



JIUZHOU METAL

Quality First & Dedicated Service

STAINLESS STEEL

- Stainless Steel Plate
- Stainless Steel Coil
- Stainless Steel Pipe
- Stainless Steel Bar
- Stainless Steel Wire Rod
- Stainless Steel Pipe Fittings

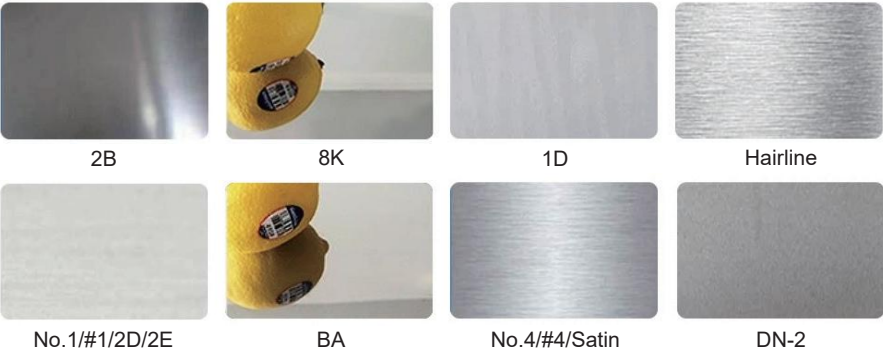


JIUZHOU METAL PRODUCTS (SHANDONG) CO., LTD.
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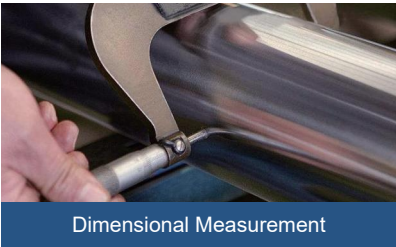
COMMON MATERIALS

Austenitic Stainless Steel	201/202/301/302/303/304/304L/305/309S/310S/316 316L/316Ti/317/317L/321/330/347 etc.
Ferritic Stainless Steel	405/409/430/434/444 etc.
Martensitic Stainless Steel	403/410/416/420/440A etc.
Duplex Stainless Steel	329/2205/2304/2507/2750 etc.
Standard	ISO 15510:2010, ASTM A240/A240M, JIS G4304/G4305, EN 10088-2, etc.
Certificate	SGS, BV, TUV, V-Trust, etc.

STAINLESS STEEL SURFACE



STAINLESS STEEL PRODUCTION & TESTING



PROPERTIES OF STAINLESS STEEL

Yield Strength

Depending on the grade, stainless may exhibit high strength and low elongation or low strength and high elongation properties. They compare very well to carbon steels when it comes to yield strength.

Strength at High Temperatures

Stainless steel performs comparatively better than other carbon steels at higher temperatures. It shows better fire resistance due to its high strength retention factor at elevated temperatures (above 500°C). It also has better stiffness retention factor than carbon steel above 300°C.

Tensile Strength

When it comes to tensile strength, stainless steel is superior to materials like aluminium, brass, and mild steel. The highest tensile strength is seen in precipitation hardening and martensitic grades. These grades can have tensile strengths that are twice as much as the ubiquitous 304 and 316 grades. Duplex steel, in particular, has a high strength/ductility ratio.

Cryogenic Resistance

Some stainless steel grades are extremely adept at handling a wider range of temperatures. Austenitic steels display exceptional toughness and increased tensile strength at sub-zero temperatures. This widens the scope of their usage considerably opening up new avenues for modern applications.

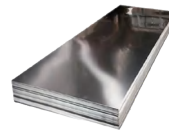
Ductility

The ductility of different stainless steel grades can be significantly different. Some grades have high ductility allowing the use of strenuous deep drawing processes.

Stainless Steel Plate



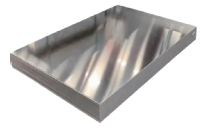
Thickness		Width		Length	
mm	inch	mm	inch	m	inch
0.3-150	0.011-5.9	6-3048	0.23-120	1-12	39-472
Here are normal size and material, special requirements please contact us					
Standard	ASTM A240M / A666, AMS 5513, etc.				



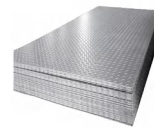
Plate



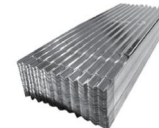
Sheet



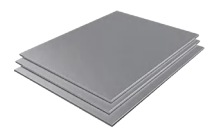
Hot Rolled



Checkered Plate



Corrugated Sheet



Cold Rolled

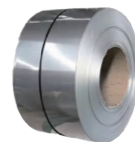
PRODUCT APPLICATION

Stainless steel sheet/plate is versatile and used in a variety of applications. It is primarily selected for its resistance to corrosion, longevity and formability. Typical uses of stainless steel sheet/plate include, construction, food service applications, transportation, chemical, marine, and textile industries.

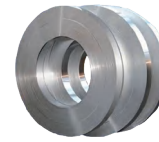
Stainless Steel Coil



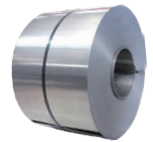
Thickness		Width		Coil ID	
mm	inch	mm	inch	mm	inch
0.1-16	0.003-0.62	100-2000	3.93-78	508/610	20/24
Here are normal size and material, special requirements please contact us					
Standard	ASTM A240M / 480M etc.				



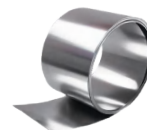
Coil



Strip



Hot Rolled



Foil



Checkered Coil



Cold Rolled

PRODUCT APPLICATION

The stainless steel coil is used in a wide range of industries, such as manufacturing, construction, food processing, transportation, and others. It can be further processed into different forms, such as sheets, strips, and plates, which can be used for different applications.

Stainless Steel Pipe



Out Diameter		Wall Thickness		Length	
mm	inch	mm	inch	m	inch
10-800	0.39-31.4	0.3-50	0.01-1.96	1-12	39-472

Here are normal size and material, special requirements please contact us

Standard	ASTM A312M / A358M / A790M etc.
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Seamless Pipe



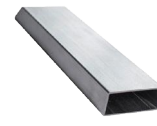
Welded Pipe



Round Tube



Square Tube



Rectangular Tube



Hexagonal Tube

PRODUCT APPLICATION

Stainless steel pipe is a kind of hollow and longitude steel, economic steel section is round shape. Stainless steel pipe and tube has been widely used in oil, chemical industry, medical, food, light industry, equipment and apparatus and structural parts etc.

Stainless Steel Bar



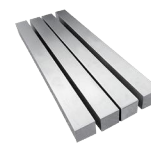
Diameter		Flat Steel Width		Length	
mm	inch	mm	inch	m	inch
3-70	0.11-2.75	20-100	0.78-3.93	1-20	39-787

Here are normal size and material, special requirements please contact us

Standard	ASTM A276 / A479 / A388, EN 10308, etc.
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Round Bar



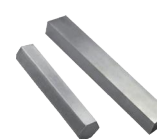
Square Bar



Hexagonal Bar



Flat Steel



Cold Rolled



Hot Rolled

PRODUCT APPLICATION

Stainless steel rods are highly valued due to their beneficial properties like greater performance in high-temperature conditions, superior resistance from corrosive chemicals and other abrasive fluids, high durability, and strength for long service life, and a high level of hygiene, which makes them suitable for food industries.

Stainless Steel Wire Rod



General Application		Welding Grade Application	
Diameter(mm)	Diameter(inch)	Diameter(mm)	Diameter(inch)
5.5-38	0.21-1.49	5.5-15	0.21-0.59
Here are normal size and material, special requirements please contact us			
Tolerance	+/- 0.05 mm	Ovality	≤0.2mm
Surface Finish	Mill & Bright	Coil Weight	As Request
Surface Defect	1% of Diameter Maximum		
Supply Condition	Hot Rolled, Annealed, Pickled(with or without coating)		



PRODUCT APPLICATION

Our wires are used in the manufacturing of fastening systems like rivets, fasteners, pins, screws, bolts and washers. Our wires offer superior metallurgical consistency which ensures peak performance under demanding conditions of heat & pressure.

Stainless Steel Pipe Fitting



Types of Pipe Fitting	Flange, Tee & Cross, Elbow, Bend, Reducing Pipe, Couplings, Caps, etc.
Flange Type	Weld Neck Flange, Slip On Flange Blind Flange, Socket Weld Flange Threaded Flange, Reducing Flanges, etc.
Elbow Type	30°/45°/60°/90°/180° etc.
Dimensions	½" - 216 " / DN 10-DN 5500
Pressure Class	150 LB-2500 LB / PN 6-PN 400
Specification	ASTM A182/A403, ASME SA182/SA403

Here are normal size and material, special requirements please contact us



Flange



Tee



Elbow



Reducing Pipe

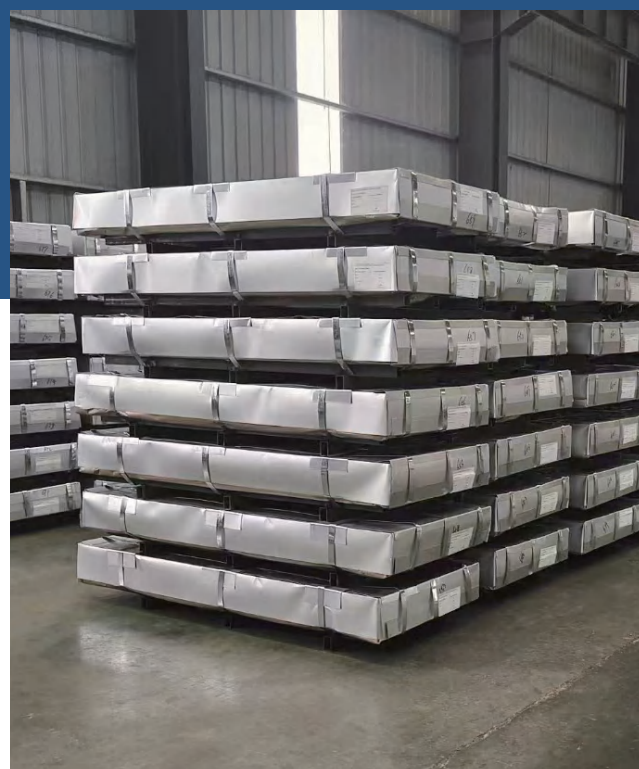
PRODUCT APPLICATION

Stainless steel fittings has corrosion resistance, durability, hygiene, and aesthetics. Whether in the oil and gas, chemical processing, or food and beverage industry, stainless steel pipe fittings are reliable and efficient components that ensure the smooth functioning of pipelines.



PRODUCT PACKAGING

Standard Export Seaworthy Package (Waterproof paper, and steel strip packed). Suit for all kinds of transport, or as required. Every cartons loaded with good shoring and strengthening. Use 6m loaded by 20ft container, 12m loaded by 40ft container. We will take container loading pictures and seal the container. Transportation speed is quick. And keep customer eachstep informed.



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