

# VALIANT

## VALIANTHARD-Mn

Valianthard-Mn is an electrode depositing high manganese steel weld metal. The weld metal possesses excellent toughness and work hardness under impact. The deposits exhibits an austenitic structure and is ideally suited for resurfacing austenitic manganese steel components.

### CHEMICAL COMPOSITION

C	Mn	Si
0.85	15.5	0.55

### MECHANICAL PROPERTIES

TYPICAL WELD METAL HARDNESS
200-250 BHN [on M.S. 2 layers]

### WELDING PARAMETERS

	Size (mm)	Current (Amp.)
AC/DC (-)	5.00 X 450	160-200
	4.00 X 450	130-160
	3.15 X 450	90-120

### APPLICATION

Typical applications include crusher jaws, hammers, cement grinder rings, excavator teeth & lips, rail & switches, manganese steel castings etc.

#### INDIA

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