




# CEWELD 310L

TYPE	High heat resistant stainless steel welding wire for Tig welding.														
TOEPASSINGEN	Common applications include heavily oxidizing media such as pipes in preheaters, coolers and condensers in the chemical industry.														
EIGENSCHAPPEN	310L has very good resistance to intergranular corrosion, pitting and stress corrosion cracking due to its high chromium and nickel contents.														
CLASSIFICATIE	AWS A 5.9: ~ER 310 W.Nr. ~1.4842														
GESCHIKT VOOR	<b>ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 21-30, Type: 25% Cr, 22%Ni</b> 1.4710, 1.4713, 1.4724, 1.4726, 1.4742, 1.4745, 1.4762, 1.4823, 1.4826, 1.4828, 1.4832, 1.4835, 1.4837, 1.4840, 1.4841, 1.4845, 1.4846, 1.4848, 1.4849, 253MA, X15CrNiSi 25 20, G-X40CrNiSi 25 12, G-X15CrNi 25 20, X8CrNi25-21 AISI 305, 310, 314 ASTM A297 HF / A297HJ														
GOEDKEURINGEN	CE														
LASPOSITIES															
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<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></tr></thead><tbody><tr><td>0.02</td><td>0.2</td><td>1.6</td><td>0.01</td><td>0.01</td><td>25</td><td>21</td></tr></tbody></table>	C	Si	Mn	P	S	Cr	Ni	0.02	0.2	1.6	0.01	0.01	25	21
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MECHANISCHE WAARDEN	<table border="1"><thead><tr><th>Heat Treatment</th><th>R<sub>P0.2</sub> (MPa)</th><th>R<sub>m</sub> (MPa)</th><th>A<sub>5</sub> (%)</th><th>Hardness</th></tr></thead><tbody><tr><td>As Welded</td><td>400</td><td>600</td><td>35</td><td>HRc</td></tr></tbody></table>	Heat Treatment	R <sub>P0.2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness	As Welded	400	600	35	HRc				
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HERDROGEN	Not required														
GAS ACC. EN ISO 14175	M21														