

Gas Tungsten Arc Welding

TG-S308L

FAMILIARC

Filler Rods and Wires for 308L Stainless Steel
Classification: ASME / AWS A5.9 ER308L

JIS Z3321 Y308L

Features : •Suitable for low carbon 18%Cr-8%Ni 308L stainless steel

Shielding Gas : Ar

Chemical composition of rod and wire (%) as per AWS

	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
Example	0.013	0.43	1.86	0.023	0.002	9.95	19.85	0.05	0.07
Guaranty	≤0.030	0.30~ 0.65	1.00~ 2.50	≤0.030	≤0.030	9.00~ 11.00	19.50~ 22.00	≤0.75	≤0.75

Mechanical properties of all-weld metal as per AWS

	0.2%OS (MPa)	TS (MPa)	EI (%)	IV (J)
Example	420	590	45	-196°C: 78

Polarity

Example	AC
Guaranty	AC, DC-EP

Approvals

AB, LR, NV, BV, NK, GL, CCS

Packages

Dia. (mm)	Length (mm)	Weight per tube (kg)	Weight per piece(g)
1.2	1000	5	9
1.6	1000	5	16
2.0	1000	5	25
2.4	1000	5	35
3.2	1000	5	63