

GTAW Solid Wire for Stainless Steel

KTS-308L

Classification

AWS	A5.9/A5.9M	ER308L
JIS	Z3321	YS308L
EN	14343-A	W 19 9 L
YB	T5092	H08Cr21Ni10Si

Shielding Gas: 100% Ar

Applications and Features

- (1) Weld metal is austenite structure with low carbon 19%Cr-9%Ni.
- (2) Low carbon weld metal has lower carbon contents and provides better corrosion resistance.
- (3) Suitable for welding 18%Cr-8%Ni steel (AISI 304,304L) and 19.5%Cr-10Ni steel (AISI 347).

Welding Position



Welding Instruction

Please refer to Appendix C and F.

Typical Chemical Composition of Weld Metal (wt%)

C	Si	Mn	P	S	Cr	Ni
0.02	0.42	1.65	0.011	0.009	19.11	9.56

Typical Mechanical Properties of Weld Metal

Tensile Strength	Yield Strength	Elongation
N/mm ²	N/mm ²	%
580	410	42

Size and Polarity (DC-)

Diameter (mm)	1.0	1.2	1.6	2.0	2.4	3.2
Length (mm)	1000					