EagleBurgmann
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RELY ON EXCELLENCE

BT-C8.KU

Mechanical Seals | Mechanical seals for pumps | Pusher seals

Features

- Single seal
- For plain shafts
- Unbalanced
- Super-sinus spring rotating
- Independent of direction of rotation

Notes

Alternative seat ring can be supplied with short tail or long tail with slot for pin (to prevent seat rotation).

Advantages

- Universal application opportunities
- Reliable design
- Insensitive to low solid content
- Torque transmission by set screws

Operating range

Shaft diameter:
d1 = 16 ... 100 mm (0.63" ... 3.94")
Pressure: p1* = 12 bar (16 bar) (174 PSI)
Temperature:
t* = -35 °C ... +180 °C (-31 °F ... +356 °F)
Sliding velocity: vg = 20 m/s (66 ft/s)

* Dependent on medium, size and material

Materials

Seal face:
Silicon carbide (Q1), Al-oxide (V)
Seat:
Carbon graphite antimony impregnated (A), Carbon graphite resin impregnated (B), Silicon carbide (Q1, Q6, Q7)
Elastomers:
NBR (P), EPDM (E), FKM (V), FFKM (K)
Metal parts: CrNiMo steel 1.4401 (G)

Standards and approvals

Various material approvals are available, depending on the type of material combinations, e.g. WRAS, UBA, ACS, NSF, FDA. Please inquire!

- EN 12756

Recommended applications

- Water and wastewater technology
- Building services industry
- Chemical industry
- Process industry
- Food and Beverage industry
- Low solid content media
- Centrifugal pumps
- Multistage pumps
- Cooling water pumps

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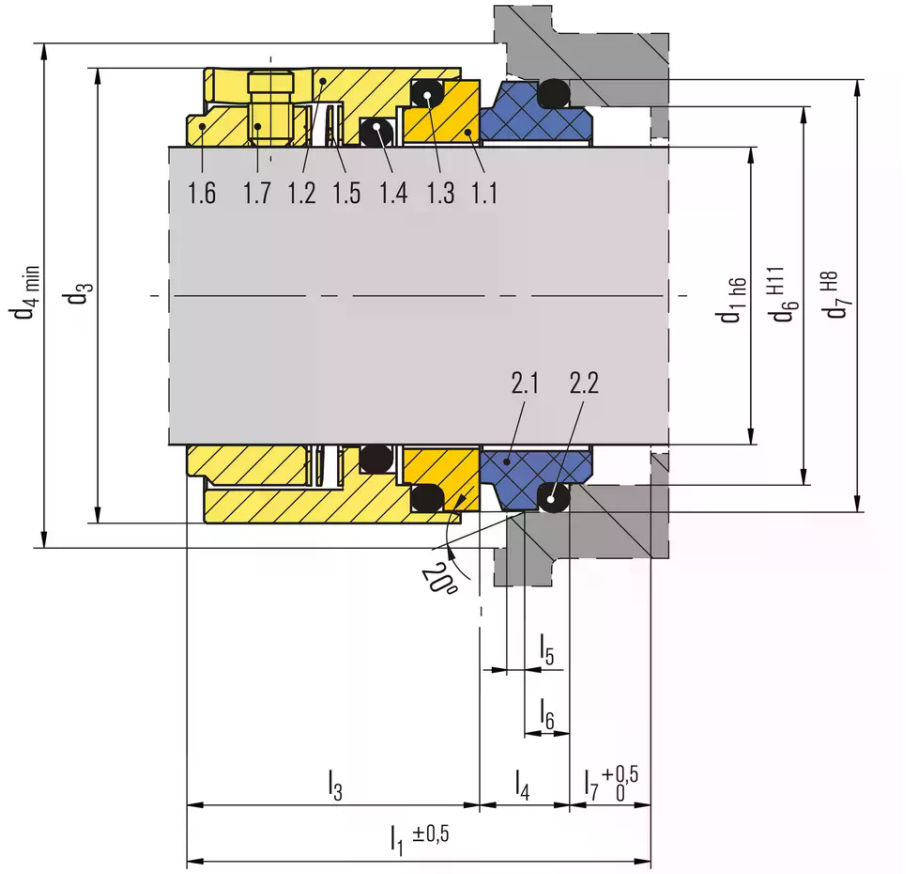
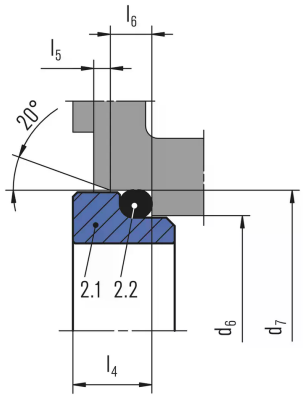


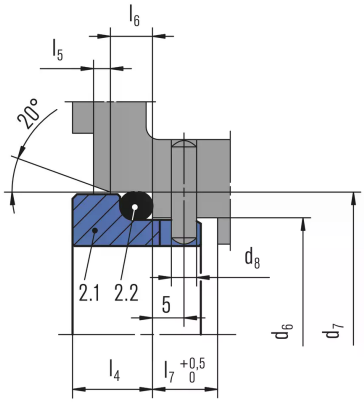
Item	Description
1.1	Seal face
1.2	Collar
1.3	O-Ring
1.4	O-Ring
1.5	Spring
1.6	Driver
1.7	Set screw
2.1	Seat
2.2	O-ring

Seat alternatives



PF L

Item Description
2.1 Stationary seat
2.2 O-Ring



PF L1

Item Description
2.1 Stationary seat
2.2 O-Ring

Dimensions

d_1	d_3	d_4	d_6	d_7	d_8	l_{1KU}	l_3	l_4	l_5	l_6	l_7
12	23	26	19	23	3	32.5	25.5	7	1.5	4	8.5
14	26	28	21	25	3	35.0	28.0	7	1.5	4	8.5
16	30	32	23	27	3	35.0	28.0	7	1.5	4	8.5
18	33	36	27	33	3	37.5	27.5	10	2.0	5	9.0
20	33	37	29	35	3	37.5	27.5	10	2.0	5	9.0
22	38	41	31	37	3	37.5	27.5	10	2.0	5	9.0
24	38	41	33	39	3	40.0	30.0	10	2.0	5	9.0
25	40	43	34	40	3	40.0	30.0	10	2.0	5	9.0
28	46	50	37	43	3	42.5	32.5	10	2.0	5	9.0
30	46	50	39	45	3	42.5	32.5	10	2.0	5	9.0
32	46	50	42	48	3	42.5	32.5	10	2.0	5	9.0
33	52	57	42	48	3	42.5	32.5	10	2.0	5	9.0
35	56	62	44	50	3	42.5	32.5	10	2.0	5	9.0
38	63	67	49	56	4	45.0	32.0	13	2.0	6	9.0
40	63	67	51	58	4	45.0	32.0	13	2.0	6	9.0
43	63	67	54	61	4	45.0	32.0	13	2.0	6	9.0
45	69	73	56	63	4	45.0	32.0	13	2.0	6	9.0
48	69	73	59	66	4	45.0	32.0	13	2.0	6	9.0
50	76	80	62	70	4	47.5	33.5	14	2.5	6	9.0
53	76	80	65	73	4	47.5	33.5	14	2.5	6	9.0
55	76	80	67	75	4	47.5	33.5	14	2.5	6	9.0
58	82	87	70	78	4	52.5	38.5	14	2.5	6	9.0
60	84	90	72	80	4	52.5	38.5	14	2.5	6	9.0
63	86	93	75	83	4	52.5	38.5	14	2.5	6	9.0
65	89	96	77	85	4	52.5	38.5	14	2.5	6	9.0
68	92	99	81	90	4	52.5	36.5	16	2.5	7	9.0
70	95	101	83	92	4	60.0	44.0	16	2.5	7	9.0
75	100	106	88	97	4	60.0	44.0	16	2.5	7	9.0
80	105	111	95	105	4	60.0	42.0	18	3.0	7	9.0
85	115	125	100	110	4	60.0	42.0	18	3.0	7	9.0
90	120	130	105	115	4	65.0	47.0	18	3.0	7	9.0
95	126	137	110	120	4	65.0	47.0	18	3.0	7	9.0
100	130	143	115	125	4	65.0	47.0	18	3.0	7	9.0

d~3~, d~4~ dimensions not always in accordance with EN 12756 l1KU complies with EN 12756 (short length, unbalanced) **BT-C8.KU** - Dimensions in millimeter