



EM 150



Basic Covered Electrode – Fine Grained High Strength Steels

AWS/ASME SFA 5.5 E8018C3

Key Benefits

- Heavy coated basic type electrode, suitable for welding steel constructions, off-shore platforms, bridge, machinery, production and in their root pass applications where low high strength steels and fine grained structural steels used.
- Weld metal is high crack resistance under difficult operating conditions such as dynamic loads and especially low environmental temperatures.

Welding Positions



Typical Chemical Analysis

Requirements - AWS E8018-C3 Chemical Analysis	%C 0.05	%Mn 0.9	%Si 0.25	%S	%P
Requirements - AWS E8018-C3 Chemical Analysis	%Cr	%Ni 0.9	%Mo	%Cu	%Ti

Mechanical Properties

	Yield Strength MPa (ksi)	Tensile Strength MPa (ksi)	Elongation (%)	Impact Energy (J)
Typical Results (all weld metal) As Welded	480 MPa	570 MPa	25	-60°C → 50J

Ordering Information

Product Code	AWS Specification	Dimension mm/inches	Single Pack Weight kg/lb	Box Weight kg/lb
1151310M15	EM 150 (E8018-C3)	2.50 x 350 mm (3/32" x 14")	5.0 kg (11.0 lb)	15.0 kg (33.0 lb)
1151316M15	EM 150 (E8018-C3)	3.25 x 350 mm (1/8" x 14")	5.0 kg (11.0 lb)	15.0 kg (33.0 lb)
1151324M15	EM 150 (E8018-C3)	4.00 x 450 mm (5/32" x 18")	6.5 kg (14.0 lb)	19.5 kg (41.8 lb)
1151332M15	EM 150 (E8018-C3)	5.00 x 450 mm (3/16" x 18")	6.5 kg (14.0 lb)	19.5 kg (41.8 lb)



Single Pack (5.0 kg)



Box (15.0 kg)