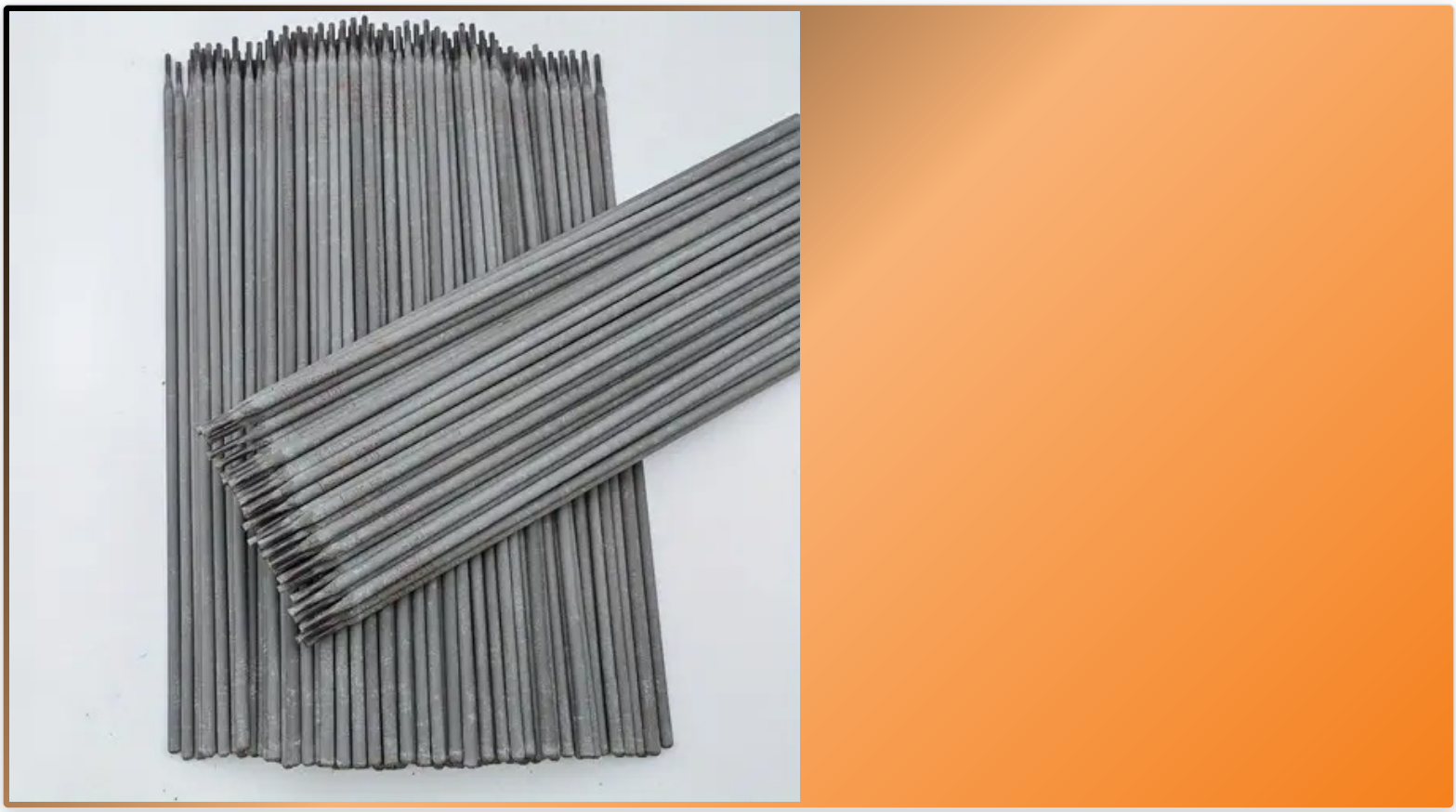
The **StainTrode D Welding Electrodes** from **Metals And Welding Specialities** are engineered for superior performance in welding stainless steels that demand excellent corrosion resistance, mechanical strength, and surface finish. Designed with precision and built to meet international quality standards, these electrodes deliver smooth, stable arcs, easy slag removal, and consistent weld bead appearance. Manufactured to comply with **UNS S30800** and classified under **ASTM A240 Grade 308**, they align with the **Universal Standard AWS A5.4 E308-16**, ensuring reliability and uniformity across all welding applications.



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The **StainTrode D Welding Electrodes** are primarily used for joining and overlaying austenitic stainless steels of similar composition. Their low carbon content minimizes the risk of carbide precipitation during welding, preserving the metal's corrosion resistance even in high-temperature environments. These electrodes are ideally suited for fabricating food processing equipment, chemical storage tanks, heat exchangers, and pressure vessels where hygiene and corrosion resistance are critical. With excellent arc stability and minimal spatter, StainTrode D ensures clean welds with minimal post-weld cleaning requirements.

StainTrode D Welding Electrodes, StainTrode D Welding Electrodes Manufacturers, StainTrode D Welding Electrodes Suppliers, StainTrode D Welding Electrodes Stockists, StainTrode D Welding Electrodes Exporters

Formulated with a specially developed flux coating, these electrodes provide easy re-striking and optimal slag detachability, enhancing operator efficiency. The flux composition also contributes to reduced porosity and improved penetration, resulting in strong, defect-free welds. **Metals And Welding Specialities** has designed StainTrode D to perform consistently across AC and DC power sources, giving welders versatility in diverse environments. Whether working on thin-gauge sheets or heavy structural sections, the electrode maintains its arc stability and bead shape with precision.

Thanks to its balanced alloy chemistry, the **StainTrode D Welding Electrodes** exhibit high resistance to intergranular corrosion and oxidation, even under severe service conditions. They perform exceptionally well in environments containing nitric acid and other oxidizing media. The weld metal produced exhibits a stable austenitic structure with a small amount of ferrite to resist cracking, ensuring durability and reliability over time.

StainTrode D Welding Electrodes in India, StainTrode D Welding Electrodes Manufacturers in India, StainTrode D Welding Electrodes Suppliers in India, StainTrode D Welding Electrodes Stockists in India, StainTrode D Welding Electrodes Exporters in India

Every batch of StainTrode D undergoes strict quality control testing at **Metals And Welding Specialities**' modern manufacturing facilities. From raw material selection to final inspection, each step follows stringent metallurgical standards to guarantee consistent electrode performance. With their proven reliability and high deposit efficiency, these electrodes are the go-to choice for stainless steel welding in the fabrication, maintenance, and repair industries worldwide.

Specification StainTrode D Welding Electrodes

Property	Value
Hardness (as-deposited)	190 BHN
Elongation (room temperature)	35 %
Tensile Strength	95,000 psi (≈ 655 MPa)
Yield Strength	64,000 psi (≈ 440 MPa)
Impact Strength (Charpy V)	35 ft-lb at -150 °F
Ferrite Content	Fully austenitic
Acceptable Current / Polarity	AC or DCEP (+)
Typical Electrode Diameters	2.4 mm (3/32") / 3.2 mm (1/8") / 4.0 mm (5/32")
Typical Current Ranges	65–80 A (2.4 mm) 85–105 A (3.2 mm) 115–135 A (4.0 mm)

Oxidation / Scaling Resistance	Up to about 2100 °F (≈ 1149 °C)

StainTrode D Welding Electrodes Parameters

Parameter	Value
Description	Enhanced chromium-nickel stainless steel electrode for welding dissimilar or unknown stainless steels (chemistry enriched for AISI 310)
Tensile Strength	95,000 psi (655 MPa)
Yield Strength	64,000 psi (440 MPa)
Elongation	35% (room temperature)
Hardness (as-deposited)	BHN 190
Impact Strength (Charpy V)	35 ft·lb at −150°F
Ferrite Content	Fully austenitic
Current & Polarity	AC or DCEP (+)
Available Diameters	3/32" (2.4 mm), 1/8" (3.2 mm), 5/32" (4.0 mm)
Recommended Amperage Ranges	3/32": 65–80 A · 1/8": 85–105 A · 5/32": 115–135 A
High-temperature Oxidation Resistance	Up to 2100°F (≈1149°C)

People Also Searched

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