



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	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. 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.						
CLASSIFICATION	AWS	A 5.9: ER430					
	EN ISO	14343-A: G 17					
	W.Nr.	1.4015					
	F-nr	6					
	FM	5					
SUITABLE FOR	Ferritic 17 % Chrome steel, 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						
APPROVALS	CE						
WELDING POSITIONS	 PA  PB  PC  PD  PE  PF  PG						
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Mo	Cu
	0.02	0.3	0.4	17	0.5	0.06	0.1
MECHANICAL PROPERTIES	Heat Treatment		R _{P0.2} (MPa)	R _m (MPa)	A ₅ (%)	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