

T-308L

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

Classifications

EN ISO 14343-A:2007	: W 19 9 L	KS D 7026:2005	: Y308L
EN ISO 14343-B:2007	: SS 308L	JIS Z 3321:2008	: Y308L
AWS A5.9-07	: ER308L		

Description

- TIG welding of 18%Cr-8%Ni austenite stainless steels (AISI STS 301, 302, 304)
- A various application of the petrochemical , nuclear power plant apparatuses.

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr
0.02	0.38	1.90	9.77	19.79

Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)	IV (J) 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

T-308H

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

Classifications

EN ISO 14343-B:2007	: SS 308H
AWS A5.9-07	: ER308H

Description

- TIG welding of 18%Cr-8%Ni austenite stainless steels (AISI STS 304H)
- A various application of the petrochemical , flesh water, medicine and fertilizer industrial apparatuses.

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr
0.05	0.42	2.06	9.80	19.80

Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)
AWS A5.9		min. 550	min. 35
EN ISO 14343	min. 350	min. 550	min. 30
Example	350	590	42