

OKR70 is a sealing device with a square cross-section. For existing applications, there is no need to change the design or procedures. Square rings fit in O-ring grooves and are interchangeable size for size. In most applications, the **OKR70** are used as energising element for PTFE composite seals.

Operating conditions

Pressure ≤ 25 MPa
Temperature -30°C to 100°C

Materials

NBR NBR 70 Sh A

Assembly

Axial: in closed housings
Radial: also possible, contact us

Advantages

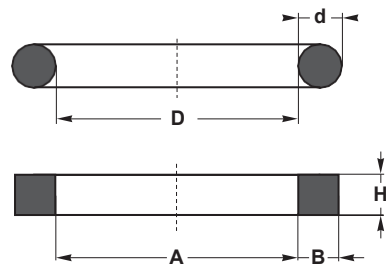
Excellent resistance to extrusion
Minimal mechanical deformation of the cross-section and minimal deformation under pressure
No twisting in the groove
Can be used in many different applications due to the large selection of materials
Long service life

Please contact us for applications approaching maximum values.

NBR 70 Sh A				
A	B	H	Reference O-ring	Reference
17,12	2,51	2,51	17,12 X 2,62	OKR70-017
23,47	2,51	2,51	23,47 X 2,62	OKR70-023
26,64	2,51	2,51	26,64 X 2,62	OKR70-026
28,17	3,4	3,4	28,17 X 3,53	OKR70-028
32,92	3,4	3,4	32,92 X 3,53	OKR70-032
34,29	5,16	5,16	34,29 X 5,34	OKR70-034
37,69	3,4	3,4	37,69 X 3,53	OKR70-037
37,47	5,16	5,16	37,47 X 5,34	OKR70-037-1
43,82	5,16	5,16	43,82 X 5,34	OKR70-043
44,04	3,4	3,4	44,04 X 3,53	OKR70-044
46,99	5,16	5,16	46,99 X 5,34	OKR70-046
47,22	3,4	3,4	47,22 X 3,53	OKR70-047
50,8	3,4	3,4	50,8 X 3,53	OKR70-050
50,17	5,16	5,16	50,17 X 5,34	OKR70-050-1
53,57	3,4	3,4	53,57 X 3,53	OKR70-053
53,34	5,16	5,16	53,34 X 5,34	OKR70-053-1
56,74	3,4	3,4	56,74 X 3,53	OKR70-056
56,52	5,16	5,16	56,52 X 5,34	OKR70-056-1
62,87	5,16	5,16	62,87 X 5,34	OKR70-062
63,09	3,4	3,4	63,09 X 3,53	OKR70-063
69,22	5,16	5,16	69,22 X 5,34	OKR70-069
72,39	5,16	5,16	72,39 X 5,34	OKR70-072
78,74	5,16	5,16	78,74 X 5,34	OKR70-078
78,74	6,73	6,73	78,74 X 7	OKR70-078-1

NBR 70 Sh A				
A	B	H	Reference O-ring	Reference
81,92	5,16	5,16	81,92 X 5,34	OKR70-081
88,27	5,16	5,16	88,27 X 5,34	OKR70-088
94,62	5,16	5,16	94,62 X 5,34	OKR70-094
97,79	5,16	5,16	97,79 X 5,34	OKR70-097
104,14	5,16	5,16	104,14 X 5,34	OKR70-104
107,32	5,16	5,16	107,32 X 5,34	OKR70-107
107,32	6,73	6,73	107,32 X 7	OKR70-107-1
113,67	5,16	5,16	113,67 X 5,34	OKR70-113
113,67	6,73	6,73	113,67 X 7	OKR70-113-1
116,67	6,73	6,73	116,67 X 7	OKR70-116
123,19	6,73	6,73	123,19 X 7	OKR70-123
126,37	6,73	6,73	126,37 X 7	OKR70-126
132,72	6,73	6,73	132,72 X 7	OKR70-132
139,07	6,73	6,73	139,07 X 7	OKR70-139
142,24	5,16	5,16	142,24 X 5,34	OKR70-142
148,59	6,73	6,73	148,59 X 7	OKR70-148
158,18	6,73	6,73	158,18 X 7	OKR70-158
164,47	6,73	6,73	164,47 X 7	OKR70-164
177,17	6,73	6,73	177,17 X 7	OKR70-177
196,22	6,73	6,73	196,22 X 7	OKR70-196
227,97	6,73	6,73	227,97 X 7	OKR70-227
253,37	6,73	6,73	253,37 X 7	OKR70-253
291,47	6,73	6,73	291,47 X 7	OKR70-291

Comparison O-ring and square ring



d	1,78	2,62	3,53	5,34	7 (6,99)
B = H	1,68	2,51	3,4	5,16	6,73