

# AK ER308

## Description:

ER308 is an austenitic stainless steel welding wire designed for joining 18Cr-8Ni stainless steels such as 304. It offers stable arc performance, smooth metal transfer, good bead appearance, and reliable resistance to general corrosion and oxidation in standard service conditions.

## Application Scenario:

ER308 is widely used for tanks, kitchen equipment, piping, architectural fabrications, and general stainless steel structures made from 304 or similar grades. It suits food processing, light chemical service, and fabrication work requiring clean, consistent welds.

## Typical Chemical Composition(%):

	C	Cr	Ni	Mo	Mn	Si	P	S	Cu
<b>Requirement</b>	0.08	19.5-22.0	9.0-11.0	0.75	1.0-2.5	0.30-0.65	0.030	0.030	0.75
<b>Actual Result</b>	0.04	20.50	10.25	0.50	1.96	0.40	0.015	0.015	0.30

## Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress( MPa)	Elongation (%)	Impact Values (J)
<b>Requirement</b>	550		30	
<b>Actual Result</b>	620		34	