



GB/T 5293 H08A  
AWS A5.17 EL8  
EN ISO 14171-AS1

# AK EL8

**Description:** EL8 is a carbon-shaped carbon structure steel buried arc welding wire. Matching high manganese high-silicon welds, the welding process has excellent performance, the arc combustion is stable, the residue is easy, and the weld is beautifully forming.

**Application:** Combined with the melting welding HJ431 or sintering welding SJ301 /SJ501, etc., it can be used for welding carbon steel (such as Q195, Q235, etc.), boiler steel, pipeline steel, etc..

## Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
<b>Requirement</b>	0.10	0.07	0.25-0.60	0.030	0.030	---	---	---	0.35
<b>Actual Result</b>	0.04	0.05	0.45	0.015	0.013	---	---	---	0.10

## Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress ( MPa)	Elongation (%)	Impact Values ( J)
<b>Requirement</b>	415-530	≥ 330	22	27J(-40℃)
<b>Actual Result</b>	510	400	28	112