



Hastelloy C-276 Strip Nickel Alloy Steel High Temperature Coil

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- 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 C22 Strip,**



Product Description

Product Description:

Hastelloy Strip Product Overview

Hastelloy C276 strip has excellent corrosion resistance and mechanical properties. It is resistant to a wide range of corrosive media and has excellent resistance to pitting corrosion, intergranular corrosion and stress corrosion cracking. In addition, it has high strength and good toughness and is able to maintain its mechanical properties at different temperatures. Hastelloy C276 strip is widely used in corrosive media in chemical industry, petroleum, marine and other harsh environments. It can be used to manufacture various equipment and components, such as reactors, heat exchangers, oil well casings, and offshore platforms. Hastelloy C276 tape is a reliable material choice that provides durable performance and protection.

Application:

Our Product Introduction

Hastelloy C276 strip has the following specific applications in the aerospace field:

1. Aero-engine parts: Hastelloy C276 strip is widely used in various parts in aero-engines, such as combustion chamber parts, turbine blades, nozzle guide vanes, etc. Due to its excellent corrosion resistance and high temperature strength, it is able to withstand corrosion and stress corrosion cracking in high temperature and pressure environments while providing reliable performance and longevity.
 2. Aerospace equipment corrosion protection: Hastelloy C276 strip can be used for corrosion protection of aerospace equipment, such as pipes, valves, storage tanks, etc. used in the fuel and hydraulic systems of aircraft. It can resist the erosion of aviation fuel, hydraulic oil and other corrosive media, ensuring the reliability and safety of the equipment.
 3. Aerospace structural components: Hastelloy C276 strip can also be used in the manufacture of aerospace structural components, such as hulls, wings, brackets, etc. for aircraft and satellites. Due to its high strength and corrosion resistance, it provides structural strength and stability in harsh environmental conditions.
 4. Spacecraft thermal protection system: Hastelloy C276 strip can also be used in the thermal protection system of spacecraft, such as for manufacturing thermal protection panels, heat shields, etc. It has good high temperature resistance and thermal expansion properties, and can protect spacecraft from high temperature and thermal stress.
- In short, Hastelloy C276 strip has a wide range of applications in the aerospace field, covering aerospace engine parts, aerospace equipment corrosion protection, aerospace structural components, and spacecraft thermal protection systems. Its excellent corrosion resistance, mechanical strength and high temperature performance make it one of the important materials in the aerospace field.

Limiting factor:

Although Hastelloy C276 strip has a wide range of applications in the aerospace field, there are some limitations, including the following:

1. Weight: Hastelloy C276 strip is relatively heavy, which may be a limitation in improving aircraft fuel efficiency and payload capacity in the aerospace industry. The aerospace field usually has high requirements for lightweight materials, so in some specific application scenarios, other lightweight materials may be chosen to replace Hastelloy C276 strips.
 2. Cost: Hastelloy C276 strip is more expensive than ordinary steel and other alloy materials. In the aerospace industry, cost is often an important consideration. Therefore, in some applications other materials may be selected based on specific needs and economic considerations weighing the balance between cost and performance.
 3. Processing performance: Due to the high strength and corrosion resistance of Hastelloy C276 strip, its processing performance is relatively poor. In the aerospace field, there are high requirements on the processability and manufacturability of materials because complex forming, welding and machining operations are required. Therefore, in some special applications, the machinability of the material and the complexity of the processing technology may need to be considered.
- Despite these limitations, Hastelloy C276 tape still finds widespread use in the aerospace industry and provides excellent performance and reliability in specific applications. For specific projects and needs, factors such as material characteristics, cost, processing performance, etc. need to be comprehensively considered to make the most appropriate material selection.

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
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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 μm/m·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 μm/m·°C (room temperature -100°C).

contact us
email:victory@dlx-alloy.com
Oem service:
Welcome customized size
We are experience factory for OEM&ODM service

Packing and Shipping:

Hastelloy Strip Packaging and Shipping

Our Hastelloy Strip product is carefully packaged to ensure safe and secure delivery to our customers. We take great care in selecting the best packaging materials to protect the product during transit.

Packaging:

The Hastelloy Strip is first wrapped in a protective layer of plastic or paper to prevent any scratches or damage to the surface.

Next, the strip is placed in a sturdy wooden or cardboard box, along with cushioning materials such as foam or bubble wrap to provide extra protection.

The box is then sealed and labeled with the product name, dimensions, and any other necessary information.

Shipping:

We offer various shipping options to our customers, including air, sea, and land transportation.

We work with trusted shipping companies to ensure timely and safe delivery of our products.

For international orders, we carefully adhere to all customs and export regulations to ensure a smooth delivery process.

We provide tracking information for all orders so that customers can keep track of their shipment.

At Hastelloy Strip, we strive to provide the best packaging and shipping services to ensure that our customers receive their products in perfect condition. We are committed to delivering our products with the utmost care and efficiency.

FAQ:

Q: Does Haast-C276 strip require any special handling or storage?
A: Haast-C276 strip should be stored in a clean, dry environment and handled with care to prevent contamination or damage.

Q: Can Haast-C276 strip be welded?
A: Yes, Haast-C276 strip can be welded using various techniques such as TIG (tungsten inert gas) welding or plasma arc welding.

Q: What are the advantages of using Haast-C276 strip in chemical processing?
A: Haast-C276 strip offers excellent resistance to a wide range of corrosive chemicals, making it ideal for applications in chemical processing plants.



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