soudokay

SK A 83-0

DIN 8555: MF 20-GF-55-GZ

I DESCRIPTION

1

Special Cobalt base alloy designed to resist abrasion and oxidation wear at service temperature from 600° to 1.000°C.

SUITABLE FOR

2

Sinter plant breaker bars, screen plates.

I TYPICAL CHEMICAL ANALYSIS (WEIGHT %)

3

| | С | Mn | Si | Cr | Nb | Fe | Co | Ti |
|----------|------|-----|-----|-------|------|------|------|-----|
| All Weld | 5.50 | 1.4 | 1.4 | 24.00 | 6.00 | 10.0 | Bal. | 1.5 |

I TYPICAL MECHANICAL PROPERTIES

4

Hardness as welded

63 HRC

I GENERAL CHARACTERISTICS

5

Microstructure
Complex carbides (65%) in an austenitic matrix

Machinability

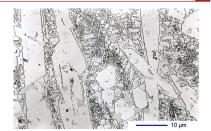
Grinding only

Oxy-acetylene cutting

Cannot be flame cut

Deposit thickness

2 to 3 layers



WELDING PARAMETERS & ECONOMICAL DATA

6

| | Diameter [mm] | Current [A] | Voltage [V] | Stick- Out | Article code | Packaging | Availability |
|---|------------------|----------------|----------------|---------------|--------------|-------------|----------------------------------|
| | 1,6 | 180-200 | 26-30 | 35-40 | 41235 | Spool 15 Kg | On request with minimal quantity |
| • | 2,4 | 250-300 | 26-30 | 35-40 | 41239 | Spool 15 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.



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