

## Grade 12 Titanium bar

Our company offers a wide selection of **Grade 12 Titanium Alloy Bar**, available at competitive factory prices. We welcome your inquiries and can provide a **Grade 12 Titanium Bar free sample** to help you assess the quality before making a bulk purchase

### Grade 12 Titanium Bar Product Introduction

Our company offers a wide range of **Grade 12 titanium rods**, produced with the highest quality standards. This alloy (Ti-0.3Mo-0.8Ni) is widely known for its corrosion resistance, especially in harsh environments such as seawater and aggressive chemical processes. Grade 12 titanium is a go-to choice for applications that require both strength and high resistance to chemical corrosion, such as in the chemical, marine, and shipbuilding industries.

Whether you're looking to **buy discount Grade 12 Titanium Bar** or need specialized sizes, we offer flexibility to match your needs.

### Grade 12 Titanium Rods Features:

**Corrosion Resistance:** Grade 12 titanium alloy, enriched with molybdenum and nickel, provides excellent resistance to crevice corrosion, especially in low pH chloride environments.

**Medium Strength:** Although not as strong as Grade 5, Grade 12 offers optimal balance between strength and corrosion resistance, making it ideal for many industrial applications.

**Weldability:** The alloy maintains its strength even after welding, ensuring long-lasting structural integrity.

### Ti-0.3Mo-0.8Ni Bar Specifications and Applications

|                     |                                                                                                                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grade               | Grade 12                                                                                                                                                                                                                        |
| Standard            | ASTM B348、ASME SB348                                                                                                                                                                                                            |
| Condition(optional) | Hot working state (R), cold working state (Y), annealing state (M)                                                                                                                                                              |
| Specification       | Diameter or section thickness (mm): $\Phi$ 3mm- $\Phi$ 600mm<br>Length (mm): up to 6 meters, can also be customized.<br>Shape: Grade 12 titanium round bar, Grade 12 titanium square bar, Grade 12 titanium hexagonal bar, etc. |
| Surface treatment   | Pickling or mechanical polishing, sandblasting, electroplating, or other special surface treatments can also be performed according to customer requirements.                                                                   |
| Application         | Heat exchangers<br>Hydrometallurgical applications<br>High-temperature chemical manufacturing<br>Pump and valve industry                                                                                                        |
| Certifications      | ISO 9001, AS9100                                                                                                                                                                                                                |

Customized Service for Gr12 Titanium Bar

✓ **Selected materials** ✓ **Complete specifications**

Customized process:

1. Consult customer service
2. Submit requirements
3. Design quotation
4. Contract confirmation
5. Production and delivery

#### Gr12 Titanium Bar Certificate and Standards

Our Gr12 Titanium Rods are produced in accordance with the highest international standards:

ISO 9001: Certified quality management system ensuring consistent product quality and customer satisfaction.

AS9100: Aerospace-specific quality standard, guaranteeing traceability and reliability for aerospace applications.

ASTM B348 / ASME SB348: Compliance with industry standards for mechanical properties, dimensions, and quality.

#### **Q1: How can I buy discount Grade 12 Titanium Alloy Bar?**

We offer discount Grade 12 Titanium Alloy Bar based on specifications, quantity, and market conditions. Please contact our sales team for detailed pricing information and discounts.

#### **Q2: How do I order a Ti-0.3Mo-0.8Ni Titanium Bar?**

Contact our sales team via phone or email, and we will guide you through the ordering process and provide a detailed quotation.

#### **Q3: What is the corrosion resistance of Grade 12 Titanium Alloy Bar?**

Grade 12 titanium alloy rods exhibit excellent resistance to corrosion, especially in harsh environments such as chlorides and seawater. They are ideal for marine and chemical applications.

#### **Q4: Can I get a free sample of Ti-0.3Mo-0.8Ni Titanium Bar?**

Yes! We can provide a free sample of Ti-0.3Mo-0.8Ni Titanium Bar for you to evaluate its quality before making a purchase. Please contact our sales team for more details.

#### **Q5: What is the lead time for Grade 12 Titanium Alloy Rods?**

Lead time depends on order size and complexity. For standard specifications, we typically complete production and delivery within 15 days. Special specifications can be discussed with our sales team.

#### Contact Information

If you're interested in purchasing Gr12 Titanium Bar, or have any further questions, please don't hesitate to reach out to us:

Tel: [+86 13809172622]

Email: [info@zctitanium.com]

We look forward to working with you!