

The solid line shows the average variance of all lines in that tab row, and shows how the profile of the wing from front to back has been affected by the variances. A flatter line is better.
 Job number
 B18163

 Checked by
 James Summe

 Date
 20/08/2020

 Manufacturer
 Advance

 Glider
 lota

 Size
 30

 Serial
 4674P62069

Summary of line measure and retrim

Your glider Overall profile before retrim Overall profile after retrim Right Right ←Front Back→ ←Front Back→ Your wing was originally flying out of the manufactures trimmed 20 specification. Loops have been added and adjusted at the maillons to improve the overall symmetry of your wing and bring 10 the glider back into the manufactures trimmed specification. Both brakes have not been adjusted. 0 Explanation of the graphs -10 -10 The bars on the graphs summarise the range of variances from specification. The top of the bar corresponds to the maximum, -20 -20 and the bottom to the minimum. The scale shows from 20mm long to -20mm short. Shorter bars are better. Left Left ←Front Back→ ←Front Back→ Manufacturers stipulate a tolerance of ±10mm against specified 20 lengths. Any variance in excess of this is shown in red in the bars on the right. In each graph, the leftmost bar relates to the first line tab row at the front of the wing, and the last relates to the one closest to the trailing edge.

Summary of loops on maillons before and after retrim

All lines have been measured using a laser measure and compared to the manufacturer's line length specification. Any anomalies outside tolerance (±10mm) are normally addressed by changing the loops at the maillons. Exceptionally loops in the upper cascade can be changed or lines replaced, either of which would be noted in the report above. The tables below show the maillon loops before and after retrimming, and any required trim changes made are highlighted. The pictures below the tables show the different types of loop used.

3, 1									9 9 1									
Before	Left				Right					After	Left				Right			
	4	3	2	1	1	2	3	4		Aitei	4	3	2	1	1	2	3	4
Α		SL	SL	PH	PH+	DL	DL			Α		SL	SL	PH	PH	DL	DL	
В		SL	DL	PH	LF	DL	SL			В		SL	DL	PH+	LF	DL	SL	
С		DL	DL	LF	LF	LF	DL			С		SL	DL	LF	LF	LF	SL	
D										D								
E										E								
S				SL	SL					S				SL	SL			
		_							-	-								











Specification and summary of variances after retrim																		
Linese	t overa	II after	retrim	vs spec	cificati	on	-37	mm	Brakes overall vs lineset				Left 0mm		Right 0mm		Adjusted? Yes	
Specified line lengths							Left variances											
	Α	В	С	D	Е	Brakes	Α	В	С	D	E	Brakes	Α	В	С	D	Е	Brakes
1	7482	7384	7500	7647		8086	-6	6	6	7		1	-7	5	3	9		-2
2	7437	7340	7446	7605		7876	-9	2	3	8		3	-6	4	2	6		4
3	7390	7295	7400	7538		7758	-5	6	9	4		3	-5	2	5	8		10
4	7394	7305	7422	7551		7649	-3	3	6	2		2	0	4	7	2		7
5	7329	7239	7336	7447		7707	-4	-1	1	3		-2	-6	-2	4	1		0
6	7298	7208	7286	7400		7520	0	1	3	7		-2	-6	-1	6	5		2
7	7235	7150	7227	7329		7428	3	2	5	4		0	-4	-2	1	1		-1
8	7244	7158	7235	7329		7351	2	3	5	5		-1	-1	4	2	0		-4
9	7077	7016	7089			7302	-8	-4	0			-2	-2	1	-1			-6
10	6957	6907	6976			7197	-3	-1	-2			3	-4	-1	0			0
11	6849	6797	6855			7109	-9	0	0			5	-9	1	3			4
12	6784	6747	6810			7150	-6	1	1			-1	-6	-1	1			-1
13	6567	6534				7047	1	6				4	6	9				4
14	6456	6483					6	4					6	7				
15	6302	6351	6409				1	6	4				3	1	0			
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