

# M-310

For austenite stainless steel (25%Cr-20%Ni STS)

## Classifications

EN ISO 14343-B:2009	: SS 310	JIS Z 3321:2013	: YS310
AWS A5.9-2012	: ER310	KS D 3696:2006	: STSY310

## Description

- MIG welding of 25%Cr-20%Ni austenite stainless steels (AISI 310S, SCS 18, SCh 21, 22, SUH 310)
- A various application of petrochemical and fiber industrial apparatus.

## Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr
0.10	0.41	1.60	20.84	26.74

## Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)	IV (J) 0°C
AWS A5.9		min. 550	min. 30	
EN ISO 14343	min. 320	min. 550	min. 20	
Example	370	600	40	110