



CEWELD 430

TYPE	Solid stainless steel welding wire for ferritic stainless steels. (Type 430, 17% Cr)																				
APPLICATIONS	CEWELD® 430 can be used for various build-up welding and joining applications. Sealing surfaces in steam, gas, and water fittings at operating temperatures up to +450°C.																				
PROPERTIES	<p>CEWELD® 430 offers excellent weldability, good corrosion resistance and high temperature resistance. Its Brinell hardness is approximately 225 HB, depending on the base material and the number of layers.</p> <p>CEWELD® 430 exhibits scale resistance of up to 950°C in air, oxidising combustion gases and sulfur-containing combustion gases at higher temperatures. It is preferable to weld with a pulsed arc and to preheat larger wall thicknesses to between 150 and 300°C. Ensure low heat input.</p>																				
CLASSIFICATION	<p>AWS A 5.9: ER430</p> <p>EN ISO 14343-A: G 17</p> <p>W.Nr. 1.4015</p> <p>F-nr 6</p> <p>FM 5</p>																				
SUITABLE FOR	<p>Ferritic 17 % Chrome steel,</p> <p>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</p>																				
APPROVALS	CE																				
WELDING POSITIONS																					
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table><tr><td>C</td><td>Si</td><td>Mn</td><td>Cr</td><td>Ni</td><td>Mo</td><td>Cu</td></tr><tr><td>0.02</td><td>0.3</td><td>0.4</td><td>17</td><td>0.5</td><td>0.06</td><td>0.1</td></tr></table>							C	Si	Mn	Cr	Ni	Mo	Cu	0.02	0.3	0.4	17	0.5	0.06	0.1
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MECHANICAL PROPERTIES	<table><thead><tr><th>Heat Treatment</th><th>R_{P0.2} (MPa)</th><th>R_m (MPa)</th><th>A5 (%)</th><th>Hardness</th></tr></thead><tbody><tr><td>As Welded</td><td>320</td><td>460</td><td>21</td><td>HRc</td></tr></tbody></table>							Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A5 (%)	Hardness	As Welded	320	460	21	HRc				
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As Welded	320	460	21	HRc																	
REDRYING	Not required																				
GAS ACC. EN ISO 14175	M11, M13, M12, M21																				



CEWELD 430

430 1,0MM

	Packaging	KG/unit	EanCode
	BS-300	15	8720663411990

430 1,2MM

	Packaging	KG/unit	EanCode
	BS-300	15	8720663412003

430 1,6MM

	Packaging	KG/unit	EanCode
	BS-300	15	8720663412027