

Titanium Tee Fittings

Delivery Time:

Standard products typically ship within 7-15 working days

Customized fittings require 15-30 working days based on specifications

Payment Terms: We accept T/T (Bank Transfer)

Packaging method: Wooden box

Inspection items: Dimensional inspection, surface inspection, liquid penetrant testing, ultrasonic testing (UT), radiographic testing (RT), hydrostatic testing

High-Quality Titanium Tee Fittings for Critical Applications

At Baoji Zecheng Metal Materials Co., Ltd., we specialize in providing high-quality titanium tee fittings designed to meet the rigorous demands of industries such as chemical processing, seawater treatment, shipbuilding, and oil and gas. Available in various grades, including Grade 2, Grade 5, and Grade 7, our Titanium Pipe Fittings are manufactured in strict accordance with ASTM B363 / ASME SB363 standards. Whether you need equal or reducing tees, we offer customizable options to fit your exact specifications, with branch angles and leg lengths tailored to your system requirements.

Customizable Titanium Tee Fittings – Tailored to Your Needs

1. Materials Available: CP-Ti (Grade 1, Grade 2), Titanium Alloys (Grade 7, Grade 9, Grade 12)
2. Material Standards: ASTM B363 / ASME SB363, GB, DIN, JIS
3. Size Standard: ASME B16.9, ASME B16.28, MSS-SP-43
4. Dimensions Available: NPS ½" (DN 15 mm) to NPS 48" (DN 1200 mm)
5. Wall Thickness: Sch5S, SCH10S, SCH40S, SCH80 (custom specifications available)
6. Surface Treatments: Sandblasting, Polishing, Pickling
7. Connection Type: Welding (ideal for high pressure and temperature environments)
8. Manufacturing Processes: Forging, Casting, Welding
9. Customizable Options:

Equal tees, reducing tees, and equal four-way tees

Tailored sizes and configurations to meet your system's needs

Chemical Composition of Titanium Alloy Tee Fittings

Grade	Ti	C,max	O,max	N,max	H,max	Fe,max	Al	V	Pa	Mo	Ni
Grade 2	Bal.	0.08	0.25	0.03	0.015	0.30	-	-	-	-	-
Grade 7	Bal.	0.08	0.25	0.03	0.015	0.30	-	-	0.12-0.25	-	-
Grade 9	Bal.	0.08	0.15	0.03	0.015	0.25	2.5-3.5	2.0-3.0	-	-	-
Grade 12	Bal.	0.08	0.25	0.03	0.015	0.30	-	-	-	0.6-0.9	0.2-0.4

Mechanical Properties of Titanium Tee – Strength and Durability

Grade	Tensile Strength,min	Yield Strength(0.2%Offset)	Elongation 2 in.or 50mm
Grade 2	345	275	20
Grade 7	345	275	20
Grade 9	620	483	15
Grade 12	483	345	18

FAQ – Your Titanium Alloy Tee Questions Answered

1. What is the common connection type for titanium tees?

- Welding: Most commonly used for high-pressure, high-temperature environments.
- Threaded Connections: Suitable for smaller diameters and lower pressure applications.
- Flanged Connections: Ideal for systems that require disassembly and maintenance.

2. Titanium vs. Stainless Steel – Which is Better?

- Corrosion Resistance: Titanium generally offers superior corrosion resistance, especially in seawater and chemical environments.
- Weight: Titanium is much lighter than stainless steel, making it a preferred choice for applications with strict weight requirements.
- Cost: Titanium Pipe Fittings are more expensive due to higher material costs and specialized processing techniques.

3. How do I choose the right titanium alloy tee for my application?

- Working Environment: Select the appropriate titanium alloy based on temperature, pressure, and corrosive conditions.
- Pipe Size and Specifications: Ensure the size (NPS or DN) and wall thickness match your system's requirements.
- Application Needs: Consider factors like biocompatibility, high-temperature resistance, and corrosion resistance when selecting materials and specifications.

Why Choose Baoji Zecheng Metal Materials Co., Ltd.?

With decades of expertise in the titanium industry, ZechengMetal ensures the highest quality titanium tees designed to meet your toughest demands. Our products are available for fast delivery, and we offer customized solutions to suit any requirement. Our team is dedicated to delivering precision-engineered, durable, and corrosion-resistant components that enhance your systems' performance.

Contact us today to learn more about how our Titanium Pipe Fittings can benefit your project, or request a quote tailored to your specifications!