The **Techrod 112 Welding Electrodes** from **Metals And Welding Specialities** are premium-quality stainless steel electrodes engineered for exceptional performance in demanding fabrication and repair applications. Manufactured with precision and designed for reliable arc stability, these electrodes deliver outstanding weld integrity even under challenging operating conditions. Classified under **UNS W88112** and conforming to **ASTM A5.4 E310-16** standards, TECHROD 112 ensures superior resistance to oxidation, corrosion, and scaling in high-temperature environments.

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These **stainless steel welding electrodes** are primarily used for joining and overlaying heat-resistant austenitic steels and cast alloys. The electrode's high chromium and nickel content contributes to remarkable structural stability, making it ideal for service temperatures reaching up to 1200°C (2200°F). Whether in chemical plants, furnaces, or petrochemical facilities, **TECHROD 112** guarantees consistent performance and long-lasting durability. Its weld deposits are smooth, slag is easy to remove, and the final finish requires minimal post-weld cleaning — an important advantage in precision welding projects.

Techrod 112 Welding Electrodes, Techrod 112 Welding Electrodes Manufacturers, Techrod 112 Welding Electrodes Suppliers, Techrod 112 Welding Electrodes Stockists, Techrod 112 Welding Electrodes Exporters

Metals And Welding Specialities ensures that every batch of **TECHROD 112** electrodes undergoes rigorous quality control to meet international standards for metallurgical consistency and performance. The special coating formulation enhances arc stability, minimizes spatter, and ensures excellent bead appearance. It performs exceptionally well on both AC and DC power sources, providing welders with flexibility across a wide range of industrial applications.

The **Techrod 112 Welding Electrodes** are highly recommended for welding **heat-resistant steels** such as AISI 310 and other stainless grades of similar composition. They are also suitable for cladding carbon or low-alloy steels that require corrosion and heat resistance. These electrodes are widely used in sectors like power generation, cement production, oil refineries, and furnace fabrication, where high temperature and corrosive atmospheres demand materials with reliable metallurgical stability.

Techrod 112 Welding Electrodes in India, Techrod 112 Welding Electrodes Manufacturers in India, Techrod 112 Welding Electrodes Suppliers in India, Techrod 112 Welding Electrodes Stockists in India, Techrod 112 Welding Electrodes Exporters in India

Welders prefer **TECHROD 112** not only for its strong metallurgical bond and easy handling characteristics but also for its consistent performance in vertical, horizontal, and overhead welding positions. The low carbon content of its weld deposit minimizes the risk of intergranular corrosion, ensuring long-term mechanical strength and thermal resistance. Backed by the trusted expertise of Metals And Welding Specialities, this electrode remains a dependable choice for industrial professionals who demand precision, quality, and durability from every weld.

For industries that cannot compromise on quality, **Metals And Welding Specialities** stands as a reliable source for top-grade welding consumables like TECHROD 112. With its adherence to **ASTM A5.4 E310-16** and identification under **UNS W88112**, this electrode exemplifies the perfect combination of technological innovation and manufacturing excellence.

Specification Techrod 112 Welding Electrodes

Classification	**AWS A5.11, ENiCrMo-3**
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)

Techrod 112 Coated Electrodes Application & uses	Petroleum Chemical plant Power sector Gas Industry Hardware tools Metallurgy Machinery Construction Shipbuilding

Equivalent Grade Of Techrod 112 Welding Electrodes

Brand / Standard	Equivalent Grade	AWS Classification	DIN Standard	EN ISO
Techrod	Techrod 112	E6013	E 38 0 R 12	ISO 2560-A: E 38 0 R 11

Techrod 112 Welding Electrodes Chemical Composition

Classification	%C	%Cr	%Cu	%Fe	%Mn	%Mo	%P	%S	%Si	%Nb+Ta	%Ni+Co
Typical Result	0.04	22.7	0.00	1.4	0.5	8.5	0.01	0.00	0.33	3.55	62.5

Techrod 112 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

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