

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

Report No. : **PG\_1711.2020** Sample name: **Cayenne 6 L** Date measure: **03.09.2020** Place: **Villeneuve**  
 Manufacturer: **Skywalk** S/N: **CA12 L Rev5** 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	8250	8262	12	8182	8189	6	8301	8298	-3						7346	7343	-3	8969	8985	17	120	
2	8193	8204	10	8124	8133	9	8243	8238	-6						7306	7308	2	8652	8670	18	120	
3	8158	8168	10	8089	8104	14	8208	8206	-3						7328	7329	1	8402	8421	20	120	
4	8169	8175	5	8099	8114	15	8217	8213	-5						7248	7250	2	8190	8210	20	120	
5	8091	8094	2	8029	8035	6	8142	8138	-4						7224	7224	0	8122	8139	18	120	
6	8027	8031	3	7967	7971	4	8077	8072	-6						7255	7253	-2	8044	8062	18	120	
7	7977	7980	3	7916	7924	7	8010	8009	-2						7207	7212	5	7779	7800	22	120	
8	7970	7971	1	7911	7915	4	7995	7992	-4						7175	7177	2	7645	7666	22	120	
9	7822	7818	-4	7758	7764	5	7824	7818	-6						7212	7214	2	7663	7682	19	120	
10	7760	7753	-7	7698	7703	4	7758	7752	-6									7516	7539	24	120	
11	7751	7746	-6	7689	7691	2	7741	7732	-9									7350	7375	26	120	
12	7675	7670	-5	7594	7596	2	7620	7614	-6									7245	7266	22	120	
13	7628	7627	-2	7550	7554	4	7571	7563	-8									7144	7167	24	120	
14	7617	7615	-2	7537	7532	-5	7555	7547	-8									7166	7184	19	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	545	382	n/a		A	517	354	
B	612	502	n/a		B	584	474	
C	544	544	n/a		C	516	516	
D			n/a		D			
Acc	162	*[mm]			Acc	162	*[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

<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]