MIG Consumables

M-316L

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

Classifications

EN ISO 14343-B:2009	: SS 316L	JIS Z 3321:2013	: YS316L
AWS A5.9-2012	: ER316L	KS D 3696:2006	: STSY316L

Description

- MIG welding of 18%Cr-12%Ni-2%Mo austenite stainless steels (AISI STS 316)
- A various application of the petrochemical industrial apprattuese.
- WRC 1992 FN 3~8 (Chemical Composition of wire, If required)

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr	Mo
0.02	0.51	1.61	11.81	18.78	2.49

Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)	IV (J) 0℃	IV (J) -196℃
AWS A5.9		min. 490	min. 30		
EN ISO 14343	min. 320	min. 510	min. 25		
Example	394	556	41	113	62