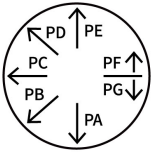


SC-110MAG

Classification

AWS AWS A5.29 / ASME SFA-5.29 E111T1-GM
EN ISO 18276-A T69 4 ZMn2NiMo P M21 1 H5

Welding Positions



Features

- Designed for welding with 100% Ar+20~25%CO2 shielding gas
- High strength steel(HT-80)

Polarity

DC +

Application Areas

- Shipbuilding
- Offshore structure
- Structural fabrication

Shielding Gas

Ar+20~25% CO2

Approvals

DNV
✓

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

Shielding Gas	C	Si	Mn	P	S	Ni	Cr	Mo	V
Ar+20~25% CO2	0.06	0.30	1.75	0.010	0.010	2.40	0.02	0.15	0.01

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+20~25% CO2	780 (113)	820(119)	19.6	-40 (-40)	67 (49)

Diameter / Welding Parameters / Packaging

Wire Diameter mm(in)	Current (A)	Packaging
1.2 (0.045)	110~280	Spool 5kg (11lbs), 15kg (33lbs) Drum 100kg (221lbs), 200kg (441lbs), 250kg (551lbs)

SMAG

GMAW

GTAW

FCAW

Metal-cored Wire

SAW Wire

SAW Flux