



ZEDALLOY BELL

HARD FACING (Abrasion - Corrosion)



Hardfacing Alloy for Elevated Temperature Abrasion - Corrosion Resistance

ALLOY BASIS :

Medium Carbon High Molybdenum-Nickel

KEY FEATURES :

- Basic type electrode
- Special alloying to improve impact resistance and red hardness
- Crack free weld in heavy build up
- Resistant to severe abrasion and corrosion at elevated temperature
- No drop in hardness even at 500°C due to secondary hardening

WELDING POSITION :



AC (100 V) / DCEP

TYPICAL APPLICATIONS :

- Blast furnace Bells & Hoppers
- Steel mill equipments
- Tong pins, Hot shears
- Metallurgical plants

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

PHYSICAL PROPERTIES :

Condition	Hardness, 3 layer HRc (BHN)	
	As Welded	At Room Temp
At 500°C		>55 (>550)

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	90-110	5	4	20
4.0 x 350	110-180	5	4	20
5.0 x 350	160-220	5	4	20
6.3 x 350	210-280	5	4	20

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

