

Lincolnweld® MIL800-H™ & LA-100

AWS F10A6-EM2-M2-H2 • Low Alloy Steel

Typical Applications

- ▶ Nuclear reactor vessels and other components

ASME IX Qualification

ASME IX Qualification: QW432 F-No 6

Key Features

- ▶ Capable of exceeding AWS minimum requirement of 620 Mpa (90 ksi) tensile strength after 48 hours of stress relieving at 1100-1150°F.
- ▶ Capable of meeting drop weight testing requirements as commonly required for nuclear applications.
- ▶ Each coil is identified with AWS classification and LOT number.

DIAMETERS / PACKAGING - FLUX

50 lb (22.7 kg) Hermetically Sealed Pail
ED020925

DIAMETERS / PACKAGING - WIRE

Diameter in (mm)	60 lb (27.2 kg) Coil
1/16 (1.6)	ED010996
5/64 (2.0)	ED011002
3/32 (2.4)	ED010999
1/8 (3.2)	ED010998
5/32 (4.0)	EDS11001

WIRE COMPOSITION⁽¹⁾ - As Required per AWS A5.23/A5.23M:2007

	%C	%Mn	%Si	%Cr	%Ni	%Mo	%Ti
Lincolnweld® LA-100	0.10	1.25-1.80	0.20-0.60	0.30	1.40-2.10	0.25-0.55	0.10
	%Zr	%Al	%V	%S	%P	%Cu	
Lincolnweld® LA-100	0.10	0.10	0.05	0.015	0.010	0.25	

FLUX COMPOSITION⁽¹⁾

	%SiO ₂	%MnO	%MgO	%CaF ₂	%Na ₂ O	%Al ₂ O ₃	%CaO	%K ₂ O	% Metal Alloys
Lincolnweld® MIL800-H™	13	1	34	23	1	16	8	1	1 max.