

M2N



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

Recommended applications

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

Features

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

Materials

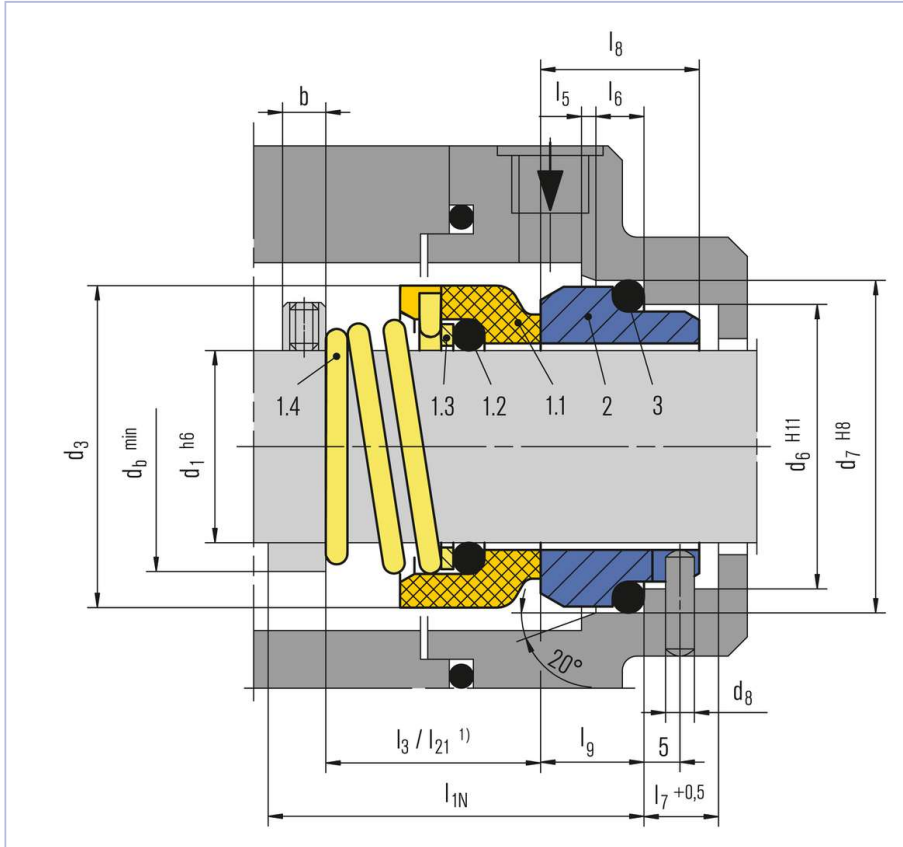
Seal face: Carbon graphite resin impregnated (B)
Seat G9: Silicon carbide (Q1, Q2),
Special cast CrMo steel (S), Aluminium oxide (V)

Standards and approvals

- EN 12756

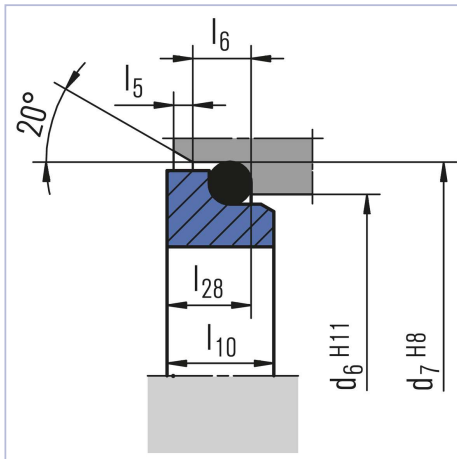
Advantages

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

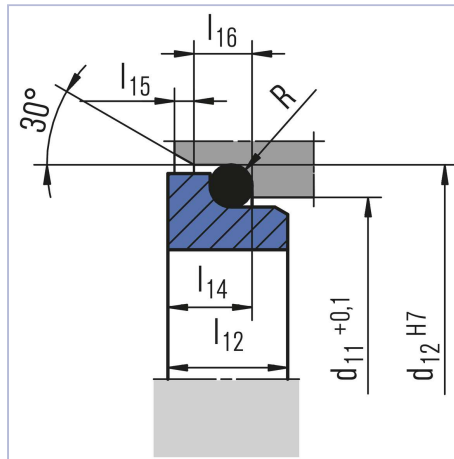


Item	Part no. to DIN 24250	Description
1.1	472	Seal face
1.2	412.1	O-Ring
1.3	474	Thrust ring
1.4	478	Righthand spring
1.4	479	Lefthand spring
2	475	Seat (G9)
3	412.2	O-Ring

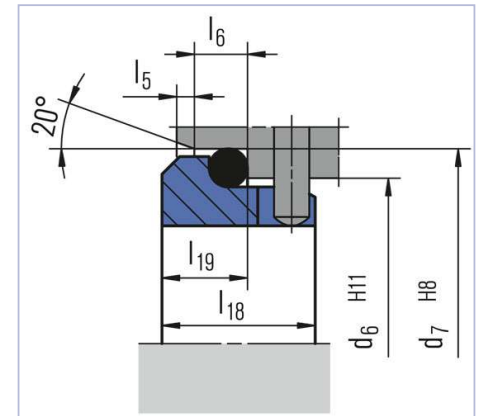
Seat alternatives



G6 (EN 12756)



G4



G16 (EN 12756)

Product variants

M2	M2N4
Rotating unit M2 with seat G4 or G16 (shorter installation length).	Rotating unit M2 with seat G6.
Seal face:	Seal face:
Carbon graphite resin impregnated (B)	Carbon graphite resin impregnated (B)
Seat G4:	Seat G6:
Silicon carbide (Q1), Special cast CrMo steel (S)	Silicon carbide (Q1), Special cast CrMo steel (S)
Seat G16:	
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	d _b	d _b	l ₃ ¹⁾	l ₅	l ₆	l ₇	l ₈	l ₁₀	l ₁₂	l ₁₄	l ₁₅	l ₁₆	l ₁₈	l ₁₉	l ₂₁ ¹⁾	l 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) l₃ valid for M2N, l₂₁ valid for M2