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

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)

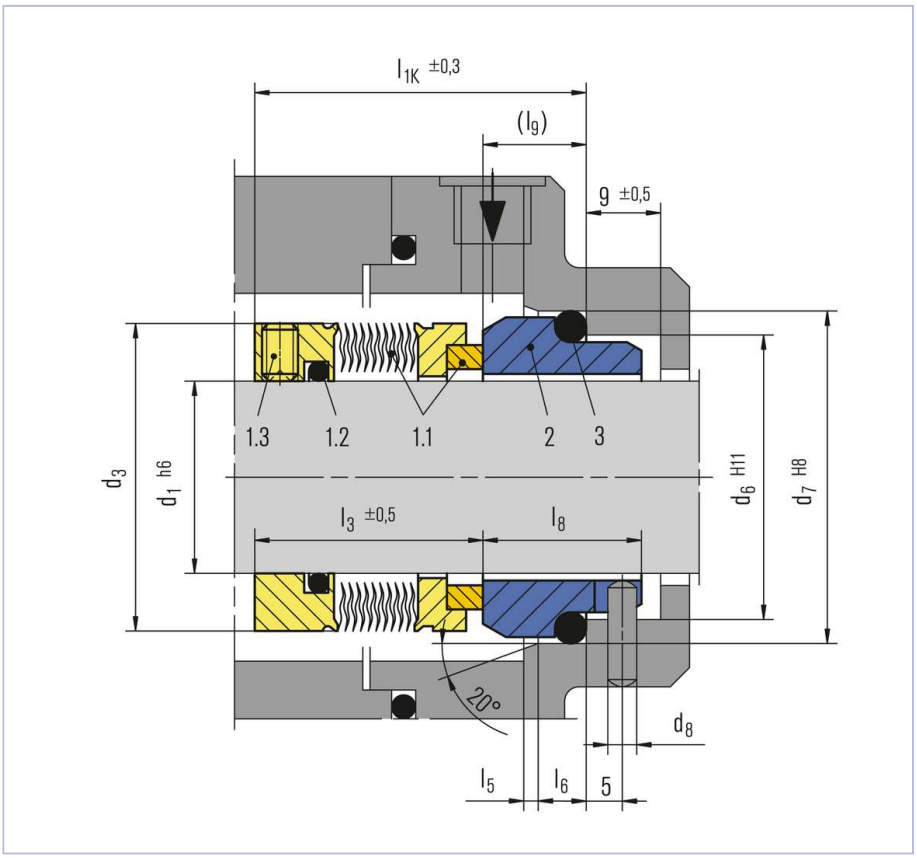
Standards and approvals

- EN 12756

Recommended applications

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

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.



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

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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