



Hastelloy C276 Strip Nickel Alloy Strip With Fast Delivery

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Model Number: HC-276
- Minimum Order Quantity: 5 Kg
- Price: 50 - 999 kilograms US\$55.00
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton, coil wire or strip wire put into wooden case
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Type: Nickel Strip
- Grade: HC-276
- Product Name: Nickle Alloy Strip
- Ni (Min): 58
- Size: Client's Requirements
- Melting Point: 1325-1370°C
- Application: Construction, Industry, Etc
- Elongation: 67%
- Ultimate Strength (≥ MPa): 763
- Width: 1000-6000mm, Customized
- Advantage: Fast Delivery, Large Inventory, Etc
- Highlight: **Hastelloy C276 Strip, Min58 Nickel Alloy Strip,**



Product Description

Product Description:

Hastelloy Strip Product Overview

Hastelloy C276 strip is a high-performance alloy mainly composed of elements such as nickel, molybdenum, chromium and iron. It has excellent corrosion resistance and can resist erosion by a variety of corrosive media, including acidic gases, acidic liquids, oxides and salt solutions. In addition, it has excellent mechanical properties, including high strength and good toughness, and is able to maintain its mechanical properties over a wide temperature range. Hastelloy C276 strip is widely used in corrosive media in chemical, petroleum, marine and other harsh environments, such as key components such as manufacturing equipment, pipelines and valves. It is a reliable material choice that provides long-lasting performance and durability.

Characteristic:

Our Product Introduction

Hastelloy C276 strip is a high-performance corrosion-resistant alloy strip with excellent corrosion resistance and mechanical strength. It is widely used in chemical industry, petroleum, pharmaceutical, electronics, aerospace and other fields.

1. Corrosion resistance: Hastelloy C276 strip has excellent corrosion resistance and can resist the erosion of a variety of strong acids, strong alkali and salt solutions, including sulfuric acid, hydrochloric acid, nitric acid, hydrofluoric acid, etc. It also performs well in high temperature and pressure environments and resists stress corrosion cracking.
2. Mechanical properties: Hastelloy C276 strip has good mechanical strength and toughness and can meet the needs of various applications. It has high strength and hardness and is able to withstand stress during deformation processes such as flexing, bending and deformation.
3. Welding performance: Hastelloy C276 strip has good welding performance and can be connected by various common welding methods. This makes it more convenient and flexible during manufacturing and installation.
4. Temperature range: Hastelloy C276 strip can work in extreme temperature conditions and can withstand a range from low temperature to high temperature. It can keep its performance stable in the temperature range of -200 degrees Celsius to +1000 degrees Celsius.
5. Application fields: Hastelloy C276 strip is widely used in the chemical industry, such as chemical equipment, waste gas treatment devices, corrosive media storage tanks, etc. It is also used in drilling equipment in the oil and gas industry, reactors and tanks in the pharmaceutical industry, semiconductor manufacturing equipment in the electronics industry, and aircraft engine parts in the aerospace industry.

In short, Hastelloy C276 strip is a high-performance corrosion-resistant alloy strip with excellent corrosion resistance, mechanical strength and welding performance, and is suitable for applications in various harsh environments.

Technical Parameters:

Product	nickel alloy sheet
Material	Hastelloy/Nickel Alloy strip
Grade	Hastelloy:HastelloyB/ -2/B-3/C22/C-4/S/ C276/C-2000/G-35/G-30/X/N/g Hastelloy B / UNS N10001,Hastelloy B-2 / UNS N10665 / DIN W.Nr. 2.4617,Hastelloy C, Hastelloy C-4 / UNS N06455 / DIN W. Nr. 2.4610,Hastelloy C-22 / UNS N06022 / DIN W. Nr. 2.4602, Hastelloy C-276 / UNS N10276 / DIN W. Nr. 2.4819,Hastelloy X / UNS N06002 / DIN W. Nr. 2.4665
Thickness	Customized
Width	600mm, 1000mm, 1219mm, 1500mm, 1800mm, 2000mm, 2500mm, 3000mm, 3500mm, etc
Length	2000mm, 2440mm, 3000mm, 5800mm, 6000mm, etc
Standard	GB,AISI,ASTM,DIN,EN,SUS,UNS etc
Quality test	we can offer MTC(mill test certificate)
Delivery time	Usually 7-15 dyas, or upon negotiation

item	HC-276	C-22	C-4	B2	B3	N
C	≤0.01	≤0.015	≤0.015	≤0.02	≤0.01	0.04-0.08
Mn	≤1	≤0.5	≤1	≤1	≤3	≤1
Fe	4-7	2-6	≤3	≤2	≤1.5	≤5
P	≤0.04	≤0.02	≤0.04	≤0.04	--	≤0.015
S	≤0.03	≤0.02	≤0.03	≤0.03	--	≤0.02
Si	≤0.08	≤0.08	≤0.08	≤0.1	≤0.1	≤1
Ni	rest	rest	rest	rest	≤65	rest
Co	≤2.5	≤2.5	≤2	≤1	≤3	≤0.2
Ti+Cu	--	--	≤0.7	--	≤0.4	≤0.35
Al+Ti	--	--	--	--	≤0.5	≤0.5
Cr	14.5-16.5	20-22.5	14-18	≤1	≤1.5	6-8
Mo	15-17	12.5-14.5	14-17	26-30	≤28.5	15-18
B	--	--	--	--	--	≤0.01
W	3-4.5	2.5-3.5	--	--	≤3	≤0.5
V	≤0.35	≤0.35	--	0.2-0.4	--	≤0.5

Product Name	Hastelloy Strip
Size	Customized Size
Material	Hastelloy
Hardness	HRB 89
Tensile Strength	690 MPa
Yield Strength	310 MPa

Coefficient Of Thermal Expansion	11.2 $\mu\text{m/m}\cdot\text{K}$
Thermal Conductivity	9.9 W/m·K
Corrosion Resistance	Excellent
Powder Or Not	Not Powder
Density	8.22 G/cm3

Key Words: Hastelloy Alloys, Hastelloy X Price, Hastelloy C276

Parameter:

Chemical composition: The main components include nickel, molybdenum, chromium, iron, etc. Common chemical compositions are: Nickel (Ni): 50-64%, Molybdenum (Mo): 15-17%, Chromium (Cr): 14.5-16.5%, Iron (Fe): 4-7%.

Density: 8.89 g/cm³.

Melting point: about 1325-1370°C.

Thermal expansion coefficient: 11.2 $\mu\text{m/m}\cdot^\circ\text{C}$ (room temperature -100°C).

contact us

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Advantage:

Compared with other corrosion-resistant alloys, Hastelloy C276 strip has the following special advantages:

1. Excellent corrosion resistance: Hastelloy C276 performs well in a wide range of corrosive media, including strong acids, strong bases, chlorides, oxidizing acids, hydrochloric acid, etc. It can resist the erosion of corrosive media and maintain good performance and stability.
2. Wide temperature range applications: Hastelloy C276 strip maintains excellent performance at very low temperatures to the highest temperatures. It can be used in applications requiring extreme temperature environments such as refrigeration equipment, high temperature reactors and burners.
3. Good resistance to stress corrosion cracking: Hastelloy C276 strip can resist stress corrosion cracking in high temperature and corrosive environments, which makes it of great application value in chemical, petroleum and marine fields.
4. Excellent Mechanical Properties: Hastelloy C276 strip has high strength and tensile strength, allowing it to perform well in high pressure and high stress environments. It also has good wear and fatigue resistance.
5. Weldability and Processability: Hastelloy C276 strip has good weldability and can be welded by a variety of commonly used welding methods. In addition, it also has good processability and can be used for cutting, cold bending, heat treatment and other processing processes.

In summary, Hastelloy C276 strip has become the first choice in many fields due to its excellent corrosion resistance, wide temperature range application, stress corrosion cracking resistance, excellent mechanical properties, and good weldability and processability. Corrosion-resistant alloy material.

FAQ:

Q: What are the mechanical properties of Haast-C276 strip?

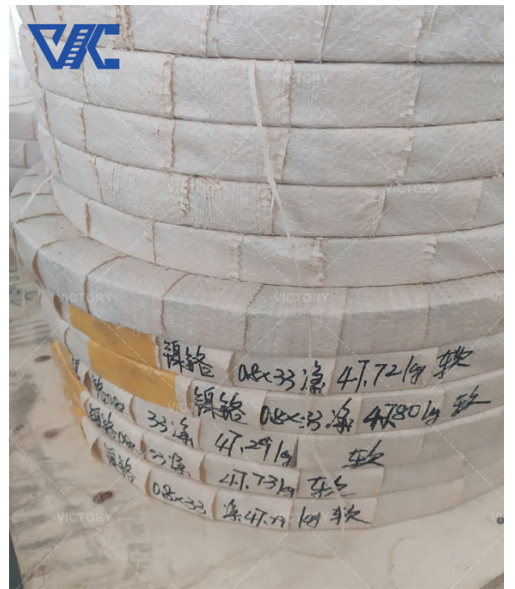
A: Haast-C276 strip has high strength and good toughness, allowing it to maintain its mechanical properties at different temperatures.

Q: How does Haast-C276 strip compare to other corrosion-resistant alloys?

A: Haast-C276 strip is known for its superior corrosion resistance compared to other alloys such as stainless steel and titanium.

Q: What are the typical applications of Haast-C276 strip?

A: Haast-C276 strip is widely used in chemical processing, oil and gas, marine, and aerospace industries for applications that require excellent corrosion resistance and high temperature performance.



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