

CEWELD ERTi-1

TYPE	Solid Titanium welding wire Grade 1 (purest grade). ERTi-1													
ANWENDUNGEN	<p>CEWELD ERTi-1 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.</p>													
EIGENSCHAFTEN	<p>The weld deposit of CEWELD ERTi-1 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</p>													
KLASSIFIKATION	<table border="0"> <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>W.Nr.</td> <td>3.7026</td> </tr> <tr> <td>F-nr</td> <td>51</td> </tr> </table>						AWS	A 5.16: ERTi-1	EN ISO	24034: S Ti 0100 / Ti99,8	W.Nr.	3.7026	F-nr	51
AWS	A 5.16: ERTi-1													
EN ISO	24034: S Ti 0100 / Ti99,8													
W.Nr.	3.7026													
F-nr	51													
GEEIGNET FÜR	<p>3.7025, ~3.7035, ~3.7065 Titanium Grade 1, ~2, ~3 and ~4.</p>													
ZULASSUNGEN	CE													
SCHWEISSPOSITIONEN	 PA  PB  PC													
TYPISCHE CHEMISCHE ANALYSE DES SCHWEISSMETALLS (%)	C	H	N	O	Ti	Fe								
	0.02	0.004	0.01	0.05	Rem.	0.05								
MECHANISCHE GÜTEWERTE	Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness									
	As Welded	250	320	24	HRc									
RÜCKTROCKNUNG	Not required													
GAS ACC. EN ISO 14175	I1													