联泰法兰 LIANTAIFALAN

Flange & Forging & Pipe fittings

Dingxiang Liantai Flange Co., Ltd.

PROFESSIONAL SUPPLIER OF FLANGE FITTINGS

Dingxiang Liantai Flange Co., Ltd.

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WHY CHOOSE US

Focus on
technological innovation
and high-quality product manufacturing

2012 Years

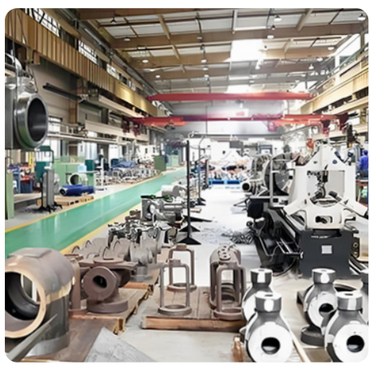
With decades of
forging experience

60 + Factories

Cooperating Factories

Dingxiang Liantai Flange Co., Ltd. was established in 2012 and is a professional manufacturer and operator of forging products.

The company has 230 employees, including 15 senior and 26 intermediate technical professionals, 110 technical staff, and 110 employees with college or higher education. The team covers product development, production management, quality control, and international market expansion. Since 2016, the company has invested in high-end talent and focuses on innovation to improve production processes and product performance, offering cost-effective forging solutions to customers.



60 Acres

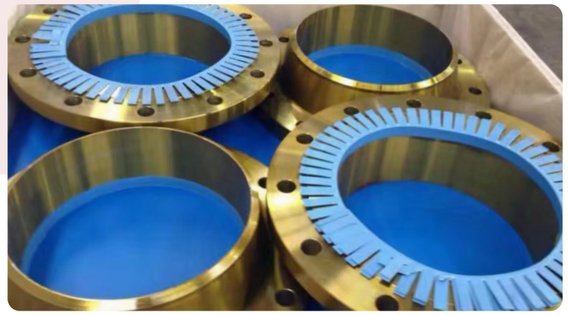
Total Factory Area

50,000 + Tons

Annual Production Capacity

Looking ahead, Dingxiang Liantai Flange Co., Ltd. aims to become a global leader in flange and mechanical parts manufacturing, with a focus on innovation, integrity, and quality.

The company will further expand into international markets, enhance its R&D capabilities, and improve product services to provide top-notch forging solutions for the global engineering and manufacturing industries.

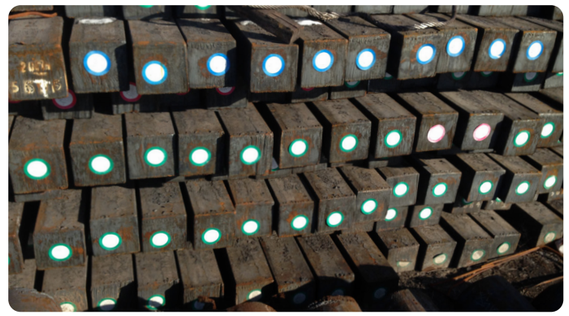


1. Committed to environmental protection and sustainability, the company follows strict environmental standards, adopts advanced technologies to reduce energy consumption and emissions, and promotes green production.

2. Focused on employee welfare, providing a safe, healthy work environment, fair treatment, and career development opportunities, fostering a vibrant and cohesive team.

3. Actively involved in social welfare, supporting education, poverty alleviation, and disaster relief, while encouraging employees to participate in public welfare activities.

4. Promoting a responsible supply chain by ensuring suppliers meet high standards in quality, environmental protection, and sustainability, and building long-term, mutually beneficial relationships with suppliers and customers to promote industry development.

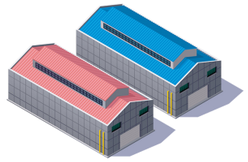


The company strictly enforces every production process to ensure high standards and precision from design to delivery.

The company has obtained multiple international management system certifications such as ISO9001, ISO14001, and OHSAS18001, and holds a special equipment manufacturing license issued by the General Administration of Quality Supervision, Inspection and Quarantine of China, demonstrating its competitive strength in technology and quality assurance.

HONORARY CERTIFICATE

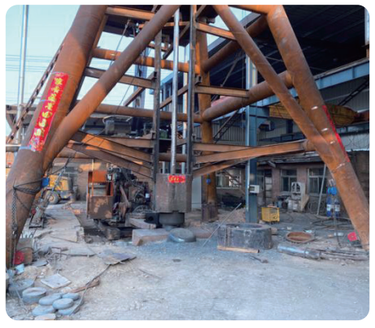
As a professional forging company, the company is equipped with advanced production equipment and modern standardized workshops, including CNC machines, large forging equipment, heat treatment furnaces, and other advanced production facilities, capable of meeting the mass production needs for various specifications of flanges, mechanical shafts, high-alloy modules, and other large mechanical components.



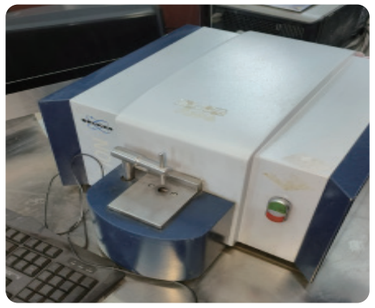
FACTORY

At the same time, the company has a complete testing system, including ultrasonic testing, magnetic particle testing, hardness testing, and other precision equipment, ensuring that products meet international standards for strength, corrosion resistance, and other aspects.

Production Equipment



Testing Equipment



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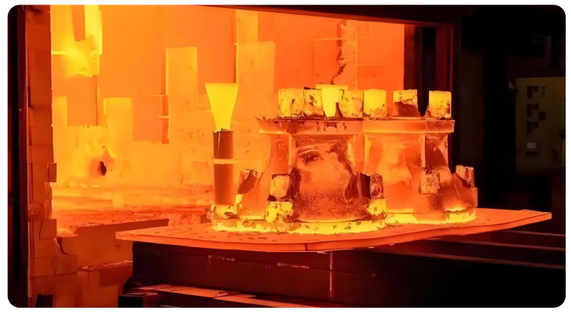
"Flange Manufacturing Process: From Billet to Finished Product"

Our workers select the appropriate steel billet based on the flange dimensions and use cutting equipment, such as a band saw, to cut the billet to a rough size. The billet is then heated to a temperature range of 1000-1200° C. Workers use tools like air hammers or electric-hydraulic hammers to perform operations such as upsetting and elongating to adjust the flange dimensions. For flanges with holes, punching is also done. If it's a die forging, the heated billet is placed into a pre-made mold and shaped by applying pressure through a press, resulting in higher dimensional accuracy.



After forging, excess burrs are removed using cutting equipment, and precise punching is performed for flanges with holes. The flanges are then heat-treated, such as normalizing or tempering, to improve mechanical properties. Finally, machining is done on the sealing surface and bolt holes to ensure the required dimensions and precision.

01

Production Technology

02

"Flange Manufacturing Process via Casting"

Workers first create the casting mold. For sand casting, a sand mold is made, including the top and bottom sand boxes, with a cavity for the flange. For metal mold casting, a metal mold is first processed. Selected metal materials (such as cast iron or cast steel) are melted in a furnace, with temperature and chemical composition carefully controlled.
The molten metal is then carefully poured into the mold, with attention to pouring speed and method to avoid defects like porosity and slag inclusion. After the molten metal cools and solidifies in the mold, the mold is opened to remove the flange casting. For sand casting, the sand mold is broken, while in metal mold casting, the casting is directly removed. The surface of the flange casting is cleaned of sand and burrs, followed by machining, such as processing the sealing surface and bolt holes, to meet the finished product requirements.

For flame-cutting flanges, workers first cut the approximate shape of the flange from a middle plate using methods such as flame cutting or plasma cutting, leaving a certain machining allowance. The rough flange is then processed on machine tools to create bolt holes, water lines, etc., through operations like drilling on a drilling machine and turning water lines on a lathe, ensuring the flange meets finished product standards.
For rolled flanges, workers first cut the middle plate into strips of the appropriate width, then use a plate rolling machine to roll the strips into a circular shape, carefully controlling the roundness during the rolling process. Finally, machining operations such as creating bolt holes and water lines are carried out to complete the production of the rolled flange.

"Cutting Flanges and Rolled Flanges"

03

Application Industries

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Production Process

Raw Material Procurement and Inspection

Heating and Forging

Heat Treatment

Surface Treatment

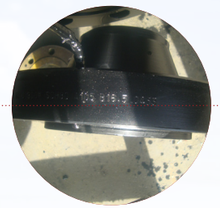
Packaging and Shipping

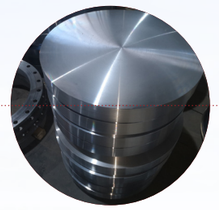
Cutting and Blank Preparation

Rough Machining

Fine Machining

Quality Inspection





With excellent product quality and flexible services, Dingxiang Liantai Flange's products are exported to the United States, the European Union, Africa, Southeast Asia, and other regions, gradually covering the global market.

Meanwhile, the company also provides supporting products for large and medium-sized domestic enterprises and key projects, establishing a good reputation among customers through long-term cooperation.

Cooperation Process

The company's products include high, medium, and low-pressure flanges, gears, mechanical shafts, rollers, high-alloy modules, etc., which are widely used in industries such as petroleum, chemical, power, shipbuilding, construction, and mining.

Product Catalog

Forgings

Wheel Forgings

Shaft Forgings

Forgings

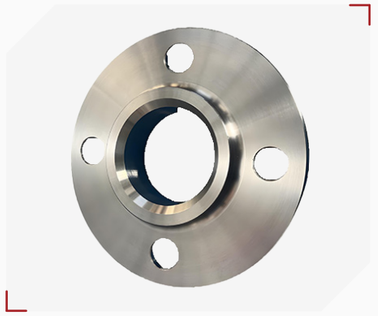
Pipe Fittings

Elbow

Four-way

Tee

Flange

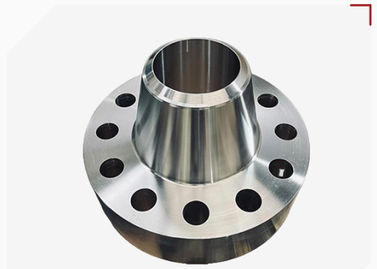


Slip-on Welding Flange With Neck

Tube Sheet Flange

Blind Flange

ANSI Flange / ASME Flange

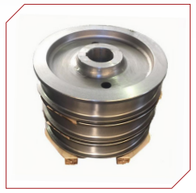


High Pressure Flange

Weld Neck Flange

------- Feel free to contact us with your requirements, and we will provide you with a detailed quote.

Wheel Forgings



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Wheel forgings are wheel parts processed by forging technology. Wheel forgings can withstand large impacts and alternating stresses during operation, providing a strong guarantee for the stable operation of mechanical equipment.

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Shaft Forgings

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Shaft forgings refer to shaft-shaped metal workpieces processed by forging technology. They are mainly used to support transmission parts, transmit torque and bear loads. Shaft forgings are rotating body forgings. Their main feature is that the length dimension is greater than the diameter dimension. They are generally composed of the outer cylindrical surface, conical surface, inner hole and thread of the concentric shaft and the corresponding end face.

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Forgings

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The metal blank is heated and the plasticity of the metal is used to apply external force to the metal blank to cause it to undergo plastic deformation, change size, shape, and improve performance, so as to manufacture various mechanical parts, workpieces, tools, etc.

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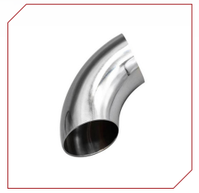
Elbow



Feel free to contact us with your requirements, and we will provide you with a detailed quote. -------

Elbow is a pipe fitting used in piping systems, mainly used to change the direction of the pipe. It is usually installed on the pipe by welding, threaded connection or flange connection. It is used to adjust the direction of the pipe. Common angles are 45° , 90° , 180° , and special angles can be customized (such as 60° , 120°).

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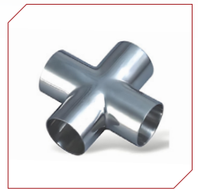
Four-way



------- *Feel free to contact us with your requirements, and we will provide you with a detailed quote.*

A cross is a pipe connector with four interfaces, mainly used to connect four pipes together to achieve fluid diversion, confluence or change of flow direction. It can connect four pipes at the same time to achieve fluid transportation in different directions.

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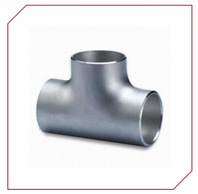
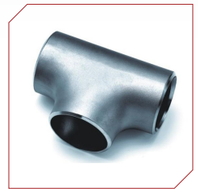
Tee





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Tee is a common pipe connector with three interfaces, which is used to split, merge or change the flow direction in the pipe system. It is widely used in water supply and drainage, petroleum, natural gas, chemical industry, fire protection, heating and ventilation (HVAC) and other industries.

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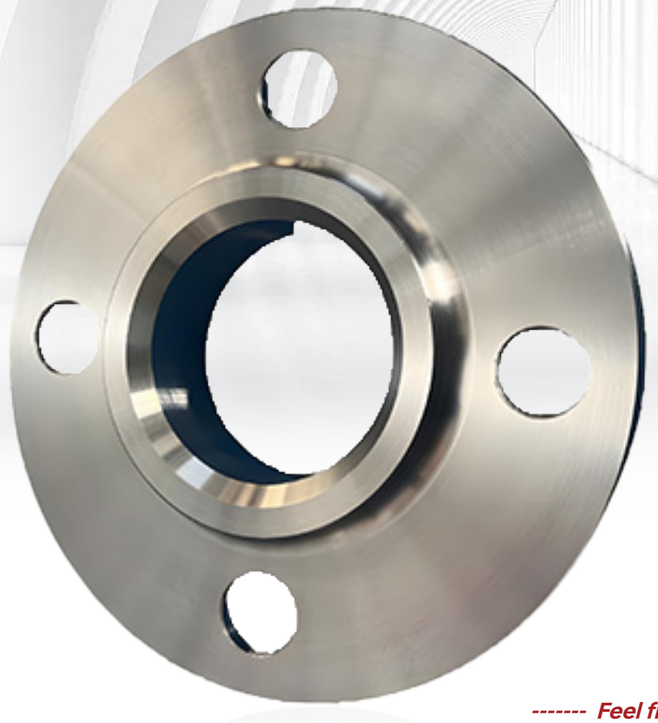
Slip-on Welding Flange With Neck



------- Feel free to contact us with your requirements, and we will provide you with a detailed quote.

Slip-On Welding Flange with Neck is a flange connection, which is characterized by adding a short neck on the basis of the flat welding flange, used to connect pipes and equipment, providing a certain strength and rigidity. The short neck can reduce stress concentration and improve the strength and stability of the connection.

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Tube Sheet Flange

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Tube Sheet Flange is a special type of flange, mainly used in heat exchangers, pressure vessels, boilers and other equipment, to fix the tube bundle and seal the pipeline. It is usually welded to the heat exchanger shell or pipeline to provide support for the tube bundle, and fix the heat exchange tube through the hole, so that the fluid flows in different pipelines to achieve heat exchange or fluid transportation.

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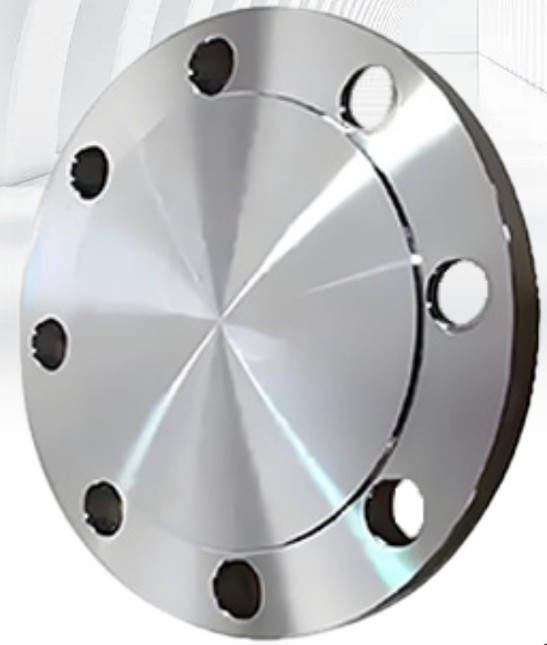
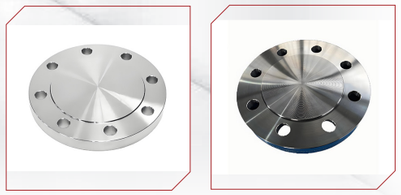
Blind Flange





------- Feel free to contact us with your requirements, and we will provide you with a detailed quote.

Blind flanges have the same functions of isolation and cutting as heads and pipe caps. Due to their good sealing performance, they are generally used as a reliable isolation method for systems that require complete isolation.

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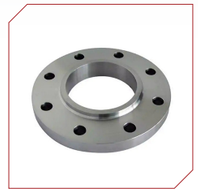
ANSI Flange / ASME Flange



Feel free to contact us with your requirements, and we will provide you with a detailed quote. -------

ANSI Flange / ASME Flange refers to flanges produced according to ANSI (American National Standards Institute) or ASME (American Society of Mechanical Engineers) standards. The nominal pipe diameter, flange size, bolt hole spacing, etc. of ANSI flanges are strictly in accordance with ASME/ANSI regulations to ensure global applicability.

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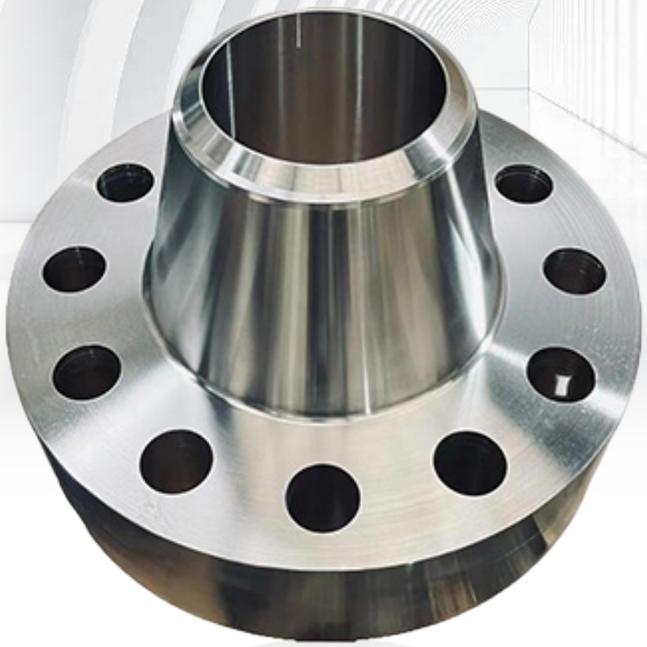
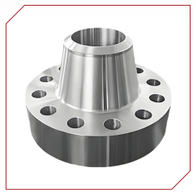
High Pressure Flange





------- Feel free to contact us with your requirements, and we will provide you with a detailed quote.

High-pressure flange is a connection component used in high-pressure pipeline systems. It is mainly used to connect pipelines, valves, pumps and other equipment to ensure the sealing and stability of the pipeline system. It is usually made of high-strength materials (such as carbon steel, stainless steel, alloy steel, etc.) and can withstand high pressure, high temperature and corrosive media.

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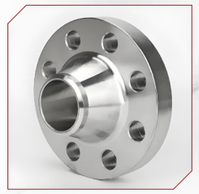
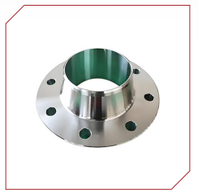
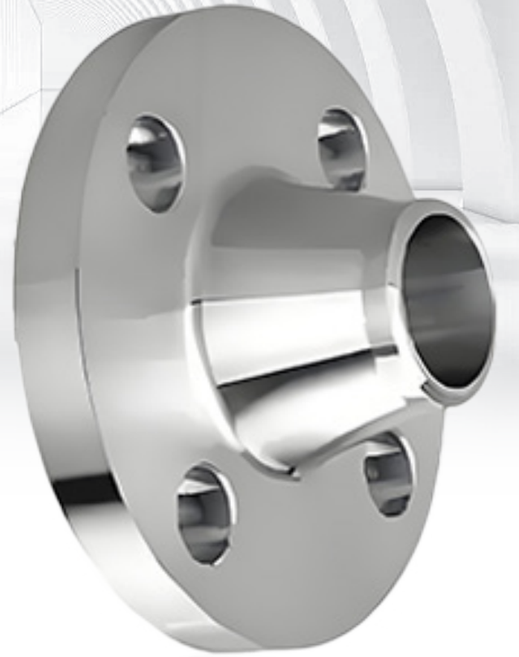
Weld Neck Flange







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Weld Neck Flange is a high-strength, high-sealing flange with a long tapered neck that is connected to the pipe by butt welding. It can effectively reduce stress concentration and is suitable for high-temperature, high-pressure, and corrosive medium pipeline systems.

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