

ARCTEC® W 5070 M



GENERAL CHARACTERISTICS:

ARCTEC® W 5070 M is a complex carbide alloy designed to resist severe abrasive wear at service temperatures up to 450°C. Deposit is machineable by grinding only and cannot be flame cut.

APPLICATIONS:

ARCTEC® W 5070M deposits retain good hardness at elevated temperatures (450°C). Deposit thickness should not exceed 3/8" in 2-3 layers. Typical applications include: augers, sintering plant equipment, bucket teeth, hammer mill equipment, screw conveyors, coal screens and other wear surfaces subject to severe abrasion.

MECHANICAL PROPERTIES:

Typical Hardness As Deposited
62-65 RC

This alloy is composed of the following elements:

C Cr V W B Fe

OPERATING PARAMETERS:

WELDING PROCESS: FCAW

POLARITY: DC Reverse

SHIELDING GAS: Not required

Operating Range			
Diameter	Stickout	Amps	Volts
.045" (1.2mm)	20-30 mm	100-220	18-24
1/16" (1.6 mm)	20-30 mm	190-200	26-30

STANDARD SIZE AND PACKAGING:

.045" 1.2mm	1/16" 1.5mm	15Kg Spool
1/16" 1.5mm	7/64" 2.8mm	25Kg Coils

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