



CEWELD 310L Tig

TYPE	High heat resistant stainless steel welding wire for Tig welding. (Type 310, 25 /20)														
APPLICATIONS	CEWELD® 310L Tig for joining and build-up welding on heat-resistant steels/cast steels of the same or similar type. Somewhat more susceptible to hot cracking due to fully austenitic weld metal. Typical applications include industrial furnaces, annealing chambers, salt bath treatment equipment, boiler parts, and heat exchangers.														
PROPERTIES	CEWELD® 310 is a corrosion-resistant and heat-resistant GTAW rod for welding austenitic steels with a Cr content of 25% and a Ni content of 20%. Due to its high Cr content, CEWELD® 310 has good general oxidation resistance, especially at high temperatures. The alloy is fully austenitic and therefore sensitive to hot cracking. The temperature limits for use in intermittent oxidation depend on the cycle frequency. Under no circumstances should a temperature of 1000°C be exceeded. This alloy can withstand relatively severe thermal shocks and is superior to type 309L.														
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.9: ER310</td> </tr> <tr> <td>EN ISO</td> <td>14343-A: W 25 20</td> </tr> <tr> <td>W.Nr.</td> <td>1.4842</td> </tr> <tr> <td>F-nr</td> <td>6</td> </tr> <tr> <td>FM</td> <td>5</td> </tr> </table>	AWS	A 5.9: ER310	EN ISO	14343-A: W 25 20	W.Nr.	1.4842	F-nr	6	FM	5				
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SUITABLE FOR	<p>ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 21-30, Type: 25% Cr, 22%Ni 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, GX40CrNiSi22-10, X15CrNiSi20-12, 310, 310S, CK20, 305, 314, 725LN, 316L ASTM A297 HF / A297HJ UNS: S31000, S31008, S31050, S31603</p>														
APPROVALS	CE														
WELDING POSITIONS															
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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REDRYING	Not required														
GAS ACC. EN ISO 14175	M21														