Ernicrmo-3 Welding Wire Inconel 625 Nickel Alloy Mig Welding Wire

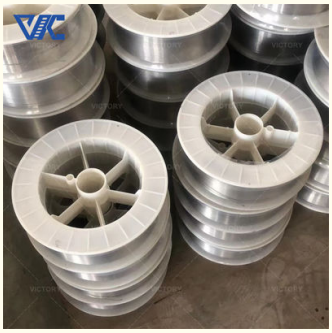
Our Product Introduction

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: **Inconel 625 Ernicrmo-3 Welding Wire**



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Our Product I

Product Description

Product Description:

Nickel Welding Wire

ErNiCrMo-3 welding wire is a high alloy welding wire, mainly composed of nickel (Ni), chromium (Cr), molybdenum (Mo) and other elements. It has excellent corrosion resistance, high temperature strength and good welding performance, and is widely used in many industries.

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ErNiCrMo-3 welding wire is mainly used for welding high alloy materials, especially in the fields of chemical industry, petroleum, aerospace, nuclear energy and medical equipment. It can be used to weld stainless steel, nickel-based alloys, and a variety of materials in high temperatures and corrosive environments.
The welding wire has good corrosion resistance and can resist erosion by acidic, alkaline, oxidizing and reducing media. Its performance is stable in high temperatures and corrosive environments, maintaining the long-lasting performance of welded joints.
ErNiCrMo-3 welding wire also has excellent thermal stability and thermal fatigue resistance, and is suitable for welding applications in high temperature environments. It can withstand thermal stress and mechanical stress at high temperatures and maintain the strength and stability of welded joints.
In addition, ErNiCrMo-3 welding wire has good fluidity and operability during the welding process, and the formability and quality of the welded joints are high. It can produce good weld morphology and complete weld penetration, ensuring the reliability and sealing of welded joints.

Application in aircraft engine components:

ErNiCrMo-3 nickel-based welding wire plays an important role in the application of aerospace engine components. Here are some examples of ErNiCrMo-3 welding wire used in aerospace engine components:
Gas turbine blade welding: Gas turbine blades are one of the key components of aeroengines and endure high temperature and high pressure working environments. ErNiCrMo-3 welding wire can be used to weld the root and platform parts of gas turbine blades to ensure their strength and corrosion resistance.
Combustion chamber assembly welding: The combustion chamber is the area where fuel is burned in an aero engine and has a high operating temperature. ErNiCrMo-3 welding wire can be used to weld combustion chamber wall plates, nozzles and other combustion chamber components, and has high temperature resistance and corrosion resistance.
Fuel nozzle welding: Fuel nozzle is a key device for controlling fuel injection. ErNiCrMo-3 welding wire can be used to weld the nozzle head and bottom connections of fuel nozzles to ensure the stability and corrosion resistance of the nozzle.
Fuel and turbine shaft welding: The fuel and turbine shaft are critical components that transfer the rotational energy of the gas turbine to other systems. ErNiCrMo-3 welding wire can be used to weld the connection parts of fuel and turbine shafts, providing reliable welding strength and corrosion resistance.
These are some common applications where ErNiCrMo-3 welding wire is used in aerospace engine components. This welding wire can meet the requirements of high-temperature strength, corrosion resistance and welding performance of aerospace engines, ensuring the reliability and performance of aerospace engines.

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

Advantage:

Nickel Welding Wire - Victory ERNiCrMo-3

Brand Name: Victory

Nickel-based welding wire has the following advantages in the application of aerospace engine components:
High-temperature performance: Nickel-based welding wire has excellent high-temperature resistance and can withstand the high-temperature environment when aerospace engines are working, maintaining the stability and strength of the structure.
Corrosion resistance: There are various corrosive media in aeroengines, such as fuel, combustion products and moisture. Nickel-based welding wire has good corrosion resistance and can resist the erosion of corrosive media and extend the service life of components.
High Strength: Aeroengine components require high strength and stiffness to withstand the engine's workload and vibrations. Nickel-based welding wire has high strength and stiffness, providing a strong and reliable connection to ensure the structural integrity of the component.
Fatigue life: Aeroengine components will experience frequent thermal expansion and contraction during long working cycles, which can easily cause fatigue damage. Nickel-based welding wire has good fatigue life, can reduce the occurrence of fatigue damage and improve the reliability of components.
Good processability: Nickel-based welding wire is easy to process and weld into shape, and is suitable for manufacturing complex-shaped aero-engine components.
Excellent thermal conductivity: Nickel-based welding wire has good thermal conductivity and can quickly transfer heat to the welded joint, reducing the risk of thermal stress and deformation.
Good air tightness: Aero engine components need to have good air tightness to ensure safe storage and transmission of fuel and gas. Nickel-based welding wire can provide reliable welding joints and maintain good air tightness.
Repairability: Nickel-based welding wire can be used to repair aerospace engine components, and the repaired components can be restored to the performance level required by the design.
Good reliability: Nickel-based welding wire has stable performance and reliable connection, which can meet the strict material requirements of aerospace engines and ensure the performance and safety of the engine.
Mature process: Nickel-based welding wire has extensive application experience and process knowledge in the application of aerospace engine components. The manufacturing and repair process is relatively mature, which can improve production efficiency and quality.

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

Packing and Shipping:

Packaging and Shipping

For packaging and shipping, our Nickel Welding Wire is carefully wrapped and packed to ensure its safe delivery to our customers. The wire is spooled onto a plastic or wooden spool, with each spool containing a specific weight of wire according to customer requirements. The spools are then placed in a sturdy cardboard box and sealed with tape to prevent any damage during transit.
Our standard shipping method is through reputable international couriers such as DHL, FedEx, and UPS. This ensures prompt and reliable delivery of our products to our customers worldwide. We also offer the option of air or sea freight for larger orders, depending on customer preference.
We take great care in labeling our packages with clear and accurate information, including product name, weight, and customer information. This allows for easy identification and handling of the package during transit.
Our team also conducts thorough quality checks before shipping to ensure that the product meets our high standards and specifications. We strive to provide our customers with the best quality products and services.
Customers can track their orders and expected delivery date through the tracking number provided once the package is shipped. We also offer expedited shipping options for urgent orders, subject to additional charges.
At Nickel Welding Wire, we prioritize the safe and timely delivery of our products to our customers, and we are committed to providing a seamless shipping experience.

FAQ:

Q: What is the brand name of this product?
A: The brand name of this product is Victory.
Q: What is the model number of this product?
A: The model number of this product is ERNiCrMo-3.
Q: Where is this product originated from?
A: This product is originated from China.
Q: What are the main properties of this welding wire?
A: This welding wire is made of nickel, chromium, and molybdenum, which provide excellent corrosion resistance and high-temperature strength.
Q: What is the diameter range of this welding wire?
A: The diameter range of this welding wire is 0.8mm-3.2mm.

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