

Titanium Square Bar

Shape: Square Bar

Diameter: 6*6mm/8*8mm/10*10mm/12*12mm/14*14mm/20*20mm

Length: 300mm-4000mm

(Diameter and length can be customized)

Grade: Gr1,Gr2,Gr3,Gr4,Gr5,Gr7,Gr9,Gr11,Gr12,Gr16,Gr17,Gr23,Gr26,Gr27,Gr29

Titanium Square Bar Manufacturer & Supplier

Our main production grades of titanium square bars include Grade 1, Grade 2, Grade 5, Grade 12, and Grade 23. Other titanium alloy grades can be customized to meet your specific requirements.

These titanium square rod products feature precise dimensions, fine surface finish, high strength-to-weight ratio, excellent corrosion resistance, and good heat resistance. They are widely used in aerospace, marine engineering, medical devices, and chemical processing equipment.

All square titanium bar stock undergoes strict quality inspection to ensure full compliance with international standards. Quality certificates and third-party inspection reports are available upon request.

Titanium Square Rod Standards & Technical Specifications

Standards: ASTM B348, ASTM F136, ASME SB348, AMS 4928, ASTM F67, ASTM B381

Surface treatment: machine polishing, grinding and polishing, sandblasting

Condition: Hot working condition (R), cold working condition (Y), annealed condition (M)

Origin: Baoji, China

Delivery time: 15 days for standard size, 1 month for special order

Pricing: Pricing is calculated by weight (USD/kg). The final price depends on grade, size, surface finish, and order quantity.

Packaging:

- Moisture-proof protective wrapping
- Foam cushioning
- Export-standard wooden cases

Custom Shapes: In addition to the standard square shape, we can also **round titanium bars** and **rectangular titanium bars** to meet customer requirements.

Major Applications of Titanium Square Profiles

Aerospace & High-Performance Engineering

Used in structural components and precision parts where high strength-to-weight ratio and reliability are critical.

Chemical & Process Industries

Applied in reactors, pipelines, pumps, and valves due to excellent resistance to acids and alkaline environments.

Electroplating & Surface Treatment

Provides stable current transmission and long service life in electroplating and pickling systems.

Medical Devices

Suitable for orthopedic, dental, and surgical applications thanks to proven biocompatibility.

Sporting & Performance Equipment

Used in high-end bicycles, golf clubs, and other performance-driven sports products.

Regular square titanium bar Sizes Availability

Size (mm)	Grade 1	Grade 2	Grade 5 (Ti-6Al-4V)	Grade 12	Grade 23
6 x 6	✓	✓	✓	✓	✓
8 x 8	✓	✓	✓	✓	✓
10 x 10	✓	✓	✓	✓	✓
14 x 14	✓	✓	✓	✓	✓
16 x 16	✓	✓	✓	✓	✓
20 x 20	✓	✓	✓	✓	✓
25 x 25	✓	✓	✓	✓	✓
30 x 30	✓	✓	✓	✓	✓
40 x 40	✓	✓	✓	✓	✓
50 x 50	✓	✓	✓	✓	✓
70 x 70	✓	✓	✓	✓	✓

Customization Options for Ti Square Rods

Cross-section range: 5 mm to over 100 mm (square or rectangular)

Length customization: up to 6000 mm

Shape options: square, rectangular, round, or other profiles upon request

Quality Control & Certification for Titanium Bar Products

- Chemical composition analysis
- Mechanical property testing
- Dimensional inspection
- Macro and microstructure examination
- Metallographic grain structure inspection

Each batch is supplied with MTR reports.

Certifications: ISO 9001, AS9100

FAQ – Titanium Square Bar Supply

1. What shipping methods do you use for Titanium Square Rods?

Based on your requirements, you can choose flexible shipping options:

Air freight: Suitable for urgent orders and fast delivery

Sea freight: A cost-effective solution for bulk orders and large quantities

2. What is the minimum order quantity (MOQ)?

For standard specifications and commonly used grades, the MOQ is 1 piece or 10 kg (whichever is higher). For customized sizes or special grades, the MOQ will be adjusted accordingly.

3. Can you provide Ti Square Bar samples?

Yes, samples are available. Samples are charged at retail price, and shipping costs apply. Once you place a formal order, the sample cost can be deducted from the total order amount. This is the most direct way for you to verify material quality and specifications before bulk purchasing.