



CEWELD 430 Ti

TYPE	Stabilized ferritic filler metal for welding critical applications in exhaust manufacturing.(Type 439, UNS S43035, 1.4510)							
APPLICATIONS	CEWELD 430 Ti is an excellent choice for welding exhaust systems as well as chimneys and ducts exposed to moderately high temperatures. CEWELD 430 Ti can be used to weld aluminized 409 and 439 provided sufficient filler metal is added. Application: Exhaust constructions also in sulphurous environments. Structures and piping in the chemical industry and in maritime applications. Ti Stabilized ferritic stainless steels, austenitic stainless steels in homogeneous and heterogeneous condition							
PROPERTIES	CEWELD 430 Ti is a 18%Cr alloy stabilized with Ti. This alloy has improved oxidation and corrosion resistance over an ER409 alloy. Single pass welds on light gage base metal or welds with preheat do not usually require PWHT. Good corrosion resistant to seawater.							
CLASSIFICATION	AWS	A 5.9: ER439, A 5.9: ~ER 430 Ti						
	EN ISO	14343-B: SS439, 14343-A: Z 18 L Ti						
	W.Nr.	~1.4510, 1.4502						
	F-nr	6						
	FM	5						
SUITABLE FOR	1.4000, 1.4002, 1.4016, 1.4057, 1.4113, 1.4057, 1.4059, 1.4332, 1.4502, 1.4509, 1.4510, 1.4511, 1.4512, 1.4520, 1.4523, 1.4712, 1.4713, 1.4724, 1.4740, 1.4741, 1.4742, 1.4842, X7Cr14, X12Cr13, X17CrNi16-2, X6Cr13, X6CrAl13, X6Cr17, X 6 Cr Mo 17, 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							
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Mo	Ti	Cu
	0.02	0.7	0.6	18	0.2	0.04	0.5	0.09
MECHANICAL PROPERTIES	Heat Treatment		R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness		
	As Welded		320	480	17	HRc		
REDRYING	Not required							
GAS ACC. EN ISO 14175	M13, M12							



CEWELD 430 Ti

430 Ti 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663412096

430 Ti 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663412119

430 Ti 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663412126