


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						
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EN ISO	14341-A: G 46 A M21 2Ti														
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SUITABLE FOR	<p>Rp < 420 MPa (60ksi) ISO 15608: 1.1 ReH < 275 MPa, 1.2 275 < ReH < 360 MPa , (1.3 ReH > 360 MPa < 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 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
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ALL WELD MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th>Heat Treatment</th> <th>R_{p0,2} MPa</th> <th>R_m MPa</th> <th>A₅ (%)</th> <th>Impact Energy (J) ISO-V -30°C</th> </tr> </thead> <tbody> <tr> <td>As Welded /</td> <td>460</td> <td>565</td> <td>24</td> <td>60</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V -30°C	As Welded /	460	565	24	60				
Heat Treatment	R _{p0,2} MPa	R _m MPa	A ₅ (%)	Impact Energy (J) ISO-V -30°C											
As Welded /	460	565	24	60											
REDRYING TEMPERATURE	Not required														
GAS ACCORDING EN 14175	M21														



CEWELD SG TITAN

SG TITAN 0,6MM

Type	KG/unit	EANCode
D-200	5	8720663404930
D-300	15	8720663404947

SG TITAN 0,8MM

Type	KG/unit	EANCode
D-200	5	8720663405036
D-300	15	8720663405067

SG TITAN 1,0MM

Type	KG/unit	EANCode
BS-300	15	8720663405319
Drum	250	8720663405326

SG TITAN 1,2MM

Type	KG/unit	EANCode
D-300	15	8720663405333