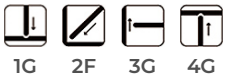
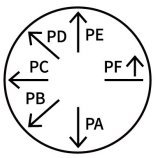
SM-82

Classification

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

Welding Positions





Features

- Corrosion and heat resistant
- Excellent strength and toughness
- No preheat is required

Polarity

DC + (PULSE)

Application Areas

- LNG and LPG storage plant, boilers of thermal power stations
- Ni-based alloys and high temperature alloys

Shielding Gas

Ar, Ar + He

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	P	S	Ni	Cr	Nb
0.04	0.09	3.2	0.01	0.001	72.9	19.9	2.5(Nb+Ta)

Typical Mechanical Properties of All-Weld Metal

Shielding Gas	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
Ar, Ar + He	660 (96)	35	-196 (-320)	80 (59)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Packaging
0.9 (0.035), 1.0 (0.039), 1.2 (0.045), 1.4 (0.052), 1.6 (1/16)	Spool 12.5kg(27.6lbs)