

# LINCOLN® LA-84

Low Alloy Steel ■ AWS ER90S-G

## KEY FEATURES

- A nickel-bearing electrode with 1/2% molybdenum
- Available as Batch Managed Inventory
- Can be used for higher strength weldments where impact properties exceeding 27 J (20 ft•lb) at -62°C (-80°F) are required
- Suitable for use where consumables with less than 1% Ni are required
- Ink jet printing identification on entire length of electrode

## CONFORMANCES

AWS A5.28/A5.28M: ER90S-G

## TYPICAL APPLICATIONS

- Low temperature toughness requirements
- NACE

## WELDING POSITIONS

All

## DIAMETERS / PACKAGING

Diameter in (mm)	10 lb (4.5 kg) Plastic Tube 30 lb (13.6 kg) Master Carton
1/16 (1.6)	ED034349
3/32 (2.4)	ED034350
1/8 (3.2)	ED034351

## WIRE COMPOSITION<sup>(1)</sup> – As Required per AWS A5.28/A5.28M

	%C	%Mn	%Si	%S	%P	%Ni	%Mo	%Cu
Requirements - AWS ER90S-G	0.10-0.18	1.75-2.20	0.2	0.010-0.020	0.010-0.020	0.80-1.0	0.45-0.60	0.05-0.15

<sup>(1)</sup>Typical all weld metal.

Material Safety Data Sheets (MSDS) and Certificates of Conformance are available on our website at [www.lincolnelectric.com](http://www.lincolnelectric.com)

### TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application.

### CUSTOMER ASSISTANCE POLICY

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