



Alro Steel

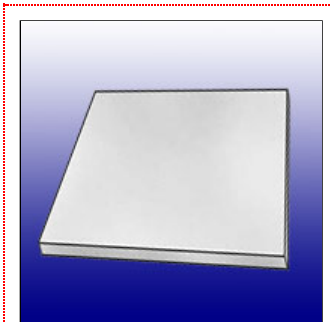
Aluminum - Alloys - Carbon Steel - Stainless - Red Metals



888-888-2576

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3003 Aluminum Plate



 3003 Aluminum

Chemical Composition

Aluminum:	98.6%
Manganese:	1.2%
Copper:	0.12%

3003 Aluminum Plate

3003 Aluminum Alloy – Plate, Sheet, and Tread Plate

3003 aluminum alloy is the most widely used of all aluminum alloys. It is essentially commercially pure aluminum with the addition of manganese which increases the strength approx. 20% over 1100 grade aluminum alloy. 3003 may show slight discoloration when anodized, but it reacts well to mechanical and organic finishings.

The Alro Advantage

Alro Steel is your trusted source for high-quality 3003 aluminum plate, sheet, and treadplate in various sizes and shapes. No matter your project requirements, we can provide 3003 aluminum alloy products based on your specifications. For direct pricing, [Request a Quote](#) today or call us at 888-888-2576, and we will gladly discuss your 3003 aluminum alloy project requirements.

3003 Aluminum Alloy Options

Alro Steel stocks 3003 aluminum alloy in several shape options to meet your project needs, including:

- Plate
- Sheet
- Tread Plate

3003 Aluminum Alloy Properties

Tensile Strength:	18,855 PSI
Yield Strength:	18,130 PSI
Elongation:	10%

*These numbers are "Typical" properties and may not be required to meet this grade. Please check with your Alro Sales Representative if physical properties are required for your application.

3003 Aluminum Plate, Sheet Features and Benefits

Aluminum 3003 is easily welded and brazed, but soldering is limited to the torch method. It has all the excellent characteristics of 1100 with higher strength. It has excellent corrosion resistance and workability and may be deep drawn or spun, welded, or brazed. Additional features include:

- Excellent corrosion resistance
- Weldable and formable
- Non-heat treatable
- Can be cold worked

It should be noted that aluminum alloy 3003 tends to be gummy when machined, but it will perform somewhat satisfactorily in the higher temps with the proper set-up and maximum speeds.

3003 Aluminum Alloy Tread Plate

Also known as diamond plate, 3003 treadplate features a shiny surface with raised a diamond pattern. The surface features make it a popular choice for trim and ornamental applications. However, it is also strong and lightweight and commonly used to provide protection and traction in high traffic areas.

Alro Metals Processing Services

Alro offers a wide variety of [processing capabilities](#) to complement our metals products. Secondary services include, Aluminum Plate Sawing, Flame Cutting, Grinding, Plasma Cutting, Plate Laser Cutting, Press Brake and Forming, Production Sawing, Saw Cutting, Shearing, Thermal Processing, Tube Laser Cutting and Waterjet Cutting.

Alro Steel Locations

Alro Steel [locations](#) are your one stop metals shop. Purchase metal stock and add on custom cut-to-size and other processing services. Serving 50,000+ satisfied customers across North America, you can rely on Alro Steel to process and distribute your metal products with next day delivery.

Experience the Alro Difference Today

In the market for premium 3003 aluminum alloy products? Alro is your trusted source for superior aluminum alloy products, including 3003 aluminum plate, sheet, and tread plate. [Request a Quote](#) or [Contact Us](#) for direct pricing on quality 3003 aluminum alloy products today.

Properties

Tensile Strength: 18,855 PSI
 Yield Strength: 18,130 PSI
 Elongation: 10%

These numbers are "Typical" properties and may not be required to meet this grade. Please check with your Alro Sales Representative if physical properties are required for your application.

Typical Uses

3003 aluminum alloy plate, sheet, and treadplate are manufactured to the required specifications to meet or exceed the needs for the following applicable end uses:

- Cooking Utensils
- Builder's Hardware
- Pressure Vessels
- Ice Cube Trays
- Eyelet Stock
- Awning Slats
- Gas Lines
- Garage Doors
- Refrigerator Panels

Tread Plate Applications Include

- Trim
- Ornamental
- Steps
- Floating Docks
- Walkways
- Truck Tool Boxes

Grade	Buy PLATE	Buy SHEET	Buy TREADPLATE
3003	●	●	●

Metals Products


- Alloy
- Aluminum
- Aluminum Plate
- Brass
- Bronze
- Copper
- Cast Iron
- Stainless Steel
- Tool Steel
- Expanded Metal
- Grating
- Carbon Steel
- Carbon Steel Bars
- Carbon Steel Plate
- Carbon Steel Sheet
- Carbon CF Bars
- Structurals
- Steel Tubing
- Carbon Steel Pipe
- Carbon Rebar
- Threaded Rod
- Chrome Plated Bar

Metals Processing

- Flame Cutting
- Grinding
- Plasma Cutting
- Plate Laser Cutting
- Precision Plate Sawing
- Precision Milled Super Square
- Press Brake/Forming
- Thermal Processing
- Tube Cutting & Chamfering
- Tube Laser Cutting
- Saw Cutting
- Shearing
- Waterjet Cutting

Metals Resources

- Metals Products
- Metals Literature
- Request a Quote/Submit a Print
- Quality System
- MSDS/SDS
- Metals Links

 **WARNING:** These products can potentially expose you to chemicals including Nickel, Chromium, Lead, Cobalt, Mercury and Beryllium, which are known to the state of California to cause cancer and/or birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov