stainless steels

OII A OOI				
	Classifications		solid wire	
	EN ISO 14343-A	AWS A5.9	Material-No.	
	G 20 0	FR 312	1 4337	

Characteristics and field of use

IITP A 651

UTP A 651 is suitable for joining and surfacing of steels of difficult weldability, repair of hot and cold working steels, cushioning layers.

The weld metal of UTP A 651 is scale resistant up to 1150 °C. Crack and wear resistant, stainless and work hardening.

Hardness of the pure weld metal: approx. 240 HB.

Typical analysis in %							
С	Si	Mn	Cr	Ni	Fe		
0.1	0.4	1.6	30.0	9.0	balance		

Mechanical properties of the weld metal								
Yield strength $R_{p0.2}$	Tensile strength R _m	Elongation A	Impact strength K_{V}					
MPa	MPa	%	J (RT)					
650	750	25	27					

Welding instructions

Clean weld area thoroughly. High carboned and solid work pieces depending on shape and size have to be preheated up to 150 – 250 °C. Steady guidance during welding process.

Form of delivery and recommended welding parameters							
Wire diameter [mm]	Current type	Shielding gas (EN ISO 14175)					
0.8*	DC (+)	M 12	M 13				
1.0*	DC (+)	M 12	M 13				
1.2	DC (+)	M 12	M 13				
*available on request							