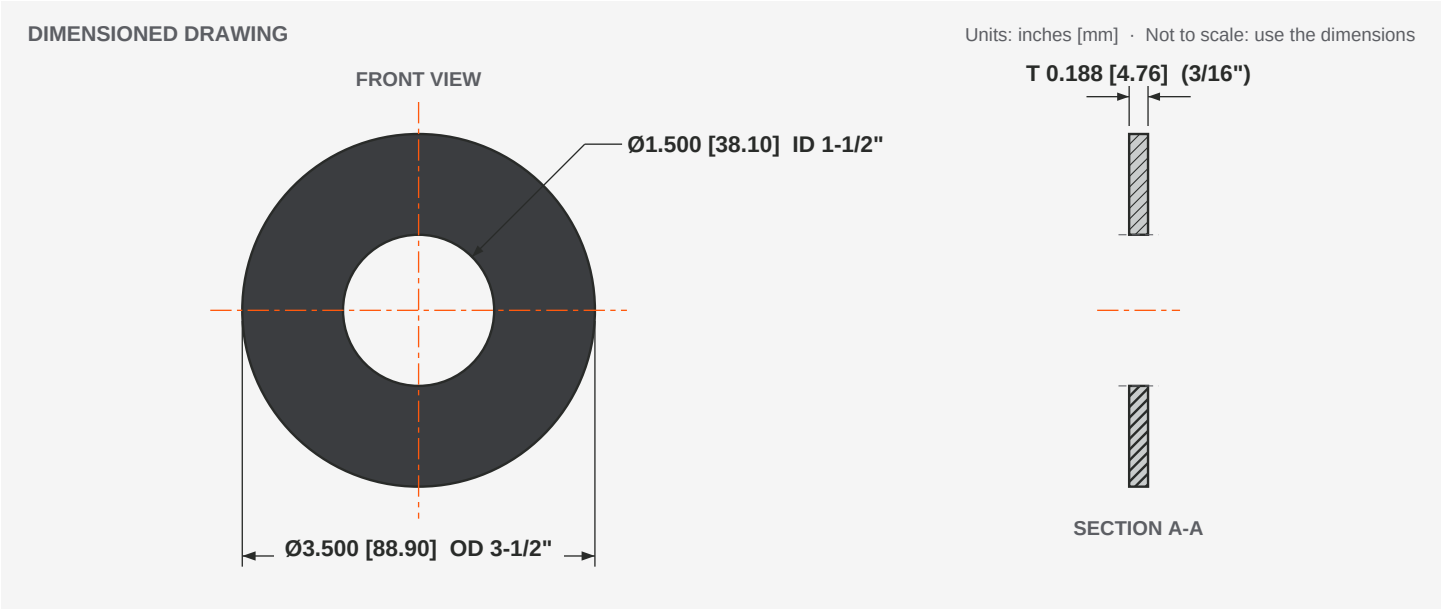


Nitrile (Buna-N) Rubber Washer 3-1/2" OD x 1-1/2" ID x 3/16" Thick

Flat die-cut washer · Acrylonitrile-butadiene (NBR) · 65-75 Shore A · -30°F to 212°F



DIMENSIONS

Feature	Nominal	Decimal	Metric	Tolerance (typical)
Outside diameter (OD)	3-1/2"	3.500"	88.90 mm	±0.015" (±0.38 mm)
Inside diameter (ID)	1-1/2"	1.500"	38.10 mm	±0.015" (±0.38 mm)
Thickness (T)	3/16"	0.188"	4.76 mm	±0.015" or ±10%, whichever is greater

MATERIAL: NITRILE (BUNA-N)

Polymer	Acrylonitrile-butadiene (NBR)
Hardness	65-75 Shore A (typical)
Service temp.	-30°F to 212°F (-34°C to 100°C)
Colour	Black
Reference	ASTM D2000 type BF/BG

The standard oil- and fuel-resistant rubber. Ethanol-blended fuels and sustained heat favour Viton.

CHEMICAL RESISTANCE (typical)

Media	Rating
Water	Good
Steam / hot water	Poor
Petroleum oil & grease	Excellent
Gasoline / diesel	Good
Ozone, UV & weather	Poor
Dilute acids	Fair
Dilute alkalis	Fair
Ketones (MEK, acetone)	Poor

AVOID

Direct sunlight/ozone, ketones, brake fluid, strong acids.

TYPICAL USES

- Oil drain plugs and gearboxes
- Hydraulic and pneumatic fittings
- Fuel and lube equipment
- Machinery and compressors

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CAD (2D DXF)	dixonappstudio.com/specs/rww/RWSHRBN312112316.dxf
CAD (3D STEP)	dixonappstudio.com/specs/rww/RWSHRBN312112316.step
Material guide	rubberwasherwarehouse.com/pages/nitrile-rubber-washers-guide

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TYPICAL VALUES, VERIFY FOR YOUR APPLICATION. Properties are typical for commercial-grade material and are not a specification or warranty; actual values vary by compound, grade, temperature, pressure and exposure time. Test parts in your application before production use. Food-contact, potable-water, flame or electrical ratings apply only when a certified grade is confirmed on your order.
Typical ranges compiled from ASTM D2000 material classes, the Parker O-Ring Handbook (ORD 5700) compatibility tables and Rubber Washer Warehouse material pages.