



GB/T 12470 S552 -

AWS A5.23 F8P0-EB2H-B2H

EN ISO 24598 -

AK EB2H

Description

EB2H is a submerged arc welding wire formulated for stable arc performance, consistent wire feeding, and sound weld metal quality. It is suitable for carbon steel and selected low-alloy steel applications, delivering good bead appearance, reliable strength, and efficient deposition in automated welding operations.

Application Scenario

EB2H is widely used in structural steel fabrication, pressure vessel components, storage tanks, heavy machinery, and large welded assemblies. It is suitable for manufacturers requiring repeatable weld quality, smooth SAW operation, and dependable productivity in medium- to heavy-duty industrial production lines.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	V	Cr	Mo	Cu
Requirement	0.28-0.33	0.55-0.75	0.45-0.65	0.015	0.015	0.20-0.30	1.0-1.50	0.40-0.65	0.30
Actual Result	0.31	0.69	0.52	0.005	0.004	0.23	1.40	0.50	0.20

Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)	PWHT (°C*h)
Requirement	—	—	—	—	—
Actual Result	—	—	—	—	—