

## AI-0779E

### Description and Applications

**AI-0779E** is a manual electrode filled with ultra-hard fused tungsten carbide particles and a special nickel, chrome, boron matrix. The alloy is specially designed for applications involving extreme abrasion and erosion in combination with corrosion. The matrix material is highly resistant to acids, lyes and other corrosive media.

**AI-0779E** can be overlaid onto mild steels, low alloys steels, steel castings, nickel based and stainless alloys.

**Applications include:** Drilling Stabilisers, Conveyor Screws, Scrapers, Mill Plates, Mixer Blades, Drilling Tools etc.

**NOTE:** Care should be taken when welding to use the lowest possible current consistent with good bead characteristics to avoid excessive melting of the tungsten carbide particles. Excellent weldability is one of the characteristics of this electrode.

### Mechanical Properties of Weldmetal

	As Welded
Matrix Fused Cast Carbide	56 HRc 2,400 HV (0.4)

### Available Sizes

Diameter (mm)	Amps
4.0	100
5.0	120
6.0	160

Standard Length: 350mm

Pack Size: 5Kg

### 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)

