

Name: **Guru**
 Size: **SM**
 Maximum load (kg): **105**
 Serial Number: **XP90SM03148A8081**

Place: **UP-International workshop**
 Date of measurement: **18.01.2019**

Manufacture name: **UP-International GmbH**
 Representative: **Frantisek Pavousek – head R&D**
 Street: **Kreuzeckbahnstrasse 7**
 Place: **Garmisch-Partenkirchen**
 Country: **Germany**

Canopy dimensions

	Rib nb from Center	Measure mm:	Tension:	Tolerances (%):
Full Span:		12999	5daN	2
½ Trailing Edge		6629	5daN	1
Chord A	1	2156	1daN	1
Chord B	21	1902	1daN	1

Aspect ratio: - 4*Span / (Chord A + 2.5* Chord B)
7.52

number of cells
98

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

First fully lined Rib of group 1 (from center)

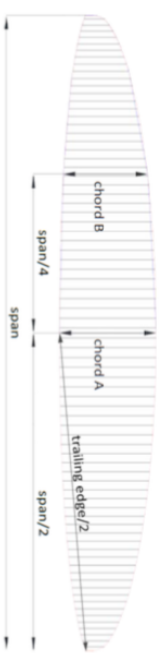
	Rib n	Distance	Tension	Tolerances
Chord:	1	2219	1daN	+/-10mm
Top of Inlet:	1	2152	5daN	+/-10mm
Bottom of Inlet:	1	2118	5daN	+/-10mm
Tab Aa:	2	1939	5daN	+/-10mm
Tab Ab:	2	1799	5daN	+/-10mm
Tab B:	2	960	5daN	+/-10mm
Tab C:	2	716	5daN	+/-10mm

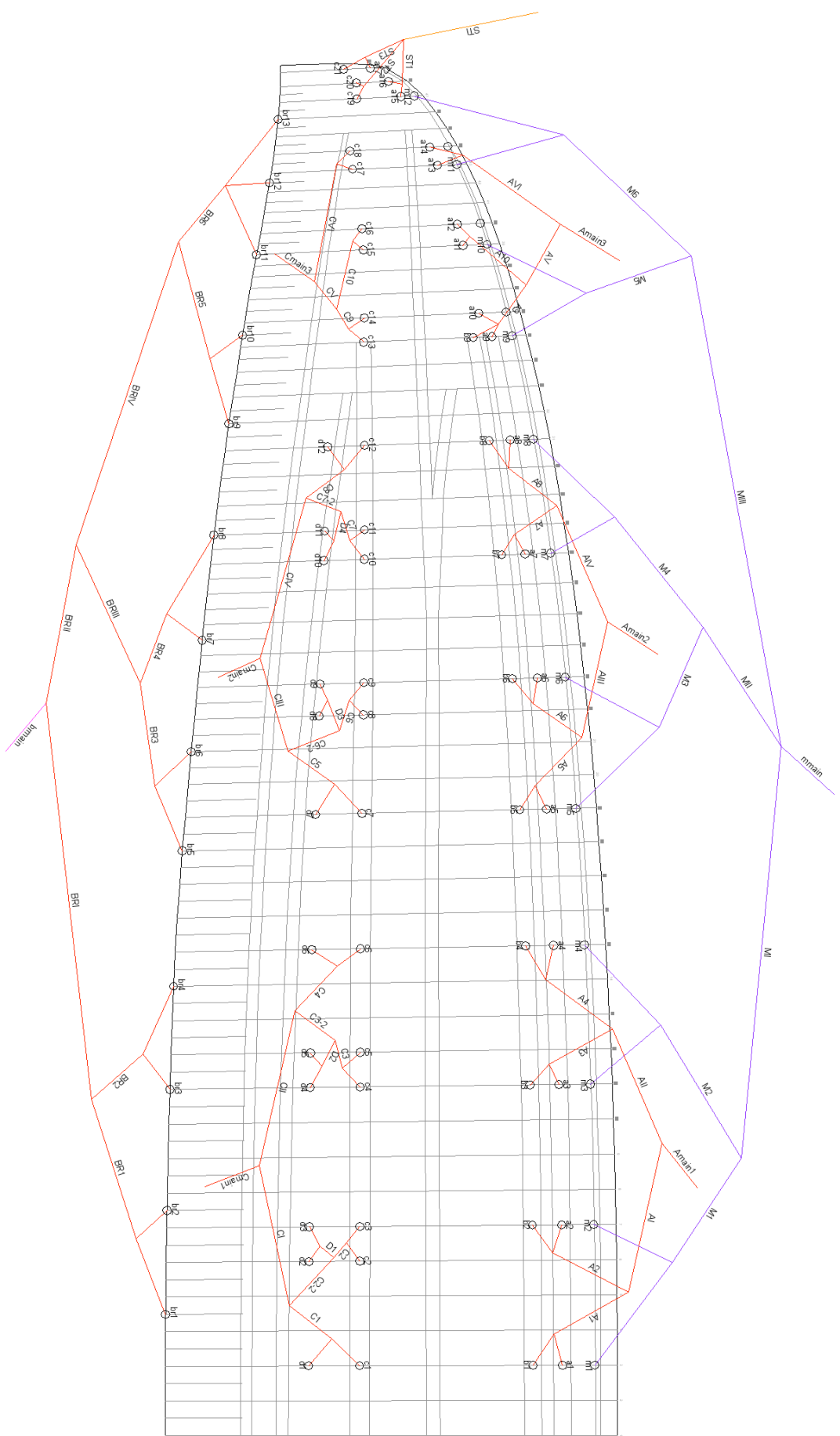
First fully lined Rib of group 1 (from center)

	Rib number	Distance	Tension	Tolerances
Chord:	1	1958	1daN	+/-10mm
Top of Inlet:	1	1895	5daN	+/-10mm
Bottom of Inlet:	1	1867	5daN	+/-10mm
Tab Aa:	2	1709	5daN	+/-10mm
Tab Ab:	2	1586	5daN	+/-10mm
Tab B:	2	845	5daN	+/-10mm
Tab C:	2	630	5daN	+/-10mm

First fully lined Rib of group 1 (from center)

	Rib n.	Distance	Tension	Tolerances
Chord:	1	492	1daN	+/-10mm
Tab A:	1	435	5daN	+/-10mm
Tab B:	1	311	5daN	+/-10mm





PG Measurement report Measurement of flight test sample

Serial number: **XD90SM03116A8081** Sample name: **GURU SM**
 Manufacturer: **UP-International GmbH**

Execution date: **18.01.2019**
 Responsible: **Michal Snieberg**

Execution place: **UP**

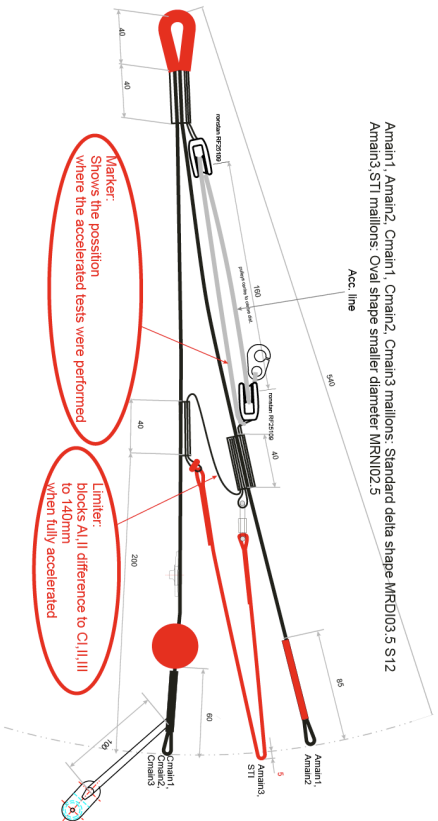
Canopy dimension report

Total length with rizer (mm) main brake lines diff color than A,B,C main line? **Yes**

A				B				C				D				Folding lines	
Manual	Sample left side	Diff		Manual	Sample	Diff		Manual	Sample	Diff		Manual	Sample	Diff	Sample	Diff	
1	7975	7983	8	7943	7960	7	7916	7922	7984	7982	-2	7984	7982	8334			
2	7849	7853	4	7814	7820	6	7816	7819	7889	7896	7	7889	7896	8190			
3	7813	7812	-1	7775	7780	5	7800	7805	7876	7879	3	7876	7879	8130			
4	7882	7858	6	7821	7827	6	7762	7766	7840	7842	2	7840	7842	8156			
5	7741	7743	2	7719	7719	0	7764	7770	7842	7844	2	7842	7844	7920			
6	7602	7609	7	7581	7581	0	7821	7819	7891	7897	6	7891	7897	7765			
7	7534	7541	7	7513	7515	2	7713	7716	7786	7789	3	7786	7789	7674			
8	7574	7579	5	7560	7561	1	7584	7588	7660	7663	3	7660	7663	7671			
9	7342	7340	-2	7324	7321	-3	7568	7569	7642	7643	1	7642	7643	7449			
10	7286	7284	-2				7506	7514	7579	7585	6	7579	7585	7320			
11	7190	7187	-3				7500	7507	7570	7579	9	7570	7579	7207			
12	7181	7178	-3				7543	7552	7600	7607	7	7600	7607	7185			
13	7117	7111	-6				7352	7355			3						
14	7116	7114	-2				7314	7318			4						
15	6990	6993	3				7230	7237			7						
16	6985	6988	3				7223	7225			2						
17	6981	6981	0				7168	7172			4						
18							7164	7171			7						
19							7007	7016			9						
20							6997	7002			5						
21							7014	7020			6						

Total length rizer (with carabines)				Total length without carabines			
Rizers	trim	accelerated		Rizers	trim	accelerated	
A	540	400		A	515	375	
AllI	540	470		AllI	520	450	
B	540	540		B	540	540	
Acc	140			Acc	140		
Trimmer	n/a			Trimmer	n/a		

Number of rizers	3	Stable line attached to rizers:	Amanis Touch
Tolerance (mm)	5	Speed system configuration max travel in flight:	
Carabiner (mm)	25		
Tolerance (mm)	2		



Amanis1, Amanis2, Chain1, Chain2, Chain3 mailions. Standard delta shape MRD103.5 S12 Amanis STI mailions. Oval shape smaller diameter MRN102.5