

Metals And Welding Specialities is a trusted manufacturer and supplier of high-quality welding consumables, offering advanced alloy solutions like **ERNiCrMo-3 MIG & TIG Welding Wire** wires for critical industrial applications. This filler metal is designed for exceptional performance in environments requiring superior corrosion resistance and mechanical strength. Classified under **UNS N06625** and conforming to **ASTM Grade 2.4856** standards, this nickel-chromium-molybdenum alloy wire meets international welding specifications and is widely recognized for its reliability in demanding operations.



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The **ERNiCrMo-3** welding wire from Metals And Welding Specialities is engineered to match the chemistry of **Inconel 625** and similar nickel-based alloys. It contains a balanced composition of nickel, chromium, molybdenum, and niobium, offering outstanding resistance to a wide range of corrosive agents such as seawater, acids, and oxidizing chemicals. When used in **MIG (GMAW)** or **TIG (GTAW)** welding processes, it delivers a stable arc, smooth weld bead, and minimal spatter—ensuring clean and precise joints even in complex welding operations.



ERNiCrMo-3 MIG & TIG Welding Wire, ERNiCrMo-3 MIG & TIG Welding Wire Manufacturers, ERNiCrMo-3 MIG & TIG Welding Wire Suppliers, ERNiCrMo-3 MIG & TIG Welding Wire Stockists, ERNiCrMo-3 MIG & TIG Welding Wire Exporters

This wire is particularly effective for joining dissimilar metals and overlays where superior corrosion and oxidation resistance are required. Its excellent mechanical properties at both elevated and cryogenic temperatures make it suitable for a wide range of industries including marine, aerospace, petrochemical, and power generation. The **AWS Class ERNiCrMo-3** wire is also highly valued in offshore and chemical processing applications where protection against pitting, crevice corrosion, and stress-corrosion cracking is crucial.

At Metals And Welding Specialities, every spool of **ERNiCrMo-3 TIG & MIG** wire is manufactured under stringent quality controls to ensure consistent composition and performance. Our products are tested to meet or exceed the requirements of international standards such as **AWS A5.14** and **ASME SFA-5.14**. With precise wire diameter, smooth feeding properties, and clean finish, our filler metals help welders achieve optimal results in both manual and automated welding setups.



ERNiCrMo-3 MIG & TIG Welding Wire in India, ERNiCrMo-3 MIG & TIG Welding Wire Manufacturers in India, ERNiCrMo-3 MIG & TIG Welding Wire Suppliers in India, ERNiCrMo-3 MIG & TIG Welding Wire Stockists in India, ERNiCrMo-3 MIG & TIG Welding Wire Exporters in India

The **UNS N06625** alloy filler wire offers superior weldability and post-weld strength retention, even after prolonged exposure to high-stress environments. Its robust metallurgical stability prevents intergranular corrosion and maintains toughness under thermal cycling. These properties make it ideal for cladding or surfacing components exposed to aggressive chemical and thermal conditions. Whether used in the fabrication of heat exchangers, pressure vessels, turbine components, or exhaust systems, Metals And Welding Specialities' **ERNiCrMo-3** wire delivers performance that professionals can rely on. With decades of experience in welding technology and alloy metallurgy, Metals And Welding Specialities continues to serve industries worldwide with dependable, high-performance filler materials. Our **ERNiCrMo-3 MIG & TIG Welding Wire** wire exemplifies our commitment to precision, durability, and excellence in every weld.

### Specification ERNiCrMo-3 Welding Wire



<b>Classification</b>	<b>AWS A5.14, ERNiCrMo-3</b>
<b>Form</b>	MIG spools, TIG cut lengths, Reels and Coils
<b>Type Of Welding</b>	Inert Gas Welding
<b>Standard TIG straight lengths are available</b>	36" (914 mm) or 39" (1000 mm) lengths. Other lengths available upon request.

## AWS ERNiCrMo-3 MIG & TIG Metal Application & uses

Hardware tools  
Metallurgy  
Machinery  
Construction  
Shipbuilding  
Petroleum  
Chemical plant  
Power sector  
Gas Industry

## Equivalent Grade Of ERNiCrMo-3 Welding Wire



Class	UNS	Oxford Alloys	Special Metals	SANDVIK	BOHLER	UTP	ESAB
ERNiCrMo-3	N06625	Alloy 625	INCONEL FILLER METAL 625	EXATON NI 60	BOHLER THERMANIT 625	UTP A 6222	OK AUTROD NICRMO-3

## ERNiCrMo-3 MIG & TIG Welding Wire Chemical Composition



C	Mn	Fe	P	S	Si	Cu	Ni	Al	Ti	Cr	Nb+Ta	Mo	Other
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	0.5

## ERNiCrMo-3 MIG & TIG Welding Wire Parameters



Diameter		Process	Volt	Amps (flat)	Amps (V/OH)
in	(mm)				
.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

ERNiCrMo-3 filler wire, UNS N06625 welding wire, Inconel 625 MIG wire, Inconel 625 TIG wire, ASTM 2.4856 filler metal, Nickel alloy welding wire, NiCrMo-3 welding electrode, AWS A5.14 ERNiCrMo-3, ASME SFA-5.14 wire, High corrosion resistant welding wire, Inconel 625 filler rod, Marine welding filler metal, Aerospace grade welding wire, Chemical plant welding wire, Heat exchanger welding filler, Pressure vessel filler wire, High-temperature welding alloy, NiCrMo-3 MIG wire supplier, Metals And Welding Specialities welding consumables, Nickel-based filler wire manufacturer, Superalloy welding wire, Dissimilar metal welding wire, Corrosion-resistant overlay wire, Offshore welding filler, Inconel 625 UNS N06625 wire, NiCrMo alloy TIG filler, Industrial welding consumables, Welding wire for heat-resistant alloys, High-strength nickel wire, Chemical resistant welding rod, Inconel 625 wire exporter, NiCrMo alloy filler supplier, UNS N06625 MIG & TIG wire, Nickel alloy ERNiCrMo-3 rod, Welding filler for Inconel 625, AWS ERNiCrMo-3 welding alloy, Industrial-grade welding consumable, ASTM Grade 2.4856 wire manufacturer, Metals And Welding Specialities ERNiCrMo-3 supplier