



CEWELD NiCro 601 Tig

TYPE	Nickel-Chromium-Aluminum alloy for TIG welding Alloy 601.																				
APPLICATIONS	CEWELD® 601 Tig is used for severe applications where the exposure temperature can exceed 2100°F [1150°C].																				
PROPERTIES	Excellent resistance against corrosion and oxidation and suitable for applications when exposed to hydrogen sulfide or sulfur dioxide.																				
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.14: ER NiCrFe-11</td> </tr> <tr> <td>EN ISO</td> <td>18274: S Ni 6601(NiCr23Fe15Al)</td> </tr> <tr> <td>F-nr</td> <td>43</td> </tr> <tr> <td>FM</td> <td>6</td> </tr> </table>	AWS	A 5.14: ER NiCrFe-11	EN ISO	18274: S Ni 6601(NiCr23Fe15Al)	F-nr	43	FM	6												
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EN ISO	18274: S Ni 6601(NiCr23Fe15Al)																				
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SUITABLE FOR	The nominal composition (wt.-%) of filler metal of this classification is 61 Ni, 23 Cr, 14 Fe, and 1.4 Al. Filler metal of this classification is used for welding nickel-chromium-iron-aluminum alloy (ASTM B 166, B 167, and B 168 having UNS number N06601) to itself and to other high-temperature compositions.																				
APPROVALS	No Approvals Found																				
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>Cr</th> <th>Ni</th> <th>Fe</th> <th>Cu</th> <th>Al</th> </tr> </thead> <tbody> <tr> <td>0.08</td> <td>0.27</td> <td>0.9</td> <td>0.01</td> <td>0.01</td> <td>23</td> <td>61</td> <td>15</td> <td>0.1</td> <td>1.5</td> </tr> </tbody> </table>	C	Si	Mn	P	S	Cr	Ni	Fe	Cu	Al	0.08	0.27	0.9	0.01	0.01	23	61	15	0.1	1.5
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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> </tr> </thead> <tbody> <tr> <td>As Welded /</td> <td></td> <td>660</td> <td>48</td> </tr> </tbody> </table>	Heat Treatment	R _{P0,2} MPa	R _m MPa	A ₅ (%)	As Welded /		660	48												
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As Welded /		660	48																		
REDRYING TEMPERATURE	Not required																				
GAS ACCORDING EN 14175	I1																				



CEWELD NiCro 601 Tig

NICRO 601 TIG 1,6 X
1000MM

Type	KG/unit	EANCode
Tube	5	8720663418302

NICRO 601 TIG 2,0 X 914MM

Type	KG/unit	EANCode
Tube	4,54	8720663418319

NICRO 601 TIG 2,4 X 914MM

Type	KG/unit	EANCode
Tube	4,54	8720663418326