

Classifications									
EN14700									
T Z Fe16									
Characteristics and typical fields of application									
<ul style="list-style-type: none"> Chromium-niobium alloy designed to resist high stress grinding abrasion at service temperature up to 450°C. The deposits will readily stress relief check crack. Used for wear plates, groundnut oil expeller screws, screens in the coal industry, bucket teeth on bucket-wheel excavator, shovel bucket teeth and lips. 									
Typical analysis of all-weld metal									
C	Si	Mn	Cr	Nb					
5.5	-	0.3	20.0	7.0					
Mechanical properties of all-weld metal – typical values (min. values)									
	PWHT	Shield gas	As Welded	Work-hardened					
	(°C/h)		(HRC)	(HRC)					
Typical	-	-	64	-					
Guarantee	-	-	62-67	-					
General Characteristics									
Microstructure	Machinability	Oxyacetylene cutting	Deposit thickness	Shield gas					
Complex carbides in an austenitic matrix	Grinding only	Cannot be flame out	10-12mm in 2 to 3 layers	-					
Operating Data									
Dia.(mm)	Current(A)	Voltage(V)	Stick-out(mm)						
2.8	300-400	26-30	35-40						