

ST-50G

Classification

AWS	A5.18/ASME SFA-5.18 ER70S-G
JIS	Z 3316 YGT50
EN	ISO 636-A-W3Si1

Features

- Good impact value at low temperature
- Good workability and Bead Appearance
- Good performance

Application Areas

- Pressure vessels
- Nuclear reactors
- Rail road car
- Shipbuilding
- Pipeline

Approvals

ABS	BV	CCS	DNV	KR	LR	NK
✓	✓	✓	✓	✓	✓	✓

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	P	S
0.08	0.86	1.47	0.011	0.018

Typical Mechanical Properties of All-Weld Metal

Yield Strength MPa(ksi)	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
470 (68)	560 (81)	29	-20 (0)	100 (74)

Current

DC -

Shielding Gas

100% Ar

Wire Diameter & Packaging

Wire Diameter mm(in)	Packaging
1.2 (0.045)	5kg(11lbs)*1000
1.6 (1/16)	
2.0 (5/64)	
2.4 (3/32)	
3.2 (1/8)	

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux