TIG Consumables

T-308L

For austenite stainless steel (Low carbon, 18%Cr-8%Ni STS)

KISWEL

Classifications

EN ISO 14343-A:2009	: W 19 9 L
EN ISO 14343-B:2009	: SS 308L
AWS A5.9-2012	: ER308L
KS D 3696:2006	: STSY308L
JIS Z 3321:2013	: YS308L

Approvals – I1 (100% Ar)

ABS	: ER308L
BV	: T-308L
DNV	: NV 308 L
LR	: 304Lm
KR	: RY308LG(I)
RS	: A-5
Other	: TUV

Description

- TIG welding of 18%Cr-8%Ni austenite stainless steels (AISI STS 301, 302, 304)
- Various applications of petrochemical and nuclear power plant apparatus
- WRC 1992 FN 3-8 (Chemical composition of wire)

Polarity & shielding gas

- DCEN (DC-)
- Ar: 100% Ar (15 – 25 l/min)

Typical chemical composition of all-weld metal (%)

C	Si	Mn	Ni	Cr
0.02	0.38	1.90	9.77	19.79

Typical mechanical properties of all-weld metal

	Yield Strength	Tensile Strength	Elongation	Impact Value (J)	
	(MPa)	(MPa)	(%)	0 °C	-196 °C
AWS A5.9		Min. 520	Min. 35		
EN ISO 14343	Min. 320	Min. 510	Min. 30		
Example	390	580	44	160	80