




# CEWELD 16.8.2

<b>TYPE</b>	A specially designed hybrid alloy between 308H and 316H for high temperature applications.																									
<b>APPLICATIONS</b>	Used mainly in power generation and chemical process industries on applications such as, steam turbines, catalytic crackers, transfer piping and furnace accessories.																									
<b>PROPRIÉTÉS</b>	A specially designed composition where Molybdenum % is reduced to form a hybrid alloy between 308H and 316H, operates in temperatures up to 800 °C. CEWELD® 16.8.2 Tig gives a very high resistance to thermal embrittlement. Creep ductility is enhanced at temperatures above 650 °C.																									
<b>CLASSIFICATION</b>	AWS	A 5.9: ER16-8-2																								
	EN ISO	14343-A: G 16 8 2																								
	F-nr	4																								
	FM	5																								
<b>CONVIENT POUR</b>	1.4948, 1.4941, 1.4961, 1.4919, X6CrNi18-10, X8CrNiTi18-10, X8CrNiNb16-13, X6CrNiMoB17-12-2, 304H, 321H, 347H, 316H, UNS 30409, S32109,S34709, S31609, 304S51, 321S51, 347S51, 316S51, 316S53																									
<b>AGRÉMENTS</b>	CE																									
<b>POSITIONS DE SOUDAGE</b>																										
<b>TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)</b>	<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>Mo</th> <th>Cu</th> </tr> </thead> <tbody> <tr> <td>0.05</td> <td>0.45</td> <td>1.3</td> <td>0.015</td> <td>0.002</td> <td>15</td> <td>8.6</td> <td>1.2</td> <td>0.1</td> </tr> </tbody> </table>								C	Si	Mn	P	S	Cr	Ni	Mo	Cu	0.05	0.45	1.3	0.015	0.002	15	8.6	1.2	0.1
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<b>PROPRIÉTÉS MÉCANIQUES</b>																										
<b>ETUVAGE</b>	Not required																									
<b>GAS ACC. EN ISO 14175</b>	I1, I3																									



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16.8.2 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663413246