Felix 680 (AWS-10018G)

Premium Basic Coated Iron Powder Low Hydrogen Type Electrode For Welding Of Fine Grained High Strength Steels .

Special Features

- * Balanced Alloying Elements Provide High Tensile Strength With Good Notch Toughness .
- Good Resistance To Cracking In Conditions Of Impact, Vibration At Service Tempratures Between -60° C To +450° C.
- ★ Low Hydrogen X Ray Quality Weld Deposits With High Metallurgical Purity .
- * Easy Slag Removal, Easy Restrike And Excellent Weld Appearance.

Typical Properties

Applications

- Tensile Strength108000 PSIYield Strength93000 PSIElongation23%Impact Energy ISO-VMin 60 J At -60° C
- Typical Applications Include Offshore Constructions, Process Piping, Storage Tanks, Nickel Molybedenum Steels, Heavy Structures, Pressure Vessels, Bridges, Heavy Machinery, Penstocks And Fabrication Of Quenched And Tempered Low Alloy High Strength Steels.

International Specifications AWS/ASME A5.5: E10018-G

Recommended Amperage Settings

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Diameter (mm)	3/32 (2.5)	1/8 (3.15)	5/32 (4.0)	3/16 (5.0)	
Length	350	350	350	450	
Minimum Amperage	60	90	130	180	
Maximum Amperage	85	130	180	230	

Welding Techniques

Clean Weld Area . Keep Electrodes Dry And Re-Dry The Electrodes If Necessary At 300° C For 2 Hour . Stringer Beads Or Weaving Technique Can Be Used . Maintain Short Arc For Best Mechanical Properties . For Best Results DC Reverse Polarity .





A Quality Product From Ferrite

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