



ZEDALLOY CoCr-A

AWS A/SFA 5.13 ECoCr-A

HARD FACING (High Temperature Oxidation - Impact - Abrasion)

ALLOY BASIS

C, Co, Cr

KEY FEATURES:

- Rutile coated electrode
- Machinable weld deposit
- Retains hardness up to 600°C
- Resistant to Metal to Metal Wear, High temperature Oxidation and Mechanical and Thermal Shocks

TYPICAL APPLICATIONS:

- Valves, Valve seats
- Sealing surfaces
- Hot pressing tools
- Conveyer screws
- Hot shear blades, Knives
- Dies and cutting edges in chemical, rubber, oil, sugar industries and Steel mills


CHEMICAL COMPOSITION OF UNDILUTED WELD METAL, Wt %:

C	Mn	Si	Cr	Ni	Mo	Fe	W	Co
0.72 - 1.4	2.0 max	2.0 max	25 - 32	3.0 max	1.0 max	5.0 max	3.0 - 6.0	Rem





MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	Hardness, HRc (BHN)	
Specification	As Welded	At Room Temp	23-47 (245-440)
Typical	As Welded	At 600°C	33 (310)

PARAMETERS - PACKING DATA:

Ø x L, mm 3.15 x 350 4.0 x 350 5.0 x 350	Amperage, A	 AC (70 OCV) / DCEN REDRYING CONDITION: 200°C for 1 hr.
	100-140	
	140-180	
180-220		

Available in Standard carton packing of 20 kg box containing 4 cartons of 5 kg each.

Machinability	Abrasion Resistance	Impact Resistance	Corrosion Resistance
			

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