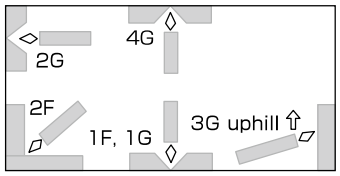
LB-76 FAMILIARC™

Stick electrode

Features:
- Suitable for butt and fillet welding of 520MPa high tensile steel

Redrying Conditions: 300~350℃x0.5~1h
Identification color: 1st Blue white, 2nd Green
Polarity: AC, DCEP

Welding Positions:



Packaging data

ϕ mm	Length mm	kg/pack	kg/carton	g/piece	carton mm
3.2	350	5	20	33	170W, 120H, 380L
4.0	400	5	20	58	170W, 110H, 430L
5.0	450	5	20	102	170W, 110H, 480L
6.0	450	5	20	145	170W, 110H, 480L

Composition (all-weld metal mass%)

	Typical (AC)	Guaranty [a]
C	0.08	0.05~0.10
Si	0.58	0.30~0.75
Mn	1.30	1.00~1.50
P	0.01	0.03
S	0.01	0.03
Ni	0.01	0.30
Cr	0.03	0.20
Mo	<0.01	0.30
V	0.01	0.08

Note: [a] Single values are maximum.

Welding parameters (A)

ϕ mm	1F, 1G, 2F, 2G	3G uphill, 4G
3.2	90~130	80~120
4.0	140~190	120~180
5.0	190~250	-
6.0	250~320	-

All-weld mechanical properties

	Typical (AC)	Guaranty
0.2%YS (MPa)	510	393min.
TS (MPa)	600	483min.
El on 4d (%)	29	25min.
IV -29℃ (J)	110	-