



316L Stainless Steel Coil

Ningbo Qihong Stainless Steel Co., Ltd. is a professional 316 stainless steel coil supplier, could provide customized services for products. The stainless steel coils's quality, excellent Bending, Decoiling, Cutting processing technology, delivery cycle ,price etc, have been highly praised by the European, American and other markets' s customers. there are various of surface stainless steel coil available, such as BA surface, 2B surface, NO.1 (white leather), 2D surface, NO.4 (matte), HL (drawing), 8K surface, etc. The surface quality and brightness are good.

316L stainless steel coil has good corrosion resistance and is suitable for a variety of media; Mo is added to improve the corrosion resistance to reducing salts; it is resistant to marine and industrial atmosphere erosion, and can be used in seawater equipment; due to 316L stainless steel The low carbon content of the coil has excellent resistance to grain boundary corrosion; it can be used in pulping and papermaking machinery; in addition, the 316L stainless steel coil also has good processability and weldability.

316 stainless steel has good oxidation resistance in intermittent use below 1600 degrees and continuous use below 1700 degrees. In the range of 800–1575 degrees, it is best not to use 316 stainless steel continuously, but when 316 stainless steel is used continuously outside this temperature range, the stainless steel has good heat resistance. The carbide precipitation resistance of 316L stainless steel is better than that of 316 stainless steel, and the above temperature range can be used

Product Parameter (Specification)

Material	316L
Surface	NO.1, NO.4, 2D, 2B, BA, 6K, 8K, Mirror, etc
Thickness	0.02mm–4.0mm/Customized
Length	200–3500 mm or customized

Width	2-1500 mm or customized
Standard	ASTM, JIS, GB, AISI, DIN, BS, EN
Certifications	SGS ISO9001
Packing	Industry standard packaging or according to client's requirement
Brand	TISCO, POSCO, BAO STEEL, TSINGSHAN, QIYI STEEL etc .
Payment terms	L/C, T/T
Delivery time	Up to order quantity, contact us to know

Manufacturing Process of 316L Stainless steel coil

Raw material preparation - annealing and pickling - (intermediate grinding) - rolling - intermediate annealing - pickling - rolling - annealing - pickling - leveling (finished product grinding and polishing) - cutting, packaging and storage.

The purpose of 316L stainless steel coil heat treatment is to adjust the arrangement to eliminate work hardening and promote deep processing. Ni-Cr series stainless steels are usually annealed in continuous furnaces, while Cr series stainless steels are annealed in bell jar furnaces. The continuous furnace operation control is chaotic and the technical content is high. Ni-Cr stainless steel is solution treated. The key is to cool quickly. The required cooling rate is 55° C/s, the temperature region (550° C to 850° C) after the carbide solid solution passes rapidly. Keep the holding time as short as possible, otherwise the coarse grains will affect the finish.

The heating temperature of 316L stainless steel coil is low (about 900° C), and slow cooling is often used to obtain an annealing softening device. Continuous annealing furnaces are divided into direct heating furnaces and protective gas bright annealing furnaces according to different heating methods. The direct heating type can be divided into horizontal furnaces and vertical furnaces, and horizontal furnaces are widely used. The horizontal annealing furnace consists of a heating section and a cooling section, and the heating section has been expanded from a cutting method to an integrated method, thereby saving 50% of energy consumption. The furnace is equipped with furnace rolls to support the strip, the furnace rolls have a parent-child structure, that is, a large roll has two small rolls of size 1800, one for work and one for standby.

After replacement and repair of the drum, the spare drum can be quickly and easily transferred to the working position. The length of the furnace depends on the output value of the furnace. If you want to increase the heating capacity, you can only increase the length of the furnace. However, the tension formed by the overhang of the stainless steel coil at high temperature is bound to be limited. In order to overcome this limitation, it is necessary to add furnace rolls to the furnace, make it a whole, and then increase the heating efficiency.

Product Details

