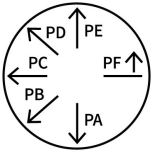


SM-70S

Classification

AWS A5.18/ ASME SFA-5.18 ER70S-3
JIS Z 3312 YGW16
EN ISO 14341-A G2Si

Welding Positions



Features

- All position welding by short-circuiting type transfer
- Mixed gas
- Galvanized steel applicable
- Stable arc and low spatter
- Good bead appearance

Polarity

DC +

Application Areas

- Automotive
- Shipbuilding
- Machinery

Shielding Gas

Ar + 20% CO2

Approvals

ABS	LR
✓	✓

Typical Chemical Composition of the Wire (wt%)

C	Si	Mn	P	S
0.07	0.65	1.14	0.015	0.009

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	440 (64)	540 (78)	28	-20 (0)	125 (92)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Packaging
0.8 (0.030), 0.9 (0.035), 1.0 (0.039), 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