

# ST-308

Stainless steel



## Conformances

AWS A5.9/ ASME SFA5.9 ER308  
JIS Z3321 YS308  
EN ISO 14343-A W 19 9  
KR RY308G  
ABS AWS A5.9 ER308  
DNV-GL NV 308M  
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
0.05	0.38	1.75	19.8	10.1

## Typical Mechanical Properties of All-Weld Metal

TS MPa(lbs/in <sup>2</sup> )	EL (%)	Temp °C(°F)	CVN-Impact Value J (ft.-lbs)
610 (88,500)	40	0 (32)	130 (95)

SMW

SAW

GMW

GTAW

FCW

Non-FERROUS

APPENDIX