

# Lincolnweld® 761

## TOP FEATURES

- Manganese alloying and carbon reducing flux designed to provide superior crack resistance.
- Slow freezing slag for a wide, flat weld.
- Excellent resistance to cracking in single pass applications.

## CLASSIFICATION

<b>Flux</b>	EN ISO 14174: S A CS/MS 1 88 AC EN H5		
<b>Flux/wire</b>	EN ISO 14171-A: MR	EN ISO 14171-A: TR	AWS A5.17 / A5.23
761 / L-60	S 38 2 CS/MS S1		F7A2-EL12
761 / L-61	S 42 2 CS/MS S2Si	S 4T 0 CS/MS S2Si	F7A2-EM12K
761 / LNS 140A	S 46 0 CS/MS S2Mo	S 4T 2 CS/MS S2Mo	F8A0-EA2-G
761 / L-70	S 46 0 CS/MS S2Mo	S 4T 2 CS/MS S2Mo	F8A0-EA1-G

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

Wire grade	C	Mn	Si	P	S	Mo
L-60	0.05	1.5	0.7	<0.03	<0.025	
L-61	0.07	1.7	0.9	<0.03	<0.025	
LNS 140A (L-70)	0.06	1.7	0.8	<0.03	<0.025	0.4

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

Wire grade	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)	
					0°C	-20°C
L-60	MR	380	500	28	80	50
L-61	MR	470	560	28	100	50
L-61	TR	>420	>540		65	
LNS 140A (L-70)	MR	480	600		80	40
LNS 140A (L-70)	TR	>440	>540		100	55

\* MR = Multi-Run; TR = Two-Run

## FLUX CHARACTERISTICS

Current type	DC(+/-)/AC
Basicity (Boniszewski)	0.8
Solidification speed	Low, viscous slag
Density (kg/dm <sup>3</sup> )	1.2
Grain size (EN ISO 14174)	1-16

## PACKAGING AND AVAILABLE SIZES

Packaging	Weight (kg)	Item number
PE BAG	22.7	ED032765

### 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.