

SK 451-O

DIN 8555 : MF 10-GF-60-G

DESCRIPTION

1

Chromium-Niobium-Vanadium alloy designed to resist high stress grinding abrasion at service temperature not exceeding 450°C. The deposits will show stress relief cracks.

SUITABLE FOR

2

Wear plates, groundnut oil expeller screws, screen in the coal industry, bucket teeth on bucket-wheel excavators, shovel bucket teeth and lips.

TYPICAL CHEMICAL ANALYSIS (WEIGHT %)

3

	C	Cr	Nb	V	Fe
All Weld	5.40	21.20	5.00	5	Bal.

TYPICAL MECHANICAL PROPERTIES

4

Hardness as welded

60 HRC

GENERAL CHARACTERISTICS

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- Microstructure: Primary and eutectic carbides, nodular Niobium and square vanadium carbides
- Machinability: Grinding only
- Oxy-acetylene cutting: Cannot be flame cut
- Deposit thickness: 8 to 10 mm maximum in 2 to 3 layers
- Metal cored

WELDING PARAMETERS & ECONOMICAL DATA

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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.