



## Line and Riser measurements report for flight test glider

Report number: **PG\_1442.2019**  
 Manufacturer: **Niviuk Gliders**

Sample name: **Hook 5 20**  
 S/N: **NIH520V1**

### Total line length include riser and carabiner/connect [mm]

		A	B	C	D	E	Stab	Brakes
Center	1	6371	6270	6312	6421		5523	6425
	2	6315	6208	6260	6368		5528	6236
	3	6250	6204	6277	6382		5594	6158
	4	6173	6084	6133	6228			6097
	5	6108	6026	6088				5940
	6	5982	5936	6008				5877
	7	5901	5904	5991				5912
	8	5843	5899	6004				5869
	9	5620	5597					5744
	10							5644
Wing tip	11							5625
	12							
	13							
	14							
	15							
	16							
	17							
	18							

### Measure total riser length with no carabiners/connect [mm]

Risers	Std	Acc
A	468	339
A'	466	337
B	464	378
C	468	468
D		
Acc	130	*[mm]
Trimmer	n/a	[mm]

\*Travel range (distance between A and rear riser)



## Line and Riser measurements report for flight test glider

Report number: **PG\_1419.2018**  
 Manufacturer: **Niviuk**

Sample name: **Hook 5 22**  
 S/N: **NIPS10220181**

### Total line length include riser and carabiner/connect [mm]

		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Stab</b>	<b>Brakes</b>
Center	1	6659	6560	6608	6722		5814	6768
	2	6606	6502	6555	6666		5819	6568
	3	6535	6505	6590	6697		5891	6485
	4	6457	6384	6444	6543			6434
	5	6398	6319	6380				6270
	6	6266	6227	6297				6199
	7	6174	6194	6281				6241
	8	6117	6189	6298				6197
	9	5910	5888					6069
	10							5966
Wing tip	11							5951
	12							
	13							
	14							
	15							
	16							
	17							
	18							

### Measure total riser length with no carabiners/connect [mm]

Risers	Std	Acc
A	467	333
A'	467	333
B	466	378
C	468	468
D		
Acc	130	*[mm]
Trimmer	n/a	[mm]

\*Travel range (distance between A and rear riser)

## Line and Riser measurements report for flight test glider

Report number: **PG\_1420.2018**

Sample name: **Hook 5 24**

Manufacturer: **Niviuk**

S/N: **V8**

### Total line length include riser and carabiner/connect [mm]

		A	B	C	D	E	Stab	Brakes
Center	1	6954	6841	6907	7022		6084	7089
	2	6897	6784	6851	6966		6082	6880
	3	6833	6798	6887	6997		6161	6794
	4	6754	6671	6740	6837			6737
	5	6699	6608	6670				6568
	6	6563	6513	6590				6502
	7	6472	6473	6569				6544
	8	6410	6469	6586				6495
	9	6194	6166					6360
	10							6250
Wing tip	11							6244
	12							
	13							
	14							
	15							
	16							
	17							
	18							

### Measure total riser length with no carabiners/connect [mm]

Risers	Std	Acc
A	466	334
A'	467	335
B	464	376
C	465	465
D		
Acc	130	*[mm]
Trimmer	n/a	[mm]

\*Travel range (distance between A and rear riser)

## Line and Riser measurements report for flight test glider

Report number: **PG\_1421.2018**

Sample name: **Hook 5 26**

Manufacturer: **Niviuk**

S/N: **NIPS10220182**

### Total line length include riser and carabiner/connect [mm]

		A	B	C	D	E	Stab	Brakes
Center	1	7241	7124	7187	7312		6339	7397
	2	7185	7070	7137	7259		6339	7182
	3	7114	7078	7167	7280		6416	7096
	4	7039	6949	7011	7118			7035
	5	6971	6878	6943				6859
	6	6829	6782	6857				6783
	7	6735	6746	6835				6833
	8	6670	6747	6856				6785
	9	6441	6420					6648
	10							6535
Wing tip	11							6519
	12							
	13							
	14							
	15							
	16							
	17							
	18							

### Measure total riser length with no carabiners/connect [mm]

Risers	Std	Acc
A	467	311
A'	467	311
B	466	361
C	468	468
D		
Acc	160	*[mm]
Trimmer	n/a	[mm]

\*Travel range (distance between A and rear riser)



## Line and Riser measurements report for flight test glider

Report number: **PG\_1422.2018**  
 Manufacturer: **Niviuk**

Sample name: **Hook 5 28**  
 S/N: **NIH528V1**

### Total line length include riser and carabiner/connect [mm]

		A	B	C	D	E	Stab	Brakes
Center	1	7473	7361	7431	7559		6524	7677
	2	7422	7305	7378	7509		6528	7450
	3	7395	7351	7449	7569		6607	7364
	4	7306	7208	7288	7397			7299
	5	7243	7147	7218				7114
	6	7090	7047	7127				7041
	7	6997	7010	7108				7091
	8	6932	7008	7131				7045
	9	6655	6638					6903
	10							6782
Wing tip	11							6762
	12							
	13							
	14							
	15							
	16							
	17							
	18							

### Measure total riser length with no carabiners/connect [mm]

Risers	Std	Acc
A	465	314
A'	466	315
B	464	366
C	467	467
D		
Acc	150	*[mm]
Trimmer	n/a	[mm]

\*Travel range (distance between A and rear riser)



## Line and Riser measurements report for flight test glider

Report number: **PG\_1423.2018**  
 Manufacturer: **Niviuk**

Sample name: **Hook 5 31**  
 S/N: **NIH531V1**

### Total line length include riser and carabiner/connect [mm]

		A	B	C	D	E	Stab	Brakes
Center	1	7835	7705	7785	7920		6873	8033
	2	7780	7645	7732	7860		6875	7800
	3	7711	7656	7763	7888		6959	7710
	4	7625	7516	7595	7712			7642
	5	7563	7443	7528				7451
	6	7406	7334	7435				7380
	7	7309	7305	7415				7426
	8	7243	7304	7434				7372
	9	6990	6964					7224
	10							7115
Wing tip	11							7101
	12							
	13							
	14							
	15							
	16							
	17							
	18							

### Measure total riser length with no carabiners/connect [mm]

Risers	Std	Acc
A	467	314
A'	465	312
B	464	366
C	467	467
D		
Acc	150	*[mm]
Trimmer	n/a	[mm]

\*Travel range (distance between A and rear riser)