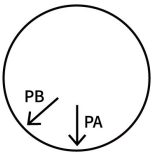


SC-70H Cored

Classification

AWS AWS A5.20 / ASME SFA-5.20 E70T-1C,-9C
JIS Z 3313
T49 3 T1-0 C A
EN ISO 17632-A T42 2 R C1 3

Welding Positions



Features

- High deposition in the flat and horizontal positions
- Designed for welding with 100% CO2 shielding gas

Polarity

DC +

Application Areas

- Shipbuilding
- Structural fabrication
- Machinery
- Heavy equipment
- Transportation equipment

Shielding Gas

100% CO2

Approvals

ABS	CCS	DNV	LR	CWB
✓	✓	✓	✓	✓

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

Shielding Gas	C	Si	Mn	P	S
100% CO2	0.05	0.48	1.42	0.011	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	520 (75)	575 (83)	26.2	-20 (0) -30 (-20)	65 (48) 53 (39)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Current (A)	Packaging
1.2 (0.045)	110~280	Spool 5kg (11lbs), 12.5kg (28lbs), 15kg (33lbs), 20kg (44lbs) Drum 100kg (221lbs), 200kg (441lbs), 250kg (551lbs)
1.4 (0.052)	110~280	
1.6 (1/16)	120~300	
2.0 (5/64)	350~450	
2.4 (3/32)	400~500	

SMW

GMW

GTW

FCW

Metal-cored Wire

SAW Wire

SAW Flux