

EA1

AWS A5.23 EA1

EN ISO 14171-

Description

EA1 is a submerged arc welding wire designed for stable arc performance, smooth wire feeding, and reliable weld metal quality. It is suitable for carbon steel welding applications that require consistent bead appearance, good mechanical properties, and efficient deposition in automatic and semi-automatic welding operations.

Application Scenario

EA1 is widely used in structural steel fabrication, storage tanks, machinery manufacturing, pressure vessel parts, and general heavy fabrication. It is suitable for producers seeking stable SAW performance, repeatable weld quality, and productive welding efficiency in routine manufacturing and large-batch production environments.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
Requirement	0.05-0.15	0.20	0.65-1.0	0.025	0.025	---	---	0.45-0.65	0.35
Actual Result	0.09	0.10	0.85	0.005	0.009	---	---	0.50	0.20

Typical Mechanical Properties:

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