



GB/T ——

AWS A5.23 EW

EN ISO ——

AK EW

Description: EW Welding Wire is specially designed for Electroslag Welding (ESW) applications, providing exceptional deposition efficiency and deep penetration for vertical welding of ultra-thick steel sections. It is widely used in heavy fabrication industries where high productivity and consistent weld quality are critical. Engineered for large-scale structural components, EW wire ensures sound weld metal properties, minimal defect rates, and stable arc performance under high heat input conditions.

Application: Typical industry applications: Heavy pressure vessel manufacturing, hydroelectric equipment structures, offshore platform support structures, large cast steel component splicing, thick-walled box girder structures.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Cr	Ni	Mo	Cu
Requirement	0.12	0.20-0.35	0.35-0.65	0.030	0.025	0.50-0.80	0.40-0.80	——	0.30-0.80
Actual Result	0.08	0.263	0.48	0.015	0.003	0.59	0.62	——	0.40

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	500-700	400-600	——	——
Actual Result	628	512	——	——