

For austenite stainless steel (Low carbon, Dissimilar steels)

Classifications

EN ISO 14343-B:2009	: SS 309L	JIS Z 3321:2013	: YS309L
AWS A5.9-2012	: ER309L	KS D 3696:2006	: STSY309L

Description

- TIG welding of 22%Cr-12%Ni STS and dissimilar steels such as 304L to mild steels or low alloy steels.
- A various application of petrochemical and fiber industrial apparatus.

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr
0.01	0.45	1.64	13.78	23.09

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. 30		
EN ISO 14343	min. 320	min. 510	min. 25		
Example	445	568	42	130	52