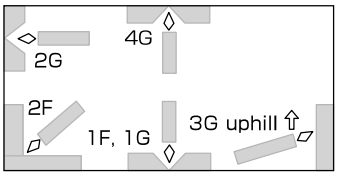
SE-A50 FAMILIARC™

Solid wire

Features:
- Smooth wire feeding, Smooth arc start and stable arc with little spatter generation
- The special surface treatment that eliminates the need for Cu coating

Welding Positions:



Classification: AWS A5.18 ER70S-G

Shielding gas: Ar-20%CO_2

Polarity: DCEP

Packaging data

ϕ mm	Spool		Drum			
0.9	10kg	20kg	-	250kg	-	-
1.0	10kg	20kg	-	250kg	-	-
1.2	10kg	20kg	100kg	-	300kg	400kg
Volume mm	240W, 110H, 240L	300W, 110H, 300L	530ϕ, 820H			680ϕ, 770H

Composition (wire mass%)

	Typical	Guaranty [a]
C	0.05	0.02~0.15
Si	0.89	0.40~1.00
Mn	1.40	0.90~1.60
P	0.010	0.030
S	0.015	0.030
Cu	0.01	0.50
Ni	0.01	0.15
Cr	0.02	0.15
Mo	<0.01	0.15
V	<0.01	0.03

Note: [a] Single values are maximum.

Welding parameters (A)

ϕ mm	1F, 1G	3G uphill, 4G
0.9	50~220	50~150
1.0	50~250	50~160
1.2	80~300	50~180

All-weld mechanical properties

	Typical	Guaranty
0.2%YS (MPa)	460	400min.
TS (MPa)	559	490min.
El on 4d (%)	30	22min.
IV -20℃ (J)	120	27min.

Approvals

NK	KSW53G (M2)