

Innershield® NR®-440Ni2

TOP FEATURES

- Premium Offshore Weldability – designed to provide optimal weldability in narrow TKY joints and poor fit up conditions
- Excellent Toe Wash-In – expect fast travel speeds and a flat bead face when using vertical-up or vertical-down welding techniques
- Low Temperature Impact Toughness – meets ABS 4YSA and AWS J classification
- Low Diffusible Hydrogen Levels – meets H8 diffusible hydrogen requirements over a range of humidity levels
- ProTech® Packaging – hermetically sealed packaging for moisture resistance
- Q2 Lot – certificate showing actual deposit chemistry and mechanical properties per lot available online

TYPICAL APPLICATIONS

- Offshore

CLASSIFICATION

AWS E71T8-Ni2-JH8
E71T8-A4-Ni2-H8

CURRENT TYPE

DC -

WELDING POSITIONS

All

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, ALL WELD METAL

C	Mn	Si	P	S	Al	Ni	HDM
0.01-0.03	0.74-1.12	0.13-0.17	0.007-0.012	0.002-0.004	0.84-1.07	1.77-2.10	5 ml/100g

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) -40°C
Required: AWS A5.29		min. 400	480-655	min. 22	
EN ISO 17632-A	AW	400-485	490-570	22-36	215-460
Typical values					

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
2.0	COIL	6.4	ED033827

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

Safety Data Sheets (SDS) are available here:



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

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