

Aluminum Welding Wire & Electrodes

Alloy: WW4043 CTD Conforms to Certification: AWS A5.3
Class: E4043 ASME SFA A5.3

Alloy: E4043 CTD
Weld Process: Manual Metal Arc

AWS Chemical Composition Requirements

Si = 4.5 - 6.0	Zn = 0.10 max
Fe = 0.80 max	Ti = 0.20 max
Cu = 0.30 max	Be = 0.0008 max
Mn = 0.05 max	Al = Remainder
Mg = 0.05 max	Other = 0.05 each - 0.15 max total

Recommended Operation of Welding Rods

Weld parameters are dependent on diameter, of weld material and position of welding including base plate thickness.

Application

E4043 CTD is a coated electrode designed for maintenance welding of aluminums and aluminum alloys, such as 5454, 5154, 6052, 6063, 700 series.

- The proper choice of aluminum filler metal mainly depends on the base metal properties to be achieved and Welding technique. Post weld cracking, corrosion resistance and behavior under elevated temperature also need to be taken into consideration.

- Cracking usually can be minimized by choosing a filler metal alloy of higher alloy content than the base metal.

Deposited Chemical Composition % (Typical)

Si = 5.00	Cu = 0.20
Ti = 0.11	Al = Balance

