

## SK A 46-O

DIN 8555 : MF 10-GF-60-GZ

### DESCRIPTION

1

Chromium-Molybdenum-Cobalt alloy designed to resist high stress grinding abrasive wear at service temperature up to 650°C. The deposits will readily show stress relief cracks. The deposits can be heat treated to 900°C and then quenched in water to give a hardness of 67HRC.

### SUITABLE FOR

2

Ore crushers, fan blades, pump casing, Sinter plant parts, back-up plates in steel grit blasting equipment.

### TYPICAL CHEMICAL ANALYSIS (WEIGHT %)

3

	C	Mn	Si	Cr	Mo	Fe	Co
All Weld	4.70	0.2	1.0	20.70	5.0	Bal.	8.8

### TYPICAL MECHANICAL PROPERTIES

4

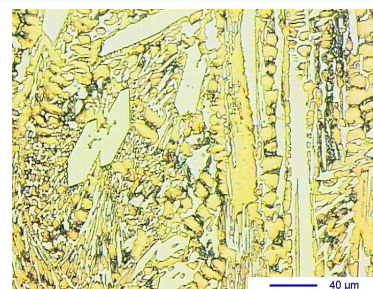
Hardness as welded

61 HRC

### GENERAL CHARACTERISTICS

5

- Microstructure: Complex carbides in an austenitic matrix
- Machinability: Grinding only
- Oxy-acetylene cutting: Cannot be flame cut
- Deposit thickness: 10 to 12 mm in 2 to 3 layers
- Metal cored



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.

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### WELDING PARAMETERS & ECONOMICAL DATA

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Diameter [mm]	Current [A]	Voltage [V]	Stick-Out	Article code	Packaging	Availability
1,6	180-200	26-30	35-40	29428	Spool 15 Kg	Standard
2,0	200-250	26-30	35-40	29429	Spool 15 Kg	On request with minimal quantity
2,4	250-300	26-30	35-40	29430	Spool 15 Kg	On request with minimal quantity
2,8	300-350	26-30	35-40	29431	Spool 15 Kg	On request with minimal quantity
2,8	300-350	26-30	35-40	40429	Coil 25 Kg	On request with minimal quantity
2,8	300-350	26-30	35-40	41229	Autopack 150 Kg	On request with minimal quantity

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