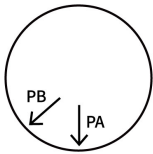


SM-70GS

Classification

AWS A5.18/ ASME SFA-5.18 ER70S-G
JIS Z 3312 YGW15
EN ISO 14341-A G2Si

Welding Positions



Features

- Mixed gas
- Good performance high-current

Polarity

DC +

Application Areas

- Shipbuilding
- Structural fabrication
- Machinery

Shielding Gas

Ar + 20% CO2

Approvals

LR
✓

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	P	S	Ti
0.04	0.62	1.21	0.015	0.006	0.11

Typical Mechanical Properties of All-Weld Metal

Shielding Gas	Yield Strength MPa(ksi)	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft · lbs)
Ar + 20% CO2	480 (70)	550 (80)	28	0 (32) -30 (-20)	155 (114) 100 (74)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Packaging
1.2 (0.045), 1.4 (0.052), 1.6 (1/16)	Spool 15kg(33lbs), 20kg (44lbs) Drum 250kg (551lbs), 300kg (661lbs), 350kg (771lbs)

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux