

M-316

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

Classifications

EN ISO 14343-B:2009	: SS 316	JIS Z 3321:2013	: YS316
AWS A5.9-2012	: ER316	KS D 3696:2006	: STSY316

Description

- MIG welding of 18%Cr-12%Ni-2%Mo austenite stainless steels (AISI STS 316)
- A various application of the petrochemical industrial apparatus.

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr	Mo
0.04	0.44	1.60	12.17	19.22	2.26

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	402	507	40	103	45