



CEWELD 316L

TYPE	Solid stainless steel welding wire (AISI 316). (Type 19 12 3 L, 1.4430)																
APPLICATIONS	The alloy is widely used in the chemical and food-processing industries, as well as in shipbuilding and various types of architectural structure.																
PROPERTIES	316L offers good general corrosion resistance, particularly to corrosion in acid and chlorinated environments.																
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.9: ER316L</td> </tr> <tr> <td>EN ISO</td> <td>14343-A: G 19 12 3 L</td> </tr> <tr> <td>W.Nr.</td> <td>1.4430</td> </tr> <tr> <td>F-nr</td> <td>6</td> </tr> <tr> <td>FM</td> <td>5</td> </tr> </table>	AWS	A 5.9: ER316L	EN ISO	14343-A: G 19 12 3 L	W.Nr.	1.4430	F-nr	6	FM	5						
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EN ISO	14343-A: G 19 12 3 L																
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SUITABLE FOR	<p>ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 21-30, 1.4583, 1.4435, 1.4436, 1.4404, 1.4406, 1.4408, 1.4401, 1.4571, 1.4580, 1.4406, 1.4521 X102CrNiMoNb 18 12, X2CrNiMo 18 14 3 (TP), X4CrNiMo 17 13 3, X2CrNiMo 17 12 2 (TP), X 5CrNiMo 19 11 2, X4CrNiMo 17 12 2 (TP), X6CrNiMo 17 12 2, X6CrNiMoNb 17 12 3, X2CrNiMoN 17 12 3 (TP), X2CrMoTi18-2 316Cb, 316L, 316L, 316LN, 316H, 316, 316Ti, 316Cb, 316LN, 444 S31640, S31603, S31653, S31600, S31630, S44400</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>Cr</th> <th>Ni</th> <th>Mo</th> </tr> </thead> <tbody> <tr> <td>0.02</td> <td>0.5</td> <td>1.5</td> <td>19</td> <td>12</td> <td>2.8</td> </tr> </tbody> </table>	C	Si	Mn	Cr	Ni	Mo	0.02	0.5	1.5	19	12	2.8				
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MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">R_{P0,2} (MPa)</th> <th rowspan="2">R_m (MPa)</th> <th rowspan="2">A₅ (%)</th> <th colspan="2">Impact Energy (J) ISO-V</th> <th rowspan="2">Hardness</th> </tr> <tr> <th>RT</th> <th>-196°C</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td>430</td> <td>590</td> <td>35</td> <td>100</td> <td>45</td> <td>HRC</td> </tr> </tbody> </table>	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness	RT	-196°C	As Welded	430	590	35	100	45	HRC
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		RT	-196°C														
As Welded	430	590	35	100	45	HRC											
REDRYING	Not required																
GAS ACC. EN ISO 14175	M11, M13, M12																



CEWELD 316L

316L 0,8MM

Packaging	KG/unit	EanCode
D-200	5	8720682050071

316L 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663413543

316L 2,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663413598