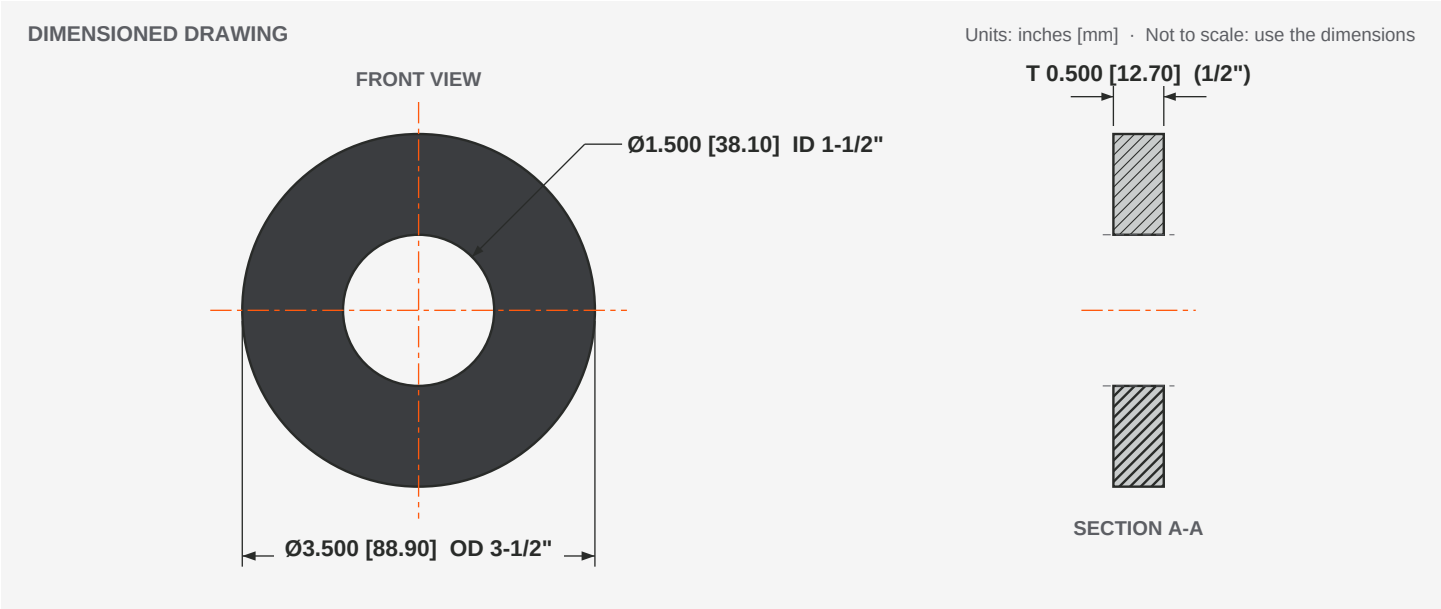


Natural Rubber Rubber Washer 3-1/2" OD x 1-1/2" ID x 1/2" Thick

Flat die-cut washer · Natural rubber / polyisoprene (NR) · 40-60 Shore A · -40°F to 180°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)	1/2"	0.500"	12.70 mm	±0.015" or ±10%, whichever is greater

MATERIAL: NATURAL RUBBER

Polymer	Natural rubber / polyisoprene (NR)
Hardness	40-60 Shore A (typical)
Service temp.	-40°F to 180°F (-40°C to 82°C)
Colour	Black or tan, depending on grade
Reference	ASTM D2000 type AA

Highest resilience and abrasion resistance; ideal for vibration and impact.
Keep away from oil and sunlight.

CHEMICAL RESISTANCE (typical)

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

AVOID

Oils, fuels, ozone and direct sunlight.

TYPICAL USES

- Vibration and impact damping
- Cushioning glass, tile and fiberglass
- Indoor low-cost sealing
- Abrasive service

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Product page	Buy this washer (price tiers apply at 50+ pcs)
CAD (2D DXF)	dixonappstudio.com/specs/rww/RWSHRNR31211212.dxf
CAD (3D STEP)	dixonappstudio.com/specs/rww/RWSHRNR31211212.step
Material guide	rubberwasherwarehouse.com/pages/natural-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.