ST-309

Classification

AWS	A5.9/ASME SFA-5.9 ER309
JIS	Z 3321 YS309
EN	ISO 14343-A-W Z(23 12)

Features

- Resistance to crack
- High Efficiency
- Excellent resistance to heat

Current

DC -

Application Areas

- Steel structures
- Oil, nuclear reactor

Shielding Gas

100% Ar

Approvals

ABS	CE
✓	✓

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	Ni	Cr	Mo
0.05	0.32	1.7	13.3	23.7	0.15

Typical Mechanical Properties of All-Weld Metal

Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
620 (90)	44	-60 (-75)	145 (107)

Wire Diameter & Packaging

Wire Diameter mm(in)	Packaging
1.6 (1/16)	5kg(11lbs)*1000
2.0 (5/64)	
2.4 (3/32)	
2.6 (0.10)	
3.2 (1/8)	