

## Line and Riser Measurements of flight test Paraglider <sup>(1)</sup>

Report No. : **PG\_1699.2020** Sample name: **Cayenne 6 S** Date measure: **03.06.2020** Place: **Villeneuve**  
 Manufacturer: **Skywalk** S/N: **CA12-rev6-S-6** 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 <sup>(2)</sup>	Sample	Diff	Manu	Sample	Diff	Manu	Sample	Diff	Manu	Sample	Diff	Manu	Sample	Diff	Manu	Sample	Diff	Manu	Sample	Diff	Sample
1	7784	7784	-1	7720	7725	4	7832	7836	3						6932	6922	-10	8447	8467	20	120	
2	7729	7731	1	7664	7665	0	7776	7781	5						6892	6885	-7	8146	8172	26	120	
3	7694	7701	7	7629	7633	3	7740	7740	-1						6912	6902	-11	7904	7928	25	120	
4	7702	7706	4	7638	7641	3	7747	7753	5						6839	6831	-9	7705	7727	23	120	
5	7629	7631	2	7568	7571	2	7676	7675	-1						6814	6808	-6	7639	7667	29	120	
6	7567	7568	1	7509	7513	3	7614	7615	0						6843	6832	-12	7564	7589	25	120	
7	7519	7524	5	7460	7468	7	7550	7556	6						6800	6792	-9	7310	7334	24	120	
8	7512	7515	3	7455	7460	5	7535	7534	-1						6768	6763	-6	7180	7202	22	120	
9	7372	7369	-3	7310	7309	-2	7372	7372	-1						6803	6793	-10	7196	7221	25	120	
10	7313	7310	-4	7253	7252	-1	7310	7313	3									7054	7071	18	120	
11	7305	7304	-2	7245	7242	-3	7294	7297	2									6897	6916	20	120	
12	7234	7229	-5	7154	7157	2	7178	7175	-3									6794	6810	17	120	
13	7189	7191	2	7112	7116	3	7132	7132	0									6696	6711	15	120	
14	7179	7178	-1	7101	7104	3	7117	7116	-1									6719	6735	17	120	
15																						
16																						
17																						
18																						

Stab line to riser:

Number Cell:

Weight of the glider [kg]:

Tolerance [mm] <sup>(4)</sup>:

### Riser measurement - total length (inner edge) [mm] <sup>(3)</sup>

Total length (incl. Carabiner or connect)	Risers	Std	Acc	Trim	Total length (no carabiner or connect)	Risers	Std	Acc
	A	542	395	n/a		A	515	368
B	605	505	n/a	B	577	478		
C	545	545	n/a	C	517	517		
Acc	147	*[mm]		Acc	147	*[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   
 Line measurements system

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 71.8.1

<sup>(1)</sup>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%. <sup>(2)</sup> Manu=Values from manufacturer, Sample=Measured by inspector.

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