

SME ZC50

ELECTRODE WITH RESISTANCE TO MODERATE ABRASION IMPACT

Alloy Basis

C, Mn, Si, Cr

Characteristics :

SME ZC50 is a rutile-coated air-hardening electrode that provides a machinable deposit offering exceptional resistance to severe abrasion impact. Additionally, it features a high weld metal recovery.



Typical Application

Applications include excavators, conveyor components, supporting rollers for kiln tires, wobbler ends, cams, gear shafts, plough shares, shear blades, and girth gears used in cement and power plant operations.

Mechanical Properties

Hardness:

As Welded: 34 – 38 HRC

Welding Current : AC, DCEP

Size (Ø mm)	3.15	4.00	5.00
Current (amps)	90 - 130	140 - 180	180 - 220

Availability:

Standard Size: 5.0, 4.0, 3.15 in 350 & 450 mm length

Packing: 2.50, 5.00 KG

Procedure

Clean the area to be welded thoroughly. For low-alloy and high-carbon tool steels, preheat to approximately 250° C before welding. Allow the material to cool slowly to room temperature. Use SME 7016 as a buffer layer when welding hard base materials.