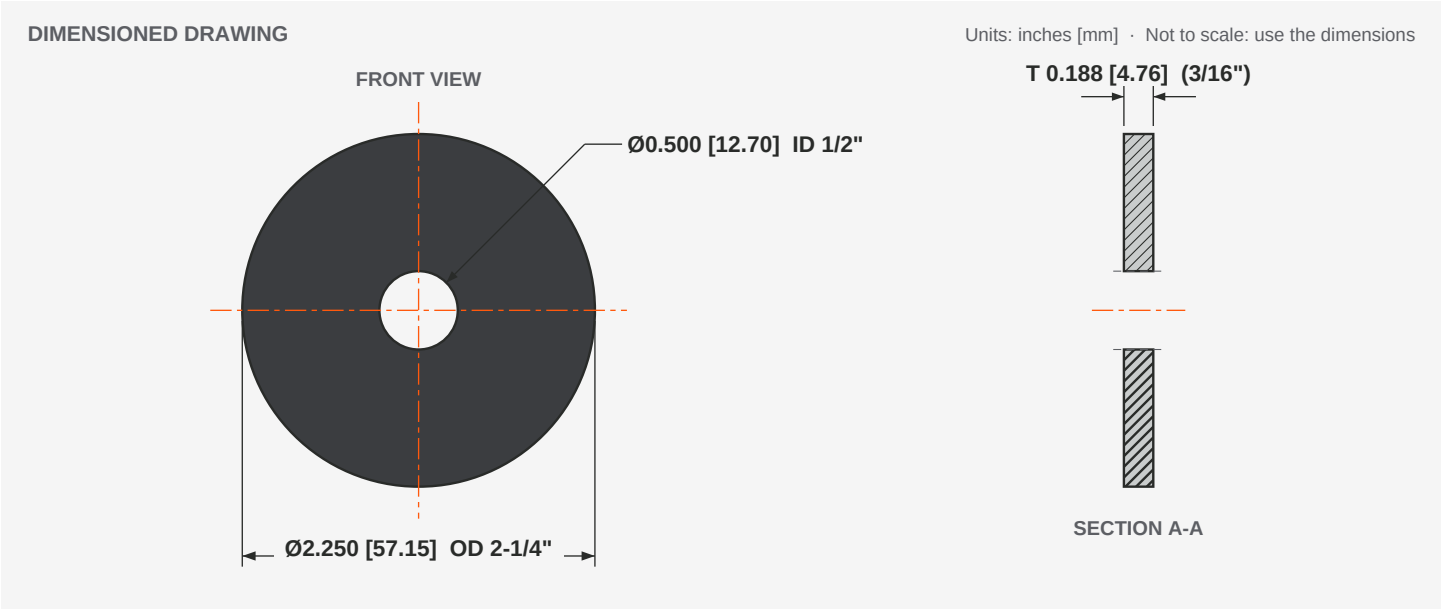


Fiber Rubber Washer 2-1/4" OD x 1/2" ID x 3/16" Thick

Flat die-cut washer · Vulcanized fibre (cellulose), not an elastomer · Semi-rigid; not rated on the Shore A scale · -40°F to 250°F



DIMENSIONS

Feature	Nominal	Decimal	Metric	Tolerance (typical)
Outside diameter (OD)	2-1/4"	2.250"	57.15 mm	±0.015" (±0.38 mm)
Inside diameter (ID)	1/2"	0.500"	12.70 mm	±0.015" (±0.38 mm)
Thickness (T)	3/16"	0.188"	4.76 mm	±0.015" or ±10%, whichever is greater

MATERIAL: FIBER

Polymer	Vulcanized fibre (cellulose), not an elastomer
Hardness	Semi-rigid; not rated on the Shore A scale
Service temp.	-40°F to 250°F (-40°C to 121°C)
Colour	Grey, red or black, depending on grade
Reference	Vulcanized fibre per ASTM D710 (typical)

Holds high clamp torque without extruding and insulates electrically.
Absorbs moisture in continuous immersion.

CHEMICAL RESISTANCE (typical)

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

AVOID

Continuous water immersion, steam, strong acids or alkalis.

TYPICAL USES

- Oil drain plugs and banjo fittings
- Compression and gas fittings
- Electrical insulating washers
- Light-duty plumbing joints

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Product page	Buy this washer (price tiers apply at 50+ pcs)
CAD (2D DXF)	dixonappstudio.com/specs/rww/RWSHRFB21412316.dxf
CAD (3D STEP)	dixonappstudio.com/specs/rww/RWSHRFB21412316.step
Material guide	rubberwasherwarehouse.com/pages/fiber-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.