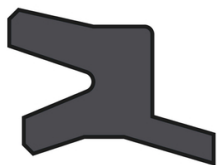


Wiper type 009N NBR



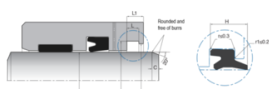
Characteristics

Type: 009N

Groove type: Closed

Principle of operation: Double acting

Maximum speed: 1 m/s



Operating conditions			
Media	Mineral Oils [DIN 51524]	HFA and HFB	HFC
Temperature	-30°C + 105°C	+5°C + 60°C	-30°C + 60 °C
Speed	≤1,0 m/s	≤1,0 m/s	≤1,0 m/s

Note: The above data are maximum values, they may only be maintained for short periods of time and cannot be used at the same time simultaneously.

Surface roughness		
	Ra	Rmax
Sliding Surface	≤0,4 µm	≤3,2 µm
Groove Base	≤1,6 µm	≤10 µm
Groove Flanks	≤3,2 µm	≤16 µm

Hardware tolerances				
Dimension	Ød	ØD	ØD1	L
Tolerance	f8	H10	H10	+0,2/-0 mm

Rod diameter	Groove diameter	Groove width	Seal height	Material seal	Temperature range	Article
mm	mm	mm	mm		°C	
8	14	4.3	5.5	NBR	-30 / 105	14408438
12	18	3.6	4.8	NBR	-30 / 105	14408475
12.76	20.42	5.07	6	NBR	-30 / 105	14408476
13	20	5.8	7.3	NBR	-30 / 105	14408477
14	20	3.6	4.8	NBR	-30 / 105	14408478
15.87	23.8	5.1	6	NBR	-30 / 105	14408480
15.93	23.59	5.07	6	NBR	-30 / 105	14408479
16	22	3.8	5.5	NBR	-30 / 105	14408481
16	24	4.3	6	NBR	-30 / 105	14408482
18	24.6	3.8	4.8	NBR	-30 / 105	14408483
20	28.6	5.3	7	NBR	-30 / 105	14408484
22	28	3.9	5	NBR	-30 / 105	14408485

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Rod diameter	Groove diameter	Groove width	Seal height	Material seal	Temperature range	Article
mm	mm	mm	mm		°C	
22	30	5.3	7	NBR	-30 / 105	14408486
25	33.6	5.3	7	NBR	-30 / 105	12999417
25.46	34.72	5.45	6.7	NBR	-30 / 105	14408487
28	36	4.8	5.8	NBR	-30 / 105	14408490
28	36.6	5.3	7	NBR	-30 / 105	14408489
30	38.6	5.3	7	NBR	-30 / 105	14408491
34.92	44.45	5.45	6.7	NBR	-30 / 105	14408538
35	43.6	5.3	7	NBR	-30 / 105	11418037
36	44.6	5.3	7	NBR	-30 / 105	14408492
38	48	4.3	5.8	NBR	-30 / 105	14408493
40	48.6	5.3	7	NBR	-30 / 105	14408494
42	50	5.3	7	NBR	-30 / 105	14408495
44.51	53.77	5.4	6.7	NBR	-30 / 105	14408496
45	53	4.5	5.8	NBR	-30 / 105	14408499
45	53.6	5.3	7	NBR	-30 / 105	14408498
45	55.6	5.3	7	NBR	-30 / 105	14408497
47.63	56.9	5.24	7	NBR	-30 / 105	14408500
50	58	4.8	5.8	NBR	-30 / 105	14408503
50	58.6	5.3	7	NBR	-30 / 105	14408502
50	60.6	5.3	7	NBR	-30 / 105	14408501
50.86	60.12	5.45	6.7	NBR	-30 / 105	14408504
53.97	63.5	5.65	7.45	NBR	-30 / 105	14408505
55	65.6	5.3	7	NBR	-30 / 105	14408506
56	64	5.3	7	NBR	-30 / 105	14408508
60	70.6	5.3	7	NBR	-30 / 105	14408509
63	71.6	5.3	7	NBR	-30 / 105	14408510
63	73.6	5.3	7	NBR	-30 / 105	14408511
63.57	76.12	7	8.65	NBR	-30 / 105	14408512
65	75.6	5.3	7	NBR	-30 / 105	14408513
70	80.6	5.3	7	NBR	-30 / 105	14408514
75	87.2	7.1	12	NBR	-30 / 105	14408515
76.2	88.9	7.05	8.65	NBR	-30 / 105	14408516
80	92	7.1	12	NBR	-30 / 105	14408517
85	97.2	7.1	12	NBR	-30 / 105	14408518
88.97	101.52	7	8.65	NBR	-30 / 105	14408519
90	100	6.3	8	NBR	-30 / 105	14408520
90	102.2	7.1	12	NBR	-30 / 105	13293207
95	107.2	7.1	12	NBR	-30 / 105	14408521
101.67	114.22	7.05	8.65	NBR	-30 / 105	14408522
110	125.2	7.8	9.5	NBR	-30 / 105	14408523
115	127.2	7.1	12	NBR	-30 / 105	14408524
125	140	7.6	9.5	NBR	-30 / 105	14408525
127	139.7	7.05	8.65	NBR	-30 / 105	14408526
135	147.2	7.1	12	NBR	-30 / 105	14408527
139.7	152.4	7.05	8.65	NBR	-30 / 105	14408528
155	167	7.1	12	NBR	-30 / 105	14408529
160	172.2	7.1	12	NBR	-30 / 105	14408530
160	175	8	11.5	NBR	-30 / 105	14408531
185	197.2	7.1	12	NBR	-30 / 105	14408532
215	227	7.1	12	NBR	-30 / 105	14408533
240	255	7.1	12	NBR	-30 / 105	14408534
280	305	16.5	22.5	NBR	-30 / 105	14408535
320	350	18	27	NBR	-30 / 105	14408536

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