WEARcore 741 (SK 741-G)

gas shielded metal cored wire

Classifications	
En 14700	DIN 8555
T Fe7	MF 5-GF-40-C

Characteristics

Alloy depositing a ferritic-martensitic steel containing 13% Chromium, 5% Nickel and 1% Molybdenum designed to resist metal-to-metal wear, corrosion and thermal fatigue fire cracking.

Microstructure:	Martensite + 10% Ferrite
Machinability:	Good with carbide tipped tools
Oxy-acetylene cutting:	Cannot be flame cut
Deposit thickness:	Depends upon application and procedure used
Shielding gas:	Argon 98% + Oxygen 2%

Field of use

Surfacing of continuous casting rollers of very small diameters (<150mm).

Typical analysis in %

C	Mn	Si	Cr	Ni	Mo	Fe
0,06	0,5	0,6	13,0	5,5	0,8	balance

Typical mechanical properties

Hardness as welded: 41 HRC

Recommended welding parameters

Wire diameter [mm]	Amperage [A]	Voltage [V]	Stick-Out [mm]	Gas-Rate [L/min]
1,2	110-180	20-31	20 max.	10-18
1,6	150-250	20-31	20 max.	10-18
2,4	250-350	20-31	20 max.	10-18

All information provided is based upon careful investigation and intensive research.
However, we do not assume any liability for correctness and information is subject to change without notice.