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AL-43 Electrode

◆ INTRODUCTION

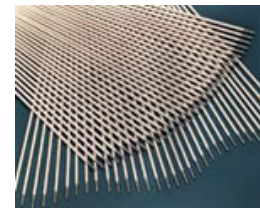
Aufhauser AL-43 Electrode is designed for DC (reverse polarity) arc welding of aluminum and aluminum alloys. An extruded coating makes this the smoothest aluminum electrode now commercially available. Aufhauser AL-43 Electrode contains approximately 5% silicon, which provides superior fluidity at welding temperatures. For this reason, it is preferred for general purpose welding. AL-43 weld metal has fair ductility and a minimum tensile strength of 14,000 psi. This electrode produces a smooth weld bead on flat, fillet or vertical jobs. Arc action has very low spatter and is smooth. Slag is easily removed.

◆ APPLICATIONS

- Welding the 6XXX series aluminum alloys, the 5XXX series aluminum alloys, and aluminum-silicon casting alloys, as well as aluminum base metals 1100, 1350 (EC), and 3003.

◆ CHEMICAL COMPOSITION

<u>Aluminum</u>	<u>Silicon</u>	<u>Iron</u>	<u>Copper</u>	<u>Manganese</u>	<u>Magnesium</u>	<u>Zinc</u>	<u>Titanium</u>	<u>Beryllium</u>
Remainder	4.5-6.0	0.8	0.30	0.05	0.05	0.10	0.20	0.0008
<u>Each</u>	<u>Total</u>							
0.05	0.15							



◆ PHYSICAL and MECHANICAL PROPERTIES

Tensile Strength:	14,000 psi, min.
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◆ SPECIFICATIONS MEET or EXCEED

- AWS A5.3, Class E4043
- ASTM E4043
- MIL-E-15597 Type MIL-4043

◆ STANDARD SIZES

- Sizes: 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8"
- Length: 14"
- Package: 5 lb container, 5 containers per master carton