

AWS A5.23 F8A/P0-EA4-A4

EN ISO 24598-A:SS (MnMo)

EA4

Description: EA4 is a low alloy high strength steel submerged arc welding wire. Combined with the corresponding flux, the combined mechanical properties can be obtained.

Application: With flux (such as AKJ101, AKJ105, etc.) for the welding of low-alloy high-strength structural steel such as Q490.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
Requirement	0.05-0.15	0.20	1.20-1.70	0.025	0.025	—	—	0.40-0.65	0.35
Actual Result	0.08	0.16	1.40	0.004	0.008	—	—	0.52	0.10

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	550-700	≥470	20	27J(-30℃)
Actual Result	605	535	26	117