

# Lincolnweld® AK-10™

Low Alloy Solid Electrode • AWS EG

## Key Features

- ▶ Capable of producing welds with 690 MPa (100 ksi) tensile strength
- ▶ Suitable for use where consumables with less than 1% Ni are required
- ▶ Batch Managed Inventory

## Recommended Fluxes

Lincolnweld® 812-SRC™

## Conformances

AWS A5.23/A5.23M: EG

## Typical Applications

- ▶ NACE applications
- ▶ Oil tools
- ▶ Riser systems
- ▶ High-strength pipe

## DIAMETERS / PACKAGING

Diameters in (mm)	60 lb. (27.2kg) Coil
5/64 (2.0)	ED034904
3/32 (2.4)	ED034905
1/8 (3.2)	ED034906
5/32 (4.0)	ED034907

## WIRE COMPOSITION

	%C	%Mn	%Si	%Ni
Lincolnweld® AK-10®	0.10	1.55	0.57	0.88
	%Mo	%Cr	%S	%P
Lincolnweld® AK-10®	0.48	0.27	< 0.005	0.01
	%V	%Al	%Cu	
Lincolnweld® AK-10®	<0.003	0.004	0.09	

**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.

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Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.com](http://www.lincolnelectric.com) for any updated information.

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