

# FERROMATIC 180

## TOP FEATURES

- Easy striking and restriking, low spatter loss and self-releasing slag.
- The weld bead is smooth with well blended toes, without undercut into the base plate.
- Can be welded in "touch" technique.

## CLASSIFICATION

AWS A5.1 E7024  
EN ISO 2560-A E 42 0 RR 7 3

## CURRENT TYPE

AC, DC-, DC+

## WELDING POSITIONS

Flat/Horizontal

## APPROVALS

LR	DNV	RMRS	TÜV
+	+	+	+

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

C	Mn	Si
0.1	0.9	0.4

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) 0°C
AWS A5.1	AW	≥400	≥490	≥22	not specified
EN ISO 2560-A	AW	≥420	500-640	≥20	≥47
Typical values	AW	490	585	24	54

\* AW = As welded

## OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
3.2 x 450	110-150
4.0 x 450	160-220
5.0 x 450	225-310

## PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
3.2 x 450	CBOX	79	5.6	W000287245
4.0 x 450	CBOX	51	5.4	W000287246
5.0 x 450	CBOX	33	5.2	W000287247

## 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.  
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