



## ZEDALLOY 16Cr

**HARD FACING (High Impact - Corrosion Resistance)**



Work Hardenable Alloy for Impact – Abrasion – Corrosion Resistance

### ALLOY BASIS :

Medium Carbon High Chromium with Manganese

### KEY FEATURES :

- Basic coated electrode
- Typical 16% Cr deposit
- Machinable and crack free deposit
- Specially formulated for resistance against impact, abrasion and corrosion
- Work hardening characteristics

### WELDING POSITION :



AC (100V) /DCEP

### TYPICAL APPLICATIONS :

- Dipper teeth and lips
- Dredger cutter teeth, Buckets
- Coal mining cutters, Rock crusher
- Ideal for buffer layer before hardfacing on mild, carbon, low alloy and austenitic Mn steels
- Pulveriser plows, Pump housing
- Conveyor rolls
- Austenitic Mn steel rails and castings

**REDRYING CONDITION : 250-300°C for minimum 1 hr.**

### PHYSICAL PROPERTIES :

Condition	Hardness, 3 Layer HRc (BHN)
As Welded	16 (200)
Work Hardened	52 (500)

### Machinability



### Abrasion Resistance



### Impact Resistance



### Corrosion Resistance



### PARAMETERS - PACKING DATA :

Ø x L, mm	Amperage, A	Wt./Carton, Kg	Carton/Box	Net wt./Box, Kg.
3.15 x 350	90-120	5	4	20
4.0 x 350	130-160	5	4	20
5.0 x 350	170-220	5	4	20

**Physical Properties: With increase in number of squares, property improves**