

SK A 45W-O

DIN 8555 : MF 10-GF-65-GT

DESCRIPTION

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Chromium-Niobium-Molybdenum alloy with addition of Tungsten and Vanadium designed to resist high stress grinding abrasion with low impact and solid erosion at service temperatures up to 650°C. The deposits will readily show stress relief cracks.

SUITABLE FOR

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Wear plates, Sinter finger crushers, exhaust fan blades in pellet plants, perlite crushers, bucket teeth and lips on bucket-wheel excavators in phosphate mines, Boiler fan blades in the sugar cane industry, burden area in blast furnace bells, wear plates in blast furnace bell-less top charging systems .

TYPICAL CHEMICAL ANALYSIS (WEIGHT %)

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	C	Mn	Si	Cr	Mo	Nb	W	V	Fe
All Weld	5.50	0.2	0.5	21.20	6.2	6.10	1.8	1	Bal.

TYPICAL MECHANICAL PROPERTIES

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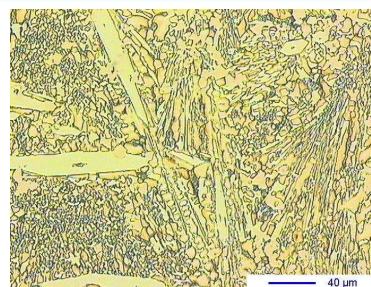
Hardness as welded

63 HRC

GENERAL CHARACTERISTICS

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- Microstructure: Austenitic matrix with complex carbides of different types
- Chromium rich hexagonal primary carbides,
- M7C3 eutectic carbides and nodular Niobium carbides.
- Machinability: Grinding only
- Oxy-acetylene cutting: Cannot be flame cut.
- Deposit thickness: 8 to 10 mm in 2 to 3 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	300-350	26-30	35-40	29672	Autopack 1 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.