



# Alloy C



## Nickel-Based Electrode for Hastelloy Materials

- *Outstanding hardness retention – even at elevated temperatures.*
- *Outwears most hotwork tool steels – yet is entirely machinable.*
- *Provides excellent corrosion resistance.*

**TRUST** *Ease of Application*  
**MAGNA** *Wide Versatility*  
**FOR** *Outstanding Physical Properties*



# SPECIAL FEATURES

**Magna Alloy C Nickel-Based Electrode for Hastelloy Materials** is the "Problem Solver".

- **Magna Alloy C** is engineered to provide superior hardness retention – even at elevated temperatures.
- **Magna Alloy C** outwears most hotwork tool steels, yet is entirely machinable.
- **Magna Alloy C** gives excellent resistance to corrosion.

# OUTSTANDING PROPERTIES

**Magna Alloy C is the nickel-based electrode for hastelloy materials that:**

- Contains high cobalt, tungsten, nickel, chromium and molybdenum for extra high physical properties – even at elevated temperatures.
- Is especially good in applications requiring contact with nitric acid, phosphoric acids, hypochlorites and organic acids as well as chlorine and mixed acids.
- Has a tensile strength to 98,000 p.s.i (69 kg/mm<sup>2</sup>).
- Can be forged.
- Provides superb weldability.

# USE FOR

**Magna Alloy C (for AC & DC)** is perfect for joining as well as overlaying high nickel alloys such as:

Hastelloy Alloys C, B, F, G, N & X • Inconel • Ilium • Monel • Dissimilar Nickel Alloys

Use **Magna Alloy C** on the toughest jobs, including:  
Acid & Chemical Tanks • Valves & Pipelines • Steel Mill Billet Tongs • Blister Bar Tongs • Crane Tong Bits • Hot Trimmer Dies • Sizing Punches & Rings • Hot Shear Blades • Mill Guides • Shafts • Rams • Piercing Tools • Ladles



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