

SK A 45-OSP

DIN 8555 : MF 10-GF-65-GT

DESCRIPTION 1

Alloy 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 2

Sinter plant parts, spine crusher in steel industry, exhaust fan blades in pellet plants, bucket teeth and lips on bucket-wheel excavators in phosphate mines, ID 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 %) 3

| | C | Mn | Si | Cr | Mo | Nb | W | V | Fe |
|----------|------|-----|-----|-------|-----|------|-----|---|------|
| All Weld | 5.30 | 0.2 | 0.7 | 21.30 | 5.7 | 6.00 | 1.9 | 1 | Bal. |

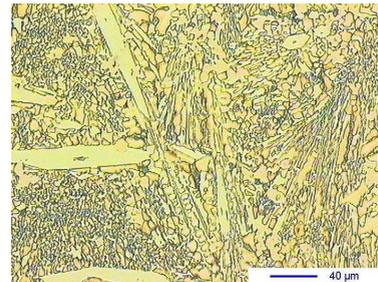
TYPICAL MECHANICAL PROPERTIES 4

Hardness as welded

63 HRC

GENERAL CHARACTERISTICS 5

- 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 12 mm in 2 or 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 |
|---------------|-------------|-------------|-----------|--------------|-----------------|----------------------------------|
| 2,4 | 250-300 | 26-30 | 35-40 | 29416 | Spool 15 Kg | On request with minimal quantity |
| 2,8 | 300-350 | 26-30 | 35-40 | 29417 | Spool 15 Kg | On request with minimal quantity |
| 2,8 | 300-350 | 26-30 | 35-40 | 31871 | Coil 25 Kg | On request with minimal quantity |
| 2,8 | 300-350 | 26-30 | 35-40 | 29667 | Autopack 250 Kg | On request |

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