EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

Dry running seals
DR1, DR2

Mechanical Seals | Agitator seals | Dry running seals

Features

- Rotating multi-spring pusher seal
- Balanced
- Uniform seal face loading
- Special carbon material with dry running capability
- Single-outside mounted arrangement (DR1)
- Single and back-to-back arrangement (DR2)

Advantages

- No product contamination, as seal is not in direct contact with process liquid
- Very cost effective since no lubricating or cooling system is required
- Ease of installation and maintenance

Operating range

Shaft diameter: d = 25 ... 115 mm (1" ... 4.527")
Pressure: p = ... 13.7 bar (... 199 PSI)
Temperature:
t = -75 °C ... +120 °C (-103 °F ... +248 °F)
Sliding velocity: vg = 1 m/s (3.3 ft/s)

(Consult EB for applications outside above limits).

Materials

Seal ring: Carbon graphite resin impregnated, Carbon graphite antimony impregnated
Mating ring: Silicon carbide
Secondary seals: FKM, FFKM, EPR
Springs: Hastelloy® C-4
Metal parts: SS 316, other materials on request.

Recommended applications

- Process industry
- Oil and gas industry
- Refining technology
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Power plant technology
- Water and waste water technology
- Food and beverage industry
- Agitators
- Mixers
- Reaction vessels
- Blowers
- Fans

Recommended piping plans

API Plans 02, 72 (Nitrogen purging)

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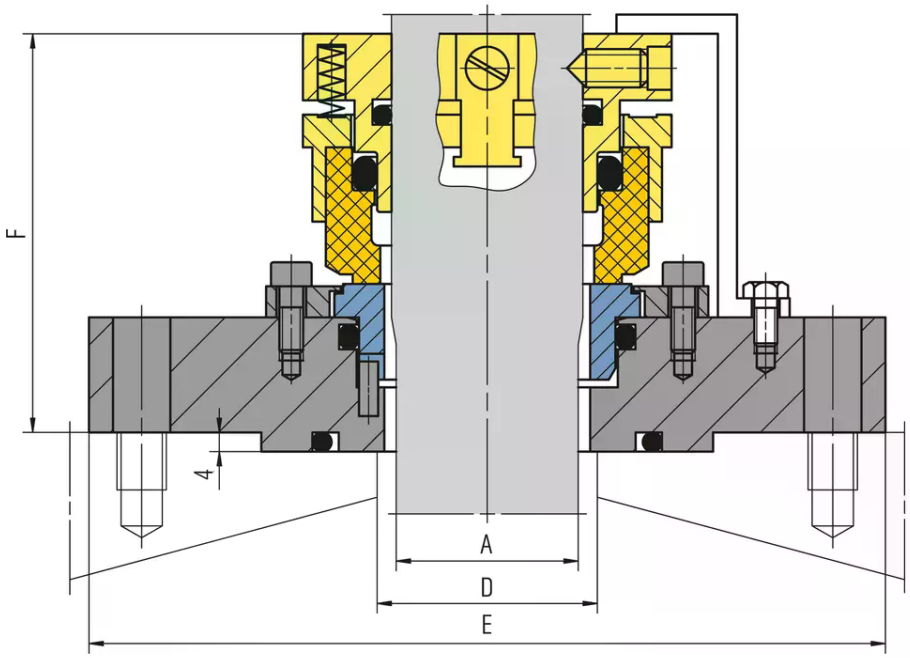
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case.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



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Dimensions

Dash size	A	D	E	F
D016	25.40	65.0	130.0	70.0
D020	31.75	80.0	150.0	75.0
D022	34.93	80.0	150.0	75.0
D026	41.27	90.0	160.0	75.0
D028	44.45	90.0	160.0	75.0
D032	50.80	100.0	170.0	75.0
D034	53.97	100.0	170.0	75.0
D038	60.32	110.0	190.0	75.0
D042	66.67	110.0	190.0	80.0
D044	69.85	140.0	210.0	80.0
D048	76.20	140.0	210.0	80.0
D050	79.37	150.0	230.0	80.0
D054	85.72	150.0	230.0	80.0
D056	88.90	160.0	260.0	80.0
D060	95.25	160.0	260.0	80.0
D064	100.60	170.0	280.0	80.0
D066	104.77	170.0	280.0	90.0
D070	111.12	180.0	290.0	90.0
D072	114.30	180.0	290.0	90.0

Imperial size

Seal size	A	D	E	F
0025	25.0	65.0	130.0	70.0
0030	30.0	80.0	150.0	75.0
0035	35.0	80.0	150.0	75.0
0040	40.0	90.0	160.0	75.0
0045	45.0	90.0	160.0	75.0
0050	50.0	100.0	170.0	75.0
0055	55.0	100.0	170.0	75.0
0060	60.0	110.0	190.0	75.0
0065	65.0	110.0	190.0	80.0
0070	70.0	140.0	210.0	80.0
0075	75.0	140.0	210.0	80.0
0080	80.0	150.0	230.0	80.0
0085	85.0	150.0	230.0	80.0
0090	90.0	160.0	260.0	80.0
0095	95.0	160.0	260.0	80.0
0100	100.0	170.0	280.0	80.0
0105	105.0	170.0	280.0	90.0
0110	110.0	180.0	290.0	90.0
0115	115.0	180.0	290.0	90.0

Metric size

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