

Aluminum Pipe Fittings

Aluminium fittings are commonly used in plumbing and piping systems due to their lightweight and corrosion-resistant properties. We Haomei Aluminum are the reliable and the most trusted pipe fitting manufacturer who providing wide range of aluminum pipe fittings of premium quality and are highly durable.

We provide various types of aluminum alloy fittings such as 5083, 5086, 6061, 7075 etc. These fittings are leak proof with life long warranty without compromising with the strength of these fittings. Along with all other qualities, our fittings are highly appreciated for their superior finish with sophisticated and sleek design.

These aluminium pipe fittings are available in different sizes, shapes, thickness and other dimensions as per allotted by our prestigious clients. We have a well stocked supply of flanges, elbows, tees, reducers and pipe end caps as well as a large selection for a wide variety of customer requirements.

Aluminium Pipe Fittings Product:

Grade	6063, 6061T6/T651, 6082 T6/T651, 5052, 5083, 5086, 7075, 1100, 2014, 2024
Type	Seamless/Welded
Bending Radius	R=1D, 2D, 3D, 5D, 6D, 8D, 10D or Custom
Size Range	½"NB to 48"NB in Sch 10s, 40s, 80s, 160s, XXS.
Dimensions	ANSI/ASME B16.9, B16.28, MSS-SP-43.
Standards	ASTM B361 ASME SB361 ASTM B241 ASME SB 241

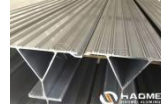
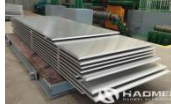
Specifications	Aluminium
Dimension	ASME/ ANSI B16.9 ASME B16.28 MSS-SP-43 BS1560 BS4504 BS10
Grade	6063, 6082 T6/ T651, 6061T6/ T651, 5083, 5052, 5086, 1100, 2024, 7075, 2014
Size Ranges	½" NB to 24" NB in Schedule 10s, 40s, 80s, 160s, XXS.
Bending Radius	Radius=1 D, 2D, 3 D, 5D, 6D, 8 D, 10D or Custom
Types	Welded Seamless Fabricated
Process of Manufacturing	Push, Press, Cast, Forge.

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Thickness of Fitting	SCH10, SCH 20, SCH30, STD SCH40, SCH80, SCH60, XS, SCH100, SCH 120, SCH140, SCH 160, XXS available with NACE MR 01-75
Size Range	Seamless Butt-Weld Fitting: From 1/2" - 10" Welded ButtWeld Fitting: From 1/2" - 48"

Types of Aluminum Pipe Fittings:

Designs	Types
Flanges	Slip On, Blind, Plate, Weld Neck, Threaded, Socked Weld, Lap Joint
Elbows	45, 90, 180 Deg, Long & Short Radius
Tees	Equal & Unequal
Reducers	Concentric & Eccentric
Pipe End Caps	Different Size and Shapes

Characteristics of the Aluminum Pipe Fittings:

- Wide Selection: We offer one of the widest selections of aluminum pipe fittings , providing customers with a diverse range of options to meet their specific needs.
- High Quality: The aluminum pipe fittings provided by us are of superior quality, ensuring durability and long-lasting performance.
- Easy Installation: The aluminum pipe fittings are designed for easy installation. Their lightweight nature and user-friendly design make them quick and convenient to install, reducing labor costs and saving time during system setup or modifications.
- Durability: Aluminum fittings are known for their durability. They can withstand high pressures and temperature variations, ensuring long-lasting performance and minimizing the need for frequent replacements or repairs.
- Low Maintenance: The corrosion-resistant properties of aluminum fittings make them low maintenance. They require minimal upkeep and are less prone to rust or degradation, resulting in reduced maintenance costs and downtime.

Application of Aluminum Pipe Fittings in Shipbuilding:

Aluminum pipe fittings are used in several critical systems in the shipbuilding industry due to their lightweight, corrosion-resistant, and high-strength properties.

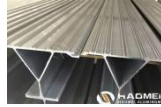
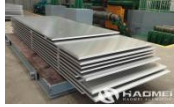
Application areas include:

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1. Fuel delivery systems: aluminum fittings are used to connect fuel lines to ensure tightness and corrosion resistance.
2. Cooling systems: aluminum fittings may be used for cooling pipes in marine engines and equipment, as they require good thermal conductivity and corrosion resistance.
3. Hydraulic systems: high-pressure hydraulic piping may require high-strength aluminum fittings, such as the butt-welded fittings mentioned on page .
4. Seawater treatment systems: such as desalination or ballast water systems, aluminum fittings are resistant to seawater corrosion and are suitable for long-term use.
5. Structural support: some aluminum fittings may be used in ship structures or support frames, taking advantage of the lightweight and high strength properties of aluminum.

