

# BCM Electrocast-99

|                                                                                    |                                                                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------|
| A nickel-based electrode engineered for welding and restoring cast iron components | <b>Classification</b><br>AWS A 5.15 ENiCl   Alloy Base: Ni, Si |
|------------------------------------------------------------------------------------|----------------------------------------------------------------|

BCM Electrocast-99 is a nickel-based electrode engineered for welding and restoring cast iron components. Its formulation delivers near-pure nickel weld metal with exceptional arc stability, producing crack-free, machinable deposits ideal for precision repair and reclamation in demanding service environments.

## TYPICAL ALL - WELD METAL PROPERTIES

| Chemical Composition | Mechanical Properties                                                                   |
|----------------------|-----------------------------------------------------------------------------------------|
| Alloy Base: Ni, Si   | Tensile Strength : 35 KG/mm <sup>2</sup> (50,000 psi)<br>UTS : 28–31 kg/mm <sup>2</sup> |

## TYPICAL APPLICATIONS

Suitable for repair and reclamation of grey cast iron, SG iron, and malleable cast iron components; filling blowholes and casting defects; joining cast iron to dissimilar metals such as steel or copper alloys; rebuilding worn parts including valve bodies, pump casings, and engine blocks; and applications requiring a machinable deposit such as machine tools and compressor parts.

## CURRENT RANGE & PACKING DATA

| Size(mm) | Length(mm) | Current (amps) | Weight of a carton (KG) | Weight of a packet (KG) |
|----------|------------|----------------|-------------------------|-------------------------|
| 3.15     | 350        | 65 - 95        | 16                      | 02                      |
| 4.00     | 350        | 80 - 130       | 16                      | 02                      |
|          |            |                |                         |                         |
|          |            |                |                         |                         |
|          |            |                |                         |                         |

**PACKING:** Electrodes are packed in packets and these packets are shrink wrapped in a carton box.