



GB/T 36034 S62 A/P -

AWS A5.23 F9A/P4-EF5

EN ISO 26304 -

# AK EF5

## Description

EF5 is a submerged arc welding flux developed for reliable welding operation, good slag coverage, and uniform weld bead formation. It supports stable arc characteristics and dependable weld integrity when used with matching SAW wires, making it suitable for industrial fabrication requiring quality and efficiency.

## Application Scenario

EF5 is commonly used in bridge sections, offshore components, shipbuilding parts, structural beams, and heavy equipment manufacturing. It is a practical choice for automated welding lines that demand stable processing, good weld finish, and consistent results across long welding seams and thick steel sections.

## Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
<b>Requirement</b>	0.10-0.17	0.20	1.70-2.20	0.015	0.010	2.30-2.80	0.25-0.5	0.45-0.65	0.50
<b>Actual Result</b>	0.13	0.10	2.10	0.009	0.005	2.58	0.34	0.58	0.20

## Typical Mechanical Properties:

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