

SUPERALLOY 550

A Specially formulated all position carbide type electrode depositing dense and spatter-free alloy to resist very high abrasion. This alloy can be used on steels, manganese steels and malleable iron.

Applications:

Plow shares, bucket teeth, pug mill crusher, coal chutes, dipper teeth, screw conveyers, crusher plates, brick machinery, pellet plant parts and tamping tools.

Procedure:

- 1) Gouge out/ Grind the damaged, worn out, fatigued metal.
- 2) On high carbon steels and abrasion resistant steels use skip welding technique to ensure uniform heat built up.
- 3) For maximum resistance to scratching abrasion, use stringer beads in criss cross or dot dash pattern about one inch apart, perpendicular to the flow of materials.
- 4) Finish by grinding, if necessary.
- 5) Preheat is usually not necessary unless very heavy sections are involved.
- 6) No preheat should be used on manganese steel.

Technical Data

Size (mm), Ø	:	3.15	4.00	5.00
Recommended Welding Current (Amps)	:	80 - 100	110 – 160	140 – 180
Hardness	:	50 – 55 HRC		
Tip Colour	:	Red		

DIFFUSION ENGINEERS LIMITED

Regd. Office & Works I : T-5/6, M.I.D.C, Hingna Industrial Area, Nagpur-440 016, (T) 091-7104-232084, 234727 (F) 232085

Works II : N-78/79, MIDC, Hingna Industrial Area, Nagpur – 440 016. (T) 091-7104-236036

Works III : T-12, MIDC, Hingna Industrial Area, Nagpur – 440 016.(T) 091-7104-232984

Email : info@diffusionengineers.com Website : www.diffusionengineers.com

Branch Offices : Chennai, Faridabad, Jamshedpur, Pune, Raipur, Secunderabad, Vadodara.