

RANITE[®] DG

General Description

Ranite DG is a chromium carbide type hardfacing alloy. It is recommended for parts where a low coefficient of friction and minimum cross checking are required. Deposits exhibit very high abrasion resistance combined with moderate impact service conditions. Ranite DG can be applied to carbon and low alloy steel. Deposits are not machinable and they cannot be forged.

Typical applications: Agriculture tillage tools, slurry screws, drill augers and Dredge cutters.

Welding Parameters

Rod Size 5/32" 3/16" 1/4" - - - - 28" Lengths

Ranite DG is a bare rod for application by oxyacetylene.

Deposit Characteristics

Coefficient of friction	Low
Hardness (two layers) HRC	58 - 60
Abrasion Resistance	Outstanding
Impact Strength	Moderate
Machinability	Grinding only
Thickness	Single layer best applied by oxyacetylene
Deposit cross check	Minimal

Deposit Chemistry

C	Mn	Si	Cr	B Ni	Fe
2.7	1.7	1.0	26.4	0.6 3.0	Balance

RANKIN[®]

Hardfacing Products

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