

# Titanium Washers – High Performance, Customizable Solutions

Titanium alloy washers are a common sealing and joining material, widely used in mechanical components to fill gaps and prevent leaks. They also effectively distribute the forces acting on bolts and nuts, protecting joint surfaces from damage. They offer outstanding advantages such as lightweight, high strength, and excellent corrosion resistance.

As a professional titanium fastener manufacturer, Baoji Zecheng Metal Materials Co., Ltd. offers a long-term supply of titanium gaskets in a variety of specifications and provides customized services, ensuring consistent product quality and short lead times to meet the needs of diverse industrial applications.

Item	Description
Material Options	Pure Titanium and Titanium Alloys
Grades	Gr.1, Gr.2, Gr.3, Gr.4, Gr.5, Gr.7, Gr.9, Gr.12
Washer Types	Flat, Spring, Countersunk, Custom Washers
Size Range	Inner: $\phi$ 2mm- $\phi$ 200mm; Outer: $\phi$ 4mm- $\phi$ 300mm
Thickness	0.5mm-20mm
Compliant Standards	ASTM B265 / ASME SB265, ASME B18.22.1 / B18.21.1, DIN 125, ISO 7089, UNI 659
Surface Treatment	Pickling, Polishing, Anodizing, PVD Coating
Color Options	Natural, Black, Blue, Gold, Custom Colors
Thread Size	M3 – M30 (Custom options available)
MOQ	In-stock: 10 pieces, Custom: 100 pieces
Marking	Custom laser logo available
Application Areas	Aerospace, Marine Engineering, Racing, Chemical & Petrochemical
Packaging	Carton, Foam, Moisture-Proof Bags for Safe Transport
Trade Terms	FOB, CIF, and other international trade terms
Certifications	ISO 9001, AS9100

## Installation and Usage Recommendations:

- Flat Washers: Typically placed beneath nuts or bolts to distribute loads evenly and protect connection surfaces.
- Spring Washers: Used in combination with flat washers to prevent loosening, ideal for vibration-prone environments.
- Proper Torque: Always follow recommended torque values for installation to ensure secure and reliable connections.
- Corrosion Resistance: Suitable for use in marine, high-temperature, or chemically corrosive environments without additional protection.

## Why Choose Us for Your Titanium Washer Needs?

- Always in Stock: We keep regular sizes in stock for fast delivery.
- Low MOQ: Order as few as 10 pieces for in-stock models, or 100 pieces for custom specifications.
- Customization: Tailored sizes, thicknesses, materials, and colors to meet your exact requirements.

- Strict Quality Control: 100% testing for dimensions, tolerances, surface quality, and mechanical performance.

#### **Frequently Asked Questions (FAQ)**

**Q1: What is the difference between titanium washers and stainless steel washers?**

A: Titanium washers are lighter, stronger, and more corrosion-resistant, making them ideal for aerospace and marine engineering.

**Q2: Can you customize the color of the washers?**

A: Yes, we offer customization via anodizing or PVD coating.

**Q3: Do you accept small batch orders?**

A: Yes, 10 pieces for in-stock models and 100 pieces for custom orders.

**Q4: Are these washers suitable for high-vibration environments?**

A: Absolutely! When paired with spring washers, they provide excellent anti-loosening properties.

**Get Your Titanium Washers Today!**

At Baoji Zecheng Metal Materials Co., Ltd., we are committed to providing the highest quality titanium alloy washers for your needs. Contact us today for more information or to place your order.

Baoji Zecheng Metal Materials