

AK E308LT1-1

Description: E308LT1-1 is a super low carbon stainless steel gas-shielded flux-cored wire designed for all positional welding, can be used for joining stainless steel alloys such as types AISI 301, 302, 304, 305, and 308. Its deposited metal with excellent mechanical properties and intergranular corrosion resistance.

Application: Used to weld 18%Cr-8%Ni stainless steel welding, like petrochemical industries and pressure vessels etc.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
Requirement	0.04	1.00	0.50-2.50	0.03	0.04	9.0-11.0	18.0-21.0	0.50	0.50
Actual Result	0.035	0.60	1.60	0.015	0.02	9.5	19.2	0.01	0.02

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥ 540	—	≥ 30	—
Actual Result	590	—	46	—

Recommended welding parameters:

Diameter/ mm	1.2	1.6		
Welding voltage/V	22-36	26-38	—	—
Welding current/A	120-260	200-300	—	—