



# CEWELD 316LSi

TYPE	Stainless steel Mig/Mag wire for GMAW welding 316 type.(1.4430, 19 12 3LSi)														
APPLICATIONS	<p>CEWELD® 316LSi is designed for the joining and surfacing of similar and closely related austenitic (CrNiMo) steels and cast steel grades.</p> <p>This alloy is widely used in the chemical and food processing industries, as well as in shipbuilding and various types of architectural structures.</p>														
PROPERTIES	CEWELD® 316LSi 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	<table border="0"> <tr> <td>AWS</td> <td>A 5.9: ER316LSi</td> </tr> <tr> <td>EN ISO</td> <td>14343-A: G 19 12 3 LSi</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>1.4430</td> </tr> </table>	AWS	A 5.9: ER316LSi	EN ISO	14343-A: G 19 12 3 LSi	F-nr	6	FM	5	W.Nr.	1.4430				
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F-nr	6														
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W.Nr.	1.4430														
SUITABLE FOR	<p><b>ISO 15608: 8.1 Austenitic ≤ 19 % Cr</b></p> <p>1.4301, 1.4306, 1.4401, 1.4404, 1.4406, 1.4408, 1.4430, 1.4435, 1.4436, 1.4521, 1.4571, 1.4580, 1.4583</p> <p>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</p> <p>316Cb, 316L, 316L, 316LN, 316H, 316, 316Ti, 316Cb, 316LN, 444</p> <p>S31640, S31603, S31653, S31600, S31630, S44400</p>														
APPROVALS	TÜV ((12388)) CE DB ((43.206.04))														
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>0.8</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	0.8	1.5	19	12	2.8		
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ALL WELD MECHANICAL PROPERTIES	<table border="1"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">R<sub>P0,2</sub> MPa</th> <th rowspan="2">R<sub>m</sub> MPa</th> <th rowspan="2">A<sub>5</sub> (%)</th> <th colspan="2">Impact Energy (J) ISO-V</th> </tr> <tr> <th>RT</th> <th>-196°C</th> </tr> </thead> <tbody> <tr> <td>As Welded /</td> <td>418</td> <td>550</td> <td>37</td> <td>110</td> <td>50</td> </tr> </tbody> </table>	Heat Treatment	R <sub>P0,2</sub> MPa	R <sub>m</sub> MPa	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		RT	-196°C	As Welded /	418	550	37	110	50
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		RT	-196°C												
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REDRYING TEMPERATURE	Not required														
GAS ACCORDING EN 14175	M11, M13, M12														



# CEWELD 316LSi

## 316LSi 0,6MM

Type	KG/unit	EANCode
D-200	5	8720663413376
D-300	12,5	8720663413383

## 316LSi 0,8MM

Type	KG/unit	EANCode
BS-300	15	8720663413444
D-100	1	8720663413390
D-200	5	8720663413406
Drum	250	8720663413468

## 316LSi 0,9MM

Type	KG/unit	EANCode
BS-300	15	8720663413369

## 316LSi 1,0MM

Type	KG/unit	EANCode
BS-300	15	8720663413451
D-100	1	8720663413420
D-200	5	8720663413413
Drum	250	8720663413475

## 316LSi 1,2MM

Type	KG/unit	EANCode
BS-300	15	8720663413482
D-200	5	8720663415394
Drum	250	8720663413550

## 316LSi 1,6MM

Type	KG/unit	EANCode
BS-300	15	8720663413499