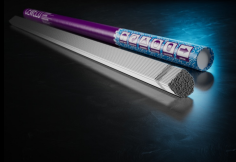


CEWELD 316LSi Tig

TYPE	Stainless steel Tig welding wire (rod) for GTAW welding CrNiMo 316 steels. (Type 1.4430, 19 12 3 LSi)																	
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	CEWELD® 316LSi Tig offers good general corrosion resistance, particularly to corrosion in acid and chlorinated environments. The alloy has a low carbon content which makes it particularly recommended when there is a risk of intergranular corrosion. The higher silicon content improves the welding properties such as wetting and results in a bright seam.																	
CLASSIFICATION	AWS	A 5.9: ER316LSi																
	EN ISO	14343-A: W 19 12 3 LSi																
	W.Nr.	1.4430																
	F-nr	6																
	FM	5																
SUITABLE FOR	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, 1.4301, 1.4306, 1.4430 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																	
APPROVALS	TÜV: TÜV (12388.00), CE, DB: (43.206.04)																	
WELDING POSITIONS																		
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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> </tr> </thead> <tbody> <tr> <td>0.02</td> <td>0.8</td> <td>1.8</td> <td>0.01</td> <td>0.01</td> <td>19</td> <td>12</td> <td>2.8</td> </tr> </tbody> </table>		C	Si	Mn	P	S	Cr	Ni	Mo	0.02	0.8	1.8	0.01	0.01	19	12	2.8
C	Si	Mn	P	S	Cr	Ni	Mo											
0.02	0.8	1.8	0.01	0.01	19	12	2.8											
MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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>450</td> <td>580</td> <td>37</td> <td>120</td> <td>52</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	450	580	37	120	52	HRc
Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)					A ₅ (%)	Impact Energy (J) ISO-V		Hardness								
			RT	-196°C														
As Welded	450	580	37	120	52	HRc												
REDRYING	Not required																	
GAS ACC. EN ISO 14175	11																	



CEWELD 316LSi Tig

316LSI TIG 0,8 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663414854
316LSI TIG 1,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663414892
	Tube	5	8720663414861
316LSI TIG 1,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663414939
	Tube	5	8720663414908
316LSI TIG 1,6 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663414946
316LSI TIG 1,6 X 500MM	Packaging	KG/unit	EanCode
	Tube	5	8720663414960
316LSI TIG 2,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663414991
316LSI TIG 2,4 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663415035
316LSI TIG 3,2 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663415073
316LSI TIG 4,0 X 1000MM	Packaging	KG/unit	EanCode
	Tube	5	8720663415097