

Innershield® NR®-233

TOP FEATURES

- Enhanced Feedability – New design increases wire stiffness to aid feedability and promotes smooth arc transfer.
- Wire Snap-Off – Easy to break off wire end without tools for better re-strike.
- Meets AWS D1.8 requirements for Demand Critical Welds – Three lot tests available at www.lincolnelectric.com/D1.8 to meet AWS D1.8 lot waiver requirements.
- Effortless Operability – Welders of all skill levels benefit from the easy to control arc and forgiving weld puddle even out of position.

TYPICAL APPLICATIONS

- Seismic structural steel erection and fabrication
- General structural steel erection and fabrication
- Ship and barge fabrication
- Vertical up and overhead fillets and groove welds

CLASSIFICATION

A5.20/A5.36 E71T-8-H8
 EN ISO 17632-A T 42 3 Y N 2 H10

CURRENT TYPE

DC -

WELDING POSITIONS

All positions

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

C	Mn	Si	P	S	Al
0.16	0.65	0.21	0.010	0.003	0.60

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) -29°C
Required: AWS A5.20		min. 400	480	22	27
Typical values	AW	440	570	26	40

* AW = As welded

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.6	SPOOL	5.7	ED030933
	SPOOL	11.3	ED030934, ED031576, ED036576
2.0	SPOOL	11.3	ED036577

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.