

DIFFUSALOY 560

Diffusaloy 560 is a basic coated hard facing electrode, giving a smooth arc and minimum spatter. The slag fully covers the bead and is easily detachable. The sound weld deposit has low hydrogen content and has a very high hardness. It can be deposited without any under bead crack and porosity. The weld deposit can be finished by grinding, and it can withstand high abrasion and moderate impact. It can be used on carbon & low alloy steels, manganese steel and malleable iron.

Applications:

Hard facing of buckets, pads, bucket teeth, jaw crusher, coal crusher, scrapers, dozer blades, dipper teeth, screw conveyers, metal cutting and forming tools.

Procedure:

Gouge out/ Grind the damaged, worn out, fatigued metal. On high carbon steels use skip welding technique to avoid cracking due to non uniform heat distribution. 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. Finish by grinding, if necessary. Heavy work piece any require suitable preheating. No preheating should do in case of manganese steel.

Technical Data

Size (mm), Ø	:	3.15	4.00	5.00
Recommended Welding Current (Amps)	:	90 - 110	120 – 160	140 – 180
Hardness	:	55 – 60 HRC		
Tip Colour	:	Yellow		

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