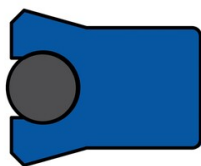


U-cup type EL9010



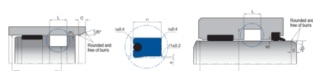
Characteristics

Type: EL9010

Material seal: PUR

Max. operating pressure: 400 bar

Maximum speed: 0.5 m/s



Operating conditions			
Media	Mineral Oils [DIN 51524]	HFA and HFB	HFC
Temperature	-30°C + 100°C	+5°C + 50°C	-30°C + 40 °C
Pressure	≤400 bar	≤400 bar	≤400 bar
Speed	≤0,5 m/s	≤0,5 m/s	≤0,5 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

Maximum permissible sealing gap - S (mm)			
Cross-section = [D-d]/2	150 bar	250 bar	400 bar
≤5	0,30	0,20	0,15
>5	0,35	0,25	0,20

Note: The largest sealing gap value occurring on the non-pressurized side of the seal does have a vital importance for the function of the seal and in this respect it is very important to use an S value lower than the above indicated numbers.

Hardware tolerances			
Dimension	Ød	ØD	L
Tolerance	f7 (rod) / h11 (piston)	H10	+0,2/-0 mm

Internal diameter	Outer diameter	Groove width	Seal height	Material energizer	Temperature range	Article
mm	mm	mm	mm		°C	
19.05	25.4	7	6.35	NBR	-30 / 100	14421219
22.23	28.58	3.5	3.18	NBR	-30 / 100	14421220

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Internal diameter	Outer diameter	Groove width	Seal height	Material energizer	Temperature range	Article
mm	mm	mm	mm		°C	
25	32	8	7	NBR	-30 / 100	14421225
25.4	31.75	7	6.35	NBR	-30 / 100	14421221
25.4	34.93	5.2	4.76	NBR	-30 / 100	14421222
25.4	34.93	8.7	7.94	NBR	-30 / 100	14421223
25.4	38.1	7	6.35	NBR	-30 / 100	14421224
30	40	7	6	NBR	-30 / 100	14421226
31.75	38.1	7	6.35	NBR	-30 / 100	14421227
31.75	41.28	8.7	7.94	NBR	-30 / 100	14421228
35	45	7	6	NBR	-30 / 100	14421229
35	50	10	9	NBR	-30 / 100	14421230
38.1	47.63	8.7	7.94	NBR	-30 / 100	14421231
38.1	47.63	10.5	9.53	NBR	-30 / 100	14421232
38.1	50	10.5	9.53	NBR	-30 / 100	14421233
40	50	7	6	NBR	-30 / 100	14421234
40	50	10	9	NBR	-30 / 100	14421235
44.45	53.98	10.5	9.53	NBR	-30 / 100	14421236
44.45	63.5	18.2	16.48	NBR	-30 / 100	14421237
45	53	9	8	NBR	-30 / 100	14421238
45	55	7	6	NBR	-30 / 100	14421239
45	55	11	10	NBR	-30 / 100	14421243
45	60	11	10	NBR	-30 / 100	14421242
45	60	12	11	NBR	-30 / 100	14421241
45	65	11	10	NBR	-30 / 100	14421240
47.62	57.15	10.5	9.5	NBR	-30 / 100	14421245
47.62	63.5	12.5	11.5	NBR	-30 / 100	14421244
50	58	9	8	NBR	-30 / 100	14421248
50	60	7	6	NBR	-30 / 100	14421249
50	63	10	9	NBR	-30 / 100	14421250
50.8	60.33	10.5	9.53	NBR	-30 / 100	14421246
50.8	63.5	10.5	9.53	NBR	-30 / 100	14421247
53	63	8.3	7.3	NBR	-30 / 100	14421251
55	65	7	6	NBR	-30 / 100	14421252
57.15	69.85	7	6.35	NBR	-30 / 100	14421253
60	68	9	8	NBR	-30 / 100	14421254
60	70	7	6	NBR	-30 / 100	14421255
60	70	10	9	NBR	-30 / 100	14421257
60	75	10	9	NBR	-30 / 100	14421256
63.5	76.2	10.5	9.53	NBR	-30 / 100	14421258
69.85	82.55	10.5	9.52	NBR	-30 / 100	14421259
76.2	88.9	10.5	9.53	NBR	-30 / 100	14421260
76.2	92.08	13.7	12.7	NBR	-30 / 100	14421261
88.9	101.6	10.5	9.53	NBR	-30 / 100	14421262
90	103	11	10	NBR	-30 / 100	14421263
92.08	101.6	10.5	9.53	NBR	-30 / 100	14421264
105	120	10	9	NBR	-30 / 100	14421265
106	120	9.5	8.5	NBR	-30 / 100	14421266
107.95	127	17.5	15.88	NBR	-30 / 100	14421267
109	125	11.5	10.5	NBR	-30 / 100	14421268
139.7	165.1	20.5	19.5	NBR	-30 / 100	14421269

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