# Hardfacing and Wear Resistant SMAW Electrode

## **HARDMANG 3**

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### **Product Features:**

- Work hardening type covered electrodes for austenite manganese steel.
- High toughness weld metal to get fast hardening on high impact work condition.
- Welding of Mn steel to carbon steels.

### **Applications:**

 Suitable for repair welding of coned mining crusher, hammering crusher, impactor bars, rail frogs and crossings.

Typical chemical composition of all-weld metal(wt%)							
С	Si	Mn	Cr	Ni	Fe		
0.32	0.43	16.2	17.00	0.01	Bal.		

Typical hardnes	Typical hardness of weld metal				
As welded HRC	After work hardening HRC				
21	46				

Size (mm) & recommended welding parameters (A)						
Diameter / Length	3.2/350	4.0/350	4.8/350			
Flat position	100~150	150~200	170~230			

#### Note:

- 300~350°C x 1 hr baking prior to use.

