

# Lincolnweld® 761

## Key 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
- Available in moisture proof Sahara Ready Bag (SRB) and Steel Drums
- Coarse grain (CG) version is suitable for the most rusty and dirty plates

## Conformances

**AS/NZS ISO 14174:** SA CS/MS 1 88 AC H5

## Recommended Wires

### Mild Steel:

Lincolnweld® L-50, L-60, L-61

### Low Alloy:

Lincolnweld® L-70

## Typical Applications

- Single pass welding of mild steel
- Large fillets with constant current power sources

## Product Information

**Current type:** DC/AC

**Basicity (Boniszewski):** 0.8

**Solidification speed:** Low, viscous slag

**Density (kg/dm<sup>3</sup>):** 1.2

**Grain size (ISO 14174):** 761 : 1 -16 / 761-CG : 1 - 20

## Packaging

Package Type	Weight Kg	Part Number
Plastic Bag	25	FX761-25
SRB (CG version)	25	FX761-25-C-SRB
Steel Drum	250	111842

## Typical Test Results

Flux / Wire Combination	Weld Condition	Yield Strength MPa	Tensile Strength MPa	Elongation %	Charpy V-Notch J @ °C		AWS Classification A5.17/A5.23
L-50	As Welded	480	590	29	45	-29	F7A2-EM13K
L-60	As Welded	440	530	29	64	-29	F7A2-EL12
L-61	As Welded	480	590	28	54	-29	F7A2-EM12K
L-70	As Welded	550	640	24	58	-18	F9A0-EA1-G