

M-317L

For austenite stainless steel (Low carbon, 20%Cr-14%Ni-Mo STS)

Classifications

EN ISO 14343-B:2009	: SS 317L	JIS Z 3321:2013	: YS317L
AWS A5.9-2012	: ER317L	KS D 3696:2006	: STSY317L

Description

- MIG welding of 20%Cr-14%Ni-3.5Mo austenite stainless steels (AISI STS 316, 316L, 317)
- A various application of the petrochemical industrial appraturess used in acid atmosphere.

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr	Mo
0.01	0.38	1.63	13.52	19.06	3.09

Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)	0°C	IV (J) -196°C
AWS A5.9		min. 520	min. 30		
EN ISO 14343	min. 300	min. 480	min. 25		
Example	403	589	39	98	30