



Hastelloy Alloy Wire Hc-276 With Molybdenum & Chromium 0.5-7.5mm For Aerospace Engineering Heat Exchanger

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Model Number: ERNiCrMo-3
- Minimum Order Quantity: 15
- Packaging Details: Spool package with Carton box, Coil package with polybag for ERNiCrMo-13
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Material: Ni, Mo, Cr
- Elongation: $\geq 22\%$
- Density: 8.60 G/cm³
- Tensile Strength Rm N/mm²: ≥ 600
- Yield strength R P0.2 N/mm²: ≥ 360
- Melting Point: 1310-1360°C
- Certificates: AWS A5.14 / ASME SFA A5.14
- Highlight: ERNiCrMo-3 nickel chromium molybdenum alloy
, nickel chromium molybdenum alloy Wire,
ASME nickel and molybdenum

Product Description

Our Product Introduction



Nickel Based Welding Wire

ERNiCrMo-3 (NA625) is used primarily for gas tungsten and gas metal arc and matching composition base metals. It is also used for welding Inconel 601 and Incoloy 800. It can be used to weld dissimilar metal combinations such as steel, stainless steel, Inconel and Incoloy alloys. ERNiCrMo-3 is a nickel-chromium-molybdenum wire primarily utilized for welding alloys 625, 601, 802, and 9% nickel using the gas arc metal and gas tungsten arc method of welding. Pinnacle Alloys ERNiCrMo-3 delivers moderate strengths, good fabricability, and superior corrosion resistance from cryogenic to elevated (up to 1800°F) temperatures. It also features good oxidation resistance. Pinnacle Alloys ERNiCrMo-3 is designed for welding NiCrMo to itself, to steel, to other nickel-base alloys, and for cladding steel with NiCrMo weld metal. This wire is well suited for welding piping systems and reactor components in the power generation industry and for high temperature service in a wide variety of other engineering

applications including furnace equipment and petrochemical plants and in marine and offshore environments.

Welding series:

ERNiCrMo-3,ERNiCrMo-4,ERNiCrMo-13,ERNiCrFe-3,ERNiCrFe-7,ERNiCr-3,ERNiCr-7,ERNiCu-7,ERNi-1, ER70S-6.

Standard: Conforms to Certification AWS A5.14 ASME SFA A5.14

Size: 0.8MM / 1.0MM / 1.2MM / 1.6MM / 2.4MM / 3.2MM / 3.8MM / 4.0MM / 5.0MM

Form: MIG(15kgs/spool), TIG(5kgs/box),Strip

Nickel welding wire Nickel welding wire Nickel welding wire Nickel welding wire Nickel welding wire

Chemical Properties of Nickel welding wire ERNiCrMo-13

| C | Mn | Fe | P | S | Si | Cu | Ni | Al | Ti | Cr | Nb+Ta | Mo |
|-----|-----|-----|------|-------|-----|-----|----|-----|-----|-----------|-----------|----------|
| 0.1 | 0.5 | 5.0 | 0.02 | 0.015 | 0.5 | 0.5 | 58 | 0.4 | 0.4 | 20.0-23.0 | 3.15-4.15 | 8.0-10.0 |

Size we could offer

Typical Welding Parameters

| Diameter in | (mm) | Process | Volt | Amps (flat) | Amps (V/OH) |
|----------------|-------|---------|-------|-------------|---------------------------|
| .035 | (0.9) | GMAW | 26-29 | 150-190 | Spray Transfer 100% Argon |
| .045 | (1.2) | GMAW | 28-32 | 180-220 | Spray Transfer 100% Argon |
| 1/16 | (1.6) | GMAW | 29-33 | 200-250 | Spray Transfer 100% Argon |
| 1/16 | (1.6) | GTAW | 14-18 | 90-130 | 100% Argon |
| 3/32 | (2.4) | GTAW | 15-20 | 120-175 | 100% Argon |
| 1/8 | (3.2) | GTAW | 15-20 | 150-220 | 100% Argon |



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