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

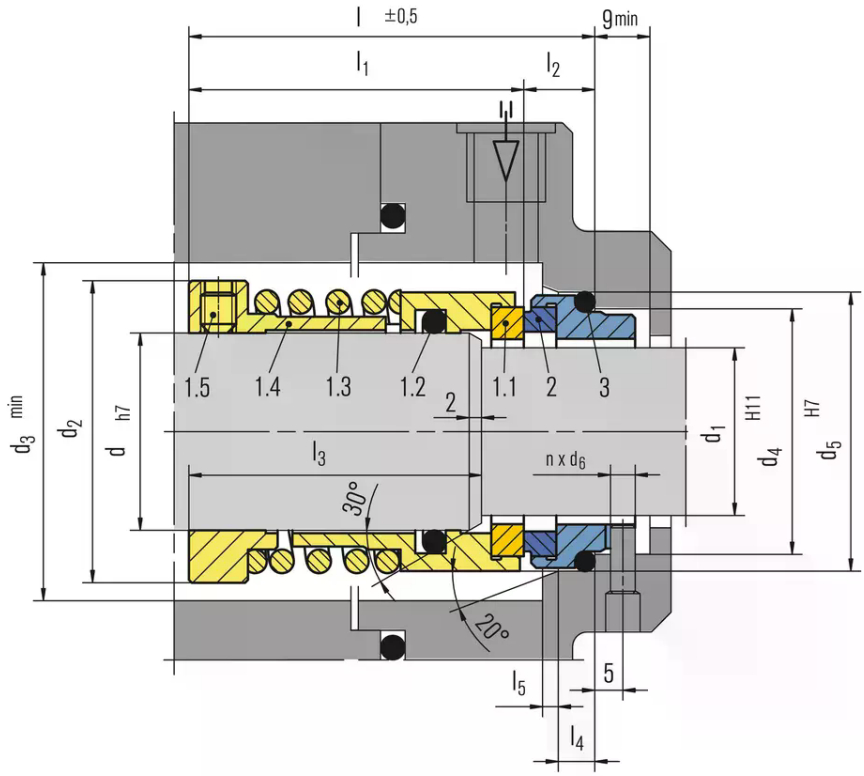
- ISO 3096

Recommended applications

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

Features

- Single Seal
- Balanced
- Independent of direction of rotation



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

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