

T-309L

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.
- Various applications of petrochemical and fiber industrial apparatus.



Typical chemical composition of all-weld metal (%)

C	Si	Mn	Ni	Cr
0.01	0.45	1.64	13.78	23.09

Typical mechanical properties of all-weld metal

	Y.S.	T.S.	El.	IV (J)	
	(MPa)	(MPa)	(%)	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

Approvals

ABS	BV	DNV GL	LR	KR
-	T-309L	VL 309L	SS/CMnm	RY309LG(I)