

Metals And Welding Specialities offers high-quality **E309/309H-16 Welding Electrodes**, designed for superior performance in welding applications requiring stainless steel fillers. These electrodes are produced according to **ASTM A240 Grade 309/309L** standards, covering UNS S30900 and UNS S30908 alloys, which ensures durability, strength, and excellent metallurgical properties. As a trusted supplier, Metals And Welding Specialities ensures every electrode maintains consistency, reliability, and precision in welding performance.



Table Of Content

- [What is E309/309H-16 Welding Electrodes?](#)
- [Specification of E309/309H-16 Welding Electrodes](#)
- [Equivalent Grade Of E309/309H-16 Welding Electrodes](#)
- [Chemical Composition of E309/309H-16 Welding Electrodes](#)
- [E309/309H-16 Welding Electrodes Parameters](#)
- [People Searched for E309/309H-16 Welding Electrodes](#)
- [Supply Cities of E309/309H-16 Welding Electrodes](#)
- [Export Countries of E309/309H-16 Welding Electrodes](#)

The **E309/309H-16 Welding Electrodes** are widely recognized for their outstanding weldability and resistance to oxidation at elevated temperatures. With their low carbon content, they minimize carbide precipitation during welding, which significantly enhances intergranular corrosion resistance. This makes them highly suitable for joining dissimilar metals such as stainless steel to carbon steel, as well as for overlays on carbon steel where superior corrosion resistance is required.



E309/309H-16 Welding Electrodes, E309/309H-16 Welding Electrodes Manufacturers, E309/309H-16 Welding Electrodes Suppliers, E309/309H-16 Welding Electrodes Stockists, E309/309H-16 Welding Electrodes Exporters

These electrodes are formulated with a rutile coating, ensuring a stable arc, smooth bead appearance, and easy slag removal. Weld deposits created by **E309/309H-16 electrodes** exhibit excellent mechanical strength, toughness, and resistance to scaling up to 1000°C. Industries such as petrochemical, power generation, chemical processing, and marine engineering rely heavily on this electrode for its versatility and reliability in demanding environments.

The universal applications of **UNS S30900** and **UNS S30908** based electrodes include cladding, maintenance welding, fabrication, and repair operations. These electrodes are also highly recommended when welding between stainless steel plates and carbon steel plates, ensuring a strong metallurgical bond while maintaining corrosion resistance. Their ability to withstand high service temperatures makes them a preferred choice for furnace components, heat exchangers, boilers, and pressure vessels.



E309/309H-16 Welding Electrodes in India, E309/309H-16 Welding Electrodes Manufacturers in India, E309/309H-16 Welding Electrodes Suppliers in India, E309/309H-16 Welding Electrodes Stockists in India, E309/309H-16 Welding Electrodes Exporters in India

Metals And Welding Specialities manufactures and supplies **E309/309H-16 Welding Electrodes** that meet international quality standards and customer-specific requirements. The electrodes are packed securely to preserve their quality and performance during storage and transportation. With a strong focus on customer satisfaction and technical excellence, Metals And Welding Specialities remains a leading source for premium stainless steel welding electrodes.

When choosing **ASTM A240 Grade 309/309L electrodes**, customers can be confident in their ability to handle demanding welding jobs while maintaining a balance of weldability, strength, and corrosion resistance. The combination of **UNS S30900** and **UNS S30908** alloys provides long-lasting performance across a wide spectrum of industrial environments, making these electrodes an essential solution for critical welding needs.

Specification E309/309H-16 Welding Electrodes



Classification	AWS A5.4, E309/309H-16
Form	Welding Electrode, Welding Rods
Type Of Current	AC-DCEP (Direct Current Electrode Positive)
Welding Position	F, V, OH, H
Size	2.0 mm, 2.50 mm, 3.15 mm, 4.00 mm, 5.0 mm
AC/DC+	AC or DC (+)
JIS Specification	BS 2926 19.9 A R
Other Specification	DIN 8556 E19 9 R 23 A

**AWS E309/309H-16
Coated Electrodes Application & uses**

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

Equivalent Grade Of E309/309H-16 Welding Electrodes



Class	UNS	Oxford Alloys
E309/309H-16	W30813	Alloy 309/309H-16

E309/309H-16 Welding Electrodes Chemical Composition



C	Cr	Ni	Mo	Mn	Si	P	S	Cu
0.04	22.0-25.0	12.0-14.0	0.75	0.5-2.5	1.00	0.04	0.03	0.75

E309/309H-16 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 E309-16 electrodes, AWS E309L-16 electrodes, ASTM A240 309, ASTM A240 309L, UNS S30900 electrodes, UNS S30908 electrodes, stainless steel coated electrodes, welding rods 309 309L, stainless welding electrode 309/309L, rutile coated stainless electrode, high temperature stainless electrodes, stainless steel welding rod 309, stainless steel welding rod 309L, E309 stainless electrodes, E309L stainless electrodes, welding rod for stainless to carbon steel, stainless steel electrodes for overlay, heat resistant welding electrodes, E309 electrodes supplier, E309L electrodes manufacturer, 309 stainless steel welding rod, 309L

stainless steel welding rod, ASTM Grade 309 electrodes, ASTM Grade 309L electrodes, UNS S30900 welding rods, UNS S30908 welding rods, stainless steel stick electrodes, coated electrodes 309, coated electrodes 309L, stainless steel welding consumables, electrodes for petrochemical industry, electrodes for boilers, electrodes for pressure vessels, stainless steel cladding electrodes, corrosion resistant stainless electrodes, stainless electrodes for dissimilar metals, high strength stainless welding electrodes, Metals And Welding Specialities 309/309L electrodes