

Grade 7 Titanium Alloy Flange

Sizes Available: DN (10-2000 mm), NPS (1/2-24 in), Outer Diameter (17-2000 mm)

Pressure Ratings: PN2.5-PN160

Materials & Standards: Equivalent to TA9, Grade 7, DIN3.7235, UNS R52400, conforming to ASTM B381, ASME B16.5, and ASME B16.47.

Grade 7 Titanium Flange / Titanium Flange Manufacturer

Gr7 titanium alloy flanges produced by our company are particularly suitable for use in seawater and chloride treatment systems because of their strong corrosion resistance.

In the production and processing process, we have always followed international standards to ensure that the dimensional accuracy and quality of each flange can meet customer requirements.

We strive to meet customers' customized requirements for flanges of non-general sizes and special specifications to ensure that our products can fully match customers' equipment.

Key Features & Benefits

Outstanding Corrosion Resistance

Grade 7 titanium alloy contains palladium, providing exceptional resistance to seawater, chlorides, acids, and chemical media.

High Strength-to-Weight Ratio

You benefit from high mechanical strength with significantly reduced weight, making installation and maintenance easier.

Excellent High-Temperature Performance

These flanges maintain stable mechanical properties in elevated-temperature industrial environments.

Reliable Weldability

Compatible with TIG and MIG welding, ensuring strong, defect-free joints for critical pipeline systems.

Grade 7 Titanium Flange Applications

Chemical industry: Pipeline system connection for various acids, salts, alkalis, and other chemical substances.

Marine engineering: Key corrosion-resistant components such as seawater desalination equipment and ships.

Energy industry: Oil and natural gas pipeline systems in harsh environments.

Grade 7 Titanium Mechanical Properties

- **Density:** 4.43 g/cm³
- **Tensile Strength (min):** 345 MPa
- **Yield Strength (min):** 275 MPa
- **Elongation (4D, min):** 20%
- **Reduction of Area (min):** 30%

ISO9001 AS9100 Titanium Flange Manufacturer

Every Grade 7 Titanium Flange is manufactured under ISO9001 & AS9100 quality systems.

We provide:

Full Mill Test Certificates (MTC)

Mechanical testing reports

Chemical composition analysis

Custom Titanium Flange

We provide extensive customization, including:

Non-standard diameters, thicknesses, and bolt hole patterns.

Special face finishes (e.g., RTJ grooves, large tongue-and-groove).

Heat treatment conditions (annealed, stress-relieved).

Surface treatments like anodizing or marking.

Material certification to specific customer or regional standards.

Titanium Flange Lead Time

Stock items: 7-10 days for processing and packing.

Standard made-to-order: 2-4 weeks.

Customized orders: 4-6 weeks, depending on design complexity.

Expedited production is available for urgent projects.

How can I check your Grade 7 Titanium Flange stock availability?

Our online inventory list is updated regularly for common sizes (DN15-DN600, PN10-PN40). You can inquire via email or our website's live chat for real-time stock status, dimensional drawings, and instant pricing for in-stock items.

Why choose your company to buy Grade 7 Titanium Alloy Flange?

A: As a leading Ti-0.2Pd Flange factory in China, we offer competitive prices, customizable solutions, reliable quality, and global shipping. You can also enjoy buy discount Grade 7 Titanium Alloy Flange options for bulk orders.

Can I buy discount Grade 7 Titanium Alloy Flange without compromising quality?

Yes. As a direct factory, we optimize production efficiency and material sourcing to offer competitive pricing. Our discounts are volume-based and apply to standard specifications from stock. All discounted flanges come with the same full certification and warranty as standard orders.