

# T-309

For austenite stainless steel (Dissimilar steels)

## Classifications

EN ISO 14343-A:2017	W 22 12 H	KS D 3696:2016	STSY309
EN ISO 14343-B:2017	SS 309	JIS Z 3321:2013	YS309
AWS A5.9:2012	ER309		

## 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
0.05	0.42	1.55	13.09	23.12

## Typical mechanical properties of all-weld-metal

	YS (MPa)	TS (MPa)	El. (%)	IV (J)	
				0°C	-196°C
AWS A5.9					
EN ISO 14343	min. 350	min. 550	min. 30		
Example	452	573	45	184	38

## Approvals

JIS, CE \* Please refer to our homepage([www.kiswel.com](http://www.kiswel.com)) for further detailed information regarding approvals.

# T-309L

For austenite stainless steel (Low carbon, Dissimilar steels)

## Classifications

EN ISO 14343-A:2017	W 23 12 L	KS D 3696:2016	STSY309L
EN ISO 14343-B:2017	SS 309L	JIS Z 3321:2013	YS309L
AWS A5.9:2012	ER309L		

## 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

	YS (MPa)	TS (MPa)	El. (%)	IV (J)	
				0°C	-196°C
AWS A5.9					
EN ISO 14343	min. 320	min. 510	min. 25		
Example	445	568	42	130	52

## Approvals

BV, DNV, LR, KR, RS, JIS, CE \* Please refer to our homepage([www.kiswel.com](http://www.kiswel.com)) for further detailed information regarding approvals.