EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

EM300

Mechanical Seals | Mechanical seals for pumps | Gas-lubricated seals

Features

- Balanced
- Independent of direction of rotation
- Stationary multiple springs
- API682 arrangement 2 containment seal

Advantages

- Dry contact secondary seal
- Prevention of hazardous emissions
- Can be used as a secondary seal of tandem seal in liquid applications

Operating range

Pressure: p = 2 bar (29 PSI) normal operation, max. 60 bar (870 PSI)
Temperature:
t = -20 °C ... +200 °C (-4 °F ... +392 °F)
Sliding velocity: vg = 25 m/s (82 ft/s)

Materials

Seal face: Special carbon
Seat: Silicon carbide (Q1, Q2)
Secondary seals: FKM (V)
Metal parts: CrNiMo steel (G)

Standards and approvals

- API 682 / ISO 21049

Recommended applications

- Chemical industry
- Refining technology

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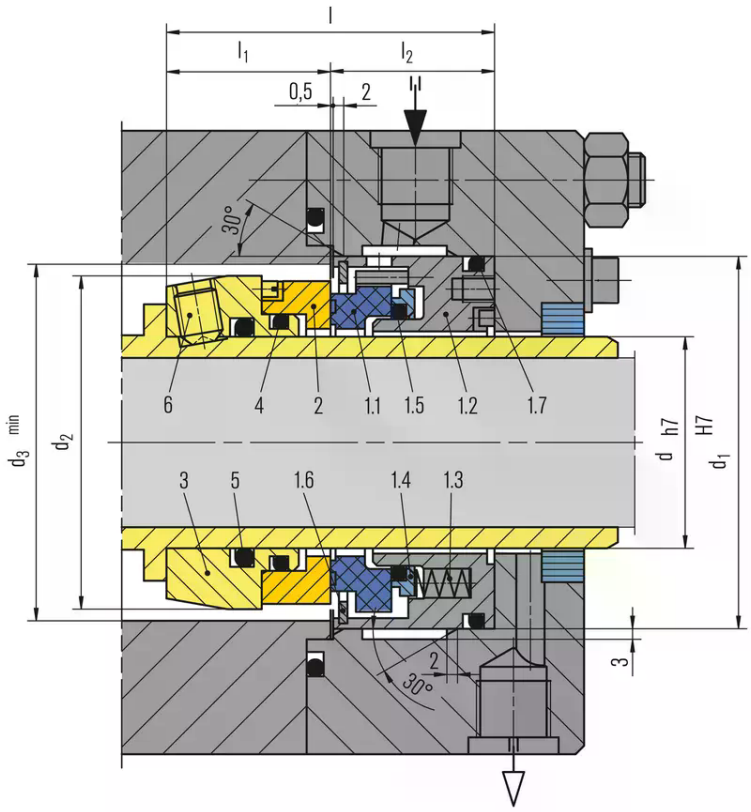
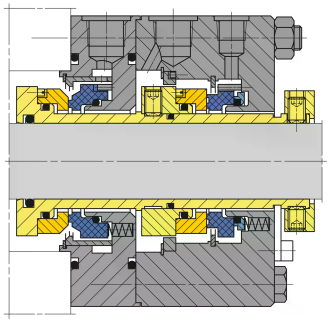
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case.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



Item	Description
1.1	Seal face
1.2	Adapter
1.3	Spring
1.4	Thrust ring
1.5	O-Ring
1.6	Retaining ring
1.7	O-Ring
2	Seat
3	Drive collar
4	O-Ring
5	O-Ring
6	Set screw

Product variants

Configuration example
acc. to API 682 (2CW-CS)



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Dimensions

$d_{max.}$	d_1	d_2	d_3	l	l_1	l_2
20	50	40	46	56	27	29
25	54	46	52	56	27	29
30	60	51	57	56	27	29
35	64	56	62	56	27	29
40	72	63	69	62	31	31
45	76	68	74	62	31	31
50	85	76	82	66	33	33
55	90	82	88	66	33	33
60	100	90	96	66	33	33
65	105	93	99	66	33	33
70	110	99	105	66	33	33
75	115	104	110	66	33	33
80	120	111	117	68	35	33
85	127	117	123	68	35	33
90	132	120	126	68	35	33
95	140	129	135	68	35	33
100	145	132	138	68	35	33

Dimensions in millimeter

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