

Customizable Titanium Disc

- Ultrasonic inspection
- Fast delivery time
- Small quantity orders accepted
- Competitive prices available

A Customizable Titanium Disc is a disc-shaped metal product made from high-purity titanium or titanium alloy materials through advanced smelting and forging processes. It is widely recognized for:

Excellent corrosion resistance

High-temperature stability

Wear resistance and long service life

These properties make it ideal for critical applications in aerospace, chemical, and electric power industries.

Product parameters

Processing technology: forging

Surface treatment: lathing, chamfering

Application areas: Vacuum salt production, Seawater desalination, Petrochemical industry, Pharmaceutical equipment, Chlor-alkali industry and other industries.

Quality testing: physical property testing, hardness testing, chemical composition testing, ultrasonic testing, penetrant testing, appearance testing, etc.

Grade	Specification, mm		Standards
GR1、GR2、GR3、GR4、 GR5、GR7、GR11、GR9、 GR12、GR16、GR17、GR23、 GR26、GR27、GR29	Outside diameter	Section height	ASME SB381、ASTM B381、GB/T 16598、 AMS 4928
	φ150-φ300	35-140	
	≥φ300-φ500	35-150	
	≥φ500-φ600	40-110	

1. Materials exceeding the specifications in the table may be supplied through negotiation between the parties.

2. No label can be customized according to customer needs, delivery status is optional: hot machining (H), annealing state (M).

Titanium Disc Application areas:

Pharmaceutical: used to manufacture medical devices and equipment.

Medical: used to manufacture surgical instruments and implants.

Chemical: used for chemical equipment and containers.

Petroleum: used for petrochemical equipment and pipelines.

Aerospace: used to manufacture parts for aircraft and spacecraft.

Manufacturing Process

Zecheng Metal manufactures titanium discs in strict accordance with international standards:

1. Vacuum Melting – Titanium and alloying elements are melted into ingots, typically using 2–3 times VAR melting to ensure chemical homogeneity.
2. Primary Forging – The ingot is forged at high temperature to break down the cast structure.
3. Disc Forming – Through upsetting and drawing processes, the material is repeatedly forged to achieve the disc shape.
4. Final Forging – Precise temperature control is applied to reach the required dimensions and grain structure.
5. Heat Treatment – Annealing or other heat treatments are performed to relieve stress and stabilize properties.
6. Machining – Turning of outer diameter and faces, chamfering, and surface finishing.
7. Inspection & Testing – Dimensional, chemical, mechanical, and NDT inspections before shipment.

Why Choose Zecheng Metal?

Reliable Customizable Titanium Disc manufacturers in China

Tailored solutions to meet specific project requirements

Strict quality control for safety-critical applications

Flexible customization and surface treatments

Can you manufacture non-standard titanium discs?

Yes. We specialize in custom titanium discs and can manufacture according to your drawings or specific technical specifications.

What surface finishes are available?

Standard finishes include precision machining and turning. Sandblasting or other surface treatments can be provided upon request.

Your Reliable Titanium Disc Manufacturer in China

If you are looking for a reliable source of customizable titanium discs, our team is ready to support your next project.