

# Inconel 625 Aws A5.14 Nickel ERNiCrMo-3 Welding Wire Nickel Alloy TIG Weld Wire

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Basic Information		
<ul><li>Place of Origin:</li><li>Brand Name:</li></ul>	China Victory	
Certification:	CE,ROHS,ISO 9001	and the second
Model Number:	ERNiCrMo-3,ERNiCrMo-4,ERNiCrMo- 13,ERNiCrFe-7,ERNiCr-3	A MARCHINE MARCHINE
Minimum Order Quantity:	15	
Packaging Details:	Spool package with Carton box, Coil package with polybag	
<ul> <li>Delivery Time:</li> </ul>	5-21 days	
<ul> <li>Payment Terms:</li> </ul>	L/C, T/T, Western Union, MoneyGram	
<ul> <li>Supply Ability:</li> </ul>	300 tons per month	and the second se
Product Specification		

### Product Specification

- Material: • Elongation:
- Density: • Tensile Strength Rm N/mm<sup>2</sup>:
- Yieldstrength R P0. 2 N/mm<sup>2</sup>:
- Melting Point:
- Certificates:
- Highlight:



## More Images



Ni, Mo, Cr

8.60 G/cm3

1310-1360°C

AWS A5.14 / ASME SFA A5.14

ERNiCrMo-3 Welding Wire, TIG Weld Wire

Inconel 625 Welding Wire,

≥22 %

≥600

≥360

#### **Product Description**

Welding wire is a vital metal material that plays a key role in filling the weld seam and achieving welding connections during the welding process. There are many different types of welding wires available on the market, such as ERNiCrMo-3, ERNiCrFe-7, ERNiCu-7, etc. Each welding wire has a unique chemical composition and welding characteristics.

These welding wires are widely used in welding processes in various industries. They offer outstanding performance advantages such as corrosion resistance, high temperature strength and oxidation resistance to meet the requirements of various industrial needs. By choosing the right welding wire, we can ensure the quality, strength and reliability of our welded joints.

Proper selection of the right welding wire is crucial to achieving high-quality welding. Depending on the type of welding material, welding conditions and specific requirements required, selecting the appropriate welding wire can improve the efficiency and success rate of the welding process and ensure that the quality of the final welded connection meets expectations. Therefore, when

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# undertaking a welding project, careful selection of the appropriate welding wire is an important step in ensuring welding quality and performance.

#### **Chemical Properties**

С	Si	Mn	Cr	Р	Ni
≤0.01	≤0.2	≤0.5	22.0-24.0	≤0.015	Rem
AI	Мо	Fe	Cu	S	Co
0.10-0.40	15.0-16.50	≤0.5	≤0.1	<0.01	<0.20

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Typical We	Iding Parameters								
Diameter		Process		Volt	Amma	(flat)			
inch	(mm)	Process	5 V	Volt Am		Amps (flat)		Amps (V/OH)	
0.035	0.9	GMAW	26	6-29	150-1	90	Spray T	Spray Transfer 100% Arg	
0.045	1.2	GMAW	28	3-32	180-2	20	Spray T	Spray Transfer 100% Arg	
1/16	1.6	GMAW	29	9-33	200-2	50	Spray T	ansfer 100% Arg	
1/16	1.6	GTAW	14	1-18	90-13	0	100% A	100% Argon	
3/32	2.4	GTAW	15	5-20	120-1	75	100% A	100% Argon	
1/8	3.17	GTAW	15	5-20	150-2	20	100% A	100% Argon	
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Tensile Strength			109 Ksi			790 MPA			
Yield Strength			68 Ksi			470 MPA			
Elongation			40-45%						
Density g/cm3			8.60 g/cm3						
Melting Point °C			1300-1360°C						
Coefficient of Expansion. 21-93 Co, $\mu m/m$ * Co			11.90						
Item	ERNiCrM	ERNiCrM	ERNiCrMo	ERNiCrF	·0-	ERNiCr-	ERNiC	ERCuNi	

Item	ERNiCrM o-3	ERNiCrM o-4	ERNiCrMo -13	ERNiCrFe- 7	ERNiCr- 3	ERNIC u-7	ERCuNi
С	0.1	0.02	0.01	0.04	0.1	0.15	0.03
Mn	0.05	1	0.5	1	2.5-3.5	4	0.5-1.0
Fe	5	4-7	1.5	7-11	3	2.5	0.65
Р	0.02	0.04	0.015	0.02	0.03	0.02	0.01
S	0.015	0.03	0.005	0.015	0.015	0.015	0.01
Si	0.05	0.08	0.1	0.5	0.5	1.25	0.15
Cu	0.5	0.5	N/A	0.3	0.5	rest	rest
Ni	≥58	rest	rest	rest	≥67	62-69	30-32
Co	N/A	2.5	0.3	N/A	N/A	N/A	N/A
Al	0.4	N/A	0.1-0.4	1.1	N/A	1.25	0.15
Ti	0.4	N/A	N/A	1	0.75	1.5-3	0.5
Cr	20-23	14.5-16.5	22-24	28.5-31	18.0- 22.0	N/A	N/A
Nb+T a	3.5-4.15	N/A	1.8-2.5	0.01	2.0-3.0	N/A	N/A
Мо	8.0-10	15-17	15-16	0.5	N/A	N/A	N/A
V	N/A	0.35	N/A	N/A	N/A	N/A	N/A
W	N/A	34.5	N/A	N/A	N/A	N/A	N/A
Rest	≤0.50	≤0.50	≤0.50	≤0.50	≤0.50	≤0.50	≤0.50

