

Metals And Welding Specialities offers premium quality **ENi-CI Welding Electrodes** that are designed for welding cast iron components with exceptional performance and reliability. These electrodes are manufactured to meet **ASTM A5.11 ENi-CI** standards and carry the universal designation **UNS W86002**. Known for their outstanding crack resistance, machinability, and strength, these electrodes are widely used in industries that demand durable repair and maintenance of cast iron structures.

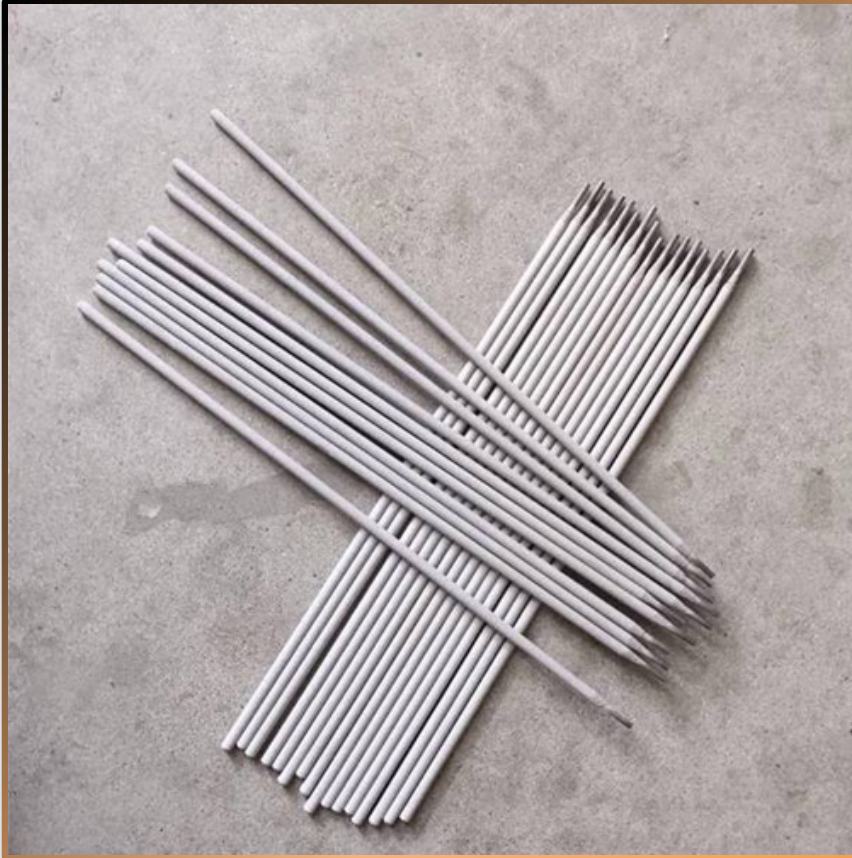


Table Of Content

- [What is ENi-CI Welding Electrodes?](#)
- [Specification of ENi-CI Welding Electrodes](#)
- [Equivalent Grade Of ENi-CI Welding Electrodes](#)
- [Chemical Composition of ENi-CI Welding Electrodes](#)
- [ENi-CI Welding Electrodes Parameters](#)
- [People Searched for Class ENiFe-CI Coated Electrodes](#)
- [Supply Cities of ENi-CI Welding Electrodes](#)
- [Export Countries of ENi-CI Welding Electrodes](#)

The **ENi-CI electrodes** from Metals And Welding Specialities are nickel-based and coated to provide stable arc characteristics and smooth weld metal deposition. They are particularly effective for welding grey cast iron, nodular cast iron, and joining cast iron to steel. The high nickel content ensures that the weld metal has a lower thermal expansion coefficient compared to cast iron, reducing stress and minimizing the risk of cracking during welding.

ENi-CI Welding Electrodes, ENi-CI Welding Electrodes Manufacturers, ENi-CI Welding Electrodes Suppliers, ENi-CI Welding Electrodes Stockists, ENi-CI



Welding Electrodes Exporters

Metals And Welding Specialities' **ENi-CI Welding Electrodes** deliver consistent weld quality with easy slag removal and excellent bead appearance. They can be used in a variety of positions, making them versatile for workshop as well as field applications. The electrodes are ideal for repairing engine blocks, gear housings, machine bases, pump bodies, and other cast iron machinery components. Due to their superior mechanical properties, they also offer excellent resistance to thermal shock, which is crucial in high-temperature operating conditions.

When it comes to reliability, Metals And Welding Specialities ensures strict quality control at every stage of production. The **ASTM A5.11 ENi-CI** coated electrodes meet global standards and are trusted by professionals across automotive, heavy machinery, marine, and foundry industries. The electrodes provide a machinable weld deposit, allowing easy finishing and precise dimensional adjustments after welding.



ENi-CI Welding Electrodes in India, ENi-CI Welding Electrodes Manufacturers in India, ENi-CI Welding Electrodes Suppliers in India, ENi-CI Welding Electrodes Stockists in India, ENi-CI Welding Electrodes Exporters in India

Choosing **UNS W86002 ENi-CI electrodes** from Metals And Welding Specialities means opting for products that deliver not just superior metallurgical performance but also long-term dependability. With years of expertise in supplying welding consumables, Metals And Welding Specialities stands as a reliable partner for industries that demand consistent quality, certified standards, and competitive pricing.

For projects that require welding dissimilar metals, **ENi-CI electrodes** provide excellent adaptability. They enable joining cast iron to steel and other ferrous alloys without compromising on strength or weld integrity. Their balanced composition ensures low residual stresses, making them a preferred choice for critical repairs where failure is not an option.

Metals And Welding Specialities continues to lead the market by offering electrodes that combine advanced manufacturing, strict compliance with universal standards, and customer-focused service. By supplying **ENi-CI Welding Electrodes**, Metals And Welding Specialities reinforces its commitment to providing welding solutions that meet the most demanding industrial requirements.

Specification ENi-CI Welding Electrodes



Classification	AWS A5.11, A5.1, ENi-CI
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)

ENi-CI Coated Electrodes Application & uses

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

Equivalent Grade Of ENi-CI Welding Electrodes



Class	UNS	Oxford Alloys	UTP	ESAB
ENi-CI	W82001	Alloy 99	UTP 8	OK NI-CL

ENi-CI Welding Electrodes Chemical Composition



C	Mn	Si	S	Fe	Ni+ incidental Cobalt	Cu + incidental Silver	AL	Other
2.0	2.5	4.0	0.03	Remainder	45-60	2.5	1.0	1.0

ENi-CI 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

AWS Class ENi-CI, ENi-CI Coated Electrodes, ASTM A5.11 ENi-CI, UNS W86002, nickel cast iron electrodes, machinable cast iron electrodes, welding rods for cast iron, ENi-CI welding rods, high nickel welding electrodes, cast iron repair electrodes, AWS A5.11 electrodes, ENi-CI nickel rods, cast iron joining electrodes, grey iron welding electrodes, nodular iron electrodes, ENi-CI stick electrodes, nickel alloy electrodes, AWS ENi-CI welding rods, UNS W86002 welding consumables, cast iron welding rods, machinable welding electrodes, ASTM A5.11 electrodes, ENi-CI arc welding electrodes, cast iron to steel welding rods, nickel iron

welding rods, high strength electrodes for cast iron, AWS A5.15 ENi-CI comparison, ENi-CI electrode suppliers, welding consumables UNS W86002, Metals And Welding Specialities ENi-CI electrodes, universal standard ENi-CI electrodes, ASTM ENi-CI coated rods, AWS ENi-CI electrode manufacturer, cast iron electrode UNS W86002, weld rods ENi-CI ASTM A5.11, nickel stick welding rods, ENi-CI electrodes machinability, premium cast iron welding electrodes, Metals And Welding Specialities welding solutions.