

ST-310

25%Cr-20%Ni STS

Conformances

AWS A5.9/ ASME SFA5.9 ER310

JIS Z3321 YS310

EN ISO 14343-A W 25 20

Applications

- Welding on clad side of STS clad steel

Features

- Excellent corrosion resistance
- Excellent resistance to heat
- Excellent Arc stability and bead wetting

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
0.09	0.35	1.90	26.8	20.9

Typical Mechanical Properties of All-Weld Metal

TS MPa(lbs/in ²)	EL (%)	Temp °C(°F)	CVN-Impact Value J (ft-lbs)
610 (88,500)	41	0 (32)	110 (81)