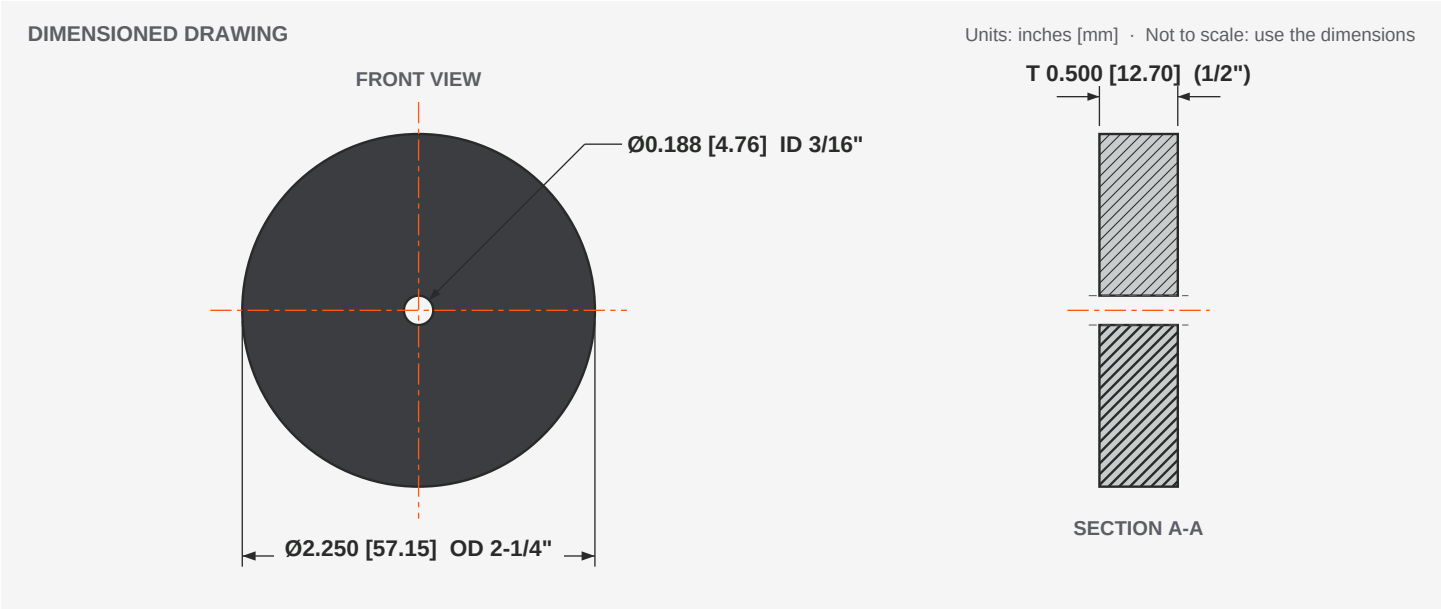


Natural Rubber Rubber Washer 2-1/4" OD x 3/16" ID x 1/2" Thick

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) | 2-1/4"  | 2.250"  | 57.15 mm | ±0.015" (±0.38 mm)                    |
| Inside diameter (ID)  | 3/16"   | 0.188"  | 4.76 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

Order, bulk price tiers & CAD

|                |                                                                              |
|----------------|------------------------------------------------------------------------------|
| Product page   | <a href="#">Buy this washer (price tiers apply at 50+ pcs)</a>               |
| CAD (2D DXF)   | <a href="#">dixonappstudio.com/specs/rww/RWSHRNR21431612.dxf</a>             |
| CAD (3D STEP)  | <a href="#">dixonappstudio.com/specs/rww/RWSHRNR21431612.step</a>            |
| Material guide | <a href="#">rubberwasherwarehouse.com/pages/natural-rubber-washers-guide</a> |



Scan to order

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.