







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: $t = -20 ^{\circ}\text{C} ... 140 ^{\circ}\text{C}$ $(-4 ^{\circ}\text{F} ... 355 ^{\circ}\text{F})$ Sliding velocity: vg = 15 m/s (50 ft/s)Axial movement: $\pm 1.0 \text{ mm}$

Materials

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

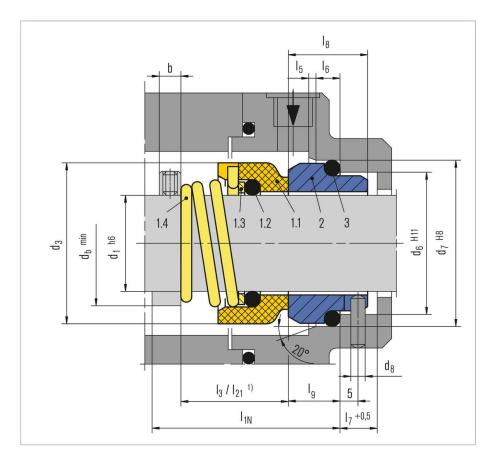
Standards and approvals

EN 12756

Recommended applications

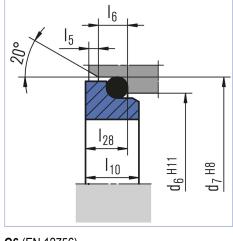
- Pulp and paper industry
- Water and waste water technology
- Building services industry
- Water pumps
- Heating circulation pumps

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.

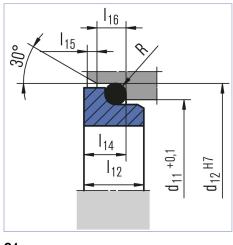


ltem	Part no. to DIN 24250	Description
1.1	472	Seal face
1.2	412.1	O-Ring
1.3	474	Thrust ring
1.4	478	Righthand spring
1.4	479	Lefthand spring
2	475	Seat (G9)
3	412.2	O-Ring

Seat alternatives



G6 (EN 12756)



G16 (EN 12756)

G4

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.

10.05.2019 © EagleBurgmann eagleburgmann.com

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

Dimensions

d₁₂ I₁₆ d₁ d3 d₆ d7 d8 d₁₁ db d_{b} l3¹⁾ I10 I₁₂ I₁₄ I₁₅ I₂₁1) b 15 l6 I7 18 I₁₈ I₁₉ I₂₈ 1.2 6 11.8 16.0 8 6.5 5.6 10.9 1.2 15 _ _ _ _ _ 3.8 _ _ _ _ _ _ _ _ _ 8 15.5 19.2 8.0 7.0 1.2 15.5 1.2 18 11 3.8 _ _ _ _ _ _ _ _ _ _ _ _ _ _ 1.2 10 20 21 15.5 19.2 13 7.5 1.2 3.8 15.9 17 3 40 17.5 1.5 4 8.5 17.5 7.5 6.6 6.6 8 _ 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 _ _

1) I₃ valid for M2N, I₂₁ valid for M2

EagleBurgmann Germany

GmbH & Co. KG

Phone +49 (0) 8171 23 0 Fax +49 (0) 8171 23 1214 info@eagleburgmann.com a member of EKK and FREUDENBERG

POB 1240 82502 Wolfratshausen R

Rotating unit M2 with seat G6. Seal face: Carbon graphite resin impregnated (B) Seat G6: Silicon carbide (Q1), Special cast CrMo steel (S)

M2N4

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
Dime	Dimensions in Millimeter																							