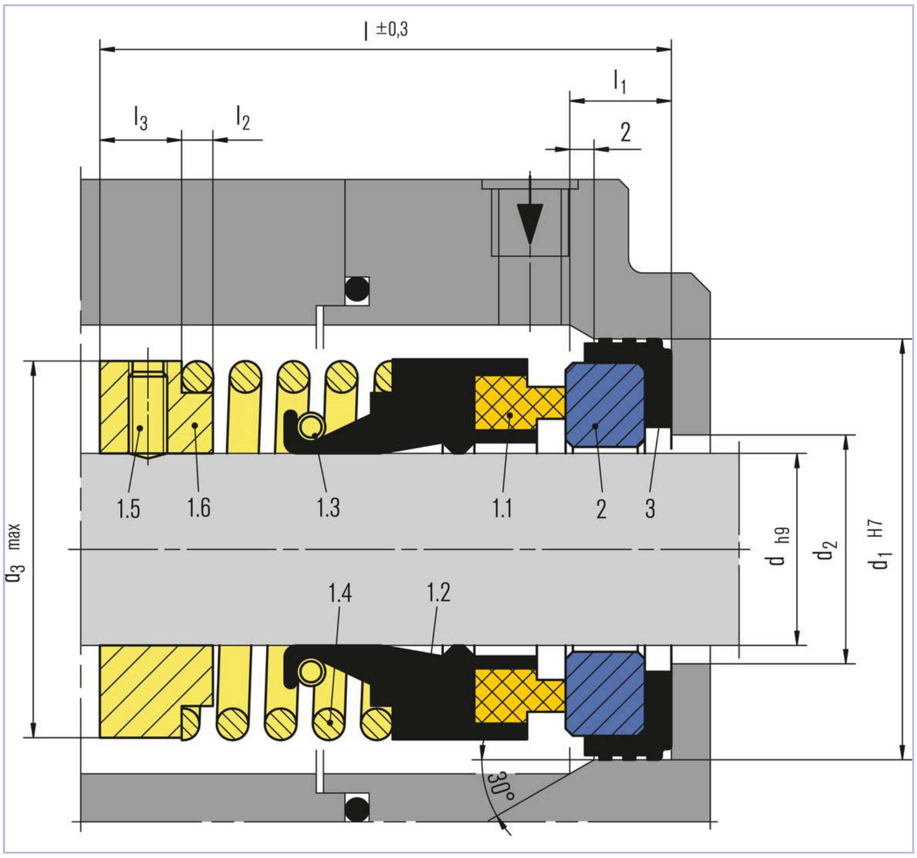
Materials

Seal face: Carbon graphite resin impregnated (B)
Seat: Aluminium oxide (V)
Elastomer: NBR (P)
Metal parts: CrNi steel (F)

Recommended applications

- Water and waste water technology
- Drinking water
- Hot water circulation pumps
- Industrial pumps/equipment
- Domestic pumps
- Low duty water pumps
- Pumps for water & under floor
- Heating systems
- Pumps for solar systems

All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means 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. This is subject to change.



Item	Description
1.1	Seal face
1.2	Bellows
1.3	Garter spring
1.4	Spring
1.5	Set screw
1.6	Collar
2	Seat
3	Corner sleeve

Product variants

EA102
As EA100 but with a collar.

EA103
As EA100 but without a collar. Please inquire.

EA104
As EA100 but with different coil spring installations. Please inquire.

Dimensions

d	d_1	d_2	d_3	l	l_1	l_2	l_3
8	21	13	18.5	26	7	2	8
9	24	16	22.5	31	7	2	8
10	24	16	22.5	31	7	2	8
11	24	16	22.5	31	7	2	8
12	26	17	24.5	32	7	2	8
13	26	17	24.5	32	7	2	9
14	28	21	28.5	34	7	3	9
15	28	21	28.5	34	7	3	9
16	32	22	30.5	26	8	3	9
17	32	22	30.5	36	8	3	9
18	35	25	33.5	39	8	3	10
19	35	25	33.5	39	8	3	10
20	38	27	35.5	41	8	3	10

Dimensions in Millimeter

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