



Uns N0276 Hastelloy C276 Wire Nickel Alloy Wire For Spring Make

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: 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 C276 Wire
- Type: Nickel Alloy Wire
- Material: Ni Cr Mo
- Elongation (\geq %): 30 %
- Density: 8.89 G/cm³
- Brinell Hardness HB: \leq 220
- Tensile Strength Rm N/mm²: 760MPA
- Yield strength R P0.2 N/mm²: 345MPA
- Melting Point: 1325-1370°C
- Electrical Resistivity 24°C : 1.30 Microhm-m
- Application: Spring Wire
- Thermal Conductivity 32°C : 9.4 W/m-K
- Highlight: **2.4819 Nickel Alloy Wire, Uns N0276 Hastelloy Alloy**



More Images



Product Description

Introduction:

Hastelloy C276 alloy wire has a wide range of applications in the field of spring wire. Due to its excellent mechanical properties and corrosion resistance, Hastelloy C276 alloy wire is widely used to manufacture high-performance and durable springs. Hastelloy C276 alloy wire has excellent elastic modulus and elastic recovery ability, making it an ideal material for manufacturing springs with high load and high elasticity requirements. It maintains stable elastic properties, has good resilience and fatigue strength, and maintains stable performance even under repeated loading and cyclic stress.

In addition, Hastelloy C276 alloy wire has excellent corrosion resistance and can withstand a range of corrosive media, including acidic, alkaline and salt water. This makes it suitable for springs used in harsh environments such as chemical equipment, marine equipment and petroleum processing equipment.

In some special applications, Hastelloy C276 alloy wire can also be heat treated to adjust its hardness and elastic properties to meet specific spring requirements.

In summary, Hastelloy C276 alloy wire has excellent performance in the field of spring wire. Its excellent elastic modulus, elastic recovery and corrosion resistance make it ideal for manufacturing high-performance, durable and reliable springs.

Characteristic:

Corrosion resistance: Hastelloy C276 alloy wire has excellent corrosion resistance and can resist a variety of corrosive media, including strong acids, strong alkali and chlorides. This makes it advantageous in spring applications in corrosive environments.

High temperature stability: Alloy wire can still maintain good mechanical properties and structural stability in high temperature environments. This makes Hastelloy C276 alloy wire suitable for high temperature spring applications, such as springs in the high temperature gas or oil industry.

Oxidation resistance: Hastelloy C276 alloy wire has good oxidation resistance and can resist oxidation and corrosion at high temperatures, thereby increasing the service life of the spring wire.

Advantage:

Corrosion Resistance: One of the major advantages of Hastelloy C276 alloy wire in spring wire applications is its excellent corrosion resistance. It can be used for a long time in corrosive environments without damage, extending the life of the spring.

High Temperature Performance: The high temperature stability of the alloy wire makes Hastelloy C276 alloy wire suitable for high temperature spring applications. It can maintain elasticity and mechanical properties in high temperature environments and is not easily deformed or loses elasticity.

Oxidation Resistance: The oxidation resistance of Hastelloy C276 alloy wire helps protect the spring wire from high temperature oxidation, thereby extending the service life of the spring wire.

Application:

Chemical industry: Hastelloy C276 alloy wire can be used to manufacture spring wires in chemical equipment, such as pumps, valves, pipes, etc. Due to its excellent corrosion resistance and high temperature stability, it can withstand stress and pressure in chemical processes with corrosive media and high temperature environments.

Oil and Gas Industry: Hastelloy C276 alloy wire is widely used in the oil and gas industry. It can be used to manufacture oil well springs, valves, pipes, etc. to cope with the requirements of high temperature, high pressure and corrosive media.

Aerospace industry: Because Hastelloy C276 alloy wire has high temperature stability and corrosion resistance, it can be used as spring wire in the aerospace industry, such as turbines, engines and aerospace equipment.

Parameter:

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

Hastelloy C276 Mechanical Properties (Minimum value at 20°C)

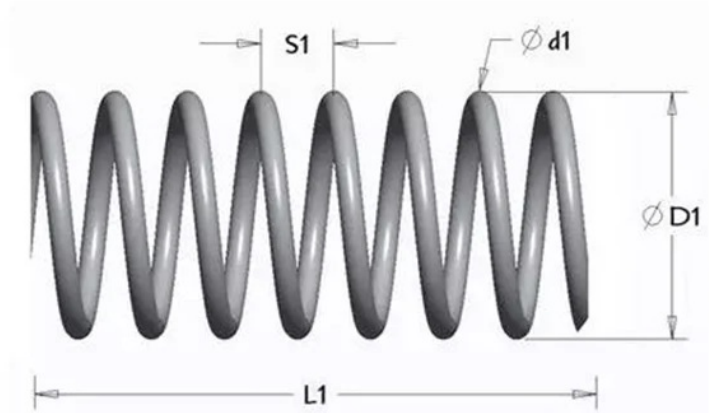
Tensile Strength (σb/MPa)	Yield Strength (σp0.2/MPa)	Elongation (σ5/%)
996	549	30

Hastelloy	Density g/cm3	Melting point °C	Elongation A5 %	Tensile Strength Rm N/mm2	Yield Strength RP0.2N/mm2
C-276	8.9	1325-1370°C	62	758	363
C-22	8.9	1325-1370 °C	40	690	283
C-2000	8.5	1399°C 2550°F	45	690	283
B-2	9.2	1330-1380°C	40	745	325
B-3	9.22	1370-1418°C	40	760	350
G-30	8.22	1399°C 2550°F	62	524	200
X	8.3	1260-1355°C	30	690	/
C-4	8.64	399°C 2550°F	40	690	280
G-35	8.22	1370-1400°C	/	/	/
C	8.94	1330-1380 °C	40	690	310

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



S1 : Pitch

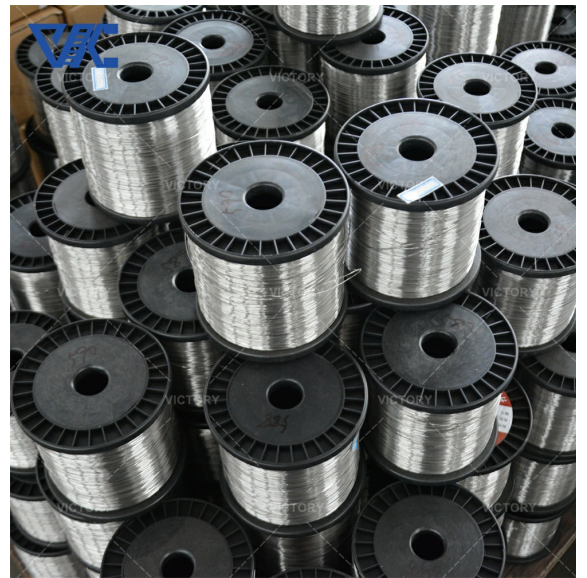
φD1 : Outer diameter

L1 : Working Length

φd1 : Wire diameter

contact us
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Oem service:
 Welcome customized size
 We are experience factory for OEM&ODM service



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