EagleBurgmann®
Rely on excellence

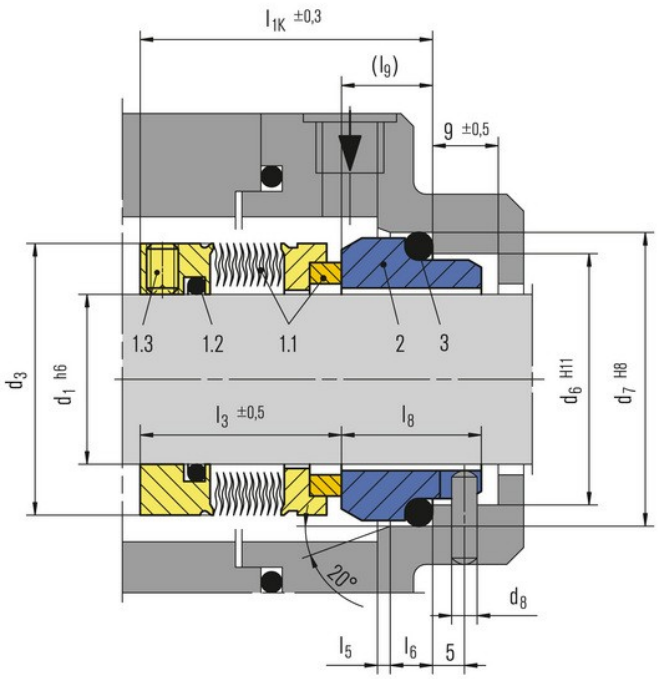
MBS100

Features

- For unstepped shafts
- Rotating bellows
- Single Seal
- Balanced
- Independent of direction of rotation

Advantages

- For extreme temperature ranges
- No dynamically loaded O-Ring
- Self cleaning effect



Item Description

1.1 Seal face with bellows unit
1.2 O-Ring
1.3 Set screw
2 Seat (G9)
3 O-Ring

EagleBurgmann Japan Co., Ltd.
1-12-15, Shiba-Daimon, Minato-Ku
Tokyo, 105-8587
Japan

Tel.: +81 (0)33432 4771
Fax: +81 (0)33438 2370
info@jp.eagleburgmann.com
www.eagleburgmann.jp

MBS100 (2)

Recommended applications

- Process industry
- Refining technology
- Power plant technology
- Chemical industry
- Hot media
- Cold media
- Highly viscous media
- Pumps
- Special rotating equipment

Standards and approvals

- EN 12756

Operating range

Shaft diameter: d1 = 20 … 100 mm (0.75" … 4")
Pressure: p1 = … 25 (16*) bar 363 (232*) PSI
Temperature: t = -40 °C … +220 (160*) °C (-40 °F … 428 (320*)) °F
Sliding velocity: vg = 20 m/s (66 ft/s)
* Operating limits for material combination Q1/Q1

Materials

Seal face: Silicon carbide (Q12), Carbon graphite (A)
Seat: Silicon carbide (Q1)
Bellows: Inconel® 625 (T3)
Secondary seals: FKM (V)
Metal parts: Duplex (G1)

Dimensions

d_1	d_3	d_6	d_7	d_8	l_{1K}	l_3	l_5	l_6	l_8	l_9
20	33.3	29	35	3	37.5	30.5	2.0	5	15.0	7.0
22	36.5	31	37	3	37.5	30.5	2.0	5	15.0	7.0
24	39.0	33	39	3	40.0	28.5	2.0	5	19.5	11.5
25	39.0	34	40	3	40.0	28.5	2.0	5	19.5	11.5
28	42.0	37	43	3	42.5	31.0	2.0	5	19.5	11.5
30	44.0	39	45	3	42.5	31.0	2.0	5	19.5	11.5
32	46.0	42	48	3	42.5	31.0	2.0	5	19.5	11.5
33	47.0	42	48	3	42.5	31.0	2.0	5	19.5	11.5
35	49.2	44	50	3	42.5	31.0	2.0	5	19.5	11.5
38	52.4	49	56	4	45.0	31.0	2.0	6	22.0	14.0
40	55.6	51	58	4	45.0	31.0	2.0	6	22.0	14.0
43	58.7	54	61	4	45.0	31.0	2.0	6	22.0	14.0
45	58.7	56	63	4	45.0	31.0	2.0	6	22.0	14.0
48	61.9	59	66	4	45.0	31.0	2.0	6	22.0	14.0
50	65.1	62	70	4	47.5	32.5	2.5	6	23.0	15.0
53	68.3	65	73	4	47.5	32.5	2.5	6	23.0	15.0
55	69.7	67	75	4	47.5	32.5	2.5	6	23.0	15.0
58	74.6	70	78	4	52.5	37.5	2.5	6	23.0	15.0
60	74.6	72	80	4	52.5	37.5	2.5	6	23.0	15.0
65	84.1	77	85	4	52.5	37.5	2.5	6	23.0	15.0
70	87.3	83	92	4	60.0	42.0	2.5	7	26.0	18.0
75	95.3	88	97	4	60.0	42.0	2.5	7	26.0	18.0
80	98.4	95	105	4	60.0	41.8	3.0	7	26.2	18.2
85	104.8	100	110	4	60.0	41.8	3.0	7	26.2	18.2
90	108.0	105	115	4	65.0	46.8	3.0	7	26.2	18.2
95	114.3	110	120	4	65.0	47.8	3.0	7	25.2	17.2
100	120.7	115	125	4	65.0	47.8	3.0	7	25.2	17.2

Dimensions in millimeter

EagleBurgmann Japan Co., Ltd.
1-12-15, Shiba-Daimon, Minato-Ku
Tokyo, 105-8587
Japan

Tel.: +81 (0)33432 4771
Fax: +81 (0)33438 2370
info@jp.eagleburgmann.com
www.eagleburgmann.jp