



# CEWELD SG TITAN

TYPE	Special Mag wire with desoxidation additions for improved welding properties.																
APPLICATIONS	Recommended for applications that require high purity of the weld metal. Ideal for diluted, rusty, painted or galvanized steel plates in maintenance and repair. Car restoration, body shops, frames and overhaul work.																
PROPRIÉTÉS	Low spatter formation, excelent flowing and desoxidation properties due to the addition of Zr, Ti and Aluminium. SG Titan is a bronzed wire to offer excellent feeding properties with standard steel liners.																
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																
CONVIENT POUR	<p><b>Rp &lt; 420 MPa (60ksi) ISO 15608: 1.1 ReH &lt; 275 MPa, 1.2 275 &lt; ReH &lt; 360 MPa , (1.3 ReH &gt; 360 MPa &lt; 420 MPa)</b></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>																
AGRÉMENTS	CE																
POSITIONS DE SOUDAGE																	
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											
PROPRIÉTÉS MÉCANIQUES	<table border="1"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">Rp0,2 (MPa)</th> <th rowspan="2">Rm (MPa)</th> <th rowspan="2">A5 (%)</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	Rp0,2 (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V		Hardness	-30°C		As Welded	460	565	24	60		HRc
Heat Treatment	Rp0,2 (MPa)					Rm (MPa)	A5 (%)		Impact Energy (J) ISO-V		Hardness						
		-30°C															
As Welded	460	565	24	60		HRc											
ETUVAGE	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