



AK EA3

AWS A5.23 F9A/P0-EA3-A3

EN ISO 24598-A:-

Description: EA3 is a low alloy high strength steel submerged arc welding wire. With the corresponding flux, a weld with excellent mechanical properties and crack resistance can be obtained.

Application: Combined with flux (such as AKJ101, AKJ113, HJ250, etc.) for the welding of low-alloy high-strength structural steels such as Q490, 12 MnNiVR, 08 MnNiVR, etc..

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	
Requirement	0.12	0.80	2.10	0.03	0.03	—	—	0.40-0.65	
Actual Result	0.05	0.28	1.70	0.004	0.008	—	—	0.51	

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	620-760	≥ 540	17	27J(-20℃)
Actual Result	660	561	26	111