# LINCOLN® 8010

## **TOP FEATURES**

- Used for root and hot passes as well as filling and capping up to X70 grades
- Clearly visible weld puddle for improved control and weldability
- Excellent weldability in all positions

### CLASSIFICATION

AWS A5.1	E 8010-G
EN ISO 2560-A	E 46 3 1NiMo C 21

#### **CURRENT TYPE**

DC+

## WELDING POSITIONS

All positions

## **APPROVALS**

ABS	LR	DNV	TÜV		
+	+	+	+		

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

С	Mn	Si	Ni	Мо
0.1	0.8	0.2	0.7	0.3

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) +20°C
Typical values	AW	≥485	570-680	≥22	≥60

#### **OUTPUT RANGE**

Diameter x Length (mm)	Current range (A)
3.2x350	60-110
4.0x350	90-140
5.0x350	110-170

#### **PACKAGING AND AVAILABLE SIZES**

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	ltem number
3.2x350	CAN	355	9.5	627266
4.0x350	CAN	238	9.5	627267
5.0x350	CAN	156	9.5	627268

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#### 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 <u>www.lincolnelectric.eu</u> for any updated information.

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