

AK E410-15

Description: 13Cr is a special flux coated hydrogen controlled electrode depositing 13Cr weld metal. Ideally suited for joining similar alloys, resurfacing of valve seats, steam and gas turbine components. Ideal for joining straight chromium stainless steels.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	Cu
Requirement	0.12	0.90	1.0	0.02	0.03	0.7	0.75	11.0-13.5	0.75
Actual Result	0.042	0.36	0.45	0.010	0.021	0.05	0.04	12.26	0.02

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥450		≥ 15	
Actual Result	550		22	