

Bronze Weld A2 (USA)

Classification

AWS.A5.7 ERCuAl-A2
UNS C61800

Description

Bronze Weld-A2 filler metal is an intermediate-strength aluminum bronze alloy used for welding aluminum bronze plate fabrications and for joining dissimilar metals such as cast iron, carbon steels, copper, bronze and copper-nickel materials

Application

Bronze Weld-A2 applications include wear surface reconstruction, casting repair, general maintenance and galvanized sheet metal fabrication when high strength welds are required

Shielding Gas

Welding grade Argon for GTAW (TIG)

Chemical Composition of Solid Wire

| Cu | Zn | Fe | Si | Al | Pb | Total Others |
|---------|--------------|-----------|--------------|------------|--------------|--------------|
| Balance | 0.02 Max. | 0.5 – 1.5 | 0.10 Max. | 8.5 – 11.0 | 0.02 Max. | 0.50 Max. |

Typical Mechanical Properties of Weldmetal

| Tensile strength | Yield strength | Elongation |
|------------------|----------------|------------|
| 540 MPa | 270 MPa | 28% |

Packaging

| | | | |
|-------------|-----|-----|-----|
| Diam. (mm) | 1.6 | 2.4 | 3.2 |
| Pack | 5kg | 5kg | 5kg |
| Length (mm) | 915 | 915 | 915 |

| Diam. | 5kg Pack |
|-------|----------|
| 1.6mm | CTWA216 |
| 2.4mm | CTWA224 |
| 3.2mm | CTWA232 |

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