

Line and Riser Measurements of flight test Paraglider ⁽¹⁾

Report No. : **PG_1700.2020** Sample name: **Cayenne 6 M** Date measure: **28.05.2020** Place: **Villeneuve**
 Manufacturer: **Skywalk** S/N: **CA12-rev7-M-12** 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

	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
Center 1	8094	8097	3	8028	8031	2	8143	8144	1							7213	7200	-13	8794	8814	21	123
2	8037	8042	5	7971	7975	3	8086	8088	2							7172	7161	-12	8482	8508	26	123
3	8002	8005	2	7935	7937	2	8050	8047	-4							7194	7180	-14	8235	8260	25	123
4	8012	8020	8	7945	7949	3	8058	8055	-4							7116	7102	-14	8028	8052	24	123
5	7935	7933	-2	7873	7877	4	7985	7983	-2							7091	7100	9	7960	7979	19	123
6	7872	7873	0	7812	7815	3	7921	7919	-3							7122	7113	-9	7882	7907	25	123
7	7823	7825	2	7763	7766	3	7855	7847	-8							7076	7062	-14	7622	7648	27	123
8	7815	7819	4	7757	7761	4	7840	7831	-10							7043	7032	-11	7489	7516	28	123
9	7671	7670	-1	7607	7614	6	7671	7666	-5							7080	7070	-10	7506	7531	25	123
10	7610	7608	-2	7549	7553	4	7606	7604	-2													
11	7601	7599	-3	7540	7543	2	7590	7589	-2													
12	7527	7525	-2	7446	7447	0	7472	7464	-9													
13	7480	7477	-3	7403	7405	2	7424	7419	-5													
Wing tip 14	7470	7466	-4	7391	7392	1	7409	7405	-4													
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⁾

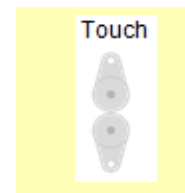
Total length (incl. Carabiner or connect)	Risers	Std	Acc	Trim	Total length (no carabiner or connect)	Risers	Std	Acc
	A	544	399	n/a		A	517	371
B	607	509	n/a	B	580	482		
C	544	544	n/a	C	517	517		
Acc	146	*[mm]		Acc	146	*[mm]		
Trimmer	n/a	[mm]		Trimmer	n/a	[mm]		

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

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

⁽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]