




CEWELD 316L

TYPE	Fil de soudage acier inoxydable 316L																
APPLICATIONS	Cet alliage est largement utilisé dans les industries chimiques et alimentaires, ainsi que dans la construction navale et divers types de structures architecturales.																
PROPRIÉTÉS	Le 316L offre une bonne résistance générale à la corrosion, en particulier à la corrosion dans les environnements acides et chlorés.																
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						
AWS	A 5.9: ER316L																
EN ISO	14343-A: G 19 12 3 L																
W.Nr.	1.4430																
F-nr	6																
FM	5																
CONVIENT POUR	<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>																
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>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				
C	Si	Mn	Cr	Ni	Mo												
0.02	0.5	1.5	19	12	2.8												
PROPRIÉTÉS MÉCANIQUES	<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
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											
ETUVAGE	Not requis																
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