

Classifications

DIN 8555

MF 10-GF-65-GT

Characteristics

Special Chromium-Vanadium alloy specially developed to resist high stress grinding abrasive wear. The deposit will readily show stress relief cracks.

Microstructure: Austenitic matrix with primary and eutectic carbides enhanced with Vanadium carbides.

Machinability: Grinding only

Oxy-acetylene cutting: Cannot be flame cut

Deposit thickness: Maximum 3 layers

Field of use

Mixer blades, armour plates of crushers.

Typical analysis in %

C	Mn	Si	Cr	V	Fe
4.8	0.6	1.2	20.5	9.9	balance

Typical mechanical properties

Hardness as welded: 61 HRC

Recommended welding parameters

Wire diameter [mm]	Amperage [A]	Voltage [V]	Stick-Out [mm]
1.6	180 – 200	26 – 30	35 – 40