

## ER Ti-2 Tig

<b>CATEGORY</b>	GMAW-GTAW Solid wires								
<b>TYPE</b>	Solid Titanium welding wire								
<b>APPLICATIONS</b>	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.								
<b>PROPERTIES</b>	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.								
<b>CLASSIFICATION</b>	<table border="0"> <tr> <td>AWS</td> <td>A 5.16: ER Ti 2</td> </tr> <tr> <td>EN ISO</td> <td>24034: S Ti 0120 (Ti 99,6)</td> </tr> <tr> <td>DIN: W.Nr.</td> <td>3.7036</td> </tr> <tr> <td>DIN</td> <td>1737: SG Ti 2</td> </tr> </table>	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
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DIN: W.Nr.	3.7036								
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<b>SUITABLE FOR</b>	Titanium grade 1, 2, 3 and 4.								
<b>APPROVALS</b>	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	Rp0,2 (N/mm <sup>2</sup> )	Rm (N/mm <sup>2</sup> )	A5 (%)	Impact Energy (J) ISO-V			Hardness HRC / HV
				-20°C	-40°C	-60°C	
AW	275	395-540	20				

AW: as welded

### WELDING PARAMETERS / PACKING

D (mm)	Welding Parameters		Packing kg / tube
	Length (mm)	Current (A)	
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)