

## SME E12

## Electrodes for MMAW Process

## Ni & Ni Alloys

### Low-Heat Input Welding Alloys

#### Alloys:

Cu, Ni, Mn, Ti

#### Characteristics :

SME 12 weld deposit is resistant to the action of sea water, free of porosity and crack- resistant. Slag removal is easy. Weld beads are shining and uniform.

#### Technical Data :

UTS : 35-45 kgf/mm<sup>2</sup>  
Elongation (L = 5d) : 20-26%  
Impact energy (CVN at 20°C) : 85 J



#### Applications :

1. Suitable for Shipbuilding, food industry, desalinization plants, refrigerators, heat exchangers.
2. Welded joints and hard-surfacing on similar grades of copper-nickel alloys, with up to 30% nickel content.

#### Welding Current : DC (+)

Size (Ø / Length) mm	2.5 x 350	3.2 x 350	4.0 x 350
Current (amps)	60 - 80	90 - 105	110 - 130

#### Availability:

Standard Size: 5.0, 4.0, 3.2 and 2.5 in 350 mm length  
Packing: 2 , 5 Kg.