

SK 742 N-O

DIN 8555 : MF 5-GF-45

DESCRIPTION

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Alloy depositing a ferritic-martensitic steel with addition of Nitrogen designed to enhance the resistance to thermal fatigue and inter granular corrosion by reducing the formation of carbides at grain boundaries.

SUITABLE FOR

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Continuous casting rollers.

TYPICAL CHEMICAL ANALYSIS (WEIGHT %)

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	C	Mn	Si	Cr	Ni	Mo	Nb	V	Fe	N
All Weld	0.05	1.2	0.3	14.00	3.40	1.5	0.15	0	Bal.	0.1

TYPICAL MECHANICAL PROPERTIES

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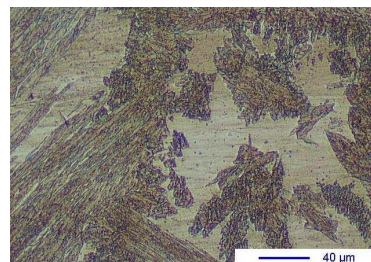
Hardness as welded

45 HRc

GENERAL CHARACTERISTICS

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- Microstructure: Martensite + 10% Ferrite
- Machinability: Good with metallic carbide tipped tools
- Oxy-acetylene cutting: Cannot be flame cut
- Deposit thickness: Depends upon application and procedure used



WELDING PARAMETERS & ECONOMICAL DATA

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Diameter [mm]	Current [A]	Voltage [V]	Stick-Out	Article code	Packaging	Availability
2,4	250-300	26-29	35-40	NA	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.