

Titanium Rectangular Tubes

As a leading global manufacturer of titanium products, Baoji Zecheng Metal Materials Co., Ltd. is committed to providing high-strength, corrosion-resistant, and lightweight titanium rectangular and square tubes. Rectangular tubes, with their superior bending resistance, are suitable for heavy loads, especially excelling in structural applications. Square tubes, on the other hand, with their excellent torsional resistance, are ideal for precision manufacturing and high-end medical equipment. Whether you require high-strength support or high-precision design, we can provide customized solutions to meet various industrial needs.

Titanium Rectangular Tube Specifications: Grades, Sizes, and Customization Options

Feature	Details
Common Grades	Gr1, Gr2, Gr3, Gr7, Gr9, Gr12, Gr5
Cross-Section Shape	Seamless Tube, Welded Tube
Shape & Size	Shapes: Rectangular Tube, Square Tube Diameter: 6mm - 110mm Wall Thickness: 0.5mm - 20mm Custom sizes available (standard length: 1-6m, can exceed 6m)
Manufacturing Process	Hot Rolling, Cold Rolling
Standards	GB/T 3624, GB/T 3625, ASTM B338, ASTM B337, ASTM B861, etc.
Condition	Annealed
Surface Treatment	Black, Mechanical Polishing, Sandblasting, Pickling, etc.
Penetration Testing	100% Penetration Testing for welded tubes
Inspection Items	Chemical Composition, Dimensions, Tensile Properties, Nondestructive Testing, Visual Quality

What to Consider When Purchasing Titanium Tubes

1. Clarify Your Requirements: Be sure to specify material grade, size, condition (such as annealed), standards, and any special requirements.
2. Choose a Reputable Supplier: Ensure you work with a trusted supplier and request relevant quality certificates (such as material reports).
3. Distinguish Between Seamless and Welded Tubes: Understand the differences and select the

right type based on your application, especially if pressure-bearing is a concern.

Frequently Asked Questions (FAQ)

1. What's the main difference between titanium tubes?

Titanium rectangular tubes are typically used for structural applications that require heavy load-bearing capabilities, such as in construction and aerospace. Titanium square tubes, on the other hand, are preferred for precision manufacturing and medical devices, particularly in applications that require high precision and strength.

2. How do titanium rectangular and square tubes perform in terms of corrosion resistance?

Titanium is renowned for its excellent corrosion resistance, capable of withstanding harsh environments such as seawater, strong acids, and strong alkalis. This makes both rectangular and square titanium tubes widely applicable in chemical industries, marine engineering, and medical fields.

3. Do you offer customization services?

Yes, we provide customization options for size, wall thickness, length, and surface treatments. Whatever your specific needs may be, we can tailor the titanium tubes to meet your exact requirements.

4. What standards do your titanium tubes comply with?

Our titanium rectangular and square tubes comply with international standards such as ASTM B338 and ASTM B861. They are produced under the ISO9001 and AS9100 quality management systems, ensuring consistent and reliable product quality.

5. What is your typical delivery time for titanium tubes?

Our standard delivery time is 7-15 business days, depending on the order size and specifications. For urgent orders, we offer expedited services.

Why Choose Us for Your Titanium Tubes?

As a trusted manufacturer of titanium products, Baoji Zecheng Metal Materials Co., Ltd. is committed to providing superior quality, customized solutions, and excellent customer service. Whether you are looking for robust support in structural applications or precise design for medical equipment, we deliver the best titanium tubes to suit your needs.

For inquiries or to place an order, [contact us today](#).