



CEWELD 430 LNbTi

TYPE	Double stabilized ferritic filler metal for welding critical applications in exhaust manufacturing.																
APPLICATIONS	430 LNb/Ti is developed and designed for the Automotive industry and used for production of exhaust systems and catalytic converters.. The wire should be used when there is a need for good resistance to corrosion and thermal fatigue. Stabilised ferritic stainless steels, Austenitic stainless steels and in both homogeneous and heterogeneous sheet metal configurations (sheets of different grades welded together)																
PROPERTIES	Stabilization with niobium and titanium gives it the advantages of both these ferritic structure stabilizers: Titanium minimizes grain growth in Weld Metal zones (WM) due to titanium nitride (TiN) precipitation in the still liquid metal in these zones, thus avoiding the risk of brittleness, which may sometimes occur when very thick welds are made (> 3 mm of sheet metal to be welded). Niobium traps the residual C and N through its transfer of between 85 and 95% in the welding arc under all standard welding conditions, thus avoiding any risk of inter granular corrosion in the WM.																
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.9: ~ER 430</td> </tr> <tr> <td>EN ISO</td> <td>14343-A: G 17</td> </tr> <tr> <td>W.Nr.</td> <td>1.4509</td> </tr> <tr> <td>F-nr</td> <td>6</td> </tr> <tr> <td>FM</td> <td>5</td> </tr> </table>	AWS	A 5.9: ~ER 430	EN ISO	14343-A: G 17	W.Nr.	1.4509	F-nr	6	FM	5						
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SUITABLE FOR	1.4000, 1.4002, 1.4016, 1.4057, 1.4740, 1.4742, 1.4057, 1.4059, 1.4741, 1.4509, 1.4510, 1.4511, 1.4512, 1.4520, 1.4712, 1.4713, 1.4724, X7Cr14, X12Cr13, X17CrNi16-2, X6Cr13, X6CrAl13, X6Cr17, X17CrNi16-2, X2CrTiNb18, X3CrTi17, X3CrNb17, X2CrTi12, X2CrTi17, X10CrSi6, X10CrAlSi7, X10CrAlSi13, X10CrAlSi18 UNS S40300, S40500, S40900, S41000, S42900, S43000, S43035, S43036, S43100, S44200 AISI 403, 405, 409, 410, 429, 430, 430Cb, 430Ti, 439, 431, 442																
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