LINCOLN® AUTO430LNbTi™

Stainless ▪ Similar to AWS ER430LNbTi

KEY FEATURES

- Proprietary surface treatment extends contact tip life - reduces cost of tips and associated labor
- Improved feedability - controlled cast and helix for optimal wire placement
- Lower voltage required - reduced burn through, rework, and scrap on thin material
- Additional Ti aids in higher calculated trapper ratio than Lincoln Auto 430LNb™ design
- Wire designed and tested to reduce sensitization to avoid intergranular corrosion

WELDING POSITIONS

All

CONFORMANCES

Similar to AWS A5.9:	Similar to ER430LNbTi
ISO 14343-A:	G 18 L Nb Ti

TYPICAL APPLICATIONS

- Designed for robotic production exhaust welding
- Exceptional performance at higher speeds - reducing cycle time

SHIELDING GAS

Short Circuiting Transfer
90% He / 7.5% Ar / 2.5% CO_2
Axial Spray Transfer
98% Ar / Balance O_2

DIAMETERS / PACKAGING

Diameter in mm	33 lb (15 kg) Steel Spool	44 lb (20 kg) Fiber Spool	500 lb (227 kg) Accu-Trak® Drum	500 lb (227kg) Accu-Pak® Box	750 lb (340 kg) Accu-Pak® Box
0.035 (0.9)	ED037568	ED037569	ED037571	ED037570	ED037572
0.040 (1.0)	ED037690	ED037691	ED037693	ED037692	ED037694
0.045 (1.1)	ED037573	ED037574	ED037576	ED037575	ED037577

WIRE COMPOSITION[1]

	%C	%Mn	%Si	%Cr	%Nb	%N
Test Results[2]	0.02	0.5	0.6	18.2	0.5	0.02
	%S	**%P**	**%Mo**	**%Cu**	**%Ti**	**%FN**
Test Results[2]	<0.003	0.02	<0.01	0.1	0.2	–

[1]Typical all weld metal. [2]See test results disclaimer.

IMPORTANT: SPECIAL VENTILATION AND/OR EXHAUST REQUIRED

Fumes from the normal use of some welding products can contain significant quantities of components - such as chromium and manganese - which can lower the 5.0 mg/m3 maximum exposure guideline for general welding fume.

BEFORE USE, READ AND UNDERSTAND THE SAFETY DATA SHEET (SDS) FOR THIS PRODUCT AND SPECIFIC INFORMATION PRINTED ON THE PRODUCT CONTAINER.

Safety Data Sheets (SDS) 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 business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, and cutting equipment. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications 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, or to provide engineering advice in relation to a specific situation. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the definition of specifications, and 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.

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