

TARGET

Technical *specifications*



PIVIUK BEYOND
THE GLIDE

TECHNICAL SPECIFICATIONS

			20	22	24	26	28	30
Cells	Number		34	34	34	34	34	34
Aspect ratio	Flat		4,75	4,75	4,75	4,75	4,75	4,75
	Projected		3,83	3,83	3,83	3,83	3,83	3,83
Area	Flat	m2	20	22	24	26	28	30
	Projected	m2	17,58	19,34	21,09	22,85	24,61	26,37
Span	Flat	m	9,75	10,22	10,68	11,22	11,53	11,94
Chord	Max	m	2,52	2,65	2,76	2,90	2,98	3,09
Lines	Total	m	243	255	267	281	289	299
	Main		2+1/3/2	2+1/3/2	2+1/3/2	2+1/3/2	2+1/3/2	2+1/3/2
Risers	Number	3+1	A+A' /B/C	A+A' /B/C	A+A' /B/C	A+A' /B/C	A+A' /B/C	A+A' /B/C
	Speed-bar	mm	130	130	130	130	130	130
Glider weight		kg	3,58	3,82	4,04	4,34	4,56	4,88
Total weight in flight	Min-Max	kg	40-75	55-85	65-95	75-105	90-120	105-135
Certification			EN/LTF A	EN/LTF A	EN/LTF A	EN/LTF A	EN/LTF A	EN/LTF A

The total weight of the wing may differ ±2% due to variations in the weight of the fabric supplied by the manufacturers.

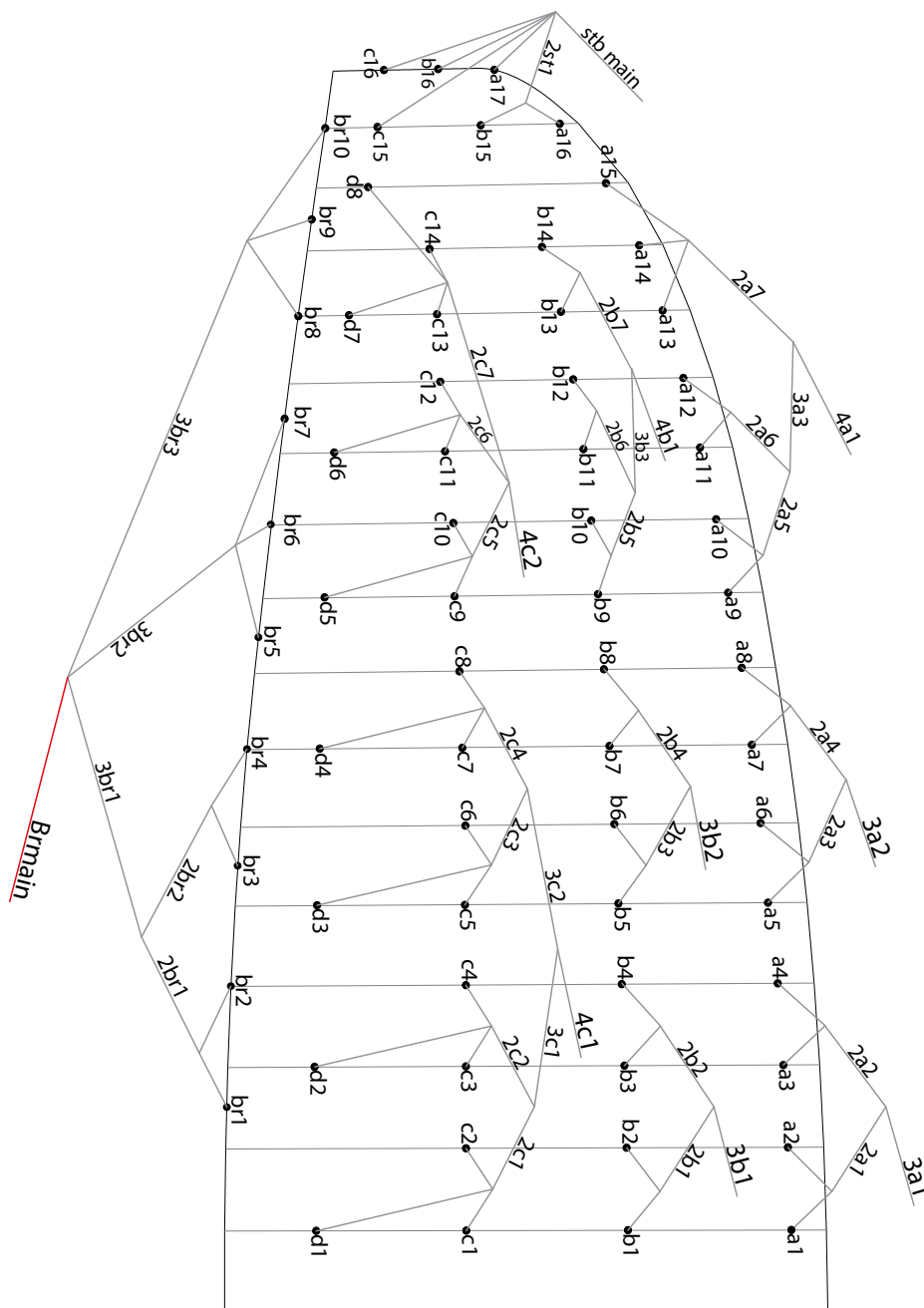
MATERIALS

CANOPY	FABRIC CODE	SUPPLIER
UPPER SURFACE	N30 DMF	DOMINICO TEX CO (KOREA)
BOTTOM SURFACE	N20 DMF	DOMINICO TEX CO (KOREA)
PROFILES	30DFM	DOMINICO TEX CO (KOREA)
DIAGONALS	30DFM	DOMINICO TEX CO (KOREA)
LOOPS	LKI - 12	KOLON IND. (KOREA)
REINFORCEMENT LOOPS	W-420	D-P (GERMANY)
TRAILING EDGE REINFORCEMENT	MYLAR	D-P (GERMANY)
RIBS REINFORCEMNET	LTN-0.5/0.8 STICK	SPORTWARE CO.CHINA
THREAD	SERAFIL 60	AMAN (GERMANY)

SUSPENSION LINES	FABRIC CODE	SUPPLIER
UPPER CASCADES	TNL - 80	TEIJIM LIMITED (JAPAN)
MIDDLE CASCADES	TNL - 80	TEIJIM LIMITED (JAPAN)
MIDDLE CASCADES	TNL - 140	TEIJIM LIMITED (JAPAN)
MIDDLE CASCADES	TNL - 220	TEIJIM LIMITED (JAPAN)
MAIN	TNL - 140	TEIJIM LIMITED (JAPAN)
MAIN	TNL - 220	TEIJIM LIMITED (JAPAN)
MAIN	TNL - 280	TEIJIM LIMITED (JAPAN)
MAIN	TNL - 400	TEIJIM LIMITED (JAPAN)
MAIN BREAK	TARAX-200	EDELRID (GERMANY)
THREAD	SERAFIL 60	AMAN (GERMANY)

RISERS	FABRIC CODE	SUPPLIER
MATERIAL	G-R 19	TECNI SANGLES (FRANCE)
COLOR INDICATOR	210D	TECNI SANGLES (FRANCE)
THREAD	V138	COATS (ENGLAND)
MAILLONS	MRI4	ANSUNG PRECISION (KOREA)

LINE PLAN



LINE REPLACEMENT

The use of new high performance materials in modern wings is now common. The advantages of using these materials in terms of performance are widely acknowledged as part of our sport's evolution. However, along with those technological advances come additional responsibilities which cannot be avoided. As a result, line inspection and replacement must be carried out more frequently. That increased frequency appears to be encouraging some pilots to try to perform line replacement themselves.

WE STRONGLY RECOMMEND ANY LINE REPLACEMENT IS PERFORMED BY AN AUTHORISED SPECIALIST ONLY.

Ultimately, if the pilot decides to perform any line replacement without professional oversight they therefore assume all responsibility. In this case, these guidelines will have to be followed.

BEFORE REMOVING ANY LINES, CHECK:

- That the line plan is correct according to the glider model and size.
- That the line kit is complete and correct.
- Never assume but always check each individual line for the correct specification.

AFTER CONFIRMING THAT ALL LINES ARE CORRECT:

- Fit the new line(s) WITHOUT removing the label.
- Once replaced, measure each line length to confirm the correct measurement.
- Inflate the wing to check for any irregularities.
- The line labels may then be removed but NOT BEFORE completion of the line replacement.

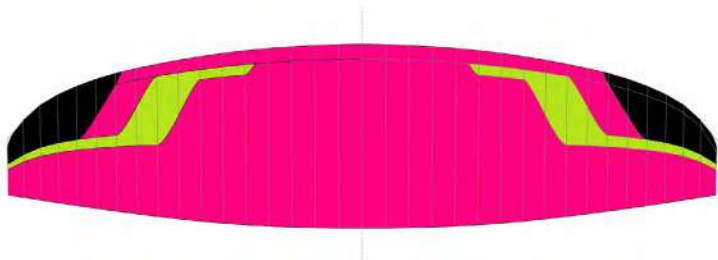
Niviuk strongly recommends for any line replacement to be carried out by an authorised professional only, and will not accept responsibility for any damage or injury caused as a result of incorrect re-assembly.

RISER PLAN

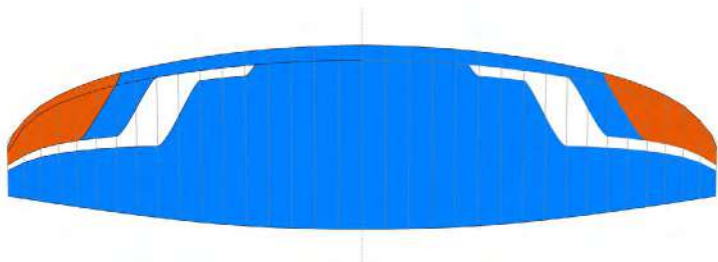
A	A'	B	C
3a1	3a3	3b1	4c1
3a2		3b2	4c2
		3b3	
		stb main	



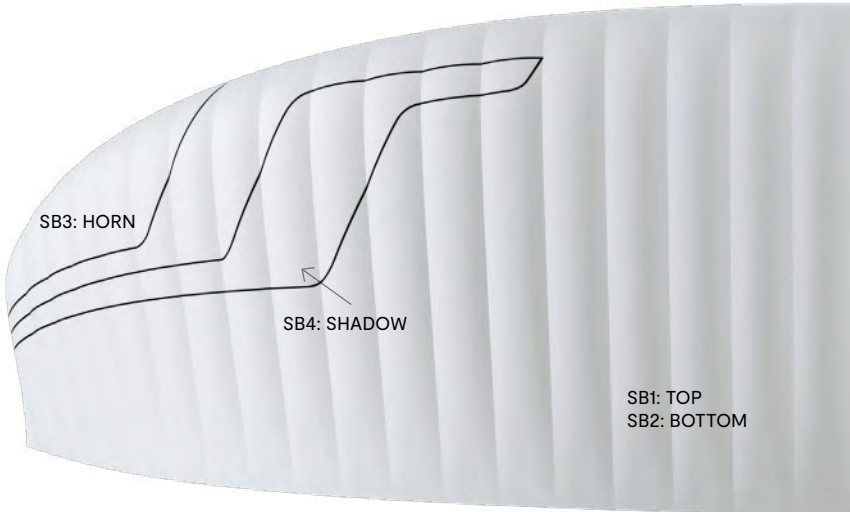
COLORS



TROPIK	SB1	PINK	TOP	REF: 19-2047
	SB2	WHITE	BOTTOM - ALL WHITE	REF: 001
	SB3	BLACK	HORN	REF: 102
	SB4	LIMA	SHADOW	REF: 500



SKYFIRE	SB1	ROYAL BLUE	TOP	REF: 317
	SB2	WHITE	BOTTOM - ALL WHITE	REF: 001
	SB3	DARK BRICK	HORN	REF: 137
	SB4	WHITE	SHADOW	REF: 001



WING LOAD

TARGET

20			22			24			26			28			30		
P.T.V.		KG/M2	P.T.V.		KG/M2	P.T.V.		KG/M2	P.T.V.		KG/M2	P.T.V.		KG/M2	P.T.V.		KG/M2
40	=	2,00	55	=	2,50	65	=	2,71	75	=	2,88	90	=	3,21	105	=	3,50
45	=	2,25	60	=	2,73	70	=	2,92	80	=	3,08	95	=	3,39	110	=	3,67
50	=	2,50	65	=	2,95	75	=	3,13	85	=	3,27	100	=	3,57	115	=	3,83
55	=	2,75	70	=	3,18	80	=	3,33	90	=	3,46	105	=	3,75	120	=	4,00
60	=	3,00	75	=	3,41	85	=	3,54	95	=	3,65	110	=	3,93	125	=	4,17
65	=	3,25	80	=	3,64	90	=	3,75	100	=	3,85	115	=	4,11	130	=	4,33
70	=	3,50	85	=	3,86	95	=	3,96	105	=	4,04	120	=	4,29	135	=	4,50
75	=	3,75															

LINES

TARGET 20

REF.	MAT.	kg	COLOR	mm	REF.	MAT.	kg	COLOR	mm	REF.	MAT.	kg	COLOR	mm	REF.	MAT.	kg	COLOR	mm	REF.	MAT.	kg	COLOR	mm										
A					B					C					D					BRAKE														
a1	TNL	80	GREEN	837	b1	TNL	80	BLUE	827	c1	TNL	80	BLUE	800	d1	TNL	80	BLUE	919	br1	TNL	80	RED	881										
a2	TNL	80	GREEN	771	b2	TNL	80	BLUE	763	c2	TNL	80	BLUE	686	d2	TNL	80	BLUE	922	br2	TNL	80	RED	661										
a3	TNL	80	GREEN	770	b3	TNL	80	BLUE	763	c3	TNL	80	BLUE	791	d3	TNL	80	BLUE	896	br3	TNL	80	RED	661										
a4	TNL	80	GREEN	808	b4	TNL	80	BLUE	802	c4	TNL	80	BLUE	822	d4	TNL	80	BLUE	833	br4	TNL	80	RED	680										
a5	TNL	80	GREEN	787	b5	TNL	80	BLUE	770	c5	TNL	80	BLUE	771	d5	TNL	80	BLUE	844	br5	TNL	80	RED	1259										
a6	TNL	80	GREEN	736	b6	TNL	80	BLUE	723	c6	TNL	80	BLUE	768	d6	TNL	80	BLUE	759	br6	TNL	80	RED	1197										
a7	TNL	80	GREEN	735	b7	TNL	80	BLUE	722	c7	TNL	80	BLUE	708	d7	TNL	80	BLUE	993	br7	TNL	80	RED	1240										
a8	TNL	80	GREEN	764	b8	TNL	80	BLUE	755	c8	TNL	80	BLUE	821	d8	TNL	80	BLUE	954	br8	TNL	80	RED	1056										
a9	TNL	80	GREEN	672	b9	TNL	80	BLUE	659	c9	TNL	80	BLUE	727						br9	TNL	80	RED	973										
a10	TNL	80	GREEN	586	b10	TNL	80	BLUE	584	c10	TNL	80	BLUE	679						br10	TNL	80	RED	789										
a11	TNL	80	GREEN	636	b11	TNL	80	BLUE	613	c11	TNL	80	BLUE	659																				
a12	TNL	80	GREEN	628	b12	TNL	80	BLUE	613	c12	TNL	80	BLUE	647																				
a13	TNL	80	GREEN	1246	b13	TNL	80	BLUE	589	c13	TNL	80	BLUE	920																				
a14	TNL	80	GREEN	1192	b14	TNL	80	BLUE	580	c14	TNL	80	BLUE	902																				
a15	TNL	80	GREEN	1177	b15	TNL	80	BLUE	559	c15	TNL	80	BLUE	1.182																				
a16	TNL	80	GREEN	592	b16	TNL	80	BLUE	1.088	c16	TNL	80	BLUE	1157																				
a17	TNL	80	GREEN	1066																														
2a1	TNL	140	GREEN	787	2b1	TNL	140	BLUE	778	2c1	TNL	140	BLUE	466						2br1	TNL	80	RED	725										
2a2	TNL	140	GREEN	773	2b2	TNL	140	BLUE	766	2c2	TNL	140	BLUE	302						2br2	TNL	80	RED	629										
2a3	TNL	140	GREEN	745	2b3	TNL	140	BLUE	731	2c3	TNL	80	BLUE	293						3br2	TNL	80	RED	1689										
2a4	TNL	140	GREEN	735	2b4	TNL	140	BLUE	724	2c4	TNL	80	BLUE	406						3br3	TNL	80	RED	1891										
2a5	TNL	140	GREEN	818	2b5	TNL	140	BLUE	825	2c5	TNL	80	BLUE	1554						3br1	TNL	80	RED	1761										
2a6	TNL	140	GREEN	720	2b6	TNL	80	BLUE	758	2c6	TNL	80	BLUE	1522																				
2a7	TNL	140	GREEN	1404	2b7	TNL	80	BLUE	1626	2C7	TNL	80	BLUE	1229																				
3a3	TNL	140	GREEN	1354	3b3	TNL	140	BLUE	876	3C1	TNL	220	BLUE	1171																				
					2st1	TNL	80	BLUE	556	3C2	TNL	220	BLUE	1215																				
					stb main	TNL	80	RED	4061																									
3a1	TNL	280	GREEN	4000	3b1	TNL	220	BLUE	3924	4c1	TNL	400	BLUE	3259																				
3a2	TNL	280	GREEN	4043	3b2	TNL	220	BLUE	3989	4c2	TNL	140	BLUE	3249																				
4a1	TNL	220	GREEN	2725	4b1	TNL	140	BLUE	3128																									
																				BRMAIN					TARAX	200	RED	3083						
																				KNOT POINT:					2883									

LINES

TARGET 22

REF.	MAT.	kg	COLOR	mm
A				
a1	TNL	80	GREEN	877
a2	TNL	80	GREEN	808
a3	TNL	80	GREEN	808
a4	TNL	80	GREEN	846
a5	TNL	80	GREEN	827
a6	TNL	80	GREEN	771
a7	TNL	80	GREEN	771
a8	TNL	80	GREEN	798
a9	TNL	80	GREEN	703
a10	TNL	80	GREEN	609
a11	TNL	80	GREEN	669
a12	TNL	80	GREEN	656
a13	TNL	80	GREEN	1309
a14	TNL	80	GREEN	1251
a15	TNL	80	GREEN	1236
a16	TNL	80	GREEN	621
a17	TNL	80	GREEN	1119
2a1	TNL	140	GREEN	825
2a2	TNL	140	GREEN	810
2a3	TNL	140	GREEN	782
2a4	TNL	140	GREEN	769
2a5	TNL	140	GREEN	866
2a6	TNL	140	GREEN	752
2a7	TNL	140	GREEN	1461
3a3	TNL	140	GREEN	1422
3a1	TNL	280	GREEN	4218
3a2	TNL	280	GREEN	4257
4a1	TNL	220	GREEN	2857
REF.	MAT.	kg	COLOR	mm
B				
b1	TNL	80	BLUE	867
b2	TNL	80	BLUE	800
b3	TNL	80	BLUE	799
b4	TNL	80	BLUE	840
b5	TNL	80	BLUE	810
b6	TNL	80	BLUE	757
b7	TNL	80	BLUE	757
b8	TNL	80	BLUE	788
b9	TNL	80	BLUE	691
b10	TNL	80	BLUE	608
b11	TNL	80	BLUE	645
b12	TNL	80	BLUE	641
b13	TNL	80	BLUE	620
b14	TNL	80	BLUE	610
b15	TNL	80	BLUE	585
b16	TNL	80	BLUE	1142
2b1	TNL	140	BLUE	816
2b2	TNL	140	BLUE	803
2b3	TNL	140	BLUE	767
2b4	TNL	140	BLUE	757
2b5	TNL	140	BLUE	869
2b6	TNL	80	BLUE	787
2b7	TNL	80	BLUE	1696
3b3	TNL	140	BLUE	926
2st1	TNL	80	BLUE	583
stb main	TNL	80	RED	4253
3b1	TNL	220	BLUE	4138
3b2	TNL	220	BLUE	4201
4b1	TNL	140	BLUE	3278
REF.	MAT.	kg	COLOR	mm
C				
c1	TNL	80	BLUE	839
c2	TNL	80	BLUE	720
c3	TNL	80	BLUE	830
c4	TNL	80	BLUE	861
c5	TNL	80	BLUE	809
c6	TNL	80	BLUE	804
c7	TNL	80	BLUE	743
c8	TNL	80	BLUE	859
c9	TNL	80	BLUE	762
c10	TNL	80	BLUE	707
c11	TNL	80	BLUE	692
c12	TNL	80	BLUE	673
c13	TNL	80	BLUE	967
c14	TNL	80	BLUE	947
c15	TNL	80	BLUE	1.239
c16	TNL	80	BLUE	1215
2c1	TNL	140	BLUE	488
2c2	TNL	140	BLUE	316
2c3	TNL	80	BLUE	311
2c4	TNL	80	BLUE	423
2c5	TNL	80	BLUE	1639
2c6	TNL	80	BLUE	1596
2C7	TNL	80	BLUE	1277
3C1	TNL	220	BLUE	1231
3C2	TNL	220	BLUE	1269
4c1	TNL	400	BLUE	3439
4c2	TNL	140	BLUE	3409
REF.	MAT.	kg	COLOR	mm
D				
d1	TNL	80	BLUE	964
d2	TNL	80	BLUE	967
d3	TNL	80	BLUE	939
d4	TNL	80	BLUE	875
d5	TNL	80	BLUE	884
d6	TNL	80	BLUE	797
d7	TNL	80	BLUE	1045
d8	TNL	80	BLUE	1002
REF.	MAT.	kg	COLOR	mm
BRAKE				
br1	TNL	80	RED	925
br2	TNL	80	RED	694
br3	TNL	80	RED	693
br4	TNL	80	RED	710
br5	TNL	80	RED	1326
br6	TNL	80	RED	1255
br7	TNL	80	RED	1293
br8	TNL	80	RED	1108
br9	TNL	80	RED	1019
br10	TNL	80	RED	837
2br1	TNL	80	RED	761
2br2	TNL	80	RED	659
3br2	TNL	80	RED	1768
3br3	TNL	80	RED	1968
3br1	TNL	80	RED	1859

LINES

TARGET 24

REF.	MAT.	kg	COLOR	mm
A				
a1	TNL	80	GREEN	917
a2	TNL	80	GREEN	843
a3	TNL	80	GREEN	843
a4	TNL	80	GREEN	877
a5	TNL	80	GREEN	870
a6	TNL	80	GREEN	805
a7	TNL	80	GREEN	804
a8	TNL	80	GREEN	827
a9	TNL	80	GREEN	734
a10	TNL	80	GREEN	632
a11	TNL	80	GREEN	702
a12	TNL	80	GREEN	685
a13	TNL	80	GREEN	1371
a14	TNL	80	GREEN	1319
a15	TNL	80	GREEN	1317
a16	TNL	80	GREEN	641
a17	TNL	80	GREEN	1176
2a1	TNL	140	GREEN	862
2a2	TNL	140	GREEN	842
2a3	TNL	140	GREEN	820
2a4	TNL	140	GREEN	799
2a5	TNL	140	GREEN	917
2a6	TNL	140	GREEN	786
2a7	TNL	140	GREEN	1529
3a3	TNL	140	GREEN	1491
3a1	TNL	280	GREEN	4425
3a2	TNL	280	GREEN	4439
4a1	TNL	220	GREEN	2943
B				
b1	TNL	80	BLUE	905
b2	TNL	80	BLUE	833
b3	TNL	80	BLUE	833
b4	TNL	80	BLUE	870
b5	TNL	80	BLUE	852
b6	TNL	80	BLUE	791
b7	TNL	80	BLUE	790
b8	TNL	80	BLUE	817
b9	TNL	80	BLUE	721
b10	TNL	80	BLUE	630
b11	TNL	80	BLUE	678
b12	TNL	80	BLUE	670
b13	TNL	80	BLUE	652
b14	TNL	80	BLUE	649
b15	TNL	80	BLUE	603
b16	TNL	80	BLUE	1201
2b1	TNL	140	BLUE	851
2b2	TNL	140	BLUE	834
2b3	TNL	140	BLUE	804
2b4	TNL	140	BLUE	788
2b5	TNL	140	BLUE	913
2b6	TNL	80	BLUE	814
2b7	TNL	80	BLUE	1776
3b3	TNL	140	BLUE	982
2st1	TNL	80	BLUE	601
stb main	TNL	80	RED	4463
3b1	TNL	220	BLUE	4343
3b2	TNL	220	BLUE	4379
4b1	TNL	140	BLUE	3382
C				
c1	TNL	80	BLUE	875
c2	TNL	80	BLUE	749
c3	TNL	80	BLUE	867
c4	TNL	80	BLUE	893
c5	TNL	80	BLUE	845
c6	TNL	80	BLUE	833
c7	TNL	80	BLUE	779
c8	TNL	80	BLUE	894
c9	TNL	80	BLUE	795
c10	TNL	80	BLUE	733
c11	TNL	80	BLUE	723
c12	TNL	80	BLUE	700
c13	TNL	80	BLUE	1002
c14	TNL	80	BLUE	990
c15	TNL	80	BLUE	1.281
c16	TNL	80	BLUE	1277
2c1	TNL	140	BLUE	510
2c2	TNL	140	BLUE	323
2c3	TNL	80	BLUE	337
2c4	TNL	80	BLUE	439
2c5	TNL	80	BLUE	1723
2c6	TNL	80	BLUE	1669
2C7	TNL	80	BLUE	1341
3C1	TNL	220	BLUE	1300
3C2	TNL	220	BLUE	1308
4c1	TNL	400	BLUE	3598
4c2	TNL	140	BLUE	3528
D				
d1	TNL	80	BLUE	1005
d2	TNL	80	BLUE	1009
d3	TNL	80	BLUE	981
d4	TNL	80	BLUE	917
d5	TNL	80	BLUE	923
d6	TNL	80	BLUE	833
d7	TNL	80	BLUE	1085
d8	TNL	80	BLUE	1062
BRAKE				
br1	TNL	80	RED	971
br2	TNL	80	RED	724
br3	TNL	80	RED	723
br4	TNL	80	RED	731
br5	TNL	80	RED	1390
br6	TNL	80	RED	1310
br7	TNL	80	RED	1344
br8	TNL	80	RED	1136
br9	TNL	80	RED	1060
br10	TNL	80	RED	905

LINES

TARGET 26

REF.	MAT.	kg	COLOR	mm
A				
a1	TNL	80	GREEN	954
a2	TNL	80	GREEN	878
a3	TNL	80	GREEN	877
a4	TNL	80	GREEN	914
a5	TNL	80	GREEN	905
a6	TNL	80	GREEN	838
a7	TNL	80	GREEN	837
a8	TNL	80	GREEN	861
a9	TNL	80	GREEN	764
a10	TNL	80	GREEN	658
a11	TNL	80	GREEN	730
a12	TNL	80	GREEN	713
a13	TNL	80	GREEN	1427
a14	TNL	80	GREEN	1372
a15	TNL	80	GREEN	1371
a16	TNL	80	GREEN	667
a17	TNL	80	GREEN	1224
2a1	TNL	140	GREEN	897
2a2	TNL	140	GREEN	877
2a3	TNL	140	GREEN	853
2a4	TNL	140	GREEN	832
2a5	TNL	140	GREEN	954
2a6	TNL	140	GREEN	819
2a7	TNL	140	GREEN	1592
3a3	TNL	140	GREEN	1551
3a1	TNL	280	GREEN	4626
3a2	TNL	280	GREEN	4643
4a1	TNL	220	GREEN	3089
B				
b1	TNL	80	BLUE	941
b2	TNL	80	BLUE	868
b3	TNL	80	BLUE	867
b4	TNL	80	BLUE	906
b5	TNL	80	BLUE	886
b6	TNL	80	BLUE	823
b7	TNL	80	BLUE	823
b8	TNL	80	BLUE	851
b9	TNL	80	BLUE	751
b10	TNL	80	BLUE	656
b11	TNL	80	BLUE	706
b12	TNL	80	BLUE	697
b13	TNL	80	BLUE	678
b14	TNL	80	BLUE	675
b15	TNL	80	BLUE	628
b16	TNL	80	BLUE	1250
2b1	TNL	140	BLUE	886
2b2	TNL	140	BLUE	869
2b3	TNL	140	BLUE	837
2b4	TNL	140	BLUE	820
2b5	TNL	140	BLUE	950
2b6	TNL	80	BLUE	848
2b7	TNL	80	BLUE	1849
3b3	TNL	140	BLUE	1021
2st1	TNL	80	BLUE	625
stb main	TNL	80	RED	4672
3b1	TNL	220	BLUE	4540
3b2	TNL	220	BLUE	4581
4b1	TNL	140	BLUE	3545
C				
c1	TNL	80	BLUE	910
c2	TNL	80	BLUE	780
c3	TNL	80	BLUE	902
c4	TNL	80	BLUE	931
c5	TNL	80	BLUE	880
c6	TNL	80	BLUE	868
c7	TNL	80	BLUE	810
c8	TNL	80	BLUE	931
c9	TNL	80	BLUE	827
c10	TNL	80	BLUE	763
c11	TNL	80	BLUE	753
c12	TNL	80	BLUE	729
c13	TNL	80	BLUE	1043
c14	TNL	80	BLUE	1030
c15	TNL	80	BLUE	1.333
c16	TNL	80	BLUE	1329
2c1	TNL	140	BLUE	530
2c2	TNL	140	BLUE	338
2c3	TNL	80	BLUE	349
2c4	TNL	80	BLUE	457
2c5	TNL	80	BLUE	1793
2c6	TNL	80	BLUE	1737
2C7	TNL	80	BLUE	1396
3C1	TNL	220	BLUE	1351
3C2	TNL	220	BLUE	1363
4c1	TNL	400	BLUE	3767
4c2	TNL	140	BLUE	3699
D				
d1	TNL	80	BLUE	1046
d2	TNL	80	BLUE	1051
d3	TNL	80	BLUE	1021
d4	TNL	80	BLUE	954
d5	TNL	80	BLUE	961
d6	TNL	80	BLUE	868
d7	TNL	80	BLUE	1129
d8	TNL	80	BLUE	1106
BRAKE				
br1	TNL	80	RED	1010
br2	TNL	80	RED	754
br3	TNL	80	RED	752
br4	TNL	80	RED	762
br5	TNL	80	RED	1446
br6	TNL	80	RED	1363
br7	TNL	80	RED	1400
br8	TNL	80	RED	1181
br9	TNL	80	RED	1104
br10	TNL	80	RED	948

LINES

TARGET 28

REF.	MAT.	kg	COLOR	mm
A				
a1	TNL	80	GREEN	989
a2	TNL	80	GREEN	911
a3	TNL	80	GREEN	911
a4	TNL	80	GREEN	949
a5	TNL	80	GREEN	939
a6	TNL	80	GREEN	869
a7	TNL	80	GREEN	869
a8	TNL	80	GREEN	895
a9	TNL	80	GREEN	793
a10	TNL	80	GREEN	683
a11	TNL	80	GREEN	758
a12	TNL	80	GREEN	740
a13	TNL	80	GREEN	1481
a14	TNL	80	GREEN	1424
a15	TNL	80	GREEN	1424
a16	TNL	80	GREEN	692
a17	TNL	80	GREEN	1271
2a1	TNL	140	GREEN	930
2a2	TNL	140	GREEN	911
2a3	TNL	140	GREEN	885
2a4	TNL	140	GREEN	864
2a5	TNL	140	GREEN	990
2a6	TNL	140	GREEN	850
2a7	TNL	140	GREEN	1653
3a3	TNL	140	GREEN	1610
3a1	TNL	280	GREEN	4819
3a2	TNL	280	GREEN	4840
4a1	TNL	220	GREEN	3229
REF.	MAT.	kg	COLOR	mm
B				
b1	TNL	80	BLUE	976
b2	TNL	80	BLUE	900
b3	TNL	80	BLUE	900
b4	TNL	80	BLUE	942
b5	TNL	80	BLUE	919
b6	TNL	80	BLUE	854
b7	TNL	80	BLUE	854
b8	TNL	80	BLUE	884
b9	TNL	80	BLUE	779
b10	TNL	80	BLUE	681
b11	TNL	80	BLUE	732
b12	TNL	80	BLUE	724
b13	TNL	80	BLUE	703
b14	TNL	80	BLUE	701
b15	TNL	80	BLUE	651
b16	TNL	80	BLUE	1297
2b1	TNL	140	BLUE	919
2b2	TNL	140	BLUE	902
2b3	TNL	140	BLUE	868
2b4	TNL	140	BLUE	852
2b5	TNL	140	BLUE	985
2b6	TNL	80	BLUE	880
2b7	TNL	80	BLUE	1920
3b3	TNL	140	BLUE	1060
2st1	TNL	80	BLUE	649
stb main	TNL	80	RED	4873
3b1	TNL	220	BLUE	4730
3b2	TNL	220	BLUE	4776
4b1	TNL	140	BLUE	3703
REF.	MAT.	kg	COLOR	mm
C				
c1	TNL	80	BLUE	945
c2	TNL	80	BLUE	811
c3	TNL	80	BLUE	936
c4	TNL	80	BLUE	966
c5	TNL	80	BLUE	913
c6	TNL	80	BLUE	901
c7	TNL	80	BLUE	841
c8	TNL	80	BLUE	966
c9	TNL	80	BLUE	859
c10	TNL	80	BLUE	793
c11	TNL	80	BLUE	781
c12	TNL	80	BLUE	757
c13	TNL	80	BLUE	1082
c14	TNL	80	BLUE	1069
c15	TNL	80	BLUE	1.384
c16	TNL	80	BLUE	1379
2c1	TNL	140	BLUE	549
2c2	TNL	140	BLUE	351
2c3	TNL	80	BLUE	361
2c4	TNL	80	BLUE	475
2c5	TNL	80	BLUE	1860
2c6	TNL	80	BLUE	1803
2C7	TNL	80	BLUE	1450
3C1	TNL	220	BLUE	1401
3C2	TNL	220	BLUE	1416
4c1	TNL	400	BLUE	3930
4c2	TNL	140	BLUE	3863
REF.	MAT.	kg	COLOR	mm
D				
d1	TNL	80	BLUE	1086
d2	TNL	80	BLUE	1090
d3	TNL	80	BLUE	1060
d4	TNL	80	BLUE	989
d5	TNL	80	BLUE	998
d6	TNL	80	BLUE	901
d7	TNL	80	BLUE	1172
d8	TNL	80	BLUE	1148
REF.	MAT.	kg	COLOR	mm
BRAKE				
br1	TNL	80	RED	1048
br2	TNL	80	RED	783
br3	TNL	80	RED	781
br4	TNL	80	RED	791
br5	TNL	80	RED	1500

LINES

TARGET 30

REF.	MAT.	kg	COLOR	mm
A				
a1	TNL	80	GREEN	1023
a2	TNL	80	GREEN	943
a3	TNL	80	GREEN	943
a4	TNL	80	GREEN	983
a5	TNL	80	GREEN	971
a6	TNL	80	GREEN	900
a7	TNL	80	GREEN	899
a8	TNL	80	GREEN	927
a9	TNL	80	GREEN	821
a10	TNL	80	GREEN	707
a11	TNL	80	GREEN	784
a12	TNL	80	GREEN	766
a13	TNL	80	GREEN	1533
a14	TNL	80	GREEN	1474
a15	TNL	80	GREEN	1474
a16	TNL	80	GREEN	717
a17	TNL	80	GREEN	1315
2a1	TNL	140	GREEN	963
2a2	TNL	140	GREEN	943
2a3	TNL	140	GREEN	916
2a4	TNL	140	GREEN	895
2a5	TNL	140	GREEN	1024
2a6	TNL	140	GREEN	880
2a7	TNL	140	GREEN	1712
3a3	TNL	140	GREEN	1667
3a1	TNL	280	GREEN	5006
3a2	TNL	280	GREEN	5030
4a1	TNL	220	GREEN	3364
REF.	MAT.	kg	COLOR	mm
B				
b1	TNL	80	BLUE	1009
b2	TNL	80	BLUE	932
b3	TNL	80	BLUE	932
b4	TNL	80	BLUE	976
b5	TNL	80	BLUE	951
b6	TNL	80	BLUE	884
b7	TNL	80	BLUE	884
b8	TNL	80	BLUE	915
b9	TNL	80	BLUE	806
b10	TNL	80	BLUE	706
b11	TNL	80	BLUE	758
b12	TNL	80	BLUE	749
b13	TNL	80	BLUE	728
b14	TNL	80	BLUE	726
b15	TNL	80	BLUE	674
b16	TNL	80	BLUE	1343
2b1	TNL	140	BLUE	951
2b2	TNL	140	BLUE	934
2b3	TNL	140	BLUE	898
2b4	TNL	140	BLUE	882
2b5	TNL	140	BLUE	1019
2b6	TNL	80	BLUE	912
2b7	TNL	80	BLUE	1988
3b3	TNL	140	BLUE	1097
2st1	TNL	80	BLUE	672
stb main	TNL	80	RED	5067
3b1	TNL	220	BLUE	4913
3b2	TNL	220	BLUE	4963
4b1	TNL	140	BLUE	3855
REF.	MAT.	kg	COLOR	mm
C				
c1	TNL	80	BLUE	978
c2	TNL	80	BLUE	840
c3	TNL	80	BLUE	969
c4	TNL	80	BLUE	1001
c5	TNL	80	BLUE	945
c6	TNL	80	BLUE	934
c7	TNL	80	BLUE	870
c8	TNL	80	BLUE	1001
c9	TNL	80	BLUE	889
c10	TNL	80	BLUE	821
c11	TNL	80	BLUE	809
c12	TNL	80	BLUE	784
c13	TNL	80	BLUE	1120
c14	TNL	80	BLUE	1107
c15	TNL	80	BLUE	1.433
c16	TNL	80	BLUE	1427
2c1	TNL	140	BLUE	568
2c2	TNL	140	BLUE	365
2c3	TNL	80	BLUE	372
2c4	TNL	80	BLUE	492
2c5	TNL	80	BLUE	1925
2c6	TNL	80	BLUE	1866
2C7	TNL	80	BLUE	1501
3C1	TNL	220	BLUE	1448
3C2	TNL	220	BLUE	1468
4c1	TNL	400	BLUE	4086
4c2	TNL	140	BLUE	4021
REF.	MAT.	kg	COLOR	mm
D				
d1	TNL	80	BLUE	1124
d2	TNL	80	BLUE	1128
d3	TNL	80	BLUE	1097
d4	TNL	80	BLUE	1024
d5	TNL	80	BLUE	1034
d6	TNL	80	BLUE	933
d7	TNL	80	BLUE	1213
d8	TNL	80	BLUE	1188
REF.	MAT.	kg	COLOR	mm
BRAKE				
br1	TNL	80	RED	1084
br2	TNL	80	RED	810
br3	TNL	80	RED	808
br4	TNL	80	RED	820
br5	TNL	80	RED	1552
br6	TNL	80	RED	1465

LINE MEASUREMENTS

TARGET - 20

LINES HEIGHT MM					
	A	B	C	D	br
1	6102	6008	6167	6286	6260
2	6036	5944	6053	6125	6040
3	6021	5932	5994	6134	5944
4	6059	5971	6025	6184	5963
5	6053	5969	6009	6131	5849
6	6002	5922	6006	6014	5787
7	5991	5914	6059	5954	5830
8	6020	5947	6172	5915	5848
9	6035	5956	6014		5765
10	5949	5881	5966		5663
11	5901	5845	5914		
12	5893	5845	5902		
13	5852	5825	5881		
14	5798	5816	5863		
15	5783	5655	5731		
16	5688	5637	5706		
17	5615				
RISERS LENGHT MM					
A	A'	B	C		
470	470	470	470	STANDARD	
340	340	383	470	ACCELERATED	

TARGET - 22

LINES HEIGHT MM					
	A	B	C	D	br
1	6398	6300	6468	6593	6584
2	6329	6233	6349	6424	6353
3	6314	6219	6287	6429	6250
4	6352	6260	6318	6477	6267
5	6344	6257	6299	6416	6141
6	6288	6204	6294	6286	6070
7	6275	6194	6345	6214	6108
8	6302	6225	6461	6171	6123
9	6314	6232	6294		6034
10	6220	6149	6239		5942
11	6166	6106	6181		
12	6153	6102	6162		
13	6104	6076	6136		
14	6046	6066	6116		
15	6031	5900	5980		
16	5936	5883	5956		
17	5860				
RISERS LENGHT MM					
A	A'	B	C		
470	470	470	470	STANDARD	
340	340	383	470	ACCELERATED	

TARGET - 24

LINES HEIGHT MM					
	A	B	C	D	br
1	6682	6578	6754	6884	6886
2	6608	6506	6628	6701	6639
3	6588	6489	6559	6695	6523
4	6622	6526	6585	6733	6531
5	6607	6514	6559	6658	6389
6	6542	6453	6547	6514	6309
7	6520	6436	6595	6437	6343
8	6543	6463	6710	6414	6359
9	6551	6466	6530		6283
10	6449	6375	6468		6218
11	6388	6326	6404		
12	6371	6318	6381		
13	6320	6292	6354		
14	6268	6289	6342		
15	6266	6146	6232		
16	6184	6152	6228		
17	6127				
RISERS LENGHT MM					
A	A'	B	C		
470	470	470	470	STANDARD	
340	340	383	470	ACCELERATED	

LINE MEASUREMENTS

TARGET - 26

LINES HEIGHT MM					
	A	B	C	D	br
1	6955	6846	7029	7165	7186
2	6879	6773	6899	6978	6930
3	6858	6755	6829	6971	6808
4	6895	6794	6858	7012	6818
5	6879	6783	6830	6937	6672
6	6812	6720	6818	6788	6589
7	6790	6703	6868	6707	6626
8	6814	6731	6989	6684	6642
9	6824	6735	6803		6565
10	6718	6640	6739		6507
11	6655	6590	6673		
12	6638	6581	6649		
13	6585	6554	6621		
14	6530	6551	6608		
15	6529	6404	6493		
16	6443	6410	6489		
17	6384				
RISERS LENGHT MM					
A	A'	B	C		
470	470	470	470	STANDARD	
340	340	383	470	ACCELERATED	

TARGET - 28

LINES HEIGHT MM					
	A	B	C	D	br
1	7216	7104	7296	7437	7476
2	7138	7028	7162	7243	7211
3	7119	7011	7089	7238	7085
4	7157	7053	7119	7281	7095
5	7142	7042	7091	7205	6944
6	7072	6977	7079	7051	6859
7	7051	6961	7133	6968	6898
8	7077	6991	7258	6944	6915
9	7088	6995	7066		6835
10	6978	6897	7000		6784
11	6913	6845	6931		
12	6895	6837	6907		
13	6840	6808	6878		
14	6783	6806	6865		
15	6783	6652	6745		
16	6693	6658	6740		
17	6632				
RISERS LENGHT MM					
A	A'	B	C		
470	470	470	470	STANDARD	
340	340	383	470	ACCELERATED	

TARGET - 30

LINES HEIGHT MM					
	A	B	C	D	br
1	7470	7352	7551	7697	7753
2	7390	7275	7413	7498	7479
3	7370	7258	7339	7494	7350
4	7410	7302	7371	7541	7362
5	7395	7291	7342	7464	7207
6	7324	7224	7331	7304	7120
7	7302	7208	7387	7218	7161
8	7330	7239	7518	7193	7179
9	7342	7245	7319		7096
10	7228	7145	7251		7050
11	7161	7092	7180		
12	7143	7083	7155		
13	7086	7053	7125		
14	7027	7051	7112		
15	7027	6892	6988		
16	6935	6898	6982		
17	6870				
RISERS LENGHT MM					
A	A'	B	C		
470	470	470	470	STANDARD	
340	340	383	470	ACCELERATED	

SUSPENSION

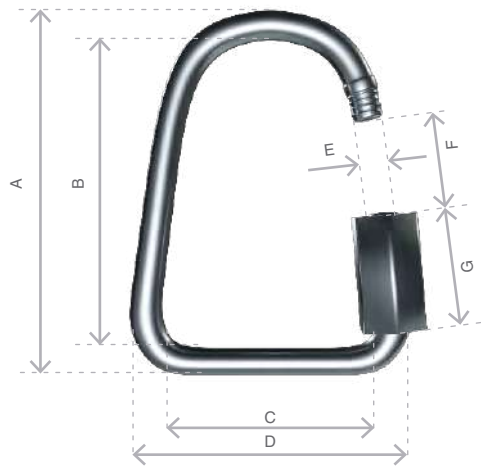
MATERIAL CODE		TNL	TNL	TNL	TNL	TNL	TARAX
STRENGTH CODE		080	140	220	280	400	200
DIAMETER m/m	ø	1,1	1,4	1,6	1,8	2,3	1,7
CORE MATERIAL		Technora	Technora	Technora	Technora	Technora	Dyneema
SLEEVE MATERIAL		Polyester	Polyester	Polyester	Polyester	Polyester	Polyester
WEIGHT G/M	TOTAL	1,1	1,2	1,6	2,7	4	2
BREAKING STRENGTH daN	MINIMUM	80	140	220	280	460	200
	MAXIMUM	92	160	250	320	470	
STRENGTH AFTER 5.000 BENDING CYCLES	TEST EN	36,7	76,1	114,2	134,7	160,1	
ELONGATION AT	5 daN en %	0,3	0,2	0,2	0,2	0,05	0,1-0,3
	10 daN en %	0,5	0,3	0,3	0,3	0,1	0,2-0,6
	15 daN en %	0,7	0,5	0,5	0,4	0,2	0,3-0,7
	20 daN en %	1	0,6	0,6	0,4	0,2	0,3-0,9
	25 daN en %	1,3	0,8	0,7	0,5	0,3	0,4-1
	30 daN en %	2,3	1,5	1,2	0,9	0,6	
	75 daN en %	2,8	2,3	1,8	1,3	0,8	0,8-1,7
	100 daN en %		2,7	2,2	1,7	1,1	1,2-2
	125 daN en %		3,2	2,7	2	1,4	
	150 daN en %			3	2,3	1,7	1,6-2,4
	175 daN en %			3,3	2,7	2	
	200 daN en %			3,8	2,8	2,2	2-2,8
ELONGATION MAX. BREAKING STRENGTH %		3	3,4	4	4,1	4,6	

MAILLON & PULLEY

DESCRIPTION

MAILLON	DELTA
CODE	MRI4
MATERIAL	STAINLESS STEEL
SIZE	4,3 m/m
WEIGHT	12 G/PIECE
QUANTITY	8 PIECES
INSERTS	4 GREEN / 4 BLACK

TECHNICAL SPECIFICATIONS



DIMENSIONS	m/m
A	38
B	30
C	20
D	28
E	4
F	4
G	11
LOAD	KG
WORKING LIMIT	150
BREAKING	750

MATERIAL AISI 304 STAINLESS STEEL

STANDARD

CLOSING APPLIED BY MANUAL & ENTIRE SCREWING OF THE NUT
TO GUARANTEE THE HIGHEST SAFETY (NO THREAD SHOULD BE OBVIOUS)

SYSTEMATIC CONTROL OF MAILLON QUICK-LINKS BEFORE EVERY FLIGHT

THREAD

WING MAKING	
NAME	SERAFIL
N° OF REFERENCE	60
MATERIAL	POLYESTER
TYPE OF FINISH	SILK
LINEAR DENSITY	NM 61 / 3 (DTEX 163 * 3)
BREAKING STRENGTH	3,000 CN
ELONGATION	17,00%

PROPIETIES SERAFIL	
SOLIDITY ARTIFICIAL LIGTH	ISO 105 B02 > 5 - 6
SOLIDITY SWEAT	ISO 105 E04 > 4
SOLIDITY WASHING	ISO 105 C04 > 3
SOLIDITY GRAZE IN DRY	ISO 105 X12 > 4
SOLIDITY WASHING IN DRY	ISO 105 D01 > 3 - 4
TREATMENT WATER REPELLENT	WR

RISERS MAKING	
NAME	COATS BONDED C.F.P.
N° OF REFERENCE	V138
MATERIAL	POLYESTER
TYPE OF FINISH	SILK
BREAKING STRENGTH	9,5 KG
ELONGATION	19%

RISERS

RISERS	
N° OF REFERENCE	G-R 19
MATERIAL	POLYESTER
WIDTH	19 M/M
THICKNESS	1,6 M/M
BREAKING STRENGTH	850 KG
ELONGATION	MAX. 12%
WEIGHT	23 G/M
COLOR	BLACK

COLOR INDICATOR	
N° OF REFERENCE	IC-G 1-2
MATERIAL	POLYESTER
WIDTH	70 M/M
THICKNESS	0,80 M/M
BREAKING STRENGTH	130 DN
ELONGATION	35 %
WEIGHT	32 G * L.M.
COLOR	GREEN

LOOPS	
N° OF REFERENCE	LKI - 12
MATERIAL	NYLON
WIDTH	12 MM
COLOR	WHITE



Niviuk Paragliders

C/ Del Ter 6 - nave D
17165 La Celler de Ter - Girona - Spain
+34 972 422 878 | info@niviuk.com
www.niviuk.com

