

SAW cored wire

Classifications						
DIN 8555						
UP 5-GF-45-C						
Characteristics						
Alloy depositing a ferritic-martensitic steel with addition of Nitrogen designed to enhance the resistance to thermal fatigue and intragranular corrosion by reducing the formation of carbides at grain boundaries.						
Microstructure:	cture: 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
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Record SK

Welding flux:

Field of use

Continuous casting rollers.

Typical analysis in %									
С	Mn	Si	Cr	Ni	Мо	Nb	V	Ν	Fe
0.04	1.2	0.4	13.5	3.3	1.3	0.1	0.15	0.06	balance

Typical mechanical properties

Hardness as welded: 44 HRC

Recommended welding parameters

Wire diameter [mm]	Amperage [A]	Voltage [V]	Stick-Out [mm]	Flux-Rate [kg per kg wire]	Travel Speed [cm/min]
2.4	275 – 450	28 – 30	30 – 35	1.1	35 – 45
2.8	300 - 400	28 – 30	30 – 35	1.1	35 – 45
3.2	325 - 500	28 – 32	30 – 35	1.1	40 - 50