

ST-308L

Low carbon 18%Cr-8%Ni steel



Conformances

AWS A5.9/ ASME SFA5.9 ER308L

JIS Z3321 YS308L

EN ISO 14343-A W 19 9L

KR RY308L (-196°C ≥29 J)

ABS AWS A5.9 ER308L

LR 304L (-196°C)

BV UP (KV -196°C)

DNV-GL VL 308L (-196°C)

NK KY308L

CCS 304L (-196°C)

CE

Applications

- Steel Structures - Oil, Textile industries, Nuclear reactor

Features

- Resistance to crack
- High Efficiency
- Resistance to corrosion

Current

DC -

Shielding Gas

Ar

Diameter / Packaging

Diameter	
mm (in)	5kg*1000
1.0 (0.039)	✓
1.2 (0.045)	✓
1.6 (1/16)	✓
2.0 (5/64)	✓
2.4 (3/32)	✓
2.6 (0.10)	✓
3.2 (1/8)	✓

Typical Chemical Composition of the Wire(%)

C	Si	Mn	Cr	Ni
0.02	0.36	1.70	20.0	10.3

Typical Mechanical Properties of All-Weld Metal

TS MPa(lbs/in ²)	EL (%)	Temp °C(°F)	CVN-Impact Value J (ft-lbs)
600 (87,000)	41	0 (32)	110 (81)