

Classifications

EN 14700

DIN 8555

T Fe8

UP 6-GF-55-CG

Characteristics

Martensitic alloy designed to resist metal-to-metal wear, corrosion and thermal fatigue

Microstructure: Chromium carbide in a martensitic Matrix with residual austenite

Machinability: Fair with carbide tipped tools

Oxy-acetylene cutting: Cannot be flame cut

Welding flux: Record SA

Field of use

Pinch rollers, bending rollers, deflector rollers, looper rollers

Typical analysis in %

C	Mn	Si	Cr	Mo	Fe
0.30	1.2	0.4	15.1	0.4	balance

Typical mechanical properties

Hardness as welded: 54 HRC

Recommended welding parameters

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