

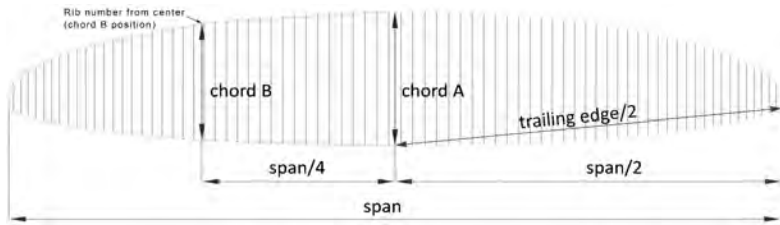
Measurement Report Template

CIVL CCC 2020 (Version 1.1)

Brand	FLOW	Size	L	Test laboratory Cert. #	n/a
Model	SPECTRA2	Serial #	SP21MRE2101029	Certification date	03/12/2021

Canopy dimensions

Position	Rib # from center	Distance [mm]	Tension [daN]	Manual tolerances	Aspect ratio 4*span / (chord A+2.5*Chord B)	Number cells	Scale factor
Full Span	110	14282	5	2%	7.87	111	1.16953
1/2 Trailing Edge	55	7270	5	1%			
Chord A	1	2309	1	1%			
Chord B	25	1980	1	1%			



Chord length, inlet position, tabs position measured from trailing edge.

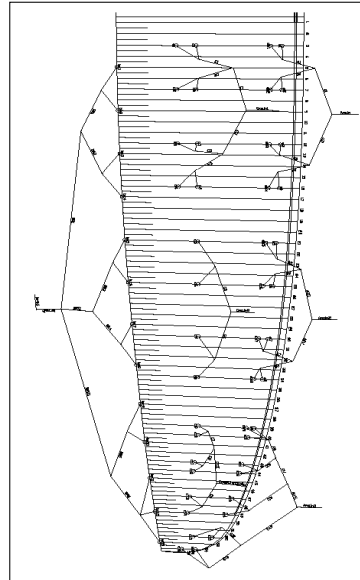
(The tab A & B & C can be on different rib, take care to specify it)

On first lined rib (from center)	Rib n° from center	Distance [mm]	Tension [daN]	Manual tolerances
Chord	3	2306	1	+/-10mm
Top of inlet	3	2213	5	+/-10mm
Bottom of inlet	3	2190	5	+/-10mm
Tab A*	3	2002	5	+/-10mm
Tab Ab*	3	1814	5	+/-10mm
Tab B*	3	978	5	+/-10mm
Tab C*	3	738	5	+/-10mm

On last lined rib of Group 2 (from center)	Rib n° from center	Distance [mm]	Tension [daN]	Manual tolerances
Chord	34	1687	1	+/-10mm
Top of inlet	34	1618	5	+/-10mm
Bottom of inlet	34	1602	5	+/-10mm
Tab Aa*	34	1459	5	+/-10mm
Tab Ab*	34	1312	5	+/-10mm
Tab B*	34	700	5	+/-10mm
Tab C*	34	n/a	5	+/-10mm

On last lined rib (stabilo, from center)	Rib n° from center	Distance [mm]	Tension [daN]	Manual tolerances
Chord	54	485	1	+/-10mm
Tab A*	54	408	5	+/-10mm
Tab B*	54	242	5	+/-10mm

*Bridle (tab) position measurement:
end of trailing edge to center bridle (tab)





Measurement Report Template
CIVL CCC 2020 (Version 1.0)

ABSOLUTE LINE LENGTH

Absolute line length from bottom riser to canopy in mm with 5daN of tension (Manual tolerances +/-10mm)
 For scaled sizes: lines are within +/-20mm of the initial size x scale factor

Number	A			A'			B		
	Manual	Glider	Delta	Manual	Glider	Delta	Manual	Glider	Delta
1	8283	8283	0	8240	8240	0	8298	8298	0
2	8147	8147	0	8101	8101	0	8143	8143	0
3	8109	8109	0	8066	8066	0	8080	8080	0
4	8186	8186	0	8143	8143	0	8111	8111	0
5	8081	8081	0	8047	8047	0	8077	8077	0
6	7919	7919	0	7886	7886	0	7920	7920	0
7	7821	7821	0	7790	7790	0	7825	7825	0
8	7842	7842	0	7812	7812	0	7846	7846	0
9	7572	7572	0	7545	7545	0	7621	7621	0
10	7519	7519	0				7573	7573	0
11	7433	7433	0				7474	7474	0
12	7429	7429	0				7462	7462	0
13	7375	7375	0				7411	7411	0
14	7397	7397	0				7419	7419	0
15	7311	7311	0				7346	7346	0
16	7357	7357	0				7403	7403	0

Number	C		
	Manual	Glider	Delta
1	8371	8371	0
2	8219	8219	0
3	8158	8158	0
4	8179	8179	0

Measurement Report Template CIVL CCC 2020 (Version 1.0)

Riser length

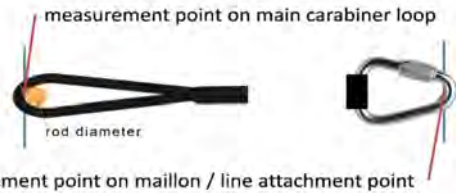
From bottom riser to top maillon on each branche in mm with 5daN (Manual tolerances +/-5mm)

Trimm speed setting	A1	A3	Stabi	B	Δt (= A1-B)	Attachment rod \varnothing (mm)
Manual	540	536	535	535	15	3
Glider	540	536	530	530	10	3

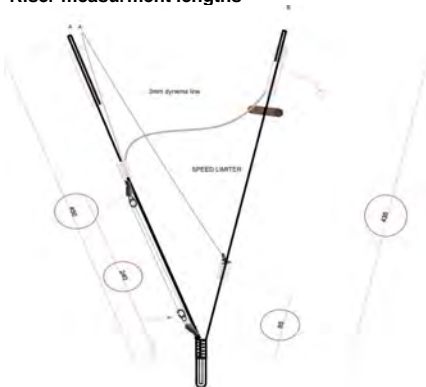
Full speed setting	Δa (=B-A1)	B-A3	Total speed range ($\Delta t + \Delta a$)
Manual	140	120	140
Glider	142	118	141

High speed setting	Δa (=B-A1)	Total high speed range > 100	
CCC	100	YES	100
Glider	102	YES	103

Riser measurement points



Riser measurement lengths



Riser drawing (manufacturer)





Measurement Report Template
 CIVL CCC 2020 (Version 1.0)

Table of line materials										
Upper										
	A		AB		B		C		BR	
1	Elderid	8000-090	Elderid	8000-090	Elderid	8000-050	Elderid	8000-050	Elderid	8000-025
2	Elderid	8000-070	Elderid	8000-050	Elderid		Elderid		Elderid	
3	Elderid		Elderid		Elderid		Elderid			
4	Elderid	8000-090	Elderid	8000-090	Elderid		Elderid		Elderid	
5	Elderid	8000-090	Elderid	8000-050	Elderid		Elderid	Elderid		
6	Elderid	8000-070	Elderid		Elderid		Elderid	Elderid		
7	Elderid		Elderid		Elderid		Elderid	Elderid		
8	Elderid	8000-090	Elderid		Elderid		Elderid	Elderid		
9	Elderid	8000-050			Elderid		Elderid	Elderid	Elderid	
10	Elderid				Elderid		Elderid	Elderid		
11	Elderid				Elderid		Elderid	Elderid		
12	Elderid				Elderid		Elderid	Elderid		
13	Elderid			Elderid	Elderid		Elderid			
14	Elderid			Elderid	Elderid		Elderid			
15	Elderid	8000-025		Elderid	8000-025		Elderid			
16	Elderid			Elderid						
H/middle										
	A		B		BR H/Middle					
1	Elderid	8000-130		Elderid	8000-090		Elderid	8000-025	Elderid	
2	Elderid			Elderid			Elderid		Elderid	
3	Elderid			Elderid			Elderid		Elderid	
4	Elderid			Elderid			Elderid		Elderid	
5	Elderid	8000-090		Elderid	8000-050		Elderid	Elderid		
6	Elderid			Elderid			Elderid	Elderid		
7	Elderid			Elderid			Elderid	Elderid		
8	Elderid			Elderid			Elderid	Elderid		
9	Elderid	8000-050	Elderid		Elderid					
10	Elderid		Elderid		Elderid					
11	Elderid		Elderid		Elderid					
12	Elderid	8000-025	Elderid		Elderid					
13	Elderid		Elderid		Elderid					
Middle										
	A		B		BR L/Middle					
1	Elderid	8000-190		Elderid	8000-130		Elderid	8000-050	Elderid	
2	Elderid			Elderid			Elderid		Elderid	
3	Elderid			Elderid			Elderid		Elderid	
4	Elderid			8000-130	Elderid		8000-090	Elderid		
5	Elderid				Elderid		8000-050	Elderid		
6	Elderid			8000-130	Elderid			Elderid		
7	Elderid			8000-050	Elderid			Elderid		
L/Middle										
	A		B		BR L/Middle					
1				Elderid	PPSL-160					
Main										
	A		B		BR H/Main					
1	Elderid	8000-360		Elderid	8000-190		Elderid	8000-190		
2	Elderid			Elderid	8000-190		Elderid	8000-190		
3	Elderid	8000-190		Elderid	8000-130		Elderid	10N-200		

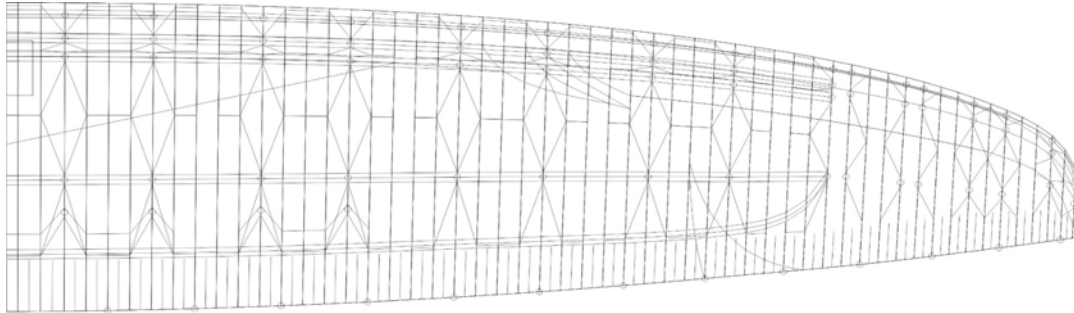
Upper and lower line loop reinforcement:

Measurement Report Template

CIVL CCC 2020 (Version 1.0)

Drawings and pictures

Diagonals, Hstraps and Mini Ribs (top view)



Diagonals (Front view)



Vent (Inlet) shape

