Material: Titanium alloy
Chemical composition: Ti-6Al-4V
Standard: ASTM B265, AMS 4911, ISO 5832-3, ASME SB265
Size: Thickness: ≥0.3, Width: 400-3000mm, Length: 1000-4000mm
State: Hot working, cold working, annealing, solution treatment
Surface treatment: pickling, sandblasting, machine polishing

Grade 5 Titanium Plate

As a titanium alloy plate with high strength and high toughness, Grade 5 Titanium Plate has excellent corrosion resistance and compatibility with organisms. It is widely used in aerospace, medical, chemical and marine engineering fields.

Ti-6Al-4V Plate Application areas:

- Medical: Excellent biocompatibility and low rejection risk make it ideal for artificial joints, dental implants, and other medical devices.
- Aerospace: Suitable for aircraft engine components and spacecraft structures, offering unmatched strength-to-weight ratio.
- Engineering & Marine: Perfect for automotive parts, marine equipment, and other demanding engineering applications.

Why choose Zecheng Metal's Grade 5 Titanium Plate?

Custom Sizes & Precision Processing: We offer a variety of dimensions to meet your specific project requirements.

Factory Direct Source: Based in the Baoji Titanium Industry Base, we control the entire production chain from raw material melting to finished plate, ensuring high quality and competitive pricing.

Global Delivery: We work with multiple international freight partners to ensure fast and reliable shipping worldwide.

Stable Batch Supply: With an annual capacity of 2,000 tons, we guarantee consistent performance across large-volume orders.

Contact us today to learn more about our GR5 Titanium Plates and how they can meet your project needs.

Baoji Zecheng Metal Materials Co., Ltd.

Custom Titanium Plate Supplier

Custom Information	
Tolerances	per ASTM B265 or customized
Certifications	ISO 9001, AS9100 (for aerospace applications)
Inspection Reports	Material Test Certificate (MTC) Chemical Composition Analysis Mechanical Properties Test Non-Destructive Testing
Trade Information	
MOQ	Supports small trial orders
Lead Time	Standard sizes 2 – 4 weeks | Customized sizes 4 – 6 weeks

Packaging	Export-standard wooden crates
Payment Terms	T/T
Shipping	Sea, Air, or International Express (DHL/FedEx/UPS)

Mechanical Properties (Standard: ASTM B265)

Property	Typical Value (Annealed)
Tensile Strength	≥ 895 MPa
Yield Strength	≥ 828 MPa
Elongation	≥ 10%
Density	4.43 g/cm³

Chemical Composition (Standard: ASTM B265)

Ti	Balance
Al	5.5 – 6.75%
Impurity Limits	Fe ≤ 0.40%, C ≤ 0.08%, N ≤ 0.05%, H ≤ 0.015%, O ≤ 0.20%

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