Shield-Arc® 70+

TOP FEATURES

- Light slag for minimal arc interference
- Deep penetration
- Clean, visible weld puddle
- Superior puddle control

CLASSIFICATION

AWS A5.5 E8010-P1, E8010-G

CURRENT TYPE

DC +

WELDING POSITIONS

All

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

C	Mn	Si	Ni	Cr	Mo	V
0.13-0.17	0.6-1.2	0.05-0.3	0.75-0.97	0.01-0.2	0.05-0.15	0.02-0.04

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)		
					-29°C	-40°C	-46°C
Required: AWS A5.5		min. 460	min. 550	min. 19			
Typical values	AW	460-620	585-680	24	75		60

AW = As welded

OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
3.2x355	75-130
4.0x355	90-185
4.8x355	140-225

PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Pieces / unit	Weight (kg)	Item number
3.2x350	CAN	-	22.7	ED012841
4.0x350	CAN	-	22.7	ED012849
4.8x350	CAN	-	22.7	ED012845

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.