

# SK 258-G

low-alloyed steels

## Classifications

gas-shielded metal-cored wire

DIN 8555

MF 6-GF-55-GT

## Characteristics

Martensitic alloy designed to give an outstanding resistance to low stress abrasion with heavy impact and high compressive stresses. The deposit is heat treatable and forgeable.

Microstructure: Martensite

Machinability: Grinding only

Oxy-acetylene cutting: Flame cut is difficult

Deposit thickness: Depends upon application and procedure used

Shielding gas: Argon 98% + Oxygen 2%

## Field of use

Cable sheaves, bed knives, steel mill rollers, crane wheels, forging dies.

## Typical analysis in %

C	Mn	Si	Cr	Mo	W	Fe
0.45	1.6	0.8	5.5	1.3	1.3	balance

## Typical mechanical properties

Hardness as welded: 53 HRC

## Form of delivery and recommended welding parameters

Wire diameter [mm]	Amperage [A]	Voltage [V]	Stick-out [mm]	Gas flow [L/min]
1.2	110 – 180	20 – 31	20 max.	12 – 15
1.6	150 – 300	20 – 31	20 max.	15 – 18
2.8	300 – 400	20 – 31	20 max.	20 – 22