

Metals And Welding Specialities is a trusted supplier of **ENi-1 Welding Electrodes**, a premium solution for nickel welding applications. Designed with superior metallurgical properties, these electrodes are manufactured under stringent quality standards to meet the exact needs of industries that require consistent weld integrity and long-lasting performance. The **UNS W86001** composition of AWS Class ENi-1 ensures excellent ductility and mechanical strength, making it the preferred choice for fabrications involving pure nickel. With compliance to **ASTM ENi-1 Universal Standard**, these electrodes are widely used across sectors demanding precision and reliability.

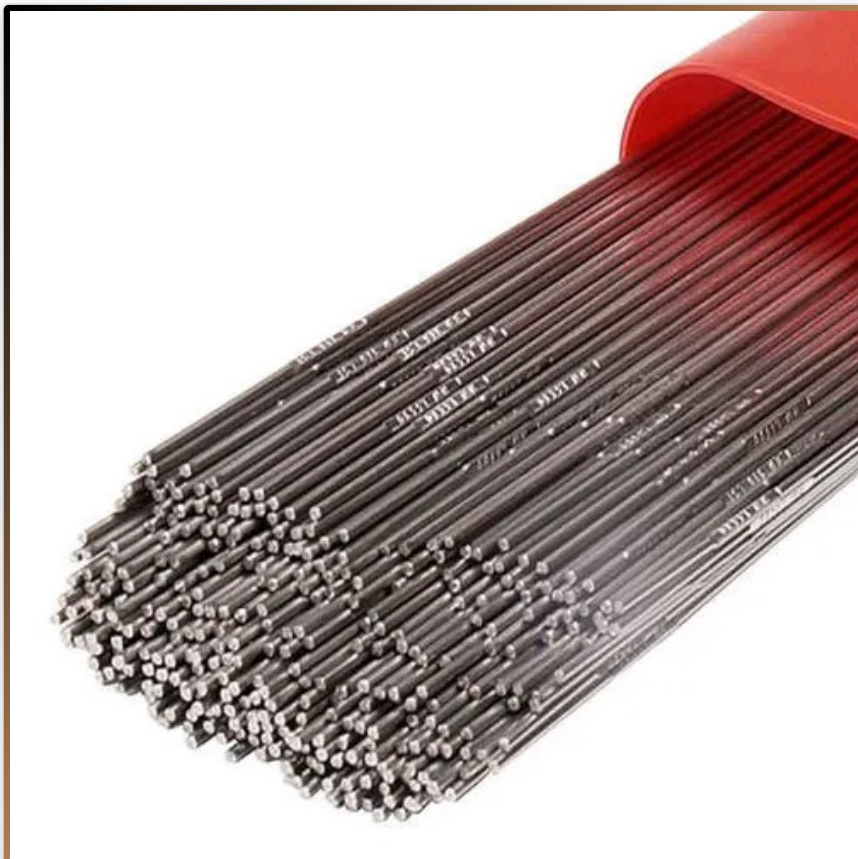


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The **ENi-1 Welding Electrodes** provide outstanding resistance to corrosive environments, especially in caustic and neutral media. Their high purity nickel core wire and carefully formulated flux coating deliver smooth arc stability and spatter-free welding. These electrodes minimize porosity while ensuring clean, crack-resistant weld deposits. The controlled chemistry of **UNS W86001** allows welds to maintain strength even under severe service conditions, making them highly suitable for process equipment, chemical handling units, and food-grade manufacturing setups.



ENi-1 Welding Electrodes, ENi-1 Welding Electrodes Manufacturers, ENi-1 Welding Electrodes Suppliers, ENi-1 Welding Electrodes Stockists, ENi-1 Welding Electrodes Exporters

Industries value **ASTM ENi-1 Universal Standard** electrodes because they are versatile in both fabrication and repair work. They can be used for joining nickel to nickel, nickel to stainless steel, and for surfacing applications where superior resistance to corrosive or reducing agents is required. The **ENi-1 Welding Electrodes** are known for their ease of use, making them suitable for flat, horizontal, vertical, and overhead positions, ensuring welders achieve consistent results across all applications.

The outstanding weldability of **AWS Class ENi-1** makes it ideal for equipment exposed to alkali, salt solutions, and weak acids. In power generation plants, petrochemical industries, and marine environments, the **UNS W86001** nickel-based electrodes are preferred for their high-temperature stability and resistance to oxidizing conditions. Whether in the construction of tanks, piping systems, or reactors, **ASTM ENi-1** coated electrodes stand out as a dependable choice that guarantees strength, durability, and long-term service life.



ENi-1 Welding Electrodes in India, ENi-1 Welding Electrodes Manufacturers in India, ENi-1 Welding Electrodes Suppliers in India, ENi-1 Welding Electrodes Stockists in India, ENi-1 Welding Electrodes Exporters in India

Metals And Welding Specialities ensures that each batch of **ENi-1 Welding Electrodes** is tested for consistency and adherence to international standards. The electrodes are packaged carefully to prevent moisture pickup, thereby preserving the quality of weld deposits. Customers across the globe rely on Metals And Welding Specialities for timely supply, competitive pricing, and technical expertise in welding solutions.

With their superior chemical composition, mechanical properties, and adherence to **ASTM ENi-1 Universal Standard**, Metals And Welding Specialities' **ENi-1 Welding Electrodes** are the first choice for industries looking to achieve robust, corrosion-resistant welds.

Specification ENi-1 Welding Electrodes



Classification	AWS A5.11, A5.1, ENi-1
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-1 Coated Electrodes Application & uses

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

Equivalent Grade Of ENi-1 Welding Electrodes



Class	UNS	Oxford Alloys	Special Metals	UTP	ESAB
ENi-1	W82141	Alloy 141	NICKEL WELDING ELECTRODE 141	UTP 80 NI	OK NI-1

ENi-1 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	8.0	85 min	2.5	1.0	1.0

ENi-1 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-1, UNS W86001, ASTM ENi-1, Nickel Welding Electrodes, Pure Nickel Electrodes, Nickel UNS W86001, Nickel AWS ENi-1, ASTM ENi-1 Welding Rod, ENi-1 Welding Electrodes, Nickel UNS Electrodes, AWS ENi-1 UNS W86001, Nickel Alloy ENi-1, ASTM Nickel ENi-1, Nickel Welding Rods ASTM ENi-1, UNS W86001 Welding Rods, Nickel Coated Electrodes AWS ENi-1, ASTM ENi-1 Nickel Rod, Nickel UNS W86001 Electrodes, AWS ENi-1 Standard, ENi-1 Universal Standard, Nickel Alloy Welding ASTM ENi-1, UNS W86001 Nickel Alloy Rods, ASTM ENi-1 Weld Consumables, Pure Nickel UNS W86001, ENi-1 AWS Standard, Nickel Coated

Welding Electrodes ENi-1, AWS Class ENi-1 Nickel Electrodes, ASTM ENi-1 UNS W86001 Rods, Nickel Electrodes for Chemical Plants ENi-1, UNS W86001 AWS Class ENi-1, ASTM ENi-1 Nickel Welding Consumables, AWS ENi-1 for Corrosion Resistance, UNS W86001 Nickel Welding Materials, Nickel AWS ENi-1 Coated Electrodes, ASTM ENi-1 Nickel Welding Products, UNS W86001 Standard Nickel Electrodes, ENi-1 ASTM Nickel Standard.