

EA3K

AWS A5.23 EA3K

EN ISO 14171

Description

EA3K is a solid submerged arc welding wire offering stable arc characteristics, smooth feeding, and sound weld deposit quality. It is designed for carbon steel welding applications that require reliable mechanical properties, clean weld appearance, and efficient performance in continuous automatic welding operations.

Application Scenario

EA3K is suitable for use in steel frame fabrication, industrial equipment, storage tanks, pipe sections, and heavy machinery manufacturing. It performs well in automated SAW production where steady welding quality, efficient deposition, and consistent weld results are essential for large-scale fabrication and repetitive processing work.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
Requirement	0.05-0.15	0.50-0.80	1.60-2.1	0.025	0.025	---	---	0.40-0.60	0.35
Actual Result	0.08	0.59	1.82	0.015	0.010	---	---	0.53	0.20

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	---	---	---	---
Actual Result	---	---	---	---