

As a leading titanium manufacturer in China's Titanium Valley – Baoji, we provide you with:

1. Custom titanium rivets according to your drawings and requirements
2. Full traceability of raw materials
3. Fast delivery and worldwide shipping
4. Competitive pricing with guaranteed quality

Titanium Rivets – Strong, Lightweight, and Corrosion-Resistant Fastener

Ti rivets are permanent mechanical fasteners made from **pure titanium** or **titanium alloys**, offering superior strength, lightweight properties, and excellent corrosion resistance. Compared to traditional steel or aluminum rivets, titanium alloy rivets deliver reliable performance even in extreme environments.

At **Baoji Zecheng Metal Materials Co., Ltd.**, we manufacture a wide range of Ti rivets with different head types and custom designs, fully compliant with **ASTM, AMS, ISO, and other international standards**. Our advanced production techniques and strict quality control ensure that every rivet meets the high demands of critical applications.

Titanium Rivet Specifications

Category	Specification
Material Grades	Pure Titanium: Gr.1, Gr.2, Gr.3, Gr.4 Titanium Alloys: Gr.5 (Ti-6Al-4V), Gr.7, Gr.23, etc.
Standards	ASTM, AMS, ISO, DIN, JIS
Diameter Range	M3, M4, M5, M6, M8 (custom sizes available)
Length Range	6 mm – 30 mm (customizable to your requirements)
Head Types	Round, Flat, Countersunk, Semiround, Conical, Custom designs
Tolerance	±0.05 mm – ±0.1 mm (higher precision available on request)
Surface Treatment	Polished, Sandblasted, Anodized, Metal Plated, Special Coatings
Supply Condition	Cold Worked, Annealed, Heat Treated
Temperature	-200°C ~ 400°C (Gr.5 alloy can withstand higher temperatures)

Category	Specification
Resistance	
Corrosion Resistance	Excellent, resistant to seawater, acids, alkalis, chlorides
Biocompatibility	Suitable for medical implants
Certifications	ISO 9001, AS9100

Applications of Titanium Alloy Rivets

1. Aerospace

Structural connections for aircraft fuselage, wings, and tail assemblies

Fastening of engines and landing gear components

Benefits for you: Reduce weight, maintain high strength, corrosion and heat resistant

2. Marine & Offshore Engineering

Fastening ship hulls, hatches, and decks

Corrosion-resistant components for offshore platforms and submarines

Benefits for you: Excellent seawater resistance, long-term durability, low maintenance costs

3. Chemical & Industrial Equipment

Fixing chemical reactors, heat exchangers, and piping systems

Joining corrosion-resistant metal sheets, containers, and valves

Benefits for you: Acid and alkali resistance, high-temperature stability, reliable performance

4. Medical Devices

Orthopedic fasteners and implantable medical devices

Small Ti rivets for surgical applications

Benefits for you: Biocompatible, non-reactive, lightweight

5. Electronics & Motorsport

Lightweight structural components for racing cars, motorcycles, and bicycles

High-strength, corrosion-resistant assembly for phones, computers, and watches

Benefits for you: Lightweight, wear-resistant, strong, and corrosion-resistant

Whether you are in aerospace, marine, medical, chemical, electronics, or motorsport, our titanium alloy rivets help you achieve lightweight, high-strength, and corrosion-resistant solutions for your most demanding applications.