

LINCOLNWELD® EMERGENCE™ 61

Mild Steel Solid Electrode ■ AWS EM12K

KEY FEATURES

- Low carbon, medium manganese, low silicon electrode
- Coated with proprietary surface lubricant which is designed to eliminate one source of wire contamination in pipe mill welding applications
- Improved contact tip life when compared to non-copper coated wire alternatives
- Exact wire composition to Lincolnweld® L-61® copper coated wires makes requalification for welding procedures controlled by classification seamless

CONFORMANCES

AWS A5.23/A5.23M: EM12K

RECOMMENDED FLUXES:

995N, 998N, 761, 761-PIPE

DIAMETERS / PACKAGING

Diameter in (mm)	1000 lb (453 kg) Drum Package
1/8 (3.2)	ED035980
5/32 (4.0)	ED035981

WIRE COMPOSITION - As Required per AWS A5.23/A5.23M

	%C	%Mn	%Si	%S	%P	%Cu
Lincolnweld Emergence 61	0.05-0.15	0.80-1.25	0.10-0.35	0.03	0.03	0.35

LINCOLNWELD® EMERGENCE™ 73

Mild Steel Solid Electrode ■ AWS EG

KEY FEATURES

- Low carbon, high manganese, medium silicon electrode
- Coated with proprietary surface lubricant which is designed to eliminate one source of wire contamination in pipe mill welding applications
- Improved contact tip life when compared to non-copper coated wire alternatives
- Exact wire composition to Lincolnweld® LS-3 copper coated wires makes requalification for welding procedures controlled by classification seamless

CONFORMANCES

AWS A5.23/A5.23M: EG

RECOMMENDED FLUXES:

995N, 998N, 761, 761-PIPE

DIAMETERS / PACKAGING

Diameter in (mm)	1000 lb (453 kg) Drum Package
1/8 (3.2)	ED036348
5/32 (4.0)	ED036349

WIRE COMPOSITION⁽¹⁾ - As Required per AWS A5.23/A5.23M

	%C	%Mn	%Si	%S	%P	%Cu
Lincolnweld Emergence 73	0.15	1.59	0.20	0.006	0.007	0.012

⁽¹⁾ No AWS limits. Values are typical.

LINCOLNWELD® EMERGENCE™ 70

Low Alloy Solid Electrode ▪ AWS EA1

KEY FEATURES

- Low carbon, medium manganese, low silicon, 1/2% molybdenum electrode
- Coated with proprietary surface lubricant which is designed to eliminate one source of wire contamination in pipe mill welding applications
- Improved contact tip life when compared to non-copper coated wire alternatives
- Exact wire composition to Lincolnweld® L-70 copper coated wires makes requalification for welding procedures controlled by classification seamless

CONFORMANCES

AWS A5.23/A5.23M: EA1

RECOMMENDED FLUXES:

995N, 998N, 761, 761-PIPE

DIAMETERS / PACKAGING

Diameter in (mm)	1000 lb (453 kg) Drum Package
1/8 (3.2)	ED035982
5/32 (4.0)	ED035983

WIRE COMPOSITION - As Required per AWS A5.23/A5.23M

	%C	%Mn	%Si	%Mo	%S	%P	%Cu
Lincolnweld Emergence 70	0.05-0.15	0.65-1.00	0.30	0.45-0.65	0.025	0.025	0.35

LINCOLNWELD® EMERGENCE™ 90

Low Alloy Solid Electrode ▪ AWS EA3K

KEY FEATURES

- Low carbon, high manganese, 1/2% molybdenum electrode
- Coated with proprietary surface lubricant which is designed to eliminate one source of wire contamination in pipe mill welding applications
- Improved contact tip life when compared to non-copper coated wire alternatives
- Exact wire composition to Lincolnweld® LA-90 copper coated wires makes requalification for welding procedures controlled by classification seamless

CONFORMANCES

AWS A5.23/A5.23M: EA3K

RECOMMENDED FLUXES:

995N, 998N, 761, 761-PIPE

DIAMETERS / PACKAGING

Diameter in (mm)	1000 lb (453 kg) Drum Package
1/8 (3.2)	ED036374
5/32 (4.0)	ED036375

WIRE COMPOSITION - As Required per AWS A5.23/A5.23M

	%C	%Mn	%Si	%Mo	%S	%P	%Cu
Lincolnweld Emergence 90	0.05-0.15	1.60-2.10	0.50-0.80	0.40-0.60	0.025	0.025	0.35