



Oil And Gas Industry Hastelloy C276 Wire Nickel Chromium With Excellent Durability

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: 5kg
- Price: Negotiable
- 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

- Name: Hastelloy C276 Wire
- Type: Nickel Alloy Wire
- Grade: Ni Cr Mo
- Elongation(%): 30%
- Density: 8.89 G/cm3
- Brinell Hardness HB: ≤220
- Tensile Strength Rm N/mm²: 760MPa
- Yieldstrength R P0.2 N/mm²: 345MPa
- Melting Point: 1325-1370°C
- Electrical Resistivity 24°C : 1.30 Microhm-m
- Thermal Expansion Coefficient 20-1000°C : 16.5 1/K



More Images



Product Description

Product Description:

Hastelloy Wire Product Overview

Hastelloy C276 alloy wire has a wide range of applications in the oil and gas industry. Hastelloy C276 alloy is a high-performance nickel-based alloy composed of elements such as nickel, chromium and molybdenum, and has excellent corrosion resistance and oxidation resistance. This alloy wire is widely used in various critical equipment and environments in the oil and gas industry.

Hastelloy C276 alloy wire is resistant to corrosive media found in the oil and gas industry, such as hydrogen sulfide, acid gases, salt water and acidic solutions. It exhibits excellent acid and corrosion resistance, maintains stability under harsh working conditions, and extends the service life of equipment.

This alloy wire has high strength and excellent mechanical properties, and can withstand high temperature and high pressure working environments. It also has good resistance to stress corrosion cracking, allowing it to maintain reliability under the stress environments found in the oil and gas industry.

Hastelloy C276 alloy wire is available in different hardness and surface treatment options to meet the needs of different equipment and components in the oil and gas industry. It is widely used in key areas such as oil drilling, oil well casing, chemical plant equipment, oil storage tanks, pipelines and valves.

In summary, Hastelloy C276 alloy wire is an important material choice in the oil and gas industry. It can meet the requirements of extreme working conditions such as corrosive media, high temperature, high pressure, and stress environments, ensuring the reliability and safety of oil and gas equipment. and persistence.



Characteristic:

Corrosion resistance: Hastelloy C276 alloy wire shows excellent resistance in corrosive media containing sulfide, chloride, acid and alkali.

High temperature stability: This alloy wire can maintain good mechanical properties and structural stability in high temperature environments.

Resistant to stress corrosion cracking: Hastelloy C276 alloy wire can withstand stress corrosion cracking environments and has excellent durability.

Resistance to sulfide corrosion: This alloy wire has good resistance to sulfide corrosion and is suitable for applications in sulfur-containing media.

Advantage:

Corrosion Resistance: Hastelloy C276 alloy wire exhibits excellent corrosion resistance in corrosive media encountered in the oil and gas industry, including acidic and alkaline media.

Resistant to sulfide corrosion: This alloy wire can effectively resist corrosion caused by sulfides and is suitable for oil and gas processing environments containing sulfides.

High temperature stability: Hastelloy C276 alloy wire can operate stably for a long time at high temperatures and is suitable for high temperature oil refining and natural gas processing equipment.

Resistance to stress corrosion cracking: This alloy wire has excellent resistance to stress corrosion cracking, which can extend the service life of the equipment.

Application:

Petroleum processing equipment: Hastelloy C276 alloy wire can be used to manufacture various equipment in refineries, such as steam condensers, heat exchangers, reactors and storage tanks.

Natural gas processing equipment: This alloy wire is suitable for equipment in natural gas processing plants, such as gas coolers, exhaust gas treatment systems, and pipes and valves for corrosive media.

Pipes and valves in acidic environments: Hastelloy C276 alloy wire can be used in pipelines and valves for acidic media, such as sulfuric acid, hydrochloric acid and acetic acid.

Seawater treatment equipment: This alloy wire is suitable for corrosion-resistant parts in seawater treatment equipment, such as seawater coolers and brine evaporators.

Other relevant knowledge points:

Hastelloy C276 alloy wire is a high-performance corrosion-resistant alloy with a wide range of applications, including chemical, aerospace, pharmaceutical, food processing and other industries.

In addition to alloy wire, Hastelloy C276 can also be made into plates, pipes, welding rods and bolts to meet the needs of different applications.

In the oil and gas industry, corrosion is a serious problem because the media contains various corrosive substances. The corrosion resistance of Hastelloy C276 alloy wire makes it an ideal material choice to increase equipment reliability and service life.

When selecting materials for Hastelloy C276 alloy wire, factors such as the temperature and pressure of the working

environment, and the composition and concentration of the corrosive medium need to be considered to ensure optimal performance and durability.

Technical Parameters:

Hastelloy Alloy	Ni	Cr	Co	Mo	Fe	W	Mn	C	V	P	S	Si
C276	Balance	14.5-16.5	2.5 Max	15.0-17.0	4.0-7.0	3.0-4.5	1.0 Max	0.01 Max	0.35 Max	0.04 Max	0.03 Max	0.08 Max

Type we could offer

ASTM	Alloy	Type	UNS	Misc./Shape
ASTM B574 Bar	Hastelloy C276	Nickel	N10276	Bar
ASTM B575 Plate	Hastelloy C276	Nickel	N10276	Plate
ASTM B575 Strip	Hastelloy C276	Nickel	N10276	Strip
ASTM B575 Sheet	Hastelloy C276	Nickel	N10276	Sheet
ASTM B619 Welded Pipe	Hastelloy C276	Nickel	N10276	Welded Pipe
ASTM B622 Seamless Tubing	Hastelloy C276	Nickel	N10276	Seamless Tubing
ASTM B366 Fittings	Hastelloy C276	Nickel	N10276	Fittings
ASTM B574 Wire	Hastelloy C276	Nickel	N10276	Wire

Customization:

Victory Hastelloy Wire Customization Service

Brand Name: Victory

Model Number: HC-276, C-22, C-4, B2, B3, N

Place of Origin: China

Surface Finish: Bright, Oxidized, Or Pickled

Size: 0.5-7.5mm, Customized Size

Wire: 0.01-10mm

Strip: 0.05*5.0-5.0*250mm

Bar: ϕ 4-50mm;Length 2000-5000mm

Pipe: ϕ 6-273mm; δ 1-30mm;Length 1000-8000mm

Sheet: δ 0.8-36mm;Width 650-2000mm;Length 800-4500mm

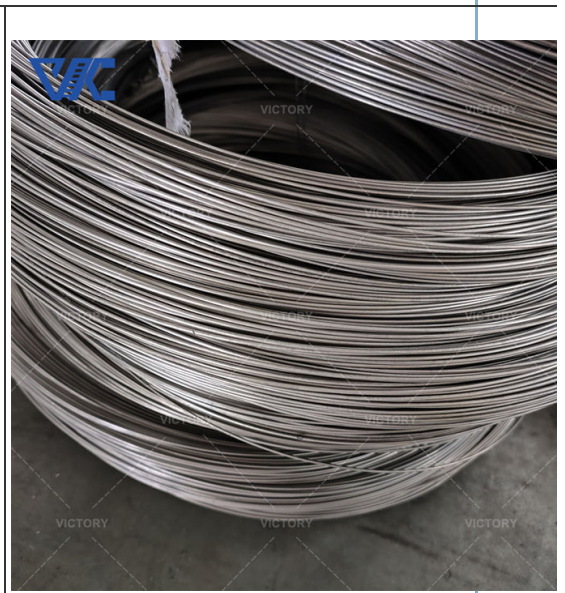
contact us

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FAQ:

What are the advantages of Hastelloy HC276 alloy wire compared with other common alloy wires?

Compared with other common alloy wires, Hastelloy HC276 alloy wire has better corrosion resistance and higher temperature stability.

What is the corrosion resistance of Hastelloy HC276 alloy wire?

Hastelloy HC276 alloy wire has excellent corrosion resistance in acid, alkali, salt and oxidizing media, especially has good resistance to corrosive media such as sulfuric acid, chloride and ferrous chloride.

What are the production standards for Hastelloy HC276 alloy wire?

The production standards of Hastelloy HC276 alloy wire usually comply with ASTM B574 standards, and can be customized according to customer needs.



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