

# Slip-On Titanium Flange

If you are looking for a cost-effective and easy-to-install solution for your piping system, a Slip-On Titanium Flange is one of the most reliable choices. Unlike a weld neck flange, you can simply slide the pipe into the bore of the flange and weld it on both the outside and the inside. This design ensures excellent sealing and sufficient strength while keeping the installation process straightforward.

## Technical Specifications

Design Standards	ASME B16.5, ASME B16.47, DIN, EN, JIS, GOST
Pressure Rating	Class 150, 300, 600, 900, 1500
Size Range	1/2" – 48" (DN15 – DN1200)
Material Grades	Titanium Grade 2, Grade 5 (Ti-6Al-4V), Grade 7, Grade 12
Welding Type	Double-sided welding on both the inner and outer sides

## Features and Options

- Application Range: Low-pressure pipelines (common, low cost, easy installation). High-pressure pipelines (short hub or lap joint style for added durability).
- Structure and Types: Most slip-on flanges feature a short hub. Ring-style slip-on flanges without hub are available for space-saving designs.
- Surface Finishes: Machining, anodizing, or customized treatment upon request.
- Corrosion Resistance: Excellent resistance against seawater, chlorides, acids, alkalis, and chemicals.

## Slip-On vs Weld Neck Flange

Feature	Slip-On Flange	Weld Neck Flange
Welding Method	Fillet weld on pipe	Butt weld with reinforced hub
Bottom Design	With or without short hub	Tapered hub for pressure
Pressure Suitability	Low pressure (short hub for high pressure)	Medium to high pressure
Installation	Pipe length adjustable	Fixed once welded

## Key Advantages

- Easy Installation – Less welding required, quicker alignment.
- Cost-Effective – Lower manufacturing cost, excellent value.
- Versatile Use – Ideal for low-pressure and non-critical systems.
- Superior Corrosion Resistance – Titanium resists seawater, chlorides, and harsh chemicals.
- Lightweight with High Strength – Reduces system weight without compromising durability.

## Why Choose Us

At Baoji Zecheng Metal Materials Co., Ltd., we specialize in manufacturing all types of titanium flanges, including slip-on, weld neck, blind, socket weld, and threaded flanges. With ISO9001 and AS9100 certifications, we guarantee strict quality control, competitive pricing, and reliable delivery for global customers.