

Metals And Welding Specialities is a trusted supplier of high-quality welding consumables, including the **ENiCrFe-3 Welding Electrodes**, manufactured to meet international standards. These electrodes, classified under **UNS W86112** and **ASTM A5.11 ENiCrFe-3**, are designed for superior performance in demanding welding environments. Known for their excellent mechanical strength, high-temperature stability, and remarkable corrosion resistance, these electrodes are widely used in industries that operate under extreme service conditions.



Table Of Content

- [What is ENiCrFe-3 Welding Electrodes?](#)
- [Specification of ENiCrFe-3 Welding Electrodes](#)
- [Equivalent Grade Of ENiCrFe-3 Welding Electrodes](#)
- [Chemical Composition of ENiCrFe-3 Welding Electrodes](#)
- [ENiCrFe-3 Welding Electrodes Parameters](#)
- [People Searched for ENiCrFe-3 Welding Electrodes](#)
- [Supply Cities of ENiCrFe-3 Welding Electrodes](#)
- [Export Countries of ENiCrFe-3 Welding Electrodes](#)

The **ENiCrFe-3 Coated Electrodes** are nickel-chromium-iron-based welding electrodes engineered to join similar and dissimilar alloys. They provide outstanding weld quality on materials such as nickel alloys, stainless steels, and carbon steels, ensuring reliable and crack-resistant weld joints. Their microstructure stability makes them suitable for service conditions where high resistance to oxidation, carburization, and chloride stress corrosion cracking is required. These properties make them ideal for applications in petrochemical plants, marine environments, chemical processing units, and power generation industries.



ENiCrFe-3 Welding Electrodes, ENiCrFe-3 Welding Electrodes Manufacturers, ENiCrFe-3 Welding Electrodes Suppliers, ENiCrFe-3 Welding Electrodes Stockists, ENiCrFe-3 Welding Electrodes Exporters

One of the primary advantages of **AWS Class ENiCrFe-3** electrodes is their versatility. They are frequently used to weld Inconel 600, Inconel 601, Inconel 690, and other nickel alloys. They also serve as a buffer layer when welding dissimilar metals such as stainless steel to carbon steel, preventing dilution and cracking in the weld zone. The high tensile strength and ductility of these electrodes allow them to perform reliably under fluctuating thermal cycles and mechanical stresses.

Metals And Welding Specialities ensures that every batch of **UNS W86112 electrodes** is manufactured and tested according to stringent quality standards. The coating on these electrodes provides excellent arc stability, easy slag removal, and smooth bead appearance, which reduces rework and improves productivity. Their ability to resist hot gas corrosion and high-temperature scaling makes them a preferred choice for fabrication and repair welding in furnaces, heat exchangers, and boiler components.



ENiCrFe-3 Welding Electrodes in India, ENiCrFe-3 Welding Electrodes Manufacturers in India, ENiCrFe-3 Welding Electrodes Suppliers in India, ENiCrFe-3 Welding Electrodes Stockists in India, ENiCrFe-3 Welding Electrodes Exporters in India

The demand for **ASTM A5.11 ENiCrFe-3 electrodes** continues to grow because industries are increasingly prioritizing durability and efficiency in their welding operations. Metals And Welding Specialities is committed to supplying customers with reliable electrodes that enhance operational life and minimize maintenance costs. With a global presence and customer-focused approach, Metals And Welding Specialities stands as a dependable partner for industries requiring advanced welding solutions. If you are looking for durable, corrosion-resistant, and high-performance electrodes, Metals And Welding Specialities provides the best quality **ENiCrFe-3 Welding Electrodes UNS W86112 ASTM A5.11** to meet your critical welding requirements.

Specification ENiCrFe-3 Welding Electrodes



Classification	AWS A5.11, A5.1, ENiCrFe-3
Form	Welding Electrode, Welding Rods
Type Of Current	Direct Current Electrode Positive (DCEP)
Diameters	3/32", 1/8", 5/32", 3/16" or 2.5mm, Ø 3.2mm, Ø 4.0mm, Ø 5.0mm
Size	2.0mm ∞ 5.0mm
AC/DC+	50-80, 80-110, 100-135, 140-180
Welding Positions	All positions 5/32" & 3/16" recommended for use in flat & horizontal positions only (F, V, OH, H)

ENiCrFe-3 Coated Electrodes Application & uses

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

Equivalent Grade Of ENiCrFe-3 Welding Electrodes



Class	UNS	Oxford Alloys	Special Metals	BOHLER	UTP	ESAB	SANDVIK
ENiCrFe-3	W86182	Alloy 182	INCONEL WELDING ELECTRODE 182	THERMANIT NICRO 182	UTP 068HH /td>	OK NICRFE-3	SANICRO 72HP / EXATON NI 71

ENiCrFe-3 Welding Electrodes Chemical Composition



C	Mn	Fe	P	S	Si	Cu	Ni	Ti	Cr	Nb+Ta	Other
0.10	5.0-9.5	10.00	0.03	0.015	1.0	0.50	59.0	1.0	13.0-17.0	1.0-2.5	0.50

ENiCrFe-3 Welding Electrodes Parameters



Diameter		Process	Volt	Amps (flat)	Amps (V/OH)
in	(mm)				
3/32	(2.4)	SMAW	24-28	70-85	65-75
1/8	(3.2)	SMAW	26-30	85-110	80-90
5/32	(4.0)	SMAW	28-32	110-140	100-120
3/16	(4.8)	SMAW	28-32	120-160	110-130

People Also Searched

ENiCrFe-3 Welding Electrodes, UNS W86112, ASTM A5.11 ENiCrFe-3, Nickel Alloy Electrodes, ENiCrFe-3 Welding Rods, ENiCrFe-3 Welding Electrodes, Nickel Chromium Iron Electrodes, Inconel Welding Electrodes, Nickel Alloy ENiCrFe-3, ASTM A5.11 Welding Electrodes, UNS W86112 Welding Rod, Nickel Alloy UNS W86112, ENiCrFe-3 Stick Electrodes, ENiCrFe-3 Arc Welding Electrodes, High Temperature Nickel Electrodes, Corrosion Resistant Electrodes, Dissimilar Metal Welding Electrodes, ENiCrFe-3 SMAW

Electrodes, Shielded Metal Arc Welding ENiCrFe-3, Alloy 600 Welding Electrodes, Alloy 601 Welding Electrodes, Alloy 690 Welding Electrodes, Inconel ENiCrFe-3 Welding Electrodes, High Strength Welding Electrodes, Oxidation Resistant Electrodes, Heat Resistant Nickel Electrodes, AWS Nickel Alloy Electrodes, Nickel Welding Consumables, Industrial Welding Electrodes, Metals And Welding Specialities ENiCrFe-3 Electrodes, ASTM A5.11 Nickel Alloy Electrodes, Welding Electrodes UNS W86112, ENiCrFe-3 for Petrochemical Welding, ENiCrFe-3 for Power Generation, ENiCrFe-3 for Marine Welding, Nickel Alloy Repair Electrodes, Boiler Welding Electrodes ENiCrFe-3.