

STEELCORED M 8

TOP FEATURES

- General purpose seamless copper coated metal cored wire.
- Little formation of silicates on the weld surface.
- High deposition rate and fast travel speeds, good side wall fusion, very regular bead appearance.
- Very good weldability with short, pulsed and spray arc. Suitable for robotic applications.

TYPICAL APPLICATIONS

- Steel construction

CLASSIFICATION

AWS A5.18	E70C-3M H4
EN ISO 17632-A	T 46 2 M M21 1 H
EN ISO 17632-B	T552T15-1MA-UH5

CURRENT TYPE

DC+

WELDING POSITIONS

All positions

SHIELDING GASES (ACC. EN ISO 14175)

M21 Mixed gas Ar+ 15-25% CO₂

APPROVALS

LR	BV	DNV	RINA	TÜV	DB
+	+	+	+	+	BV

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

C	Mn	Si
0.05	1.3	0.6

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) -20°C
Typical values	M21	AW	≥460	550-660	≥24	≥50

* AW = As welded

Gas test: 82% Ar + 18% CO₂

PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.0	SPOOL (B300)	16.0	W000281600
1.2	SPOOL (B300)	16.0	W000281602
	DRUM	200.0	W000281603

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.