



Cold Roll ASTM B575 DIN 17750 Nickel Alloy Hastelloy C276 Strip Coils / Tape / Foil

Our Product Introduction

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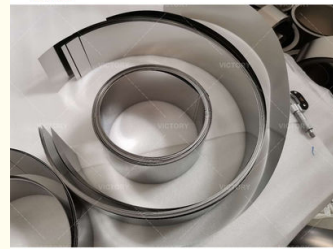
Basic Information

- 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: DIN 17750 Nickel Alloy Hastelloy,



Product Description

Cheap Price Cold Roll ASTM B575 DIN 17750 Nickel Alloy Hastelloy C276 Strip Coils/Tape/Foil

Product Description:

Hastelloy Strip Product Overview

Hastelloy C276 is a high-performance alloy widely used in corrosive media in chemical industry, petroleum, marine and other harsh environments. It is a nickel-based alloy containing approximately 57% nickel, 15-17% molybdenum, 14.5% chromium and 3-4.5% iron. In addition, it contains small amounts of elements such as titanium, molybdenum and aluminum to increase the strength and corrosion resistance of the alloy.

Hastelloy C276 strip has excellent corrosion resistance and can resist erosion by a variety of corrosive media, including acidic gases,

Our Product Introduction

acidic liquids, oxides and salt solutions. It has excellent resistance to pitting corrosion, intergranular corrosion and stress corrosion cracking, making it one of the materials of choice.

In addition, Hastelloy C276 strip has good mechanical properties. It has high strength and good toughness and is able to maintain its mechanical properties over a wide temperature range. It also has excellent processing properties and can be manufactured into products of various shapes and sizes through cold processing and hot processing.

Hastelloy C276 strip has a wide range of applications. In the chemical industry, it is often used to manufacture equipment such as reactors, heat exchangers, evaporators, and storage tanks. In the petroleum industry, it is widely used in key components such as oil well casings, pipelines and valves. In marine engineering, it is used to manufacture seawater treatment equipment, offshore platforms and ship accessories.

In summary, Hastelloy C276 strip is known for its excellent corrosion resistance, excellent mechanical properties and wide range of applications. It is a reliable material choice that provides long-lasting performance and durability in harsh environments.

Attributes:

1. Corrosion resistance: Hastelloy C276 has excellent corrosion resistance and can be used in a wide range of acidic and alkaline environments, including sulfuric acid, hydrochloric acid, chloride solutions, etc.
2. Oxidation resistance: It has good resistance to high-temperature oxidizing environments and is suitable for applications at high temperatures.
3. High Strength: Hastelloy C276 strip has excellent mechanical properties, including high strength and tensile strength.
4. Good weldability: It can be welded by a variety of commonly used welding methods, such as TIG welding, MIG welding, etc.

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 $\mu\text{m/m}\cdot\text{°C}$ (room temperature -100°C).

Advantage:

1. Good corrosion resistance: Hastelloy C276 can resist the erosion of a variety of corrosive media, including acidic, alkaline and chloride media, and has a wide range of applications.
2. Good mechanical properties: It has high strength and tensile strength, making it perform well in high temperature and high pressure environments.
3. Weldability: Hastelloy C276 strip has good weldability and is easy to process and manufacture.
4. Stability: It has excellent stability and reliability over a wide temperature range.

Compared:

Compared with other common corrosion-resistant alloys, Hastelloy C276 has a wider range of corrosion-resistant properties and can be used in more severe environments. It is compatible with other metals, such as stainless steel, nickel-based alloys, etc., and is widely used in chemical, petroleum, pharmaceutical, aviation and other fields.

Application:

Hastelloy C276 strip is widely used in the following fields:

Chemical industry: used to manufacture various chemical equipment, such as reactors, heat exchangers, evaporators, etc.

Oil and natural gas industry: used in oil well drill pipes, oil well casings, oil well liners, petrochemical equipment, etc.

Aerospace industry: used to manufacture aircraft engine components, jet propellers, gas turbines, etc.

Pharmaceutical industry: used to manufacture medical equipment, reactors, storage tanks, etc.

Marine industry: used to manufacture seawater treatment equipment, marine platforms, etc.

Overall, Hastelloy C276 strip is widely favored for its excellent corrosion resistance, high strength and wide range of applications. It plays an important role in the fields of chemical industry, petroleum, aviation, medicine and marine, and can meet the needs of various harsh environments.

contact us

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FAQ:

Q1: What are the main components of Haast-C276 strip?

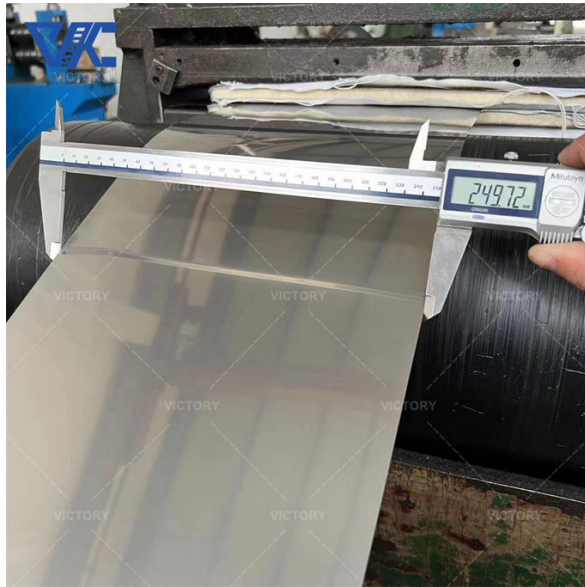
A1: The main components of Haast-C276 strip include nickel, chromium, molybdenum, and iron.

Q2: How is the corrosion resistance of Haast-C276 strip?

A2: Haast-C276 strip has excellent corrosion resistance and can resist corrosion from sulfuric acid, hydrochloric acid, hydrofluoric acid, and other corrosive media.

Q3: What is the temperature range of Haast-C276 strip?

A3: Haast-C276 strip can operate within a wide temperature range, from cryogenic temperatures to high temperatures.



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