

ESAB CN 182

High temperature resistance ultimate bonding

Esab CN182 virtually bonds with everything like ferrous metals, stainless steels, nickel steels, chromium steels, cobalt-based alloys, carbides. It is perfectly suitable for re-buffering hardfaced layer and welding dissimilar alloys. It can be used for welding 5% and 9% nickel steels, Inconel, Incoloy, etc.

The weld metal is tough and ductile and can withstand severe thermal fluctuations.

ALLOY BASE: Ni, Cr, Mn, Fe, Nb

SPECIAL FEATURES

- Withstands stresses generated by thermal cycles.
- Tolerant to dilution and produces crack resistant welds/clads, even in massive sections.
- Superior bonding properties.

APPLICATIONS

Repair of rotary kiln tyres, heat treatment equipment such as trays, tongs, cryogenic equipment, and

fabrication of nickel steels for corrosion resistant tanks and containers, heat exchangers, furnace components and fittings, and low temperature applications.

It is suitable for welding of nickel, inconel, monel, stainless steels, heat-resisting steels and difficult-to-weld steels. This electrode is perfect for joining dissimilar metals and alloys like carbon steels, stainless steels, nickel and nickel alloys to each other.

PROPERTIES

UTS	: 60-64 kg/mm ²
Elongation	: 42-48%
Impact (CVN) at -196°C	: 45-55 J

CURRENT RANGE : (AC 70, DC+)

Size (mm)	Length (mm)	Current Range (Amp)
2.50	350	60-100
3.15	350	80-120
4.00	350	100-160
5.00	350	140-190