

SME G251 A

ELECTRODES WITH ABRASION RESISTANCE AND HIGH DEPOSITION RATES

Alloy Basis

Cr, Mn, C

Characteristics :

SME G251A is designed for high-abrasion and high-deposition applications. It provides excellent wear resistance, particularly in environments subject to friction and impact. Its rapid deposition rate improves efficiency making it ideal for hardfacing and surfacing applications.



Typical Applications

Electrodes are used for applications in harsh environments such as mining, construction, thermal power generation, cement plant and steel manufacturing. It is highly recommended for welding and hardfacing of mining equipment, crusher parts, earth-moving machinery, cement plant equipment and agricultural machinery.

Mechanical Properties

Hardness :

As welded : 60 - 65 HRC

Welding Current : AC, DCEP

Size (Ø mm)	3.15	4.00	5.00
Current (amps)	100 - 120	130 - 170	180 - 200

Availability:

Standard Size: 5.0, 4.0, 3.15 in 350 mm length

Packing: 2 kg.

Procedure

Clean the weld metal surface by Grinding, Deposit holding short arc. Minimum two layers to be deposited holding the electrode at 90 Degree to the weld surface. Single pass overlay is normally recommended.