

Line and Riser Measurements of flight test Paraglider ⁽¹⁾

Report No. : **PG_2036.2022** Sample name: **EPSILON 10 DLS 22** Date measure: **15.09.2022** Place: **Villeneuve**
 Manufacturer: **Advance Thun AG** S/N: **95295** Responsible: **Claude Thurnheer** Linked: **ISO 91.20**

Total line length including risers [mm]

Main brake line with diff color than A,B,C main line? Yes

Center	A			B			C			D			E			Stab			Brake			+strap
	Manu ⁽²⁾	Sample	Diff	Manu	Sample	Diff	Manu	Sample	Diff	Manu	Sample	Diff	Manu	Sample	Diff	Manu	Sample	Diff	Manu	Sample	Diff	Sample
1	6611	6615	4	6519	6523	5	6628	6631	3	6763	6762	-1			0			0	7094	7104	10	
2	6561	6565	4	6473	6478	5	6577	6581	4	6711	6710	-1			0			0	6846	6851	5	
3	6514	6517	3	6426	6430	4	6526	6528	2	6652	6651	0			0			0	6654	6660	6	
4	6466	6468	2	6378	6379	2	6469	6468	0	6579	6579	0			0			0	6552	6556	4	
5	6378	6383	5	6310	6316	6	6386	6388	2			0			0			0	6472	6473	2	
6	6273	6275	2	6221	6223	3	6288	6289	1			0			0			0	6284	6286	2	
7	6180	6183	3	6133	6137	5	6186	6188	3			0			0			0	6185	6189	5	
8	6140	6143	3	6096	6098	2	6145	6147	2			0			0			0	6144	6148	5	
9	5846	5849	3	5854	5856	2	5970	5969	-1			0			0			0	6056	6055	0	
10	5736	5736	0	5792	5791	-1			0			0			0			0	5951	5952	1	
11			0			0			0			0			0			0	5886	5894	9	
12			0			0			0			0			0			0	5844	5850	6	
13			0			0			0			0			0			0			0	
14			0			0			0			0			0			0			0	
15			0			0			0			0			0			0			0	
16			0			0			0			0			0			0			0	
17			0			0			0			0			0			0			0	
18			0			0			0			0			0			0			0	

Wing tip

Stab line to riser:

Number Cell:

Weight of the glider [kg]:

Tolerance [mm] ⁽⁴⁾:

Riser measurement - total length (inner edge) [mm] ⁽³⁾

Total length (incl. Carabiner or connect)	Risers	Std	Acc	Trim	Total length (no carabiner or connect)	Risers	Std	Acc
	A	506	368	n/a	A	479	341	
	A'	504	388	n/a	A'	477	361	
	B	506	412	n/a	B	479	385	
	C	509	509	n/a	C	482	482	
	D			n/a	D			
	Acc	139	*[mm]		Acc	139	*[mm]	
	Trimmer	n/a	[mm]		Trimmer	n/a	[mm]	

No. of risers
 Tolerance [mm]
 Carabiner [mm]
 Tolerance [mm]

*Travel range (distance between A and rear riser)

Acc system configuration max travel



Another trim configuration
 If yes (description):

Test Atmosphere AGL

Pressure [hPa]
 Humidity [%]
 Temperature [°C]
 Plausibility check :
 [mm] 500
 [mm] 10000
 Remark:

Instrument validity date

Laser distance meter	07.09.2023
Line measurements system	07.09.2023

Uncertainty of instrument [mm]

Present inspection's scope only extends to the conformity of a given sample, on a given date and in a given place – as mentioned here above. The validation of this report is given by the signature of the test manager on inspection certificate 91.20

⁽¹⁾Total length measured from the underside of the glider to the inner edge of the risers with a tension of 50 [N]. Measured values do not include the uncertainty/The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The measured values lies within the assigned range of values with a probability of 95%. ⁽²⁾ Manu=Values from manufacturer, Sample=Measured by inspector.

⁽³⁾ Risers, Std=Trim speed, Acc=Accelerated, AND if trimmer: Open=trimmer open, Closed=trimmer closed, Trim=measured at this position. ⁽⁴⁾Tolerance line and riser is +/-15 [mm]