

CEWELD 430 Ti Tig

TYPE	Stabilized ferritic Solid Rod for welding critical applications in exhaust manufacturing.(Type 439, UNS S43035, 1.4510							
ANWENDUNGEN	CEWELD 430 Ti Tig is an excellent choice for welding exhaust systems as well as chimneys and ducts exposed to moderately high temperatures. CEWELD 430 Ti Tig 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							
EIGENSCHAFTEN	CEWELD 430 Ti Tig 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.							
KLASSIFIKATION	AWS	A 5.9: ER439, A 5.9: ~ER 430 TI						
	EN ISO	14343-A: G Z 18 Ti, 14343-B: SS439						
	W.Nr.	~1.4510, 1.4502						
	F-nr	6						
	FM	5						
GEEIGNET FÜR	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							
ZULASSUNGEN								
SCHWEISSPOSITIONEN	      							
TYPISCHE CHEMISCHE ANALYSE DES SCHWEISSMETALLS (%)	C	Si	Mn	Cr	Ni	Mo	Ti	Cu
	0.02	0.7	0.6	18	0.2	0.04	0.5	0.08
MECHANISCHE GÜTEWERTE	Heat Treatment		R _{P0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness		
	As Welded		320	480	17	225 HB		
RÜCKTROCKNUNG	Not required							
GAS ACC. EN ISO 14175	11							