

## MACROLOY 712

A specially formulated low heat input "Anti-wear" electrode for overlay and buildup on straight chrome martensitic stainless steels and for producing straight chrome deposits on austenitic stainless steel and carbon steel. Hardness can be retained at 600°C. Deposits are tough, with high tensile strength and resistant to cavitation erosion, particle impact erosion, fluid flow erosion.

### Applications:

Suitable for antiwear coating on all types of valves, rotor discs, pump sleeves, (steel plant, thermal, petrochemical) new or worn out Refiner plug and sockets, impellers, pump casing and hydroelectric turbine runners.

### Procedure:

Grind worn and fatigued metal. Preheat straight chrome stainless steel upto 300° C.

<b><u>Technical Data</u></b>	:			
Tensile Strength	:	100kgf / mm <sup>2</sup>		
Elongation	:	15-17%		
Hardness	:	RC 45-50		
Coating Color	:	White		
Tip Color	:	Brown		
Size (mm), Ø	:	3.15	4.00	5.00
Recommended Welding Current (Amps)	:	80-110	100-130	140-180

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