

ST-410

13%Cr STS(STS 403, STS 410)

Conformances

AWS A5.9/ ASME SFA5.9 ER410

JIS Z3321 YS410

EN ISO 14343-A W 13

Applications

- Hardfacing application

Features

- Excellent resistance to corrosion resistance and abrasion
- Good anti-abrasive property

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
0.10	0.38	0.34	12.0	0.17

Typical Mechanical Properties of All-Weld Metal

TS MPa(lbs/in ²)	EL (%)	Temp °C(°F)	CVN-Impact Value J (ft-lbs)
530 (76,800)	37	0 (32)	-