

RELY ON EXCELLENCE

M2N

Mechanical seals | Mechanical seals for pumps | Pusher seals



Features

- For plain shafts
- Single seal
- Unbalanced
- Conical spring rotating
- Dependent on direction of rotation

Advantages

- Economical seal solution
- No damage of the shaft by set screws
- Short installation length possible (G16)

Operating range

Shaft diameter: d1 = 6 ... 38 mm (0.25" ... 1.5")Pressure: p1 = 10 bar (145 PSI) Temperature: t = -20 °C ... 140 °C (-4 °F ... 355 °F)Sliding velocity: vg = 15 m/s (50 ft/s)Axial movement: ±1.0 mm

Materials

Seal face: Carbon graphite resin impregnated (B) Seat G9: Silicon carbide (Q1, Q2), Special cast CrMo steel (S), Aluminium oxide (V)

Standards and approvals

• EN 12756

Recommended applications

- Pulp and paper industry
- Water and waste water technology
- Building services industry
- Water pumps
- Heating circulation pumps

eagleburgmann.com info@eagleburgmann.com

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.



RELY ON EXCELLENCE



Item Part no. to DIN 24250 Description

1.1	472	Seal face
1.2	412.1	0-Ring
1.3	474	Thrust ring
1.4	478	Righthand spring
1.4	479	Lefthand spring
2	475	Seat(G9)
3	412.2	0-Ring

eagleburgmann.com info@eagleburgmann.com

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.



RELY ON EXCELLENCE

Seat alternatives



eagleburgmann.com info@eagleburgmann.com

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.



Product variants

M2

Rotating unit M2 with seat G4 or G16 (shorter installation length). Seal face: Carbon graphite resin impregnated (B) Seat G4: Silicon carbide (Q1), Special cast CrMo steel (S) Seat G16:

M2N4

Seal face:

Seat G6:

Rotating unit M2 with seat G6.

Carbon graphite resin impregnated (B)

Silicon carbide (Q1), Special cast CrMo steel (S)

Silicon carbide (Q1, Q2), Special cast CrMo steel (S), Aluminium oxide (V)

Dimensions

d ₁	d ₃	d ₆	d ₇	d ₈	d ₁₁	d ₁₂	db	db	13 ¹⁾	1 ₅	1 ₆	1 ₇	1 ₈	I ₁₀	I ₁₂	I ₁₄	I ₁₅	I ₁₆	I ₁₈	I ₁₉	I ₂₁ 1)	I ₂₈	b	R
6	15	-	-	-	11.8	16.0	8	-	-	-	-	-	-	-	6.5	5.6	1.2	3.8	-	-	10.9	-	-	1.2
8	18	-	-	-	15.5	19.2	11	-	-	-	-	-	-	-	8.0	7.0	1.2	3.8	-	-	15.5	-	-	1.2
10	20	17	21	3	15.5	19.2	13	40	17.5	1.5	4	8.5	17.5	7.5	7.5	6.6	1.2	3.8	-	-	15.9	6.6	8	1.2
12	22	19	23	3	17.5	21.6	16	40	17.5	1.5	4	8.5	17.5	7.5	8.0	7.0	1.2	3.8	-	-	16.0	6.6	8	1.2
14	25	21	25	3	20.5	24.6	18	40	17.5	1.5	4	8.5	17.5	7.5	8.0	7.0	1.2	3.8	-	-	16.0	6.6	8	1.2
15	27	-	-	-	20.5	24.6	19	-	-	-	-	-	-	-	7.5	6.6	1.2	3.8	-	-	17.4	-	-	1.2
16	27	23	27	3	22.0	28.0	21	40	19.5	1.5	4	8.5	17.5	7.5	8.5	7.5	1.5	5.0	-	-	19.0	6.6	8	1.5
18	30	27	33	3	24.0	30.0	23	45	20.5	2.0	5	9.0	19.5	8.5	9.0	8.0	1.5	5.0	15	7	20.5	7.5	8	1.5
20	32	29	35	3	29.5	35.0	26	45	22.0	2.0	5	9.0	19.5	8.5	8.5	7.5	1.5	5.0	15	7	22.0	7.5	8	1.5
22	35	31	37	3	29.5	35.0	28	45	23.5	2.0	5	9.0	19.5	8.5	8.5	7.5	1.5	5.0	15	7	23.5	7.5	8	1.5
24	38	33	39	3	32.0	38.0	30	50	25.0	2.0	5	9.0	19.5	8.5	8.5	7.5	1.5	5.0	15	7	25.0	7.5	8	1.5
25	40	34	40	3	32.0	38.0	31	50	26.5	2.0	5	9.0	19.5	8.5	8.5	7.5	1.5	5.0	15	7	26.5	7.5	8	1.5
26	41	-	-	-	34.0	40.0	32	-	-	-	-	-	-	-	9.0	8.0	1.5	5.0	-	-	26.5	-	-	1.5
28	43	37	43	3	36.0	42.0	35	50	26.5	2.0	5	9.0	19.5	8.5	10.0	9.0	1.5	5.0	15	7	26.5	7.5	8	1.5
30	47	-	-	-	39.2	45.0	37	-	-	-	-	-	-	-	11.5	10.5	1.5	5.0	15	7	25.0	-	-	1.5
32	48	-	-	-	42.2	48.0	39	-	-	-	-	-	-	-	13.0	10.5	1.5	5.0	15	7	28.5	-	-	1.5
35	53	-	-	-	46.2	52.0	43	-	-	-	-	-	-	-	13.5	11.0	1.5	5.0	15	7	28.5	-	-	1.5
38	56	-	_	_	49.2	55.0	47	-	_	_	-	_	_	_	13.0	10.3	1.5	5.0	16	8	32.0	_	-	1.5

Dimensions in Millimeter

1) I_3 valid for M2N, I_{21} valid for M2

eagleburgmann.com info@eagleburgmann.com

guarantee for a specific case. This is subject to change.