

# Ferrod® 165A

## TOP FEATURES

- 160% recovery, high welding speed
- 160% recovery, high welding speed
- Good X-ray soundness
- Even in narrow gaps and rusty materials easy slag release

## CLASSIFICATION

AWS A5.1 E7024-1  
EN ISO 2560-A E 42 2 RA 73

## CURRENT TYPE

AC/DC(+/-)

## WELDING POSITIONS

Flat/Horizontal

## APPROVALS

ABS	LR	DNV	TÜV
+	+	+	+

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

C	Mn	Si
0.07	0.95	0.3

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)	
					-10°C	-18°C/-20°C
Required: AWS A5.1		min.400	min. 490	min. 22		min. 27
EN ISO		min.420	500-640	min. 20		min. 47
Typical values	AW	475	520	26	70	67

AW = As welded

## OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
3.2 x 450	125-155
4.0 x 450	140-235
5.0 x 450	210-330

## PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
3.2 x 450	CBOX	90	4.7	599534-1
4.0 x 450	CBOX	60	6.0	599541-1
5.0 x 450	CBOX	40	5.9	599596-1

### 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](http://www.lincolnelectric.eu) for any updated information.