



# CEWELD SG TITAN

TYPE	Special MAG wire with deoxidizing additives for improved welding properties (2Ti, ER70S-2).																
APPLICATIONS	CEWELD® SG TITAN is recommended for applications requiring high purity of the weld metal. Ideal for dirty, rusty, painted or galvanized steel sheets during maintenance and repair. in the areas of vehicle restoration, body shops, frame and overhaul work....																
PROPERTIES	CEWELD® SG TITAN is characterized by low spattering, excellent flow properties and deoxidation properties due to the addition of Zr, Ti and aluminium.																
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.18: ER 70S-2</td> </tr> <tr> <td>EN ISO</td> <td>14341-A: G 46 A M21 2Ti</td> </tr> <tr> <td>F-nr</td> <td>6</td> </tr> <tr> <td>FM</td> <td>1</td> </tr> </table>	AWS	A 5.18: ER 70S-2	EN ISO	14341-A: G 46 A M21 2Ti	F-nr	6	FM	1								
AWS	A 5.18: ER 70S-2																
EN ISO	14341-A: G 46 A M21 2Ti																
F-nr	6																
FM	1																
SUITABLE FOR	<p><b>Rp &lt; 420 MPa (60ksi) ISO 15608: 1.1</b> ReH &lt; 275 MPa, 1.2 275 &lt; ReH &lt; 360 MPa , (1.3 ReH &gt; 360 MPa &lt; 420 MPa)</p> <p>1.0035, 1.0038, 1.0039, 1.0044, 1.0112, 1.0116, 1.0130, 1.0145, 1.0253, 1.0254, 1.0255, 1.0258, 1.0259, 1.0319, 1.0345, 1.0345, 1.0345, 1.0348, 1.0352, 1.0418, 1.0420, 1.0425, 1.0425, 1.0425, 1.0451, 1.0452, 1.0453, 1.0457, 1.0459, 1.0460, 1.0460, 1.0461, 1.0486, 1.0490, 1.0491, 1.0619, 1.1100, 1.0409, 1.0421, 1.0426, 1.0429, 1.0430, 1.0436, 1.0473, 1.0481, 1.0482, 1.0484, 1.0505, 1.0545, 1.0546, 1.0562, 1.0566, 1.0570, 1.0578, 1.0581, 1.0582, 1.8902, 1.8912, 1.8932</p> <p>S235JR-S355JR, S235JO-S355JO, P195TR1-P265TR1, P195GH-P265GH, L245NB-L360NB, L245MB-L360MB, L415NB, L415MB, WStE 380, WStE 420, S420NL</p> <p>A, B, D</p> <p>ASTM A 106, Gr. A, B; A 283 Gr. A, C; A 285 Gr. A, B, C; A 501, Gr. B; A 573, Gr. 58, 65, 70; A 633, Gr. A, C; A 711 Gr. 1013; API 5 L Gr. B, X42, X52, X60 5</p>																
APPROVALS	CE																
WELDING POSITIONS																	
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Al</th> <th>Ti+Zr</th> </tr> </thead> <tbody> <tr> <td>0.05</td> <td>0.5</td> <td>1.2</td> <td>0.01</td> <td>0.01</td> <td>0.1</td> <td>0.17</td> </tr> </tbody> </table>	C	Si	Mn	P	S	Al	Ti+Zr	0.05	0.5	1.2	0.01	0.01	0.1	0.17		
C	Si	Mn	P	S	Al	Ti+Zr											
0.05	0.5	1.2	0.01	0.01	0.1	0.17											
MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">R<sub>P0,2</sub> (MPa)</th> <th rowspan="2">R<sub>m</sub> (MPa)</th> <th rowspan="2">A<sub>5</sub> (%)</th> <th colspan="2">Impact Energy (J) ISO-V</th> <th rowspan="2">Hardness</th> </tr> <tr> <th colspan="2">-30°C</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td>460</td> <td>565</td> <td>24</td> <td colspan="2">60</td> <td>HRC</td> </tr> </tbody> </table>	Heat Treatment	R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Hardness	-30°C		As Welded	460	565	24	60		HRC
Heat Treatment	R <sub>P0,2</sub> (MPa)					R <sub>m</sub> (MPa)	A <sub>5</sub> (%)		Impact Energy (J) ISO-V		Hardness						
		-30°C															
As Welded	460	565	24	60		HRC											
REDRYING	Not required																
GAS ACC. EN ISO 14175	M21																



# CEWELD SG TITAN

## SG TITAN 0,6MM

Packaging	KG/unit	EanCode
D-200	5	8720663404930
D-300	15	8720663404947

## SG TITAN 0,8MM

Packaging	KG/unit	EanCode
D-200	5	8720663405036
D-300	15	8720663405067

## SG TITAN 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663405319
Drum	250	8720663405326

## SG TITAN 1,2MM

Packaging	KG/unit	EanCode
D-300	15	8720663405333