


ER Ti-2

CATEGORY	GMAW-GTAW Solid wires					
TYPE	Solid Titanium welding wire					
APPLICATIONS	ER Ti-2 is developed for welding Titanium grade 1, 2, 3 and 4. This alloy finds his applications in chemical industry and offers excellent Weldability.					
PROPERTIES	The weld deposit is ductile and offers excellent corrosion resistance in oxidizing environments. The unique combination of mechanical strenght and corrosion resistance makes the alloy a preferred choice in many applications to prefdend or solve problems. The wire is cleaned in a very special way to obtain porosity free and a ductile weld deposit.					
CLASSIFICATION	AWS	A 5.16: ER Ti 2				
	EN ISO	24034: S Ti 0120 (Ti 99,6)				
	DIN: W.Nr.	3.7036				
	DIN	1737: SG Ti 2				
SUITABLE FOR	Titanium grade 1, 2, 3 and 4.					
APPROVALS	CE approved					
WELDING POSITIONS:						
WELD METAL ANALYSIS %						
C	Fe	O2	H	N	Ti	
< 0.08	< 0.25	< 0.18	< 0.013	< 0.05	rem	
MECHANICAL PROPERTIES						
Heat Treatment	R _{p0,2} (N/mm ²)	R _m (N/mm ²)	A5 (%)	Impact Energy (J) ISO-V		Hardness HRc / HV
				-20°C	-40°C	
AW	275	395-540	20			
AW: as welded						
WELDING PARAMETERS / PACKING						
	Welding Parameters			Packing		
D (mm)	Length (mm)	Current (A)		kg / tube		
1.0	1000			5		
1.6	1000			5		
2.0	1000			5		
2.4	1000			5		
3.2	1000			5		
REDRYING TEMPERATURE	not required					
NOTE	Also available as spooled wire :0.8 mm, 1.0 mm and 1.2 mm (D-100 / D-200 / D-300)					