

TERROWELD DS3

Strength joining for dissimilar and unknown steels

Terroweld DS3 deposits a high ferrite stainless steel deposit suitable for joining, building up and buffering applications. The specially designed microstructure of the weld deposit ensures superior resistance to crack, corrosion and oxidation. The electrode is suitable for joining dissimilar, unknown and difficult to weld steels. It is suitable for welding thick sections with deep groove in all positions. Weld deposit is of excellent quality ensuring fail-safe performance.

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

SPECIAL FEATURES

- Deposit gives high strength, combined with excellent resistance against impact, friction.
- Heat and corrosion resistant surfacing.
- Smooth arc and fine ripples.

APPLICATIONS

Joining, surfacing and rebuilding shafts, spindle, gears, pinions, springs, bull gears and sprockets, pump, gear box casing, rolling stock couplings, universal coupling, chassis frames, shovel booms, wobblers, kiln tyres, hammer shafts etc.

Also used as a buffer layer before hard surfacing of mining and earth-moving machinery.

PROPERTIES

UTS	: 80-86 kg/mm ²
Elongation	: 30-34%

CURRENT RANGE : (AC 70, DC±)

Size (mm)	Length (mm)	Current Range (Amp)
2.50	350	60-90
3.15	350	70-100
4.00	350	100-130
5.00	350	110-140