



CEWELD AA 2101 (Lean Duplex)



TYPE	Rutile fluxcored wire for welding lean duplex stainless steel								
APPLICATIONS	Very well suited for the chemical industries (e.g. bio fuel), the pulp and paper industry and also the food industry.								
PROPRIÉTÉS	AA 2101 has excelent welding properties and was developed especially for the steel grade 1.4162/UNS S 32101. Due to the higher Mn and N – content of the Lean duplex base material, the slag viscosity and therefore the flow behaviour is changing and the welding bead is liquid for a longer time. The result is a very smooth seam.								
CLASSIFICATION	AWS	A 5.22: E2307T1-1, A 5.22: E2307T1-4							
	EN ISO	17633-A: T 23 7 N L P M21 2, 17633-A: T 23 7 N L P C1 2							
	W.Nr.	1.4162							
	F-nr	6							
	FM	5							
CONVIENT POUR	1.4162, 1.4362, 1.4482, 1.4062 X2CrMnNiN21-5-1, X2CrMnNiN22-5-2, X2CrMnNi 22-5-2, X2CrNiN23-4, X2CrMnNiMoN21-5-3, X2CrNiN23-4 UNS S32101, S32001, S32304, LEAN DUPLEX UNS S32304, LEAN DUPLEX UNS S32001, SAF 2304, 2001 ASME SA 240, ASME SA 790, Case 2418 LDX2101® (Avesta), Valbruna V234N, SS LD24								
AGRÉMENTS	CE								
POSITIONS DE SOUDAGE	PAPBPCPDPEPF								
ANALYSE CHIMIQUE TYPIQUE DU MÉTAL DE SOUDURE (%)	C	Si	Mn	P	S	Cr	Ni	Mo	N
	0.03	0.45	1.25	0.02	0.003	24.5	8	0.2	0.15
PROPRIÉTÉS MÉCANIQUES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V			Hardness	
					-40°C				
	As Welded	571	750	29	50			HRc	
ETUVAGE	140°C / 24 hr								
GAS ACC. EN ISO 14175	M21								