EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

H3B

Mechanical seals | Mechanical seals for pumps | Pusher seals

Advantages
Excellent torque transmission due to clutch drive between seal head and drive collar.

Operating range
Pressure: p = 12 bar (174 PSI)
Temperature:
t = -20 °C ... +160 °C (-4 °F ... 320 °F)
Sliding velocity: vg = 20 m/s (66 ft/s)
Viscosity: ... 300 mPa·s
Solids content: ... 7 %

Materials
Seal face and seat: Silicon carbide (Q1), Tungsten carbide (U7)
Secondary seals: FKM (V)
Metal parts: CrNiMo steel (G)

Standards and approvals
- ISO 3096

Recommended applications
- Process industry
- Oil and gas industry
- High viscous media (tar, heavy oils)
- Process pumps

Features
- Single Seal
- Balanced
- Independent of direction of rotation

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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.

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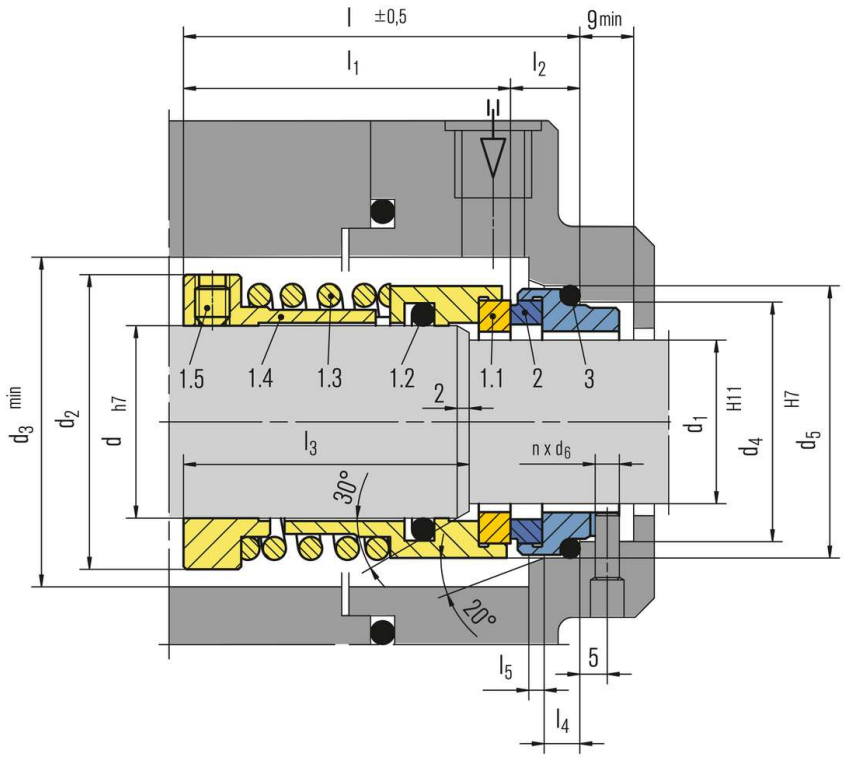

Item	Description
1.1	Seal face
1.2	O-Ring
1.3	Spring
1.4	Drive collar
1.5	Set screw
2	Seat
3	O-Ring

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Dimensions

d	d_1	d_2	d_3	d_4	d_5	d_6	l	l_1	l_2	l_3	l_4	l_5
24	20	38	40	29	35	3	62	49	13	42	5	2
26	22	40	42	31	37	3	62	49	13	42	5	2
28	24	42	44	33	39	3	64	51	13	44	5	2
30	25	44	46	34	40	3	64	51	13	44	5	2
33	28	47	49	37	43	3	64	51	13	44	5	2
35	30	49	51	39	45	3	68	55	13	48	5	2
38	33	54	58	42	48	3	71	58	13	51	5	2
40	35	56	60	44	50	3	73	60	13	53	5	2
43	38	59	63	50	56	4	76	61	15	53	5	2
45	40	61	65	52	58	4	76	61	15	53	5	2
48	43	64	68	55	61	4	76	61	15	53	5	2
50	45	66	70	57	63	4	80	65	15	57	5	2
53	48	69	73	60	66	4	80	65	15	57	5	2
55	50	71	75	62	68	4	82	65	17	57	5	2
58	53	76	83	65	71	4	84	68	16	59	5	2
60	55	78	85	67	73	4	84	68	16	59	5	2
63	58	81	88	70	79	4	84	68	16	59	7	2.5
65	60	84	90	72	81	4	88	72	16	63	7	2.5
68	63	87	93	75	84	4	88	72	16	63	7	2.5
70	65	90	95	77	86	4	89	73	16	64	7	2.5
75	70	95	104	83	92	4	94	75	19	66	7	2.5
80	75	100	109	88	97	4	94	75	19	66	7	2.5
85	80	107	114	96	105	4	100	81	19	72	7	2.5
90	85	112	119	101	110	4	100	82	18	72	7	2.5
95	90	119	124	106	115	4	105	87	18	77	7	2.5
100	95	124	129	111	120	4	105	87	18	77	7	2.5
105	100	129	134	116	125	4	105	87	18	77	7	2.5

Dimensions in millimeter

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