

Line and Riser Measurements of flight test Paraglider ⁽¹⁾

Report No. : **PG_2557.2025** Sample name: **Breeze S** Date measure: **06.11.2024** Place: **Villeneuve**
 Manufacturer: **BGD** S/N: **BG1230030A** 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	6600	6606	6	6452	6456	5	6578	6579	1	6696	6691	-5							7033	7046	12	
2	6536	6547	11	6390	6397	7	6438	6437	-1	6568	6566	-2							6794	6810	16	
3	6475	6485	10	6333	6336	3	6392	6387	-5	6514	6509	-5							6490	6506	16	
4	6501	6511	11	6355	6357	2	6398	6391	-7	6509	6503	-6							6429	6444	15	
5	6372	6385	13	6231	6231	0	6300	6298	-2	6389	6385	-4							6155	6192	38	
6	6323	6336	14	6189	6190	1	6242	6241	-1	6326	6320	-6							6003	6022	19	
7	6225	6234	9	6109	6110	1	6138	6138	0	6211	6207	-4							5892	5912	21	
8	6226	6237	11	6114	6115	1	6137	6135	-1	6198	6194	-3							5932	5972	40	
9	6025	6032	7	5973	5976	3	6067	6060	-7										5864	5901	36	
10	5983	5991	8	5917	5920	3	6006	6001	-5										5838	5856	18	
11	5906	5916	10	5836	5835	-1	5919	5925	6										5812	5858	46	
12	5901	5908	7	5825	5827	2	5885	5891	6										5863	5903	40	
13	5818	5826	7	5783	5784	1	5838	5838	1										6008	6051	43	
14	5810	5817	7	5791	5792	0	5845	5842	-3													
15	5740	5739	-1	5750	5744	-5	5872	5864	-8													
16	5745	5742	-3	5774	5768	-6	5882	5871	-11													
17																						
18																						

Stab line to riser: **B**

Number Cell: **52**

Weight of the glider [kg]: **3.60**

Tolerance [mm] ⁽⁴⁾: **±15**

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	530	356	n/a		A	501	327	
A'	527	417	n/a		A'	502	392	
B	526	413	n/a		B	497	384	
C	529	529	n/a		C	500	500	
D			n/a		D			
Acc	173.6	*[mm]			Acc	173.6	*[mm]	
Trimmer	n/a	[mm]			Trimmer	n/a	[mm]	

No. of risers **3+1**
 Tolerance [mm] **5**

Carabiner [mm] **29** **25**
 Tolerance [mm] **2**

*Travel range (distance between A and rear riser)

Acc system configuration max travel



Speed limiter **No**
 Another trim configuration **No**
 If yes (description):

Test Atmosphere AGL

Pressure [hPa] **971**
 Humidity [%] **71**
 Temperature [°C] **20**

Plausibility check :
 [mm] 500 **500**
 [mm] 10002 **10003**
 Remark:

Instrument validity date
 Laser distance meter **24.08.2028**
 Line measurements system **24.08.2028**

Uncertainty of instrument [mm] **2**

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]