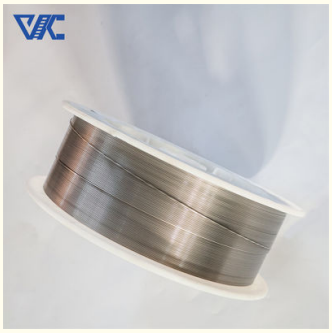
AWS A5.14 UNS N06686 Ernicrmo-3 Inconel Nickel Welding Wire In Oil Pipeline Welding

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: ERNiCrMo-3
- Minimum Order Quantity: 5 Kg
- Price: 15 - 499 kilograms US$35.00
- 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

- Material: Nickel Based Welding Wire
- Diameter: 1.0-2.4mm
- Customized Support: OEM, ODM, OBM
- Model Number: Ernicrmo-3
- Application: Electric Power, Pressure Vessel
- Use Type: Mig Torch/tig Torch
- Yield Strength: ≥420Mpa
- Elongation: ≥27%
- Tensile Strength: ≥760Mpa
- Melting Point: 1290-1350
- Density: 8.4g/cm3
- Standard: AWS A5.14 ASME DIN
- Highlight: UNS N06686 Nickel Welding Wire

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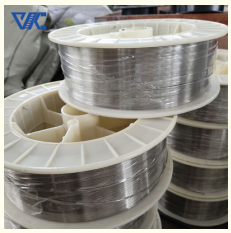
More Images



Our Product I

Product Description

Product Description:

Nickel Welding Wire

ErNiCrMo-3 is a common nickel-based welding wire commonly used in welding applications in high temperature and corrosive environments. The following is a product introduction to ErNiCrMo-3 welding wire:

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1. Chemical composition:
The main chemical components of ErNiCrMo-3 welding wire include nickel (Ni), chromium (Cr), molybdenum (Mo) and other alloying elements. This alloy is designed to provide excellent corrosion resistance and high temperature strength.

2. Features and advantages:
Corrosion resistance:
ErNiCrMo-3 welding wire performs well in high temperatures and corrosive environments, and is especially suitable for welding needs in chemical, petroleum, aerospace and other fields.
High temperature strength:
This welding wire has excellent high-temperature strength and can maintain stable performance under extreme temperature conditions, making it suitable for industrial applications that need to withstand high temperatures.
Good liquidity and stability:
ErNiCrMo-3 welding wire has good fluidity, allowing it to be evenly coated and form a strong weld during the welding process. Its stability ensures welding quality and reliability.

3. Application areas:
Chemical Industry: Welding of equipment used to handle corrosive chemicals.
Oil and Gas Industry: Suitable for welding of oil wells and pipeline systems.
Aerospace: Used for high temperature welding of aircraft engines and spacecraft components.
Nuclear energy industry: suitable for welding of nuclear reactor components.

4. Specifications and packaging:
ErNiCrMo-3 welding wire is usually supplied in reels or boxes, with different diameters and packaging specifications available according to the needs of specific applications.

Advantage:

When nickel-based welding wire is used in oil pipeline welding, it has the following advantages:
1. Corrosion resistance: Nickel-based welding wire has excellent corrosion resistance and can resist corrosive media such as acid, alkaline and chloride.
2. High temperature performance: Nickel-based welding wire maintains stable mechanical properties and durability in high-temperature environments, adapting to the high temperature and thermal cycle requirements in oil pipelines.
3. Strength and reliability: After welding, nickel-based wire provides a high-strength weld that maintains stability even under extreme working conditions.
4. Welding performance: Nickel-based welding wire has good welding performance and is suitable for a variety of welding methods, such as TIG, MIG and SAW.
5. Alloy adaptability: Nickel-based welding wire is suitable for a variety of nickel-based alloys, such as Inconel, Hastelloy and Monel, etc.
6. Good Flowability: Nickel-based welding wire has good flowability, helping to fill the weld seam and provide a uniform weld bead.
7. Crack Resistance: Nickel-based welding wire has excellent crack resistance, reducing cracks and defects during welding.
8. Wear resistance: Nickel-based welding wire has good wear resistance and can resist the effects of wear and abrasive particles.
9. Long-term reliability: Pipes welded with nickel-based welding wire have long-term reliability and can meet the service life requirements of oil pipelines.
10.Good post-weld properties: Pipes welded with nickel-based welding wire have good post-weld properties, such as corrosion resistance, oxidation resistance and mechanical properties.

Technical Parameters:

MIG	(15kg/spool),	Size
		0.8 1.2 2.4 3.2mm
TIG	(5kg/box),Strip	

ERNiCrMo-3

C	Cr	Cu	Fe	Mn	Mo	Ni	P	Si	S	Ti	Nb+ Ta	Co	Al	V	W	Rest
0.1	20-23	0.5	5	0.05	8.0-10	≥58	0.02	0.05	0.015	0.4	3.5-4.15	N/A	0.4	N/A	N/A	≤0.50

Main reason:

There are several main reasons for choosing ErNiCrMo-3 welding wire in oil pipeline welding:
1. Corrosion resistance: ErNiCrMo-3 welding wire is a nickel-based alloy with excellent corrosion resistance and can resist corrosive media such as hydrogen sulfide and chloride that may exist in oil pipelines, extending the service life of the pipeline.
2. High temperature strength: Oil pipelines may be affected by high temperature environments during transportation. ErNiCrMo-3 welding wire has excellent high temperature strength, which can maintain the stability of the welded joint and ensure the reliable operation of the pipeline system.
3. Resistance to stress corrosion cracking (SCC): ErNiCrMo-3 welding wire has good resistance to stress corrosion cracking, which is of great significance for pipeline systems in complex stress environments under geological stress and operating conditions.
4. Welding performance: ErNiCrMo-3 welding wire has good fluidity and stability, is easy to operate, and can form a strong and fully sealed weld, ensuring welding quality.
5. Multi-material compatibility: Oil pipelines may be made of different materials. ErNiCrMo-3 welding wire can be compatible with various materials to achieve welding between different materials, improving flexibility and applicability.
6. Heat crack resistance: ErNiCrMo-3 welding wire has good heat crack resistance, which reduces defects caused by hot cracks during the welding process and improves the quality and reliability of welded joints.
7. Extensive application experience: ErNiCrMo-3 welding wire has extensive application experience in the industrial field and has been proven to perform well in various high temperature and corrosive environments, so it is selected as a reliable material for oil pipeline welding.

Customization:

Victory Nickel Welding Wire - ERNiCrMo-3

Looking for high quality and reliable nickel weld wire? Look no further than Victory's ERNiCrMo-3 welding wire. Made with high quality nickel material, this wire is perfect for all your welding needs.
Customization Service

At Victory, we understand that each project is unique and requires specific welding solutions. That's why we offer customization services for our nickel welding wire. We can tailor the wire according to your specific needs and requirements, ensuring the best possible results for your project.

contact us

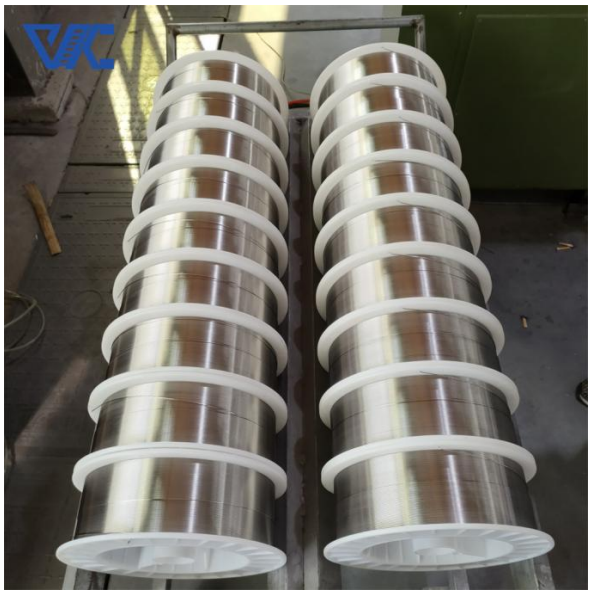
email:victory@dlx-alloy.com
Oem service:
Welcome customized size
We are experience factory for OEM&ODM service

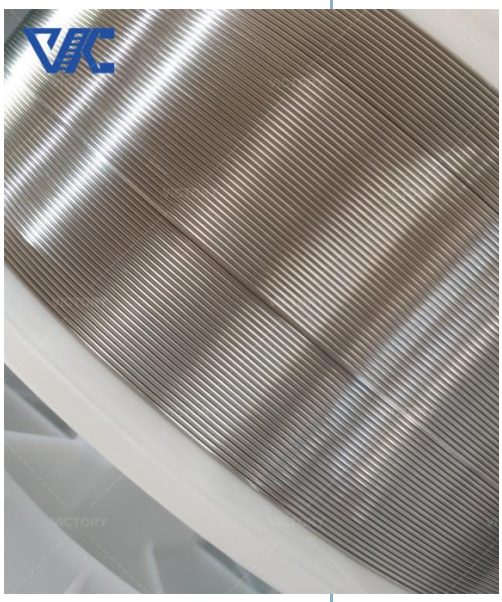
FAQ:

What base materials are nickel-based welding wires suitable for?
Nickel-based welding wire is suitable for a variety of base materials, including stainless steel, nickel-based alloys, steel, etc.

What are the common alloy types of nickel-based welding wire?
Common nickel-based welding wire alloy types include Inconel, Hastelloy, Monel, etc.

What are the advantages of nickel-based welding wire?
Nickel-based welding wire has excellent corrosion resistance, high temperature performance, strength and reliability, as well as good welding performance and alloy adaptability.





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