

SPECIAL ELECTRODE FOR CUTTING AND PIERCING OF METALS

Characteristics :

SME I01 electrode is specifically designed for cutting and piercing a wide range of metals including steel, cast iron, copper, aluminium etc. This electrode provides a reliable and portable alternative to conventional gas cutting methods and is suitable for use in all welding positions.



Typical Application

SME I01 electrode is particularly effective for site applications such as dismantling structures and removing excess or unwanted metal from foundry castings. It is ideal for piercing out-of-position components like rivets, risers, and other areas where gas cutting is not feasible. This electrode is also well-suited for cutting metal plates, sheets, bars, steel pipes, channels, and various structural shapes.

Welding Current : AC, DCEN

Size (Ø mm)	2.50	3.15	4.00	5.00
Current (Amps)	60 - 90	150 - 170	190 - 230	260 - 290

Availability:

Standard Size: 5.00, 4.00, 3.15, 2.50 in 350 & 450 mm length

Packing: 2.50, 5 kgs

Procedure

Mark the area to be cut or pierced. For cutting, hold the electrode at a 45° angle to the work piece and use a sawing motion. For piercing, position the electrode perpendicular to the work piece. Strike the arc and apply a push-in and pull-out motion repeatedly until the material is pierced.