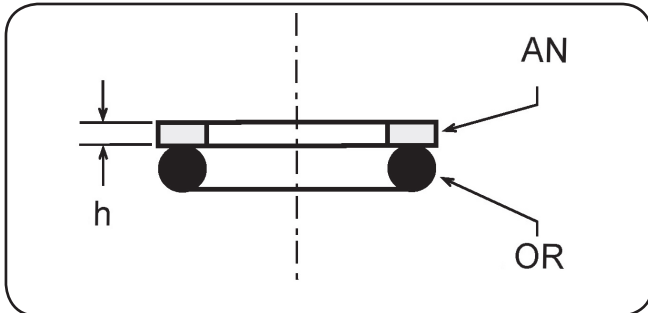


AN SUPPORT RINGS



MAIN FEATURES

AN series support rings are used as auxiliary rings for O-rings in both rod and piston sealing applications.

O-Ring Section	h	L	L1	L2
1.78	1.40	2.50	3.90	5.30
2.62	1.40	3.50	5.00	6.40
3.53	1.40	4.50	6.20	7.60
5.33	1.90	7.00	9.10	11.00
6.99	2.80	9.50	12.20	15.00

• Radial Static DIN 3771/5

AN

DESCRIPTION

Support rings for O-Rings

DYNAMIC SURFACE MATERIAL

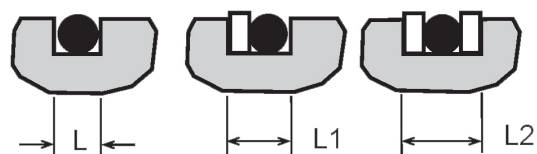
PTFE

OPERATING CONDITIONS

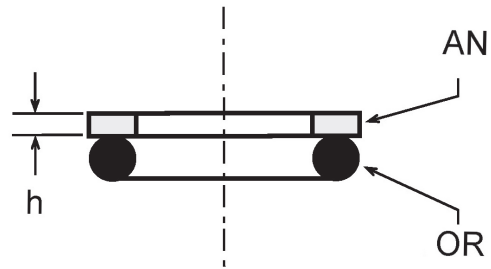
Temperature: --100°C + 250°C

COMMON FEATURES

Support rings are used as additional components to the O-rings. The purpose of these support rings is to prevent the O-ring from being pushed into the gap between the two metal parts to be sealed. The support ring is mounted behind the O-ring, on the side opposite to the pressure, if it acts in one direction, and if it acts alternatively, two support rings, one on each side of the seal. As a consequence of support rings' distinctive movement, working pressure causes deformation, closing the extrusion gap and thus avoiding premature damage to the O-ring. Thanks to the combination of O-Rings in standard material 70 NBR and support rings, working pressures in static applications of up to 400 bar and dynamic work pressures of up to 250 bar are possible with a maximum extrusion gap of 0.3 mm. By reducing tolerances, work at higher pressures is possible.



AN



REFERENCE	O-ring size
AN 2	3.68 x 1.78
AN 3	4.47 x 1.78
AN 4	5.28 x 1.78
AN 5	6.07 x 1.78
AN 7	9.25 x 1.78
AN 07-12	12.42 x 1.78
AN 8	9.19 x 2.62
AN 9	10.77 x 2.62
AN 15	18.64 x 3.53
AN 22	29.74 x 3.53
AN 25	34.52 x 3.53
AN 28	37.47 x 5.33
AN 29	40.64 x 5.33
AN 31	46.99 x 5.33
AN 33	53.34 x 5.33
AN 35	59.69 x 5.33
AN 38-70	70.5 x 2.25
AN 41	78.74 x 5.33
AN 43	85.09 x 5.33
AN 46	94.62 x 5.33
AN 47	97.39 x 5.33
AN 48	100.97 x 5.33

REFERENCE	O-ring size
AN 50	107.32 x 5.33
AN 52	113.67 x 5.33
AN 53	116.84 x 6.99
AN 55	123.19 x 6.99
AN 56	126.37 x 6.99
AN 57	129.54 x 6.99
AN 58	132.72 x 6.99
AN 59	135.89 x 6.99
AN 60	137.07 x 6.99
AN 61	142.24 x 6.99
AN 62	145.42 x 6.99
AN 65	158.12 x 6.99
AN 66	164.47 x 6.99
AN 68	177.17 x 6.99
AN 71	196.22 x 6.99
AN 73	215.27 x 6.99
AN 74	227.97 x 6.99
AN 75	240.67 x 6.99
AN 82	329.57 x 6.99
AN 84	354.97 x 6.99
AN 85	367.67 x 6.99
AN 86	380.37 x 6.99
AN 87	393.07 x 6.99