

Grade 2 Titanium Disc

Material: pure titanium

Diameter: $\phi \geq 100\text{mm}$ (customizable)

Thickness: $\phi \geq 5\text{mm}$ (customizable)

Surface treatment: machining, chamfering

Origin: Baoji, China

Payment method: T/T

China Grade 2 Titanium Disc Manufacturer & Supplier

Gr2 titanium disc is a common titanium alloy forging. The main component is pure titanium, which has excellent corrosion resistance, oxidation resistance, and wear resistance. Its chemical composition is stable, and it has good weldability, machinability, and plasticity.

Features

High purity: It is one of the purest industrial titanium, and its main component is pure titanium.

Excellent corrosion resistance: It has good corrosion resistance and can remain stable in various environments.

Oxidation resistance: It can maintain its performance at high temperatures and is not easy to oxidize.

Wear resistance: It has high wear resistance and is suitable for high-load working environments.

Good weldability and machinability: It is easy to weld and process, suitable for various manufacturing processes

Gr2 Titanium disc Parameters

Chemical composition

Element	Composition
Titanium (Ti)	Balance
Oxygen (O)	Max 0.25%
Iron (Fe)	Max 0.30%
Carbon (C)	Max 0.08%
Nitrogen (N)	Max 0.03%
Hydrogen (H)	Max 0.015%

Mechanical properties

Tensile Strength, min	50ksi	345Mpa
Yield Strength at 0.2% Offset, min	40ksi	275Mpa
Elongation in 4D, min	20%	
Reduction of Area, min	30%	

Physical parameters

Heat treatment Annealing temperature, Cooling method	650-700°C, keep warm for not less than 1h, air cooling
Standards & certifications	ASME SB381、ASTM B381、GB/T 16598、ASTM F67
Packaging	Special export thickened packaging
Transportation	Land transportation, sea transportation, or air transportation, customized according to customer requirements
Condition	Hot processing state (R), annealing state (M)

Gr2 Titanium Disc Application

Chemical industry: Manufacturing of chemical equipment such as reactors and heat exchangers.

Marine engineering: Ship components and seawater desalination equipment.

Medical field: Medical devices such as bone implants and dental implants.

Other fields: Sporting goods, automotive manufacturing, etc.

At Zecheng Metal, every titanium disc we produce strictly adheres to international standards and complies with ISO 9001 and AS9100 quality system requirements.

Utilizing advanced forging technology

32 precision machining equipment

Guaranteed precise dimensions and strict tolerances

Manufactured according to drawings

Providing professional technical support

FAQ

What are your company's packaging and transportation methods for exported titanium discs?

Packaging: Wooden crates are used to prevent damage during transportation.

Transportation: Land, sea, or air transportation can be arranged according to customer requirements.

What is the minimum order quantity for your products?

The minimum order quantity is flexible and variable. Please consult our sales team for specific details, as the MOQ varies for each specification.

Can I get a Grade 2 Titanium Disc Free sample?

Yes. We can provide free samples for eligible projects or long-term cooperation customers.

Ready to purchase Grade 2 titanium discs?

As an experienced Chinese titanium forging manufacturer, Zecheng Metal is committed to providing high-quality, fully traceable titanium products that meet international standards.

Whether you need standard sizes or completely customized titanium discs, our technical team will provide you with quick responses and professional service.