



BUNA-N 70 O-RINGS & HBNR

HIGH-PERFORMANCE MOLDED SEALS

ISO-9002

MANUFACTURED IN A
QUALITY SYSTEM CERTIFIED
FACILITY.

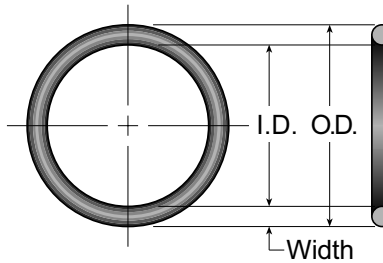
PPE O-rings are Buna-N 70 (nitrile) and are suitable for nearly all sealing applications including valves, cylinders, flanges, faucets, etc. Their efficient resistance to hydraulic fluids, petroleum-based fluids, synthetic lubricants, water, etc. make them the most widely used O-ring. They have good tensile strength & compression set and excellent abrasive resistance.

The standard sizes available from PPE are defined by Aerospace Standard AS568A, *Aerospace Size Standard for O-rings*, a document published by the Society of Automotive Engineers, Inc. (SAE). These sizes are grouped under five cross-sectional diameters (widths).

Two dimensions define the size of an O-ring: its inside diameter (I.D.) and its width (cross-section).

The PPE part numbers are a variation of the Aerospace Standard AS568A numbering system by using the prefix "BN" for Buna-N 70.

Other sizes and materials also available to order, including Viton (Fluorocarbon), Silicone, Ethylene Propylene and Polyacrylate.

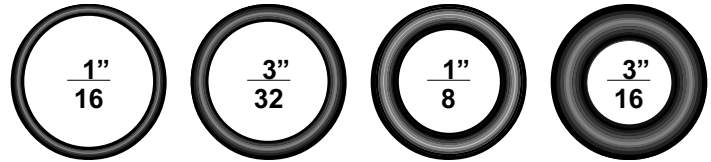


Temperature Range:
-35°F to +250°F

Material: Nitrile
(Durometer: Shore A: 70)

Molded in black.

All examples shown below are actual size with 13/16" O.D.



BNR017
11/16" I.D.
13/16" O.D.

BNR114
5/8" I.D.
13/16" O.D.

BNR207
9/16" I.D.
13/16" O.D.

BNR309
7/16" I.D.
13/16" O.D.

1" Nominal Cross Section
ACTUAL: .070±.003 in.
1.78±0.08mm

PART NO.	NOMINAL (in.)			ACTUAL I.D.				PRICE PER PKG.
	I.D.	O.D.	Width	in.	±	mm	±	
BNR004	5/64	13/64	1/16	.070	.005	1.78	0.13	\$1.85/100
BNR005	3/32	7/32	1/16	.101	.005	2.57	0.13	\$1.85/100
BNR006	1/8	1/4	1/16	.114	.005	2.90	0.13	\$1.85/100
BNR007	5/32	9/32	1/16	.145	.005	3.68	0.13	\$1.85/100
BNR008	3/16	5/16	1/16	.176	.005	4.47	0.13	\$2.00/100
BNR009	7/32	11/32	1/16	.208	.005	5.28	0.13	\$2.00/100
BNR010	1/4	3/8	1/16	.239	.005	6.07	0.13	\$2.14/100
BNR011	5/16	7/16	1/16	.301	.005	7.65	0.13	\$2.14/100
BNR012	3/8	1/2	1/16	.364	.005	9.25	0.13	\$2.14/100
BNR013	7/16	9/16	1/16	.426	.005	10.82	0.13	\$2.52/100
BNR014	1/2	5/8	1/16	.489	.005	12.42	0.13	\$2.61/100
BNR015	9/16	11/16	1/16	.551	.007	14.00	0.18	\$2.61/100
BNR016	5/8	3/4	1/16	.614	.009	15.60	0.23	\$2.80/100
BNR017	11/16	13/16	1/16	.676	.009	17.17	0.23	\$3.15/100
BNR018	3/4	7/8	1/16	.739	.009	18.77	0.23	\$3.47/100
BNR019	13/16	15/16	1/16	.801	.009	20.35	0.23	\$3.61/100
BNR020	7/8	1	1/16	.864	.009	21.95	0.23	\$3.80/100
BNR021	15/16	1-1/16	1/16	.926	.009	23.52	0.23	\$3.92/100
BNR022	1	1-1/8	1/16	.989	.010	25.12	0.25	\$4.10/100
BNR023	1-1/16	1-3/16	1/16	1.051	.010	26.70	0.25	\$4.40/100
BNR024	1-1/8	1-1/4	1/16	1.114	.010	28.30	0.25	\$4.65/100
BNR025	1-3/16	1-5/16	1/16	1.176	.011	29.87	0.28	\$5.37/100
BNR026	1-1/4	1-3/8	1/16	1.239	.011	31.47	0.28	\$6.06/100
BNR027	1-5/16	1-7/16	1/16	1.301	.011	33.05	0.28	\$6.60/100

1" Nominal Cross Section
ACTUAL: .070±.003 in. (continued)
1.78±0.08mm

PART NO.	NOMINAL (in.)			ACTUAL I.D.				PRICE PER PKG.
	I.D.	O.D.	Width	in.	±	mm	±	
BNR028	1-3/8	1-1/2	1/16	1.364	.013	34.65	0.33	\$6.75/100
BNR029	1-1/2	1-5/8	1/16	1.489	.013	37.82	0.33	\$6.85/100
BNR030	1-5/8	1-3/4	1/16	1.614	.013	41.00	0.33	\$7.84/100
BNR031	1-3/4	1-7/8	1/16	1.739	.015	44.17	0.38	\$8.32/100
BNR032	1-7/8	2	1/16	1.864	.015	47.35	0.38	\$8.81/100
BNR033	2	2-1/8	1/16	1.989	.018	50.52	0.46	\$9.29/100
BNR034	2-1/8	2-1/4	1/16	2.114	.018	53.70	0.46	\$9.80/100
BNR035	2-1/4	2-3/8	1/16	2.239	.018	56.87	0.46	\$10.29/100
BNR036	2-3/8	2-1/2	1/16	2.364	.018	60.05	0.46	\$11.25/100
BNR037	2-1/2	2-5/8	1/16	2.489	.018	63.22	0.46	\$11.55/100
BNR038	2-5/8	2-3/4	1/16	2.614	.020	66.40	0.51	\$11.76/100
BNR039	2-3/4	2-7/8	1/16	2.739	.020	69.57	0.51	\$11.78/100
BNR040	2-7/8	3	1/16	2.864	.020	72.75	0.51	\$11.83/100
BNR041	3	3-1/8	1/16	2.989	.024	75.92	0.61	\$11.88/100
BNR042	3-1/4	3-3/8	1/16	3.239	.024	82.27	0.61	\$12.58/100
BNR043	3-1/2	3-5/8	1/16	3.489	.024	88.62	0.61	\$7.54/50
BNR044	3-3/4	3-7/8	1/16	3.739	.027	94.97	0.69	\$7.70/50
BNR045	4	4-1/8	1/16	3.989	.027	101.32	0.69	\$8.08/50
BNR046	4-1/4	4-3/8	1/16	4.239	.030	107.67	0.76	\$10.45/50
BNR047	4-1/2	4-5/8	1/16	4.489	.030	114.02	0.76	\$3.14/10
BNR048	4-3/4	4-7/8	1/16	4.739	.030	120.37	0.76	\$3.53/10
BNR049	5	5-1/8	1/16	4.989	.037	126.72	0.94	\$4.10/10
BNR050	5-1/4	5-3/8	1/16	5.239	.037	133.07	0.94	\$4.28/10

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