

MACROLOY 812

MACROLOY 812 is a specially formulated low heat anti-wear alloy electrode for overlay and build-up on martensitic stainless steels. Deposits are tough and resistant to cavitations, erosion, abrasion and particle impact erosion.

Applications:

Pump sleeves, refiner cones, impellers, turbine runners, buckets and anti-wear coating on new or worn-out sugar mill trash plates.

Procedure:

Grind worn and fatigued metal. Preheat 13% chrome steels to 200 – 300⁰ C. Use electrode on AC/DC+ power source. Chip slag between passes. Maintain interpass temperature of 200⁰ C. Heat-treat /stress –relieve at 580-620⁰ C.

<u>Technical Data</u>	:	MACROLOY 812		
Size (mm)	:	3.15	4.0	5.0
Recommended Welding Current (Amps)	:	80 – 110	110 – 150	150-190
Hardness	:	32 – 35 HRC		
Tensile Strength (After Heat Treatment)	:	100 kgf/ mm ² (min.)		
Tip Colour	:	Golden Brown		

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 II : 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.