Lincolnweld® LA-90

Low Alloy Solid Electrode • AWS EA3K

Key Features

- ▶ A low carbon, high manganese, high silicon, 1/2% molybdenum special purpose wire

- ▶ Recommended for seam welding of pipe and for the general welding of high strength plate

Conformances

AWS A5.23/A5.23M: 2007 EA3K
EN ISO 26304-A: SZ

Recommended Fluxes

Lincolnweld® 880™, 880M®, 888™, 8500™, MIL800-H™, 995N™, P223™, SPX80™

DIAMETERS / PACKAGING

Diameter in (mm)	60 lb (27.2 kg) Coil	750 lb (340 kg) Speed Feed® Reel	1000 lb (453 kg) Speed Feed® Drum
1/16 (1.6)	ED013999		
5/64 (2.0)	ED011086		
3/32 (2.4)	ED011084		
1/8 (3.2)	EDS11083		
5/32 (4.0)	EDS11085	EDS01154	EDS01152

WIRE COMPOSITION[1] - As Required per AWS A5.23/A5.23M:2007

	%C	%Mn	%Si	%Mo	%S	%P	%Cu
Lincolnweld® LA-90	0.05-0.15	1.60-2.10	0.50-0.80	0.40-0.60	0.025	0.025	0.35

Lincolnweld® LA-92

Low Alloy Solid Electrode • AWS EB2R

Key Features

- ▶ Designed for welding 1 1/4% chromium, 1/2% molybdenum steels in high temperature service applications such as pressure vessels or piping

- ▶ The AWS R designator denotes ultra low residuals which will result in a low Bruscato factor (X-factor)

Conformances

AWS A5.23/A5.23M: 2007 EB2R
EN ISO 24598-A: S CrMo1

Recommended Fluxes

Lincolnweld® 880M®, 882™, MIL800-H™, 960®

DIAMETERS / PACKAGING

Diameter in. (mm)	60 lb (27.2 kg) Coil
3/32 (2.4)	EDS30783
1/8 (3.2)	EDS26960
5/32 (4.0)	EDS26961

WIRE COMPOSITION[1] - As Required per AWS A5.23/A5.23M:2007

	%C	%Mn	%Si	%Cr	%Mo	%S	%P	%Cu
Lincolnweld® LA-92	0.07-0.15	0.45-1.00	0.05-0.30	1.00-1.75	0.45-0.65	0.025	0.025	0.35

[1]Single values are maximums.

Material Safety Data Sheets (MSDS) and Certificates of Conformance are available on our website at 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

The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

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THE WELDING EXPERTS®

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