

T-316L

For austenite stainless steel (Low carbon, 18%Cr-12%Ni-Mo STS)

Classifications

EN ISO 14343-A:2009	: W 19 12 3 L	EN ISO 14343-B:2009	: SS 316L	JIS Z 3321:2008	: Y316L
AWS A5.9-2012	: ER316L			KS D 3696:2006	: STSY316L

Description

- TIG welding of 18%Cr-12%Ni-2%Mo austenite stainless steels (AISI STS 316, 316L)
- A various application of chemical plant, fiber and paper industrial apparatus.
- WRC 1992 FN 3~8 (Chemical Composition of wire, If required)

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr	Mo
0.02	0.40	1.73	11.17	18.15	2.22

Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)	IV (J)	
				0°C	-196°C
AWS A5.9		min. 490	min. 30		
EN ISO 14343	min. 320	min. 510	min. 25		
Example	430	560	40	150	45