

Metals And Welding Specialities is a trusted manufacturer and supplier of premium welding consumables, and the **E312-16 Welding Electrodes** stand out as one of the most reliable products for demanding applications. Designed to meet global standards, these electrodes conform to ASTM A240 Grade 312 and carry the UNS S31200 designation, ensuring unmatched quality and consistency. They are widely recognized for their excellent ability to handle dissimilar welding tasks, superior corrosion resistance, and outstanding mechanical properties even under extreme conditions.



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The **E312-16 Coated Electrodes** are manufactured with a rutile-coated formulation that delivers smooth arc stability, minimal spatter, and easy slag removal, making them highly efficient for welders. Their deposition efficiency is excellent, allowing for consistent weld strength and reducing downtime. Metals And Welding Specialities ensures that every batch of electrodes passes rigorous testing to maintain compliance with international standards. These electrodes are particularly suited for joining dissimilar steels, stainless steels to carbon steels, and applications that demand toughness and resistance to cracking.



E312-16 Welding Electrodes, E312-16 Welding Electrodes Manufacturers, E312-16 Welding Electrodes Suppliers, E312-16 Welding Electrodes Stockists, E312-16 Welding Electrodes Exporters

One of the remarkable features of the **AWS Class E312-16 electrodes** is their high chromium and nickel content, which provides exceptional resistance to oxidation, scaling, and aggressive environments. Industries that deal with high-temperature equipment, chemical processing, petrochemicals, and power generation rely on these electrodes for their durability and high performance. They are also widely used in fabrication, repair, and maintenance work where dissimilar metal joining is required. The strong weld deposit, combined with superior corrosion resistance, makes them ideal for applications exposed to chloride environments and corrosive media.

Metals And Welding Specialities supplies **UNS S31200 electrodes** in various sizes to meet the specific needs of customers. Each electrode is manufactured to deliver excellent penetration and smooth bead appearance, ensuring structural integrity and long service life. Their universal acceptance under ASTM A240 Grade 312 standards guarantees that they are compatible with a wide range of industrial requirements worldwide.



E312-16 Welding Electrodes in India, E312-16 Welding Electrodes Manufacturers in India, E312-16 Welding Electrodes Suppliers in India, E312-16 Welding Electrodes Stockists in India, E312-16 Welding Electrodes Exporters in India

When you choose Metals And Welding Specialities for **AWS E312-16 coated electrodes**, you are choosing reliability, expertise, and uncompromising quality. The company has built a reputation for delivering welding solutions that exceed industry expectations. With consistent mechanical properties, high tensile strength, and excellent weldability, these electrodes provide the confidence industries need to operate efficiently and safely.

Whether it is repairing worn-out machine components, fabricating stainless steel equipment, or ensuring reliable performance in chemical plants, **AWS Class E312-16 electrodes** from Metals And Welding Specialities offer a versatile and cost-effective solution. Their durability, compliance with ASTM A240 Grade 312, and conformity with UNS S31200 standards make them a preferred choice across global markets.

Specification E312-16 Welding Electrodes



Classification	AWS A5.4, E312-16
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 E312-16 Coated Electrodes Application & uses	Petroleum Chemical plant Power sector Gas Industry Hardware tools Metallurgy Machinery Construction Shipbuilding

Equivalent Grade Of E312-16 Welding Electrodes



Class	UNS	Oxford Alloys	BOHLER
E312-16	31310	Alloy 312-16	BOHLER FOX CN 29/9-A E312-17

E312-16 Welding Electrodes Chemical Composition



C	Cr	Ni	Mo	Mn	Si	P	S	Cu
0.15	28.0-32.0	8.0-10.5	0.75	0.5-2.5	1.00	0.04	0.03	0.75

E312-16 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 E312-16 electrodes, UNS S31200 electrodes, ASTM A240 Grade 312 welding rods, stainless steel E312-16 electrodes, E312-16 welding electrode suppliers, Metals And Welding Specialities E312-16, E312-16 rutile coated electrodes, stainless steel welding electrodes AWS E312-16, ASTM A240 312 electrodes, high corrosion resistant electrodes, E312-16 electrodes manufacturers, UNS S31200 coated electrodes, E312-16 stainless electrodes, ASTM A240 312 welding consumables, AWS E312-16 stainless

steel rods, electrodes for dissimilar steel welding, oxidation resistant electrodes, stainless repair electrodes, chemical industry welding electrodes, petrochemical welding electrodes, power plant welding rods, E312-16 stainless repair rods, heat resistant electrodes UNS S31200, stainless dissimilar metal welding electrodes, AWS E312-16 corrosion resistant electrodes, Metals And Welding Specialities stainless welding rods, E312-16 universal standard electrodes, high nickel chromium electrodes, AWS E312-16 stainless joining rods, E312-16 electrodes for fabrication, AWS Class E312-16 stainless steel welding, ASTM Grade 312 stainless electrodes, welding electrodes UNS S31200, stainless steel rods ASTM A240 312, AWS coated stainless electrodes, durable welding electrodes stainless 312, industrial stainless welding rods, dissimilar welding electrodes ASTM A240, AWS E312-16 maintenance electrodes.