



# CEWELD 317L Tig

TYPE	Solid stainless steel Tig welding wire with high Molybdenum content.																											
APPLICATIONS	For welding stabilized and un-stabilized CrNiMo(N) type of steels with high corrosion resistance. Also suitable for dissimilar welds between steel and stainless steel or dissimilar stainless steels. 317L has good resistance to general corrosion and pitting due to its high content of molybdenum. The alloy has a low carbon content which makes it particularly recommended when there is a risk of intergranular corrosion. The alloy is used in severe corrosion conditions such as in the petrochemical, pulp, cotton and paper industries.																											
PROPERTIES	Austenitic, non magnetic stainless steel alloy with high mechanical properties and excellent weldability, corrosion resistance is better than AISI 316 due to the high Mo. content. Suitable for use up to 400°C																											
CLASSIFICATION	<table><tr><td>AWS</td><td>A 5.9: ER317L</td></tr><tr><td>EN ISO</td><td>14343-A: W 18 15 3 L</td></tr><tr><td>F-nr</td><td>6</td></tr><tr><td>FM</td><td>5</td></tr><tr><td>W.Nr.</td><td>1.4438</td></tr></table>										AWS	A 5.9: ER317L	EN ISO	14343-A: W 18 15 3 L	F-nr	6	FM	5	W.Nr.	1.4438								
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SUITABLE FOR	Designed for joining corrosion resistant CrNiMoN steel as well as for austenitic-ferritic joints. ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 26, 27, 28 1.4429, 1.4434, 1.4435, 1.4436, 1.4438, 1.4439, 1.4453, 1.4583, X2CrNiMoN 17 13 5, X2CrNiMoN 17 13 3, X2CrNiMo 18 15 4, X10CrNiMoNb 18 12, X2CrNiMoN17-13- 3, X2CrNiMoN18-12-4, X2CrNiMo18-14-3, X3CrNiMnMoN19-16 UNS S31600, S31653, S31703, S31726, S31753 AISI 316Cb, 316L, 316LN, 317L, 317LN, 317LMN																											
APPROVALS	CE																											
WELDING POSITIONS																												
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table><tr><td>C</td><td>Si</td><td>Mn</td><td>P</td><td>S</td><td>Cr</td><td>Ni</td><td>Mo</td><td>Cu</td></tr><tr><td>0.01</td><td>0.4</td><td>1.5</td><td>0.02</td><td>0.01</td><td>18.8</td><td>13.6</td><td>3.5</td><td>0.13</td></tr></table>										C	Si	Mn	P	S	Cr	Ni	Mo	Cu	0.01	0.4	1.5	0.02	0.01	18.8	13.6	3.5	0.13
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ALL WELD MECHANICAL PROPERTIES	<table><thead><tr><th>Heat Treatment</th><th>R<sub>P0,2</sub> MPa</th><th>R<sub>m</sub> MPa</th><th>A5 (%)</th><th>RT</th><th>Impact Energy (J) ISO-V -40°C</th></tr></thead><tbody><tr><td>As Welded /</td><td>480</td><td>580</td><td>35</td><td>140</td><td>65</td></tr></tbody></table>										Heat Treatment	R <sub>P0,2</sub> MPa	R <sub>m</sub> MPa	A5 (%)	RT	Impact Energy (J) ISO-V -40°C	As Welded /	480	580	35	140	65						
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REDRYING TEMPERATURE	Not required																											
GAS ACCORDING EN 14175	I1																											



# CEWELD 317L Tig

317L TIG 1,6 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415295

317L TIG 2,0 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415301

317L TIG 2,4 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415325

317L TIG 3,2 X 1000MM

Type	KG/unit	EANCode
Tube	5	8720663415332