RELY ON EXCELLENCE

EK700

Mechanical Seals | Mechanical seals for pumps | Pusher seals

Features

- Single seal
- Balanced
- Independent of direction of rotation
- Stationary multiple springs

Advantages

- Unitized construction allows easy conversion
- Springs located on the atmospheric side, no clogging
- High precision rotating assembly reduces "swashing" of seal head

Operating range

Pressure: p = ... 35 bar (... 508 PSI)
Temperature: t = 160 °C (320 °F)
Sliding velocity: vg = 30 m/s (98 ft/s)
Viscosity: ... 0.5 Pa·s
Solids content: ... 0.5 %

Materials

Seal face: High density carbon graphite (B)
Seat: Silicon carbide (Q1)
Secondary seals: FKM (V)
Metal parts: 1.4401 (G)

Recommended applications

- Lubrication oil
- Light oil
- Gasoline
- Naphtha
- Water
- Chemical industry
- Refining technology
- Petrochemical industry
- Process pumps

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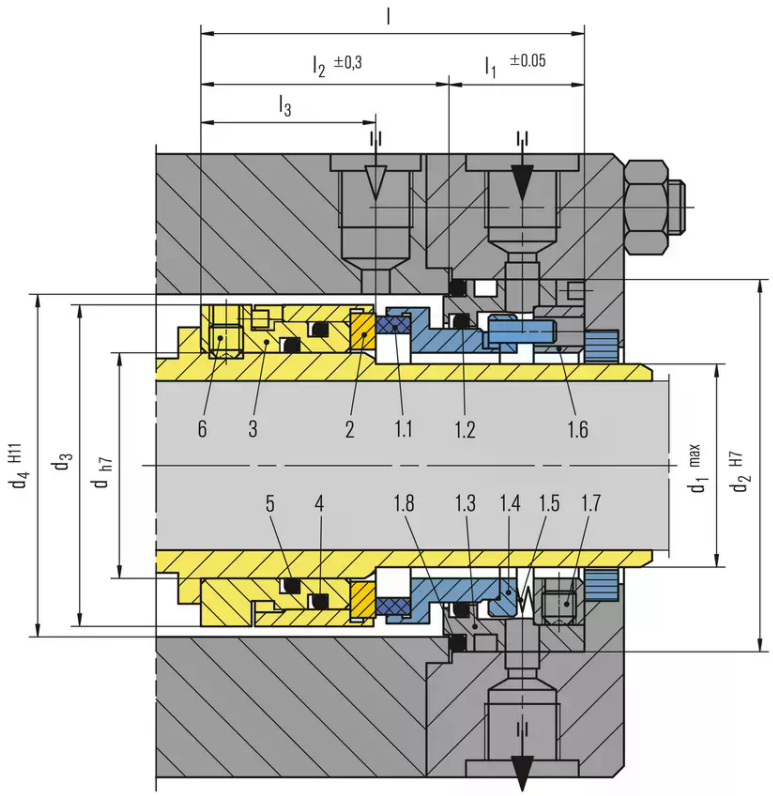
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case.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



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

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Dimensions

d	d_1	d_2	d_3	d_4	l	l_1	l_2	l_3
20	18	42	33	36	63	23	40	30
25	23	47	39	41	65	24	41	30
30	28	53	44	46	66	24	42	30
35	33	58	49	51	66	24	42	30
40	38	66	57	60	68	24	44	31
45	43	71	60	65	68	24	44	31
50	48	76	67	70	68	24	44	31
55	53	81	72	75	69	25	44	31
60	58	91	79	85	72.5	27.5	45	31
65	63	96	86	90	77	29	48	31
70	68	101	92	95	79.5	28.5	51	32
75	73	110	99	104	79.5	28.5	51	32
80	78	115	102	109	79.5	28.5	51	32
85	83	120	108	114	80.5	28.5	52	33
90	88	125	115	119	81.5	29.5	52	33
95	93	130	118	124	81.5	29.5	52	33
100	98	135	124	129	81.5	29.5	52	33
110	110	145	134	139	84.5	29.5	55	36
120	120	160	147	150	91	34	57	38
130	130	170	157	160	96	37	59	40
140	140	185	172	175	98	38	60	40
150	150	200	184	190	100	38	62	42

Dimensions in millimeter

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