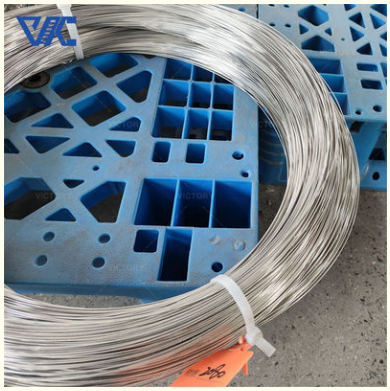
Pharmaceutical Industry C-22 Hastelloy Wire With Drug Safety

Our Product Introduction

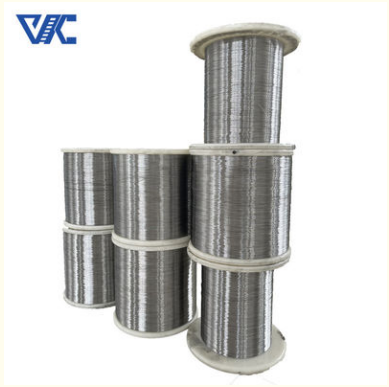
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: C-22
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Nickel wire is rolled on white spool or packed with plastic film,in cartoon boxes. Special packaging requirements can also be accommodated. OEM is also acceptable
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

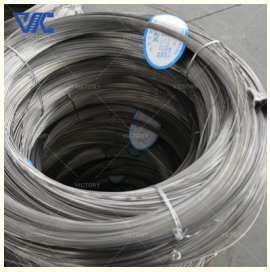


Product Specification

- Name: Hastelloy C22 Wire
- Type: Nickel Alloy Wire
- Material: Ni Cr Mo Fe W Co
- Application: Storage Tanks, Pipes, Columns And Distillation Equipment
- Density: 8.69 G/cm³
- Elongation(%): 45%
- Melting Point: 1,355 °C
- Thermal Conductivity: 10.1 W/m·K
- Yield Strength: 275 MPa
- Tensile Strength: 690 MPa
- Brinell Hardness HB: ≤220
- Highlight: **C276 Nickel Base Hastelloy Alloy**, **C276 Hastelloy Alloy Wire**



More Images



Product Description

Our Product Introduction

for more products please visit us on victory-alloy.com

Introduction:

Hastelloy C22 alloy wire is widely used in the pharmaceutical industry. Hastelloy C22 alloy wire is widely used in manufacturing pharmaceutical equipment and critical components due to its excellent corrosion resistance, biocompatibility and high purity properties.
In the pharmaceutical industry, materials are required to have excellent corrosion resistance and be able to withstand contact with corrosive media such as drugs, solvents and cleaning agents. Hastelloy C22 alloy wire can provide reliable anti-corrosion protection in such environments, ensuring the long life and reliability of pharmaceutical equipment.

In addition, Hastelloy C22 alloy wire has excellent biocompatibility and is compatible with drugs and biological tissues. It is a non-toxic, odorless material that will not cause adverse reactions to or contaminate medicines. This makes it widely used in the manufacture of equipment and components that come into contact with the pharmaceutical process, such as reactors, containers, pipes, pumps, etc.
Hastelloy C22 alloy wire also has high purity characteristics, and the pharmaceutical industry has high requirements for material purity. It can keep the release of impurities low during the pharmaceutical process and reduce the impact on drug quality.
It should be noted that the design, manufacturing and cleaning processes of pharmaceutical equipment should comply with relevant pharmaceutical industry standards and regulations to ensure the safety, purity and effectiveness of drugs.

In summary, Hastelloy C22 alloy wire has a wide range of applications in the pharmaceutical industry. Its corrosion resistance, biocompatibility and high purity make it an ideal choice for manufacturing pharmaceutical equipment and critical components, ensuring the safety, hygiene and high quality of the pharmaceutical process.

Characteristic:

Corrosion resistance: Hastelloy C22 alloy wire has excellent corrosion resistance and can withstand a variety of corrosive media, including acidic and alkaline solutions, salt solutions, and oxidizing environments. This makes it suitable for contact with a wide range of chemicals and pharmaceuticals used in the pharmaceutical industry.
Oxidation resistance: Alloy wire has good antioxidant properties and can maintain stability in high temperature environments to avoid contamination of drugs by oxidation reactions.
Mechanical properties: Hastelloy C22 alloy wire has good strength and toughness, can withstand stress and deformation in the pharmaceutical industry, and maintains structural integrity.

Advantage:

Drug safety: Hastelloy C22 alloy wire is a material that meets drug safety standards and will not release harmful substances or adversely affect drug quality. It ensures the purity and quality of pharmaceutical products during the pharmaceutical manufacturing process.
Corrosion Resistance: The excellent corrosion resistance of alloy wire makes it an ideal choice in the pharmaceutical industry. It can be in contact with various acidic, alkaline and salty pharmaceutical ingredients without being corroded, maintaining the purity and effectiveness of the medicine.
Temperature adaptability: Hastelloy C22 alloy wire can still maintain stability and corrosion resistance in high temperature environments, and is suitable for pharmaceutical processes that require high temperature processing.

Application:

Drug storage and delivery equipment: Hastelloy C22 alloy wire can be used to manufacture equipment such as storage tanks, pipes, valves and pumps in the pharmaceutical industry. It can resist acidic, alkaline and salty components in medicines, ensuring that medicines are not contaminated during storage and transportation.
Reactors and reaction equipment: Alloy wire can be used to manufacture pharmaceutical synthesis reactors and other reaction equipment. It can withstand high temperature, high pressure and corrosive media in pharmaceutical processes, ensuring the safety and stability of the reaction process.
Column and distillation equipment: Hastelloy C22 alloy wire can be used to manufacture columns, distillers and extraction equipment in the pharmaceutical industry. It can withstand high temperatures and corrosive media and realize the separation and purification process of pharmaceuticals.

Other relevant knowledge points:

When selecting and using Hastelloy C22 alloy wire in the pharmaceutical industry, you need to ensure that the material complies with relevant drug safety standards and regulations, such as FDA certification for drug contact materials.
The processing and manufacturing of alloy wires require strict process and production requirements to ensure the quality and health safety of pharmaceutical equipment.
The drug composition and process conditions in the pharmaceutical process will be different. Therefore, when selecting Hastelloy C22 alloy wire, it is necessary to evaluate and select based on the specific drug characteristics, process environment and requirements.
Overall, Hastelloy C22 alloy wire has excellent corrosion resistance, drug safety and mechanical properties in the pharmaceutical industry. It is widely used in pharmaceutical storage and transportation equipment, reactors and reaction equipment, columns and distillation equipment, etc., providing reliable material solutions for pharmaceutical processes. When using, it is necessary to ensure that the selection of appropriate alloy wire specifications and alloy wire processing and manufacturing comply with relevant drug safety standards and regulations.

Parameter:

Hastelloy Alloy	Ni	Cr	Co	Mo	FE	W	Mn	C	V	P	S	Si
C22	Balance	20-22.5	2.5 Max	12.5-14.5	2.0-6.0	2.5-3.5	0.5Max	0.015 Max	0.35 Max	0.04 Max	0.03 Max	0.08 Max

ASTM	Alloy	Type	UNS	Misc./Shape
ASTM B574 Bar	Hastelloy C22	Nickel	N06022	Bar
ASTM B575 Plate	Hastelloy C22	Nickel	N06022	Plate

ASTM B575 Strip	Hastelloy C22	Nickel	N06022	Strip
ASTM B575 Sheet	Hastelloy C22	Nickel	N06022	Sheet
ASTM B619 Welded Pipe	Hastelloy C22	Nickel	N06022	Welded Pipe
ASTM B622 Seamless Tubing	Hastelloy C22	Nickel	N06022	Seamless Tubing
ASTM B366 Fittings	Hastelloy C22	Nickel	N06022	Fittings
ASTM B574 Wire	Hastelloy C22	Nickel	N06022	Wire

Changzhou Victory Technology Co., Ltd

+8619906119641 victory@dlx-alloy.com victory-alloy.com

NO.32 West Taihu Road, Xinbei District, Changzhou, Jiangsu