

Line and Riser Measurements of flight test Paraglider ⁽¹⁾

Report No. : **PG_1701.2020** Sample name: **Cayenne 6 XS** Date measure: **05.06.2020** Place: **Villeneuve**
 Manufacturer: **Skywalk** S/N: **CA12-Rev6-ProtoXS-3** 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	7531	7539	8	7470	7480	10	7578	7565	-13						6700	6689	-11	8187	8205	19	120	
2	7477	7486	9	7415	7422	7	7523	7509	-14						6661	6648	-13	7895	7913	18	120	
3	7442	7447	5	7378	7392	14	7487	7476	-12						6680	6665	-15	7657	7676	20	120	
4	7450	7457	7	7386	7398	12	7493	7484	-10						6610	6599	-11	7464	7481	18	120	
5	7378	7387	9	7318	7323	5	7423	7408	-15						6585	6575	-10	7398	7416	19	120	
6	7317	7332	15	7261	7263	2	7362	7351	-11						6613	6600	-14	7325	7344	20	120	
7	7270	7274	4	7213	7217	3	7299	7286	-14						6572	6561	-11	7076	7094	18	120	
8	7263	7268	5	7207	7211	3	7285	7271	-15						6541	6531	-10	6948	6964	17	120	
9	7127	7125	-2	7066	7065	-2	7126	7124	-3						6574	6563	-11	6963	6979	16	120	
10	7070	7070	0	7011	7011	-1	7065	7065	-1										6823	6841	18	120
11	7061	7060	-1	7003	7004	1	7050	7049	-2										6671	6689	18	120
12	6992	6986	-6	6913	6908	-6	6937	6932	-5										6570	6583	14	120
13	6949	6947	-2	6873	6869	-4	6892	6889	-3										6474	6490	16	120
14	6939	6936	-3	6861	6859	-3	6878	6868	-10										6497	6511	15	120
15																						
16																						
17																						
18																						

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	525	399	n/a		A	498	371
B	585	500	n/a	B	558	473		
C	523	523	n/a	C	495	495		
Acc	127	*[mm]		Acc	127	*[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

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 71.8.1

⁽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]