AEROTECH A1 L glider (90-125 kg) – flight manual values

Lengths in mm, under 5 kg. Tolerance: as recommended by the PMA.

Overall line lengths with risers (bottom of risers → lower surface)

Rib	A	B	C	D	Brake
1	7473	7392	7533	7628	7801
2	7379	7292	7425	7518	7527
3	7419	7327	7455	7539	7333
4	7370	7266	7395	7471	7275
5	7283	7184	7303	7367	7085
6	7314	7217	7328	7375	6982
7	7229	7122	7171		6992
8	7101	7008	7053		6961
9	7030	6938	6980		6895
(brake)					6930
10	6772	6760			
11	6599	6607	6675	6771	

Overall line lengths without risers (quick link → lower surface)

Rib	A	B	C	D	Brake
1	6926	6845	6986	7081	7801
2	6832	6745	6878	6971	7527
3	6872	6780	6908	6992	7333
4	6823	6719	6848	6924	7275
5	6736	6637	6756	6820	7085
6	6767	6670	6781	6828	6982
7	6582	6575	6624		6992
8	6454	6461	6506		6961
9	6383	6391	6433		6895
(brake)					6930
10	6225	6213			
11	6052	6060	6128	6224	

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Risers (without quick links)

Riser	Trim speed	Full speed bar
A	520	360
A'	620	460
B	520	443
C	520	520

Line materials (flight manual)

Lines	Manufacturer	Reference
Main lines – upper level	Liros	PPSL 120 / DSL 70
Main lines – middle level	Liros	PPSL 120
Main lines – lower level	Edelrid	7343-280/230/190/140
Main lines – stabilo	Edelrid	7343-140
Brake lines – upper level	Liros	DSL 70
Brake lines – intermediate level	Liros	PPSL 120
Brake lines – lower level	Edelrid	7850X-240
Lines / risers connection	Joo-Tech	Screw links

AEROTECH A1 L glider (90-125 kg) – flight manual values

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Lines – finished length loop to loop, under 5 kg (per side)

Line	Finished length (mm)
AR1	4725
AR2	4756
AR3	4892
AM1	764
AM2	573
a1	2238
a2	2144
a3	2184
a4	2106
a5	2019
a6	2050
a7	975
a8	847
a9	1523
a10	725
BR1	4639
BR2	4656
BR3	4896
BM1	771
b1	2243
b2	2143
b3	2178
b4	2102
b5	2020
b6	2053
b7	957
b8	843
b9	1527
b10	713
CR1	4803
CR2	4781
CR3	4963
CM1	1690

Line	Finished length (mm)
CM2	1586
CM3	1628
CM4	1602
CM5	1512
CM6	1548
CM7	797
c1	547
c2	543
c3	531
c4	519
c5	517
c6	506
c7	913
c8	795
c9	1502
d1	642
d2	636
d3	615
d4	595
d5	581
d6	553
STMain	4973
STMA	552
STMB	633
sta	573
stb	581
stc	568
std	664
BRmain	2753
BRM1	2116
BRM2	2571
BRM3	3313
BRMU1	1422

Line	Finished length (mm)
BRMU2	1229
br1	1572
br2	1298
br3	1297
br4	1239
br5	1809
br6	1706
br7	1716
br8	900
br9	834
br10	869

AEROTECH A1 L glider (90-125 kg) – flight manual values

Lengths in mm, under 5 kg. Tolerance: as recommended by the PMA.

Lines layout

