

KT-308L

Classification

AWS A5.9/A5.9M

ER308L

Applications and Features

- (1) Weld metal is austenite structure with 20%Cr-9%Ni.
- (2) Good weldability and puddle fluidity.
- (3) Good crack and corrosion resistance due to moderate ferrite content.
- (4) It is suitable for welding thin plate of 18%Cr-8%Ni stainless steel with high travel speed, such as AISI 301, 302, 304, 304L and 308 steel.

Typical Chemical Composition (wt%)

C	Si	Mn	P	S	Cr	Ni
0.022	0.43	1.64	0.009	0.011	20.05	10.21

Typical Mechanical Properties of Weld Metal (Shielding Gas : Ar)

Tensile Strength MPa	Yield Strength MPa	Elongation %
510	400	42

Sizes and Suggested Operating Range

Size mm	Current A	Gas Flow L/min	Shielding Gas
16	75- 100	25	Ar
24	150-200	25	Ar

Diam.	5 kg Tube
1.6mm	KT30816
2.4mm	KT30824

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