

T-312

For austenite stainless steel (Dissimilar steels)

Classifications

EN ISO 14343-B:2009	: SS 312
AWS A5.9-2012	: ER312
KS D 3696:2006	: STSY312
JIS Z 3321:2013	: YS312

Description

- TIG welding of 29%Cr-9%Ni STS and dissimilar steels such as 304L to mild steels or low alloy steels
- Various applications to high, low carbon steel and clad welding

Polarity & shielding gas

- DCEN (DC-)
- Ar: 100% Ar (15 – 25 l/min)

Typical chemical composition of all-weld metal (%)

C	Si	Mn	Ni	Cr
0.11	0.41	1.81	8.92	30.63

Typical mechanical properties of all-weld metal

	Yield Strength	Tensile Strength	Elongation
	(MPa)	(MPa)	(%)
AWS A5.9		Min. 660	Min. 22
EN ISO 14343	Min. 450	Min. 650	Min. 15
Example	480	790	25