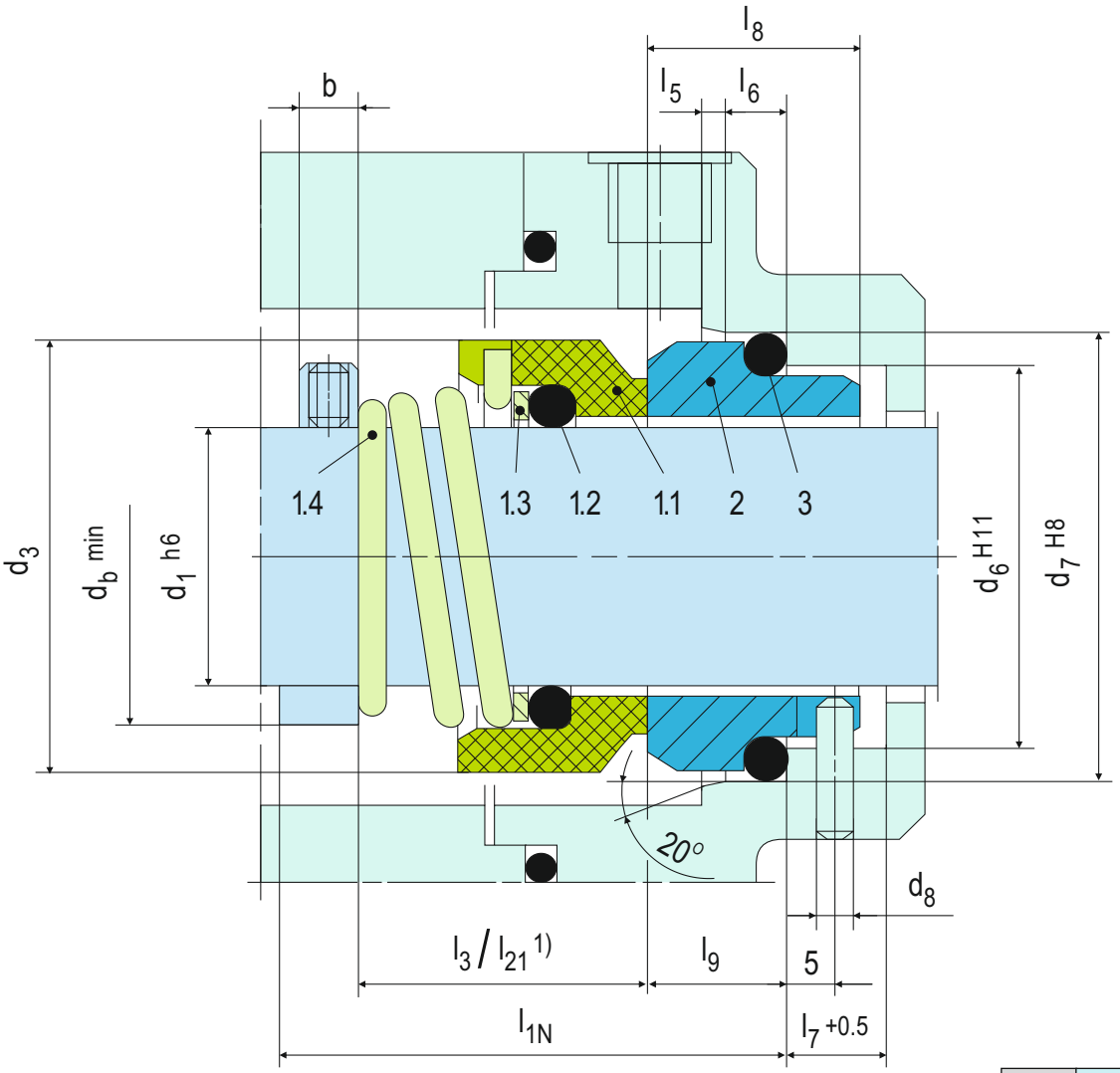
Product Description

1. Single seal configuration
2. Unbalanced Design
3. Dependent of direction of rotation
4. For plain shafts
5. Torque transmission is through the conical spring

Technical Features

1. Low cost seal solution
2. No damage to the shaft
3. Short installation length available on request



Note: The item numbers as depicted above are based on our technical experience and knowledge and are placed in the chronological order of their assembly procedure.

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

Performance Capabilities

Shaft diameter: d_1 = Upto 38 mm (Upto 1.500")
Pressure: p_1 = 10 bar (145 PSI)
Temperature: t = -20 °C ... +140 °C
(-4 °F ... +284 °F)
Speed = 15 m/s (50 ft/s)
Permissible axial movement: ±1.0 mm

Typical Industrial Applications

Chemical industry
Food and beverage industry
Food processing
Pulp and paper industry
Water and waste water technology

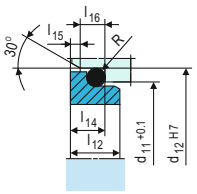
Standards

EN 12756

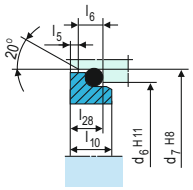
Notes

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

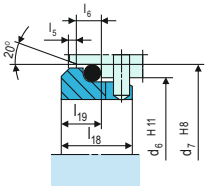
Stationary Seats



G4



G6
(EN 12756)



G16
(EN 12756)

Design Variations

U200

Rotating unit U200 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)

U200N4

Rotating unit U200 with seat G6.
Seal face: Carbon graphite resin impregnated (B)
Seat G6: Silicon carbide (Q1), Special cast CrMo steel (S)

Dimensional Data

Dimensions in millimeter

d_1	d_3	d_6	d_7	d_8	d_{11}	d_{12}	d_b	l_{1N}	l_3 1)	l_5	l_6	l_7	l_8	l_9	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	10.0	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	10.0	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	10.0	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	10.0	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	11.5	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	2.0	5	9.0	19.5	11.5	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	11.5	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	2.0	5	9.0	19.5	11.5	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	11.5	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	11.5	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	-	11.5	10.5	1.5	5.0	15	7	25.0	-	-	1.5
32	48	-	-	-	42.2	48.0	39	-	-	-	-	-	-	11.5	-	13.0	10.5	1.5	5.0	15	7	28.5	-	-	1.5
35	53	-	-	-	46.2	52.0	43	-	-	-	-	-	-	11.5	-	13.5	11.0	1.5	5.0	15	7	28.5	-	-	1.5
38	56	-	-	-	49.2	55.0	47	-	-	-	-	-	-	14.0	-	13.0	10.3	1.5	5.0	16	8	32.0	-	-	1.5

1) l_3 valid for U200N, l_{21} valid for U200
According to EN 12756
inch sizes also available from size 0.250 to 1.500
Note: Additional technical & dimensional information will be provided on request.