

SC-71MJ

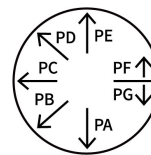
Classification

AWS AWS A5.20 / ASME SFA-5.20 E71T-9M-J H4

AWS A5.29 / ASME SFA-5.29 E81T1-GM

EN ISO 17632-A T46 4 P M21 1 H5

Welding Positions



Features

- Designed for welding with Ar+20~25%CO₂ shielding gas
- Smooth and stable arc with a fast freezing slag
- Low hydrogen level(H₄)

Polarity

DC+

Application Areas

- Shipbuilding
- General fabrication
- Structural fabrication

Shielding Gas

Ar+20~25% CO₂

Approvals

ABS	BV	DNV	LR	CE
✓	✓	✓	✓	✓

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

Shielding Gas	C	Si	Mn	P	S	Ni
Ar+20~25% CO ₂	0.05	0.30	1.10	0.010	0.010	0.40

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% CO ₂	545(79)	583(85)	25	-40(-40)	80(59)

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	

SMAW

GMAW

GTAW

FCAW

Metal-cored Wire

SAW Wire

SAW Flux