

ZEDALLOY 16 Cr

IDENTIFICATION: Name Printed

CHARACTERISTICS

An electrode with pleasing performance for overlays on mild steel carbon, Low-alloy steels and austenitic manganese steels. Has excellent resistance to combined effect of impact, abrasion and corrosion. The deposit work hardens under impact from 200 BHN to 500 BHN and gives improved life to the component.

TYPICAL APPLICATIONS

• Dipper teeth • Shovel tracks • Rock crusher • Coal mining cutters • Charging rams • Tractor gougers • Dipper lips • Pump housing • Conveyor rolls • Conveyor buckets • Crusher mantles • Screw flights • Trucks Chains • Mill hammers • Scraper blades • Dredger cutter teeth • Plough shares shovel drive sprockets • Scarifier teeth • Pulveriser plows • Sand pump impellers • Ingot tongs, etc.

CURRENT CONDITIONS : AC, DC (+)

5.0	4.0	3.2
170-220	130-160	90-120

WELDING POSITIONS

F

REDRYING CONDITIONS

300°C for 1 hour

WELD METAL CHEMISTRY (%)

C	-	0.2-0.4	S	-	0.03 max.
Cr	-	15-18	P	-	0.03 max.
Mn	-	4.5-6			

PACKING DATA

Dia., mm	5.0	4.0	3.2
Length, mm	350	350	350
Wt. per carton, kg	5	5	5
Cartons / box	4	4	4
Net wt per box, kg	20	20	20

TYPICAL PROPERTIES OF WELD METAL

Weld Metal Hardness 3 Layer Deposit	Machinability	Abrasion Resistance	Impact Resistance	Corrosion Resistance
AW 200 BHN (Approx.)	Good	Average	Excellent	Good
Work Harding 500 BHN (Approx.)				



WELDERS TO THE NATION SINCE 1951
ADOR WELDING LIMITED

(Formerly Known as Advani-Oerlikon Ltd.)

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