

PRODUCT DATA SHEET

Duracor CR70-T3

Duracor CR70-T3 was specially formulated for use in sugar mills for reclaiming worn hammers and cane knives. It is ideal for use under high abrasion and moderate impact conditions and deposits large globules of weld metal which consist of large chromium carbides in an austenitic matrix.

Applications

Duracor CR70-T3 can be used on sugar mill hammers, cane knives, mining machinery, earth moving equipment, buckets, ripper teeth, pulverisers, coal crushers and other parts subject to abrasive wear.

Classifications

DIN	8555	MF6-GF-60-G
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Typical Chemical Analysis (All weld metal)

% Carbon	4,9	% Silicon	1,0
% Manganese	1,5	% Chromium	29,5

Typical Mechanical Properties

Abrasion Resistance	Excellent
Impact Resistance	Poor
Machinability	Grinding is difficult
Flame Cutting	Cannot be flame cut
Thickness	3-5 layers max
Microstructure	Massive chrome carbide in an austenite-carbide matrix
Deposit will relief check crack	

Typical Hardness

Layer	1020 Steel
1	54 HRc
2	57 HRc
3	60 HRc

Welding Data

Diameter (mm)	Current		Electrode Stick Out
	Amps (A)	Volts (V)	
2,8	400 - 450	26 - 29	38 - 51

Packing Data

Diameter (mm)	Spool Mass (kg)	Spool Type	Item Number
2,8	25,0	Spool	W071648

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