



CEWELD ERTi-1 Tig

TYPE	Solid Titanium welding wire Grade 1 (purest grade). ERTi-1																				
APPLICATIONS	CEWELD ERTi-1 Tig is the lowest strength unalloyed (or Commercially Pure-CP) grade. 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. It 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.																				
PROPERTIES	The weld deposit of CEWELD ERTi-1 Tig 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 prevent or solve problems. The wire is cleaned in a very special way to obtain porosity free and a ductile weld deposits.																				
CLASSIFICATION	<table><tr><td>AWS</td><td>A 5.16: ERTi-1</td></tr><tr><td>EN ISO</td><td>24034: S Ti 0100 / Ti99,8</td></tr><tr><td>F-nr</td><td>51</td></tr><tr><td>W.Nr.</td><td>3.7026</td></tr></table>							AWS	A 5.16: ERTi-1	EN ISO	24034: S Ti 0100 / Ti99,8	F-nr	51	W.Nr.	3.7026						
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EN ISO	24034: S Ti 0100 / Ti99,8																				
F-nr	51																				
W.Nr.	3.7026																				
SUITABLE FOR	3.7025, ~3.7035, ~3.7065 Titan Grade 1, ~Grad2, Grad3, ~ Grad4																				
APPROVALS	No Approvals Found																				
WELDING POSITIONS																					
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table><tr><td>C</td><td>H</td><td>N</td><td>O</td><td>Fe</td><td>Ti</td><td>Rem.</td></tr><tr><td>0.02</td><td>0.004</td><td>0.01</td><td>0.05</td><td>0.05</td><td></td><td></td></tr></table>							C	H	N	O	Fe	Ti	Rem.	0.02	0.004	0.01	0.05	0.05		
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ALL WELD MECHANICAL PROPERTIES	<table><tr><td>Heat Treatment</td><td>$R_{P0,2}$ MPa</td><td>Rm MPa</td><td>A5 (%)</td><td></td><td></td><td></td></tr><tr><td>As Welded /</td><td>250</td><td>320</td><td>24</td><td></td><td></td><td></td></tr></table>							Heat Treatment	$R_{P0,2}$ MPa	Rm MPa	A5 (%)				As Welded /	250	320	24			
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As Welded /	250	320	24																		
REDRYING TEMPERATURE	Not required																				
GAS ACCORDING EN 14175	I1																				



CEWELD ERTi-1 Tig

ERTI-1 TIG 1,2 X 1000MM

Type	KG/unit	EANCode
Tube	2,5	8720663406330

ERTI-1 TIG 1,6 X 1000MM

Type	KG/unit	EANCode
Tube	2,5	8720663406347

ERTI-1 TIG 2,0 X 1000MM

Type	KG/unit	EANCode
Tube	2,5	8720663406354

ERTI-1 TIG 2,4 X 1000MM

Type	KG/unit	EANCode
Tube	2,5	8720663406361