

ASTM B381 Titanium Flanges - High-Performance Titanium Alloy Flanges for Aerospace, Chemical & Marine Applications

Material: Titanium & Titanium Alloys

Standards: ASTM B381 / ASME SB381, ANSI / ASME B16.5, ASME B16.47

Pressure Ratings:

- American Standard: Class 150, 300, 600, 900, 1500, 2500

- European Standard: PN 20, 50, 68, 110, 150, 260, 420

Size Range: 1/2" - 48" (DN15 - DN1200)

Face Types: RF, FF, FM, M, T&G, RTJ

At Baoji Zecheng Metal Materials Co., Ltd., we manufacture ASTM B381 titanium flanges and high-performance titanium alloy flanges designed to deliver superior corrosion resistance, strength, and durability. Whether you need flanges for aerospace, chemical, marine, or medical applications, our titanium flanges provide reliable performance even under the most demanding conditions.

Titanium Flange Types - ASTM B381 and Titanium Alloy Flanges

Flange Type - Abbreviation

Weld Neck Flange - WN

Long Weld Neck Flange - LWN

Socket Weld Flange - SO

Blind Flange - BL

Slip-On Flange - SW

Threaded Flange - TH

Ring Type Joint Flange - RTJ

Available Titanium Grades - Choose the Right Titanium Alloy Flange for Your Application

Grade - Description - Typical Applications

Grade 2 - Commercially pure titanium, excellent corrosion resistance - Chemical, marine, seawater desalination

Grade 5 (Ti-6Al-4V) - High-strength, lightweight alloy - Aerospace, automotive, high-performance engineering

Grade 7 - Palladium-stabilized, superior corrosion resistance - Chloride and reducing environments

Grade 12 - Good strength, excellent weldability, strong corrosion resistance - Heat exchangers, chemical equipment

Why Choose Our ASTM B381 Titanium Flanges and Titanium Alloy Flanges?

- Experienced Manufacturer: Over 15 years of titanium alloy production expertise.
- Advanced Equipment: Ensures precision forging and machining of every flange.
- Quality Assurance: ISO9001 & AS9100 certified, compliant with international aerospace and industrial standards.
- Global Supply: Fast and reliable delivery to customers worldwide.
- Custom Solutions: We can customize titanium alloy flanges to meet your specific requirements.

Partner with us for durable, lightweight, and corrosion-resistant titanium flanges that support your critical applications in aerospace, chemical, and marine industries.

SEO Keywords: ASTM B381 titanium flange, titanium alloy flange, high-performance titanium flange, aerospace titanium flange, chemical industry titanium flange, marine titanium flange, Grade 5 titanium flange