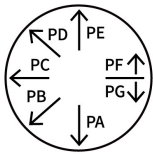


SC-70A

Classification

AWS AWS A5.18/ ASME SFA-5.18 E70C-3C,-6M
EN ISO 17632-A T42 3 M C11 H5 / T46 3 M M211 H5
ISO 17632-A T42 2 M C11 H5 / T42 2 M M211 H5

Welding Positions



Features

- Designed for welding with 100% CO2 gas or Ar+CO2 mixed gas
- High deposition rates & minimal slag coverage
- Good bead appearance

Polarity

DC+

Application Areas

- Structural fabrication
- Steel industry
- Shipbuilding & machinery

Shielding Gas

100% CO2
Ar+20~25% CO2

Approvals

ABS	BV	DNV	LR	RINA	CWB	CE	DB	TUV
✓	✓	✓	✓	✓	✓	✓	✓	✓

Typical Chemical Composition of All-Weld Metal (wt%)

Shielding Gas	C	Si	Mn	P	S
100% CO2	0.06	0.40	1.40	0.010	0.010
Ar+20~25% CO2	0.06	0.55	1.55	0.010	0.010

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)
100% CO2	500 (73)	560 (81)	27	-20 (0)	70 (52)
Ar+20~25% CO2	540 (78)	610 (88)	26	-30 (-20)	60 (44)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Current (A)
1.2 (0.045)	140~300

SMW

GMW

GTW

FCW

SAW

SAW Wire

SAW Flux

Metal-cored Wire