

Overview

Special Cobalt Alloy Formulated for Severe Conditions

Unique bi-allotropic microstructure created from alloyed cobalt wire provides super toughness and outstanding hardness, corrosion resistance and stability at temperatures approaching 2,000°F (1,100°C).



Features/Benefits

- Highest impact resistance of any known cobalt alloy
- Work-hardens in service
- Excellent corrosion and erosion resistance at all temperatures
- Outstanding metal-to-metal wear
- Smooth, dense, crack-free weld deposits
- Low-amperage operation promotes less base-metal dilution, which requires fewer deposit layers and achieves outstanding properties over conventional arc-welding electrodes
- Less crack-sensitive than any other extruded or cast cobalt alloy
- Exclusive formula solid solution strengthening mechanisms promote low-temperature effectiveness, and stability at high, elevated temperatures
- Excellent slag removal and instant restart action

Method of Application

AC or DC straight or reverse polarity

Identification

Printed gray electrode

Directions for Use

Clean surface to be welded. Use AC or DC polarity. Short stringer beads only. Remove slag between passes

Directions for Use

Hardness: Up to Rc 42, Work hardened
Compressive Strength: To 230,000 PSI (1,586 MPa)

