

Lincolnweld® MIL800-H™ & LA-84

Low Alloy Steel • AWS F9P6-EF3-F3-H2

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.

Typical Applications

- ▶ Nuclear reactor vessels and other components

ASME IX Qualification

ASME IX Qualification: QW432 F-No 6

DIAMETERS / PACKAGING - FLUX

50 lb (22.7 kg) Hermetically Sealed Pail	
ED020925	

DIAMETERS / PACKAGING - WIRE

Diameter in (mm)	60 lb (27.2 kg) Coil
5/64 (2.0)	ED034211
3/32 (2.4)	ED031871
1/8 (3.2)	ED033323
5/32 (4.0)	ED034212

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

	%C	%Mn	%Si	%Ni	%Mo	%S	%P	%Cu
Lincolnweld® LA-84	0.10-0.18	1.75-2.20	0.2	0.80-1.0	0.45-0.60	0.010-0.020	0.010-0.020	0.05-0.15

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.