

# E310H



Metals And Welding Specialities Supplying to over 40+ countries including USA, Europe, Middle East, Asia.

## Product Overview

Metals And Welding Specialities is a trusted supplier of **E310H Welding Electrodes**, providing premium stainless steel welding consumables for industries that operate under **high-temperature and corrosive service conditions**. **E310H** is a high-carbon austenitic stainless steel electrode specifically developed for welding **heat-resistant stainless steels and high-alloy cast steels**. It offers **excellent oxidation resistance, superior creep strength, and reliable high-temperature performance**, making it suitable for applications operating up to approximately **1000°C**. Its stable arc, smooth weld bead, and excellent mechanical properties ensure dependable welding performance in demanding industrial environments.

## Domestic Market Demand

The demand for **E310H Welding Electrodes Manufacturer** is steadily growing across India as industries continue to invest in high-temperature processing equipment and industrial expansion. Manufacturing sectors require reliable welding consumables capable of maintaining strength and structural integrity under prolonged heat exposure. Industries prefer E310H welding electrodes for applications where **heat resistance, oxidation resistance, and long service life** are critical.

## High Demand Across India

The demand for **E310H Welding Electrodes Suppliers** is high in industrial states such as **Maharashtra, Gujarat, Tamil Nadu, Karnataka, Telangana, Andhra Pradesh, Odisha, Chhattisgarh, Rajasthan, and West Bengal**. These states have a strong presence of steel plants, petrochemical facilities, power stations, cement manufacturing units, and heavy engineering industries that require high-temperature stainless steel welding consumables. Continuous industrial development and infrastructure projects continue to drive domestic demand.

## Growing Domestic Applications

The Indian market for **E310H Welding Electrodes Exporters** continues to expand due to increasing demand for welding materials capable of performing under elevated temperatures. These electrodes are widely used for welding **furnace components, heat treatment equipment, boilers, reformer tubes, kilns, pressure vessels, and heat exchangers**. Their excellent resistance to oxidation and thermal fatigue helps improve equipment reliability while reducing maintenance requirements.

## Industry Applications

### Steel Industry

The **Steel Industry** is one of the largest consumers of **E310H Welding Electrodes Manufacturer in India**. High-temperature equipment such as **furnaces, reheating furnaces, soaking pits, kiln components, and heat treatment systems** requires welding consumables capable of maintaining strength at elevated temperatures. E310H provides **excellent oxidation resistance** and dependable weld quality, helping extend equipment life and improve production efficiency.

### Petrochemical Industry

The **Petrochemical Industry** also has significant demand for **E310H Welding Electrodes Suppliers in India** because processing equipment operates under continuous high temperatures and corrosive conditions. These electrodes are commonly used for welding **reformer tubes, reactors, pressure vessels, heat exchangers, and furnace components**. Their superior resistance to heat and oxidation ensures reliable performance, minimizes maintenance, and supports long-term plant operations.

### Nationwide Distribution

A strong distribution network ensures the availability of **E310H Welding Electrodes Stockists in India** across major industrial cities and manufacturing hubs in India. Ready stock, prompt deliveries, and consistent product quality help manufacturers, fabricators, and maintenance contractors complete projects efficiently while meeting industry standards.

### Supply Opportunities Across India

The rapid growth of India's steel manufacturing, petrochemical processing, and heavy engineering sectors has created strong opportunities for **E310H Welding Electrode, Manufacturers, Suppliers, and Stockists**. As industries continue to prioritize **high-performance welding solutions** for elevated temperature applications, the domestic demand for E310H welding electrodes is expected to grow steadily in the coming years.

### Equivalent Grade of E310H Welding Electrodes

Class	UNS	Oxford Alloys	BOHLER	UTP
E310-16	W31010	Alloy 310-16	BOHLER FOX FFB - A	UTP 68 H

### E310H Welding Electrodes Chemical Composition

C	Cr	Ni	Mo	Mn	Si	P	S	Cu
0.08-0.20	25.0-28.0	20.0-22.5	0.75	1.0-2.5	0.75	0.03	0.03	0.75

## E310H 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

## Specification E310H Welding Electrodes

<b>Classification</b>	<b>AWS A5.4, E310-16</b>
<b>Form</b>	Welding Electrode, Welding Rods
<b>Type Of Current</b>	AC-DCEP (Direct Current Electrode Positive)
<b>Welding Position</b>	F, V, OH, H
<b>Size</b>	2.0 mm, 2.50 mm, 3.15 mm, 4.00 mm, 5.0 mm
<b>AC/DC+</b>	AC or DC (+)
<b>JIS Specification</b>	BS 2926 19.9 A R
<b>Other Specification</b>	DIN 8556 E19 9 R 23 A
<b>AWS E310-16 Coated Electrodes Application &amp; uses</b>	Petroleum Chemical plant Power sector Gas Industry Hardware tools Metallurgy Machinery Construction Shipbuilding

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