EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

MFLWT8

Mechanical Seals | Mechanical seals for pumps | Metal bellows seals

Features

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

Advantages

- For extreme high temperature ranges
- No dynamically loaded O-Ring
- Self cleaning effect
- Short installation length possible
- Pumping screw for highly viscous media available (dependent on direction of rotation).

Operating range

Shaft diameter:
d1 = 16 ... 150 mm (0.63" ... 6")
Externally pressurized:
p1 = ... 25 bar (363 PSI)
Internally pressurized:
p1 <120 °C (248 °F) 10 bar (145 PSI)
p1 <220 °C (428 °F) 5 bar (73 PSI)
p1 <400 °C (752 °F) 3 bar (44 PSI)
Stationary seat lock necessary
Temperature:
t = -40 °C ... +400 °C
(-148 °F ... +752 °F)
Sliding velocity: vg = 20 m/s (66 ft/s)

Materials

Seal face: Carbon graphite antimony impregnated (A), Silicon carbide (Q12)
Seat: Silicon carbide (Q1)
Bellows: Inconel® 718 hardened (M6), Hastelloy® C-276 (M5)
Metal parts: CrNiMo steel (G), Duplex (G1), Carpenter® 42 (T4), Hastelloy® C-4 (M)

Recommended applications

- Hot media
- Highly viscous media
- Process industry
- Oil and gas industry
- Refining technology
- Petrochemical industry
- Chemical industry
- Pulp and paper industry
- Pumps
- Special rotating equipment

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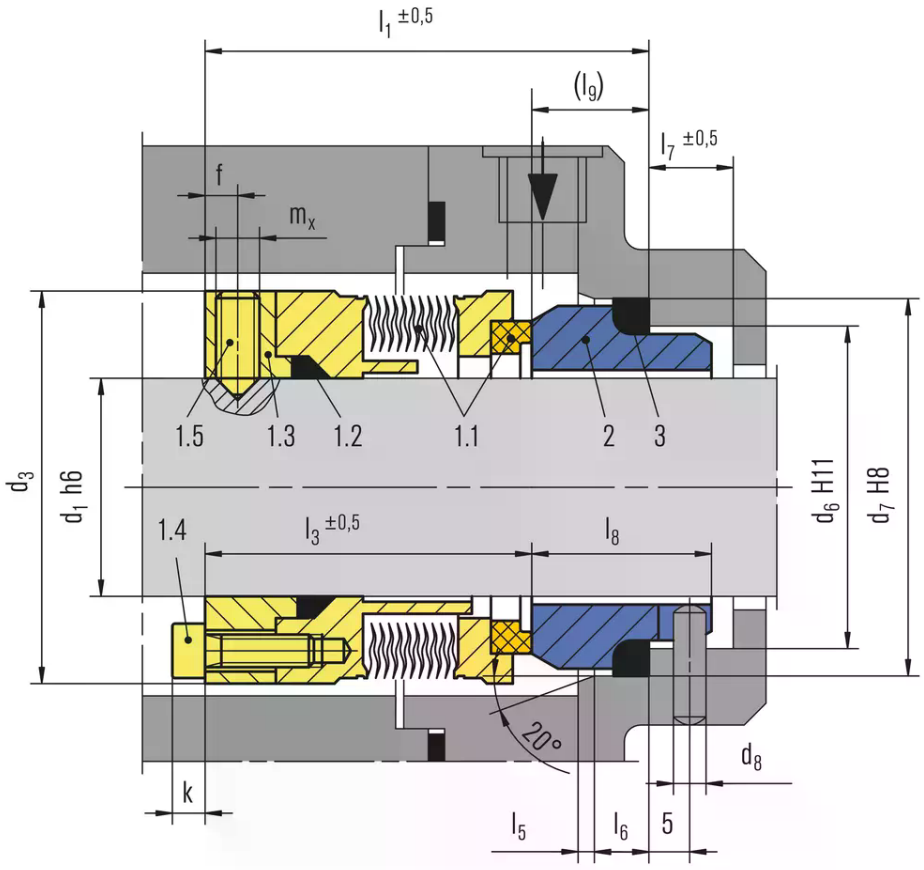
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.



Item	Part no.to DIN 24250	Description
1.1	472/481	Seal facewith bellows unit
1.2	410	Sealing ring
1.3	474	Drive collar
1.4		Socket head screw
1.5	904	Set screw
2	475	Seat
3	412	Sealing ring

Product variants

MFLWT9
Shaft diameter:
d1 = 16 ... 150 mm (0.64" ... 6")
Internally pressurized:
p1 = ... 16 bar (232 PSI)
Externally pressurized:
p1 = 10 bar (145 PSI)
Temperature:
t = -20 °C ... +400 °C
(-4 °F ... +752 °F),
stationary seat lock necessary.
Sliding velocity: vg = 20 m/s (66 ft/s)

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Dimensions

d_1	d_3	d_6	d_7	d_8	l_1	l_3	l_5	l_6	l_7	l_8	l_9	f	k	m_x
16	38	29.0	35.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5	5	M5
18	40	31.0	37.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5	5	M5
20	42	34.0	40.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5	5	M5
22	44	37.0	43.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5	5	M5
24	46	37.0	43.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5	5	M5
25	47	39.0	45.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5	5	M5
28	50	42.0	48.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5	5	M6
30	52	44.0	50.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5	5	M6
32	54	49.0	56.0	4	60.5	46.5	2.0	6	9	22.0	14.0	5	5	M6
33	55	49.0	56.0	4	60.5	46.5	2.0	6	9	22.0	14.0	5	5	M6
35	57	51.0	58.0	4	60.5	46.5	2.0	6	9	22.0	14.0	5	5	M6
38	60	54.0	61.0	4	60.5	46.5	2.0	6	9	22.0	14.0	5	5	M6
40	66	56.0	63.0	4	61.5	47.5	2.0	6	9	22.0	14.0	5	6	M6
43	69	59.0	66.0	4	61.5	47.5	2.0	6	9	22.0	14.0	5	6	M6
45	71	62.0	70.0	4	62.5	47.5	2.5	6	9	23.0	15.0	5	6	M6
48	74	65.0	73.0	4	62.5	47.5	2.5	6	9	23.0	15.0	5	6	M6
50	76	67.0	75.0	4	62.5	47.5	2.5	6	9	23.0	15.0	5	6	M6
53	79	70.0	78.0	4	62.5	47.5	2.5	6	9	23.0	15.0	5	6	M6
55	81	72.0	80.0	4	62.5	47.5	2.5	6	9	23.0	15.0	5	6	M6
58	85	75.0	83.0	4	68.0	53.0	2.5	6	9	23.0	15.0	5	6	M6
60	87	77.0	85.0	4	68.0	53.0	2.5	6	9	23.0	15.0	6	6	M8
63	90	81.0	90.0	4	71.0	53.0	2.5	7	9	26.0	18.0	6	6	M8
65	92	83.0	92.0	4	71.0	53.0	2.5	7	9	26.0	18.0	6	6	M8
68	95	88.0	97.0	4	71.0	53.0	2.5	7	9	26.0	18.0	6	6	M8
70	97	88.0	97.0	4	71.0	53.0	2.5	7	9	26.0	18.0	6	6	M8
75	102	95.0	105.0	4	71.0	52.8	3.0	7	9	26.2	18.2	6	6	M8
80	107	100.0	110.0	4	71.0	52.8	3.0	7	9	26.2	18.2	6	6	M8
85	112	105.0	115.0	4	71.0	52.8	3.0	7	9	26.2	18.2	6	6	M8
90	117	110.0	120.0	4	71.0	53.8	3.0	7	9	25.2	17.2	6	6	M8
95	122	115.0	125.0	4	71.0	53.8	3.0	7	9	25.2	17.2	6	6	M8
100	127	122.2	134.3	5	74.0	54.0	3.0	9	11	30.0	20.0	6	6	M8

Dimensions in millimeter

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