ST-82

Classification

AWS A5.14/ ASME SFA-5.14 ERNiCr-3
JIS Z 3334 SNi6082
EN ISO 18274 S Ni 6082

Features

- Good corrosion-resistant and heat-resistant
- Excellent strength and toughness
- No preheat is required

Current

DC -

Application Areas

- LNG and LPG storage plants, boilers of thermal power stations

Shielding Gas

Ar, Ar + He

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	P	S	Ni	Cr	Ti	Nb	Mg
0.04	0.04	3.1	0.01	0.001	72.2	20.5	0.35	2.4	1.4

Typical Mechanical Properties of All-Weld Metal

Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
660 (96)	43	-196 (-320)	170 (125)

Wire Diameter & Packaging

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