

Grade 5 Titanium Bolts – High-Performance Fasteners for Extreme Applications

Our titanium bolts are available in various styles, including hex head bolts, hex head flange bolts, round head bolts, and countersunk bolts. Each bolt is precision-engineered and undergoes strict quality control to ensure superior performance and reliability, even in the harshest environments. Whether you require standard sizes or custom specifications, we can provide a solution tailored to your needs.

Key Features of Grade 5 Titanium Bolts

- **High Strength:** It has excellent tensile strength, capable of withstanding high loads and extreme conditions.
- **Lightweight:** Titanium alloy is significantly lighter than other metals, making it ideal for applications where weight reduction is crucial, especially in aerospace.
- **Corrosion Resistance:** These bolts are resistant to a wide range of chemicals and saltwater, perfect for use in corrosive environments.
- **High-Temperature Resistance:** Grade 5 titanium bolts maintain stable performance at high temperatures, making them suitable for use in challenging applications.

Common Specifications

Size Standards	ISO 4042, ISO 4762, ANSI B18.2.1, ASME B18.3, DIN 931/DIN 933, ASME/ANSI B18.5. etc
Material Standards	ASTM B348, ASTM F468, AMS 4928, etc
Standard Sizes	Short bolts (e.g., 6mm, 8mm, 10mm) Medium-length bolts (e.g., 50mm, 80mm, 100mm) Long bolts (e.g., 200mm, 300mm) Imperial sizes (e.g., 1/2 inch, 3/4 inch, 1 inch)
Custom Sizes	We provide customized lengths, diameters, thread pitches, and more based on your specific requirements.
Thread Types	Fully Threaded: Threads along the entire length of the bolt. Partially Threaded: Threads cover only part of the bolt, suitable for applications with lower load demands.
Surface Treatment	Natural Titanium Finish: Retains the natural gray color of titanium. Anodizing: Enhances surface hardness and corrosion resistance, improving the appearance. Coating: Provides additional corrosion and wear resistance, ideal for harsh environments.

ISO 4014 - 2022 Size Standards

Nominal Diameter (M)	Thread Pitch (P)	Max. Diameter (da)	Max. Thread Diameter (ds)	Nominal Length (L)	Nominal Head Height (k)
M2	0.4	2.6	2	4	3.0
M3	0.5	3.6	3	5.5	4.0
M4	0.7	4.7	4	7	5.0
M5	0.8	5.7	5	8	6.0
M6	1.0	6.8	6	10	7.0
M8	1.25	9.2	8	13	9.0
M10	1.5	11.2	10	16	10.0

Note: If you need different sizes or custom specifications, feel free to contact our sales team. We will be happy to provide professional service.

Why Choose Baoji Zecheng Metal Materials Co., Ltd.?

As a leading supplier of titanium alloy fasteners, **Baoji Zecheng Metal Materials Co., Ltd.** is dedicated to delivering high-performance titanium bolt solutions for customers worldwide.

Whether you require standard specifications or custom products, our expert team will work closely with you to provide the most suitable titanium bolts and technical support for your specific applications.

Contact us today for more product information and to request a quote. Let us help you meet your high-performance fastening needs with our premium Grade 5 titanium bolts!