

HBrinker Mechanical Seal

Gus Lubricated seals Mechanical Seal HBM300



Mechanical Seal HBM300

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: $v_g = 25$ m/s (82 ft/s)

Materials

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

Features

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

Advantages

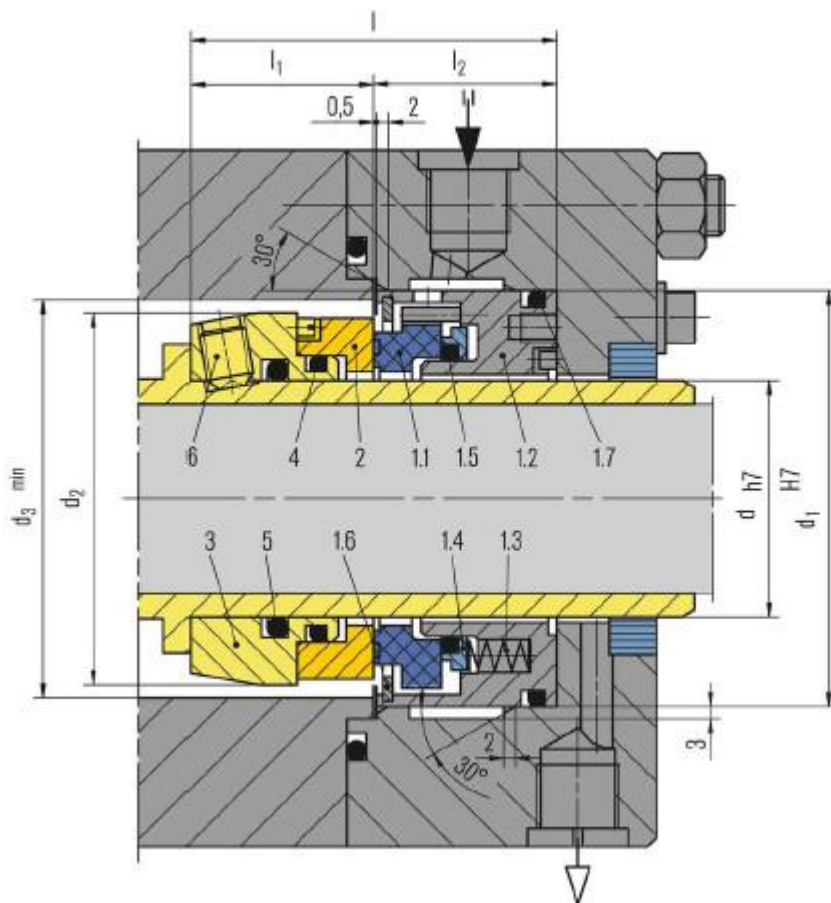
- Dry contact secondary seal
- Prevention of hazardous emissions
- Can be used as a secondary seal of tandem seal in liquid applications

Recommended applications

- Chemical industry
- Refining technology

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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

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Dimension Table in millimeter

$d_{max.}$	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

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