

ST-92B9

A213 T92(Seamless tube), A335 P92(Seamless pipe), A387 Gr92(Plate), A182/A336 F92(forging), A234 WP92

Conformances

AWS A5.28/ ASME SFA5.28 ER90S-G

Applications

- Headers, main steam piping and turbine casings

Features

- Good high temp. creep resistance
- In the PWHT condition the microstructure consists of tempered martensite with alloy carbides

Current

GTAW: 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	Mo	Shielding Gas
0.10	0.23	0.55	8.82	0.67	0.44	Ar

Typical Mechanical Properties of All-Weld Metal

	YS MPa(lbs/in ²)	TS MPa(lbs/in ²)	EL (%)	Temp °C(°F)	CVN-Impact Value J (ft·lbs)
As welded with 100% Ar	758 (109,939)	845 (122,557)	21	0 (32)	30 (22)
				R.T	150 (111)

SAW

SAW

GTAW

GTAW

FCAW

Non-FERROUS

APPENDIX