AEROTECH A1 M glider (70-110 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	7116	7034	7172	7256	7406
2	7025	6939	7069	7150	7144
3	7063	6971	7096	7169	6958
4	7013	6913	7013	7075	6902
5	6929	6834	6925	6975	6719
6	6958	6865	6949	6984	6620
7	6860	6759	6811		6629
8	6738	6662	6698		6601
9	6665	6599	6635		6537
(brake)					6570
10	6430	6418			
11	6262	6273	6338	6435	

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

Rib	A	B	C	D	Brake
1	6589	6507	6645	6729	7406
2	6498	6412	6542	6623	7144
3	6536	6444	6569	6642	6958
4	6486	6386	6486	6548	6902
5	6402	6307	6398	6448	6719
6	6431	6338	6422	6457	6620
7	6233	6232	6284		6629
8	6111	6135	6171		6601
9	6038	6072	6108		6537
(brake)					6570
10	5903	5891			
11	5735	5746	5811	5908	

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Risers (without quick links)

Riser	Trim speed	Full speed bar
A	500	360
A'	600	460
B	500	425
C	500	500

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 M glider (70-110 kg) – flight manual values

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

Line	Finished length (mm)
AR1	4491
AR2	4516
AR3	4624
AM1	762
AM2	551
a1	2135
a2	2044
a3	2082
a4	2009
a5	1925
a6	1954
a7	896
a8	774
a9	1446
a10	695
BR1	4405
BR2	4420
BR3	4654
BM1	759
b1	2139
b2	2044
b3	2076
b4	2005
b5	1926
b6	1957
b7	868
b8	771
b9	1450
b10	683
CR1	4558
CR2	4510
CR3	4713
CM1	1615

Line	Finished length (mm)
CM2	1515
CM3	1554
CM4	1530
CM5	1444
CM6	1478
CM7	746
c1	526
c2	523
c3	511
c4	500
c5	498
c6	488
c7	874
c8	761
c9	1427
d1	610
d2	604
d3	584
d4	562
d5	548
d6	523
STMain	4703
STMA	531
STMB	608
sta	547
stb	558
stc	546
std	643
BRmain	2591
BRM1	2014
BRM2	2450
BRM3	3153
BRMU1	1360

Line	Finished length (mm)
BRMU2	1175
br1	1503
br2	1241
br3	1240
br4	1184
br5	1726
br6	1627
br7	1636
br8	862
br9	798
br10	831

AEROTECH A1 M glider (70-110 kg) – flight manual values

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

Lines layout

