## CEWELD<sup>®</sup> ERTi-1



CATEGORY	GTAW Solid wires								
ТҮРЕ	Solid Titanium welding wire Grade 1 (purest grade)								
APPLICATIONS	CEWELD ERTi-1 Grade 1 is the lowest strength unalloyed (or Commercially Pure-CP) grade. Grade 1 is used in applications where ductility is paramount, such as explosive cladding, loose linings, expanded metal, and deep drawing applications. It is also used in electrolytic applications like coated anode substrates for production of chlorine and sodium chlorate.								
PROPERTIES	The weld deposit is ductile and offers excellent corrosion resistance in oxidizing environments. The purity and corrosion resistance makes the alloy a preferred choice in many applications to prefent or solve problems. The wire is cleaned in a very special way to obtain porosity free and a ductile weld deposits.								
CLASSIFICATION	AWS A 5.16: ERTi-1 EN ISO 24034: S Ti 0100 / Ti99,8 F-nr 51								
SUITABLE FOR	ER Ti-1 is the purest grade and is suitable for welding Titanium grade 1, 2, 3 and 4. With the restriction that the mechanical properties are much less than Grade 2, 3 and 4. The weld deposit is ductile and offers excellent corrosion resistance in oxidizing environments. This alloy finds his applications in chemical industry and offers excellent Weldability.								
APPROVALS	No Approvals Found								
WELDING POSITIONS:									

## TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

0.02 0.003 0.01 0.03 0.02	-		N	0	Е.	 					
0.02 0.003 0.01 0.03 0.02	L	H	N	U	Fe						
	0.02	0.003	0.01	0.03	0.02						

## ALL WELD MECHANICAL PROPERTIES

Heat	R <sub>P0,2</sub>	Rm	A5
Treatment	MPa	MPa	(%)
As Welded /	250	320	24

## WELDING PARAMETERS / PACKING

WELDING PARA	METERS WELDING PARA	METERS WELDING PARAMETERS	PACKING
D (MM)	LENGTH (MM)	CURRENT (A)	KG / TUBE
1.2	1000		2.5
1.6	1000		2.5
2.0	1000		2.5
2.4	1000		2.5
REDRYING TEMPERATURE	Not required		
GAS ACCORDING EN 14175	11		