



# 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	AWS	A 5.9: ER430														
	EN ISO	14343-A: G 17														
	W.Nr.	1.4015														
	F-nr	6														
	FM	5														
SUITABLE FOR	<p><b>Ferritic 17 % Chrome steel,</b>            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 border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 14.28%;">C</th> <th style="width: 14.28%;">Si</th> <th style="width: 14.28%;">Mn</th> <th style="width: 14.28%;">Cr</th> <th style="width: 14.28%;">Ni</th> <th style="width: 14.28%;">Mo</th> <th style="width: 14.28%;">Cu</th> </tr> </thead> <tbody> <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> </tbody> </table>		C	Si	Mn	Cr	Ni	Mo	Cu	0.02	0.3	0.4	17	0.5	0.06	0.1
C	Si	Mn	Cr	Ni	Mo	Cu										
0.02	0.3	0.4	17	0.5	0.06	0.1										
MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 33%;">Heat Treatment</th> <th style="width: 16.5%;">R<sub>P0.2</sub> (MPa)</th> <th style="width: 16.5%;">R<sub>m</sub> (MPa)</th> <th style="width: 16.5%;">A<sub>5</sub> (%)</th> <th style="width: 16.5%;">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 <sub>P0.2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness	As Welded	320	460	21	HRc				
Heat Treatment	R <sub>P0.2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness												
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