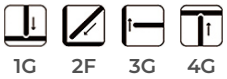
SF-71P

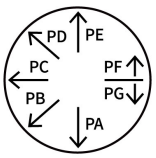
Classification

AWS AWS A5.20 / ASME SFA-5.20 E71T-1C/-9C-J H4

EN ISO 17632-A T42 4 P C1 1 H5

Welding Positions





Features

- Designed for welding with 100%CO2 shielding gas
- Good impact value at low temperature (As Welded and PHWT)

Polarity

DC+

Application Areas

- Shipbuilding
- Offshore structure
- Pipe & Pipeline
- Pressure vessel

Shielding Gas

100% CO2

Approvals

ABS
✓

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

Shielding Gas	C	Si	Mn	P	S	Ni
100% CO2	0.04	0.45	1.30	0.010	0.010	0.45

Typical Mechanical Properties of All-Weld Metal

Shielding Gas	Condition	Yield Strength MPa(ksi)	Tensile Strength MPa(ksi)	Elongation (%)	Temperature °C (°F)	Impact Toughness J (ft·lbs)
100% CO2	As Welded	550(80)	600(87)	28	-30(-20) -40(-40)	86(63) 73(54)
100% CO2	PWHT 620°C×2hr	530(77)	560(81)	30	-30(-20) -40(-40)	73(54) 57(42)

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	