



Wuxi SDO stainless steel Co., Ltd

316Ti Corrosion Resistant Stainless Steel Sheet



The new grade of 316Ti stainless steel sheet is 06Cr17Ni12Mo2Ti. 316Ti is to add Ti to SUS316 steel to improve the resistance to intergranular corrosion. 316Ti corrosion-resistant stainless steel sheet is widely used in chemical, food, medicine, paper, petroleum, atomic energy and other industries, as well as various parts and components such as construction, kitchenware, tableware, vehicles, and household appliances. In order to ensure that the yield strength, tensile strength, elongation and hardness of various stainless steel plates meet the requirements, our 316Ti stainless steel plates must undergo annealing, solution treatment, aging treatment and other heat treatments before delivery. Wuxi SDO [stainless steel factory](#) can provide various stainless steel products to meet your needs.

316Ti Stainless Steel Sheet Specification

Item	Stainless Steel 316ti sheet (Hot rolled, Cold rolled)
Thickness	0.3~10.0mm

Width	1000mm, 1219mm, 1500mm, 1800mm, 2000mm, 2500mm, 3000mm, 3500mm, etc
Length	2000mm, 2440mm, 3000mm, 5800mm, 6000mm, etc
Standard	JIS, AISI, ASTM, GB, DIN, EN, etc
Surface	2B, 2D, BA, NO.1, NO.4, NO.8, 8K, mirror, checkered, embossed, hair line, sand blast, Brush, etching, etc
Package	Shrink-wrapped, Carton boxes, Wooden pallets, Wooden boxes, Wooden crates Etc.
Export to	India, Indonesia, Malaysia, Singapore, Saudi Arabia, Qatar, UAE, Iran, Iraq, Oman, South Africa, Nigeria, Kenya, Italy, UK, Brazil, Russia, Egypt, Kuwait, Taiwan, Australia.
Edge	Mill Edge Slit Edge

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Features And Practical Use

Chemical Components			Specification	Key Features	Typical Application
element	Minimum percentage	Maximum percentage	ASTM A240	The corrosion resistance at higher temperatures is better than that of 316 stainless steel.	Chemical processing. spring. fastener. Threaded insert. Metal mesh
C	–	0.08	ISO 15156-3 (NACE MR0175)		
Si	–	1	BS EN 10088-3		
Mn	–	2			
P	–	0.045			
S	–	0.03			
Cr	16.5	18.5			
Mo	2	2.5			

Ni	10.5	13.5		
Ti	5 x C	0.7		
Fe	bal			
Density	7.9 g/cm ³		0.285 lb/in ³	
Melting point	1375°C		2500°F	
Coefficient of expansion	16.5 µm/m °C (21 – 100°C)		9.110 x 10 ⁻⁶ in/in °F (70 – 212°F)	
Rigid modulus	74 kN/mm ²		10730 ksi	
Modulus of elasticity	193 kN/mm ²		27990 ksi	

Processing Service Of Our 316Ti Stainless Steel Sheet

- **Cutting+Slitting - 316Ti stainless steel narrow strip, special**

length/width plate

(1) Flame cutting: The cost of flame cutting equipment is low and it is the only economical and effective means to cut thick metal plates, but it has its shortcomings in thin plate cutting.

(2) Laser cutting: Laser cutting equipment can cut stainless steel plates below 30mm. Adding oxygen to the laser beam can cut 40mm thick carbon steel, but after oxygen cutting, a thin oxide film will be formed on the cutting surface.

Wire cutting: It is developed on the basis of EDM perforation and forming. It has not only

(3) developed the application of EDM, but also replaced EDM perforation and forming in some aspects.

(4) Shearing cutting: Uses a moving upper blade and a fixed lower blade and uses a reasonable blade gap to apply shearing force to metal plates of various stainless steel gauge thickness so that the plates can be broken and separated according to the required size. Shearing machine is a kind of forging machinery, and its main function is the metal processing industry.

(5) Plasma cutting: It is a processing method that uses the heat of a high-temperature plasma arc to partially or partially melt (and evaporate) the metal at the incision of the workpiece and uses the momentum of the high-speed plasma to remove the molten metal to form an incision.

(6) Slitting: Also known as slitting, refers to the process of uncoiling, slitting, leveling, and winding of stainless steel coils into coils of the required width.

- **Surface processing - 8K mirror, HL hairline, color coating**
- **Bending+Welding - OEM customized products as drawing**

Application of 316Ti Corrosion Resistant Stainless Steel Sheet

√	316ti Stainless Steel sheet Used in Kitchen appliances
√	316ti Stainless Steel sheet Used in marine applications
√	316ti Stainless Steel sheet Used in hydrogen fuel cells
√	316ti Stainless Steel sheet Used in Chemical equipment

316Ti Stainless Steel Sheet Processing

- 316ti Stainless Steel Sheet Cutting
- 316ti Stainless Steel Sheet Slitting
- 316ti Stainless Steel Sheet Color coating
- 316ti Stainless Steel Sheet Hairline/Brush
- 316ti Stainless Steel Sheet Etching
- 316ti Stainless Steel Sheet Welding
- 316ti Stainless Steel Sheet Bending
- 316ti Stainless Steel Sheet Embossing
- 316ti Stainless Steel Sheet Bead Blasted
- 316ti Stainless Steel Sheet Polishing