

## AI-0801

### Specifications

**ASME** IIC SFA 5.6: CuAl-A2

### Description and Applications

Basic coated electrode for welding aluminium bronze and for surfacing of all parts subject to metal-to-metal wear under heavy pressure, combined with corrosion.

**Applications include:** Propellers and shafts; seawater desalination equipment; gears, conveyor screws and friction bearings.

### Typical Weldmetal Analysis

Al	Fe	Cu
8.00	0.25	Bal

### Mechanical Properties of Weldmetal

	As Welded
Tensile Strength	320 MPa
Yield Strength (0.2%)	130 MPa
Elongation	30% (4d)
Hardness	125 HRb

### Welding Instructions

Dry electrodes for one hour at 250°C prior to welding.

### Welding Parameters

Diameter (mm)	Current type	Amps
3.2	DC	110-130
4.0	DC	120-150

Also Available as **AI-1788** MIG Wire

### Welding Positions

(1G, 1F) Downhand/flat position, (2F) Horizontal position

### Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy.

All figures subject to change without notice. Batch analysis is available for all products sold. Should you require any further information, please contact us at [sales@alloysint.com.au](mailto:sales@alloysint.com.au)

