

AK ER307

Description: ER307 is a high manganese austenitic stainless steel used for joining and surfacing applications involving work-hardenable steels, armor plate, heat resistant steels subjected to temperatures up to 1560°F and dissimilar steels such as austenitic manganese steels to carbon steel forgings and castings. Weld deposits are porosity free, crack and corrosion resistant.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Mo	Cr	Cu
Requirement									
Actual Result	0.051	0.51	5.21	0.011	0.025	9.22	0.01	20.15	---

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress(MPa)	Elongation (%)	Impact Values (J)
Requirement	---		---	
Actual Result	670	460	31	