

# M-308L

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

## Classifications

EN ISO 14343-B:2009	: SS 308L	JIS Z 3321:2013	: YS308L
AWS A5.9-2012	: ER308L	KS D 3696:2006	: STSY308L

## Description

- MIG welding of 18%Cr-8%Ni austenite stainless steels (AISI STS 301, 302, 304)
- Various applications of petrochemical and nuclear power plant apparatus.
- WRC 1992 FN 3-8 (Chemical composition of wire)



## Typical chemical composition of all-weld metal (%)

C	Si	Mn	Ni	Cr
0.01	0.49	1.75	9.64	19.63

## 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	331	618	40	102	51