

## Classifications

<b>EN 14700</b>	<b>DIN 8555</b>
T Z Fe6	MF 6-GF-60-GP

## Characteristics and typical fields of application

Martensitic Chromium-Titanium alloy designed to resist high stress abrasion with heavy impact. Deposits usually do not relieve cracks.

Microstructure: Finely dispersed Titanium carbides in a hard Chromium martensitic matrix

Machinability: Grinding only

Oxy-acetylene cutting: Cannot be flame cut

Deposit thickness: 15 to 18 mm in 5 to 6 layers

Field of use: Crusher rollers, crusher hammers, asphalt mixer blades, agricultural tools, shovel bucket teeth and lips, bulldozer blades, cane knives and shredders, bed knives in the wood pulp industry.


## Typical analysis

	C	Si	Mn	Cr	Mo	Ti	Fe
wt.-%	1.5	0.2	0.9	6.1	1.3	4.7	bal.

## Mechanical properties of all-weld metal - typical values (min. values)

Condition	Hardness
u	59
u - untreated, as welded	

## Operating data

	Polarity	DC +	Dimension mm	Current A	Voltage V
	Shielding gas (EN ISO 14175)	NO GAS			
Stick-Out		35-40 mm	1.6	180-200	26-30
			2.0	200-280	26-30
			2.4	250-300	26-30
			2.8	300-350	26-30

## Approvals

-