



CEWELD AA 310B

TYPE	Basic flux cored stainless steel welding wire for M21 and M20 gas. (Type 25 20)					
APPLICATIONS	Common applications include industrial furnaces, annealing chambers, fused salt treatment installations and boiler parts, as well as heat exchangers Especially where rutile flux cored wire gives a to high risk for cracking this basic type is a better choice					
PROPERTIES	For welding heat-resistant austenitic steels of the 25% Cr, 20% Ni types. AA 310B has good general oxidation resistance, especially at high temperatures, due to its high Cr content. The alloy is fully austenitic and is therefore sensitive to hot cracking. The temperature limits for use under intermittent oxidation depend on cycle frequency. In no case shall a temperature of 1000°C be exceeded. This alloy can withstand relatively severe thermic shock, and is superior to type 309L					
CLASSIFICATION	AWS	A 5.22: E310T0-4				
	EN ISO	17633-A: T 25 20 B M21 3				
	W.Nr.	1.4842				
	F-nr	6				
	FM	5				
SUITABLE FOR	ISO 15608: 8.1 Austenitic ≤ 19 % Cr , TÜV 1000: Gr. 21-30, Type: 25% Cr, 22%Ni 1.4710, 1.4713, 1.4724, 1.4726, 1.4742, 1.4745, 1.4762, 1.4823, 1.4826, 1.4828, 1.4832, 1.4835,1.4837, 1.4840, 1.4841, 1.4845, 1.4846, 1.4848, 1.4849, 253MA, X15CrNiSi 25 20, G-X40CrNiSi 25 12, G-X15CrNi 25 20, X8CrNi25-21, GX40CrNiSi22-10, X15CrNiSi20-12, 310, 310S, CK20, 305, 314, 725LN, 316L ASTM A297 HF / A297HJ UNS: S31000, S31008, S31050, S31603					
APPROVALS	CE					
WELDING POSITIONS	 PA  PB  PC					
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Si	Mn	Cr	Ni	
	0.1	0.5	2.5	25.5	21	
MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V	
					RT	
	As Welded	400	590	30	80	
					Hardness	
					HRc	
REDRYING	Not required					
GAS ACC. EN ISO 14175	M20, M21					