

OKS90 is a sealing device with a square or rectangular cross-section.

The primary reason for using a **OKS90** in a sealing application is that they perform the sealing function in a superior manner - and at a cost lower than any other comparable sealing device. For existing applications, there is no need to change the design or procedures.

Square rings are available in a variety of rubber and thermoplastic materials such as NBR, FPM, EPDM, PTFE... In most static applications, a square ring will serve as a direct **replacement for an O-ring** and generally will perform a high pressure sealing function as well as or better than an O-ring.

Operating conditions

Pressure ≤ 50 MPa
Temperature -30°C to 100°C

Materials

NBR NBR 90 Sh A

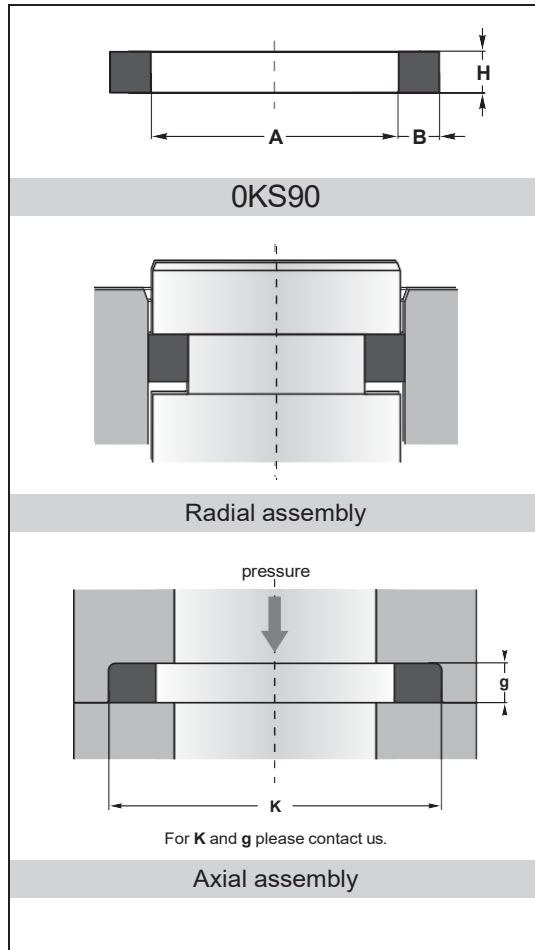
Assembly

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

Advantages

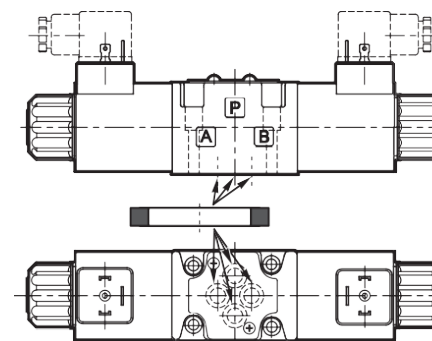
- Excellent resistance to extrusion
- Minimal mechanical deformation of the cross-section and minimal deformation under pressure
- No twisting in the groove
- Can be used in many different applications due to the large selection of materials
- Long service life

Please contact us for applications approaching maximum values.



A	B	H	Additional item code	Reference	A	B	H	Additional item code	Reference
6,07	1,68	1,68	6,07 x 1,68 x 1,68	OKS90-06	18,64	3,53	3,53	18,64 x 3,53 x 3,53	OKS90-18
7,3	1,4	1,5	7,3 x 1,4 x 1,5	OKS90-07	19	3	3	19 x 3 x 3	OKS90-19
8,01	1,6	1,78	8,01 x 1,6 x 1,78	OKS90-08	22,53	2,3	2,62	22,53 x 2,3 x 2,62	OKS90-22
8,41	1,4	1,78	8,41 x 1,4 x 1,78	OKS90-08-1	25,8	3,53	3,53	25,8 x 3,53 x 3,53	OKS90-25
9,81	1,5	1,78	9,81 x 1,5 x 1,78	OKS90-09	26,58	3,53	3,53	26,58 x 3,53 x 3,53	OKS90-26
10	2	2	10 x 2 x 2	OKS90-10	27,8	2,6	3	27,8 x 2,6 x 3	OKS90-27
11,18	1,6	1,78	11,18 x 1,6 x 1,78	OKS90-11	28,43	3,4	3,53	28,43 x 3,4 x 3,53	OKS90-28
12,81	2,4	2,62	12,81 x 2,4 x 2,62	OKS90-12	33,34	3,53	3,53	33,34 x 3,53 x 3,53	OKS90-33
13	1,6	2	13 x 1,6 x 2	OKS90-13	34,52	3,53	3,53	34,52 x 3,53 x 3,53	OKS90-34
13	2,3	2,62	13 x 2,3 x 2,62	OKS90-13-1	36,58	3,53	3,53	36,58 x 3,53 x 3,53	OKS90-36
14,6	1,6	1,78	14,6 x 1,6 x 1,78	OKS90-14	37,69	3,53	3,53	37,69 x 3,53 x 3,53	OKS90-37
15,54	2	2	15,54 x 2 x 2	OKS90-15	42,5	3	3	42,5 x 3 x 3	OKS90-42
16,56	1,5	1,78	16,56 x 1,5 x 1,78	OKS90-16	47,5	3,53	3,53	47,5 x 3,53 x 3,53	OKS90-47
17,56	2,4	2,62	17,56 x 2,4 x 2,62	OKS90-17	54,5	3,53	3,53	54,5 x 3,53 x 3,53	OKS90-54

Example of application: directional valves



Valve size	Description of the set of seals
NG 6	4 pcs OKS90-09
NG 10	5 pcs OKS90-13
NG 16	4 pcs OKS90-22 + 3 pcs OKS90-10
NG 25	4 pcs OKS90-27 + 3 pcs OKS90-19
NG 32	4 pcs OKS90-42 + 3 pcs OKS90-19