

Customizable Titanium Bar

At Baoji Zecheng Metal Materials Co., Ltd., we offer customizable titanium bars to meet the diverse needs of industries such as aerospace, medical, chemical, marine, and automotive.

Explore our full range of titanium bar products designed for a variety of applications.

Standards: ASTM B348, ASTM F136, ASME SB348, AMS 4928, ASTM F67, ISO 5832-3, GB/T 2965, GB/T 13810, etc.

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

Shape: round bars, square bars, hexagonal bars, flat bars, rectangular bars, octagonal bars

Size

✓ Diameter

round bars	Diameter: ϕ 3mm- ϕ 600mm
square bars	Diameter: 6*6mm/8*8mm/10*10mm/12*12mm/14*14mm/20*20mm
rectangular bars	Thickness: 10-600mm Width: 10-1000mm
flat bars	Thickness: 2-100mm Width: 10-500mm
Titanium Angle bar	3mm*20mm*20mm-12mm*100mm*100mm
Hollow bar	OD ϕ 32mm x ID ϕ 16mm-OD ϕ 250mm x ID ϕ 200mm

length

- Standard length: 1000mm to 6000mm
- Special length: Can be customized as per customer requirements

Finish: Cold (bright) drawing, centerless grinding, hot rolling, smooth turning, peeling, hot rolling annealing, rough turning, bright, polishing, black skin

- Condition: Hot processed state (R)/Cold working state (Y)/Annealed state (M)
- Technique: hot rolled, cold drawn, cold rolled
- Tolerance: H8, H9, H10, H11, H12, H13, K9, K10, K11, K12 or as per customer requirements
- Quality certification: ISO9001 international quality management system
- Delivery Time:

Standard Sizes: Generally available for shipment within one week.

Custom Sizes: May require additional time; we will inform you of the specific delivery time upon order confirmation.

Application fields

Our customizable titanium rods are widely used in:

Aerospace

Medical equipment

Chemical equipment

Marine engineering

Sports equipment

Automotive industry

Common Titanium Alloys Chemical Composition (AMS B348)

Grade	Chemical Composition (%)
Gr1 (Pure Ti)	Ti: Balance, Fe: ≤0.20%, C: ≤0.08%, O: ≤0.18%, N: ≤0.03%, H: ≤0.015%
Gr2 (Pure Ti)	Ti: Balance, Fe: ≤0.30%, C: ≤0.08%, O: ≤0.25%, N: ≤0.03%, H: ≤0.015%
Gr5 (Ti-6Al-4V)	Ti: Balance, Al: 5.5-6.75%, V: 3.5-4.5%, Fe: ≤0.40%, C: ≤0.08%, O: ≤0.20%, N: ≤0.05%, H: ≤0.015%
Gr7 (Ti-0.2Pd)	Ti: Balance, Pd: 0.12-0.25%, Fe: ≤0.30%, C: ≤0.08%, O: ≤0.25%, N: ≤0.03%, H: ≤0.015%
Gr9 (Ti-3Al-2.5V)	Ti: Balance, Al: 2.5-3.5%, V: 2.0-3.0%, Fe: ≤0.25%, C: ≤0.08%, O: ≤0.15%, N: ≤0.03%, H: ≤0.015%
Gr12 (Ti-0.3Mo-0.8Ni)	Ti: Balance, Mo: 0.2-0.4%, Ni: 0.6-0.9%, Fe: ≤0.30%, C: ≤0.08%, O: ≤0.25%, N: ≤0.03%, H: ≤0.015%
Gr23 (Ti-6Al-4V ELI)	Ti: Balance, Al: 5.5-6.5%, V: 3.5-4.5%, Fe: ≤0.25%, C: ≤0.08%, O: ≤0.13%, N: ≤0.03%, H: ≤0.0125%

Common Titanium Alloys Mechanical Properties (AMS B348)

Grade	Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)
Gr1 (Pure Ti)	240	138	24
Gr2 (Pure Ti)	345	275	20
Gr5 (Ti-6Al-4V)	895	828	10
Gr7 (Ti-0.2Pd)	345	275	20
Gr9 (Ti-3Al-2.5V)	620	483	15
Gr12 (Ti-0.3Mo-0.8Ni)	483	345	18
Gr23 (Ti-6Al-4V ELI)	828	759	10

Titanium Bar Quality Assurance: Third-Party Testing & Certifications

We provide quality assurance and can supply third-party testing reports to verify the performance of our titanium bars. Our products go through strict quality control procedures to ensure your satisfaction.

How to Order Custom Titanium Bars: Online, Email, or Phone

Ordering custom titanium bars is easy:

Online Order: Place Your Order Here

Email: Reach out to our sales team at info@zctitanium.com

Phone/WhatsApp: Contact us directly for support and assistance.

Why Choose Zecheng Metal for Titanium Bars?

Superior Quality: We offer high-quality titanium bars that meet industry standards.

Custom Solutions: Tailored sizes, shapes, finishes, and lengths based on your needs.

Full Traceability: Our titanium bars come with full production traceability from raw material to final product.

Experienced Team: Our team is highly experienced in the titanium industry and provides expert advice and solutions.