

SK 512-O

DIN 8555 : MF 10-GF-65-G

DESCRIPTION

1

Special Chromium-Boron alloy designed to give extreme resistance to high stress and gouging abrasion, and achieve a very high hardness in one pass deposits. The deposits will show stress relief cracks.

SUITABLE FOR

2

Bucket teeth and lips on bucket-wheel excavators in coal and phosphate mines, brick and clay mill augers, bucket teeth and lips on shovel buckets and bulldozer blades working in sand, wear plates and screens in the coal industry.

TYPICAL CHEMICAL ANALYSIS (WEIGHT %)

3

	C	Mn	Si	Cr	Ni	Mo	Fe	B
All Weld	4.50	1.5	0.9	28.50	2.00	2.7	Bal.	0.9

TYPICAL MECHANICAL PROPERTIES

4

Hardness as welded

64 HRC

GENERAL CHARACTERISTICS

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- Microstructure: Complex carbides and borides in an austenitic matrix
- Machinability: Grinding only
- Oxy-acetylene cutting: Cannot be flame cut
- Deposit thickness: Maximum 2 layers
- Metal cored

WELDING PARAMETERS & ECONOMICAL DATA

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Diameter [mm]	Current [A]	Voltage [V]	Stick-Out	Article code	Packaging	Availability
2,8	300-500	26-30	35-40	29673	Autopack 250 Kg	On request with minimal quantity

The information about the products contained in the data sheets are based on intensive tests and careful investigations. However we can't assume any form of liability concerning the exactness of it. The information may be changed or updated without previous notice. The user is invited to test the product with regard to his own application and responsibility.