

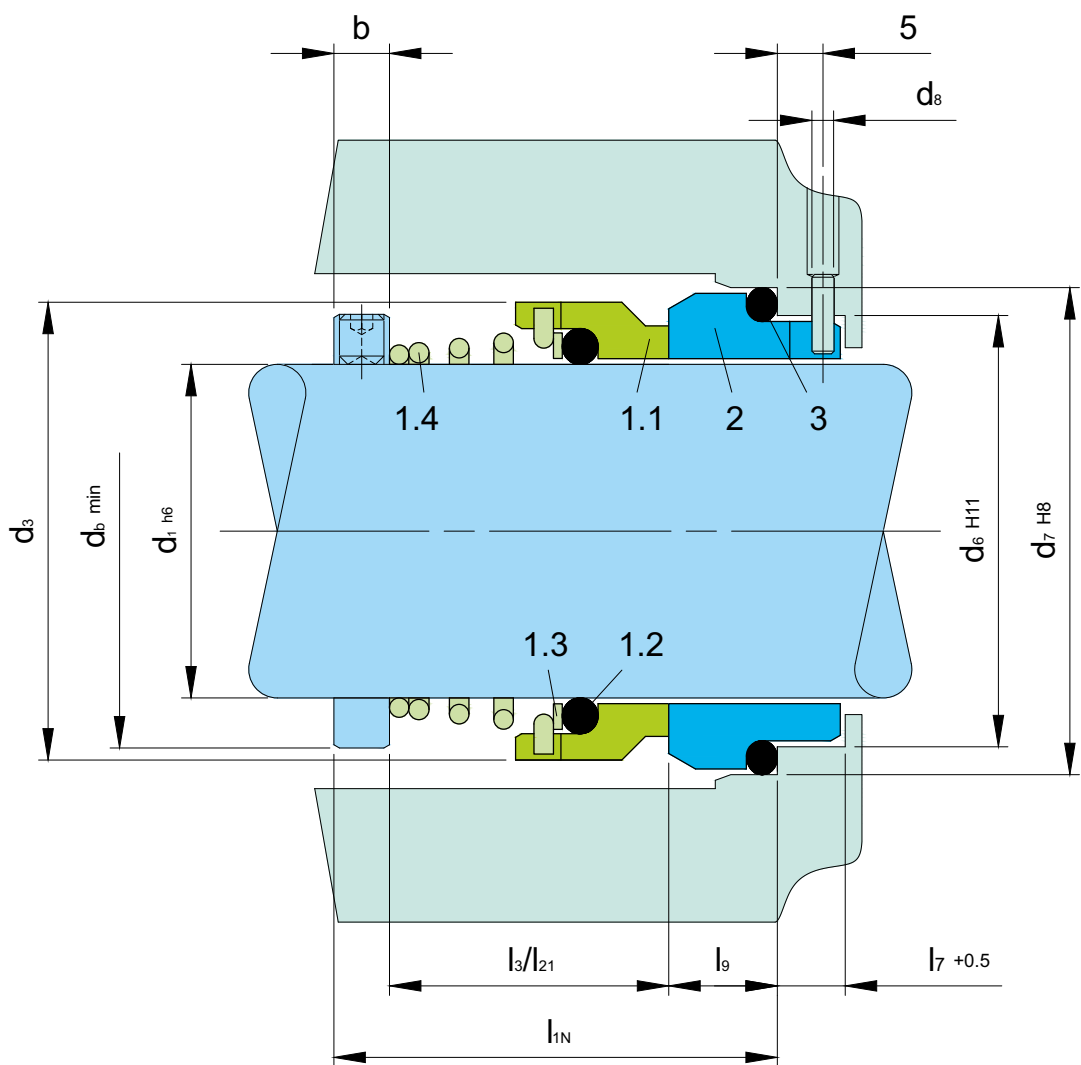


Product Description

- 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



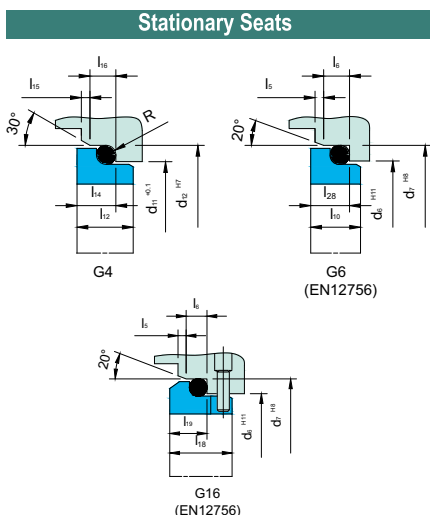
Note: The item numbers as depicted above are based on our technical experience and knowledge and are placed in the chronological order of their assembly procedure.

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		

Typical Industrial Applications	
Acids	Hydrocarbons
Aqueous solutions	Lubricating liquid
Caustics	Marine
Chemicals	Solvents
Crystallizing fluids	Water and waste water
Food and beverage	

Performance Capabilities	
Shaft diameter :	d1 = 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	

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)



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) l₃ valid for U200N, l₂₁ 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.

The specifications, drawings, images etc included in this catalogue are intended to be generic and must be interpreted as equivalent or functionally equivalent, more specifically the performance capabilities mentioned in this catalogue is based on optimum values, however the performance of the product is dependent on size, material of construction, media, pressure, temperature, sliding velocity etc and it shall vary from size to size or application to application. Customers are requested to consult with Sealmatic before employing the product from this catalogue for any application.