LINK 3

Technical *specifications*

AIVIUK BEYOND THE GLIDE

TECHNICAL SPECIFICATIONS

			22	24	26	28
Cells	Number		46	46	46	46
Aspect ratio	Flat		5	5	5	5
	Projected		3,85	3,85	3,85	3,85
Area	Flat	m2	22	24	26	28
	Projected	m2	19,05	20,79	22,52	24,25
Span	Flat	m	10,89	10,95	11,40	11,83
Chord	Max	m	2,63	2,75	2,86	2,97
Lines	Total	m	272	285	297	308
	Main		2+1/4/3	2+1/4/3	2+1/4/3	2+1/4/3
Risers	Number	3+1	A+A'/B/C	A+A'/B/C	A+A'/B/C	A+A'/B/C
	Speed-bar	mm	80	80	80	80
	Trimmers	mm	190	190	190	190
Glider weight		kg	4,74	4,95	5,30	5,64
Total weight in flight	Min-Max	kg	55-100	70-120	90-145	105-170
Certification			DGAC/EN 926-1	DGAC/EN 926-1	DGAC/EN 926-1	DGAC/EN 926-1

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

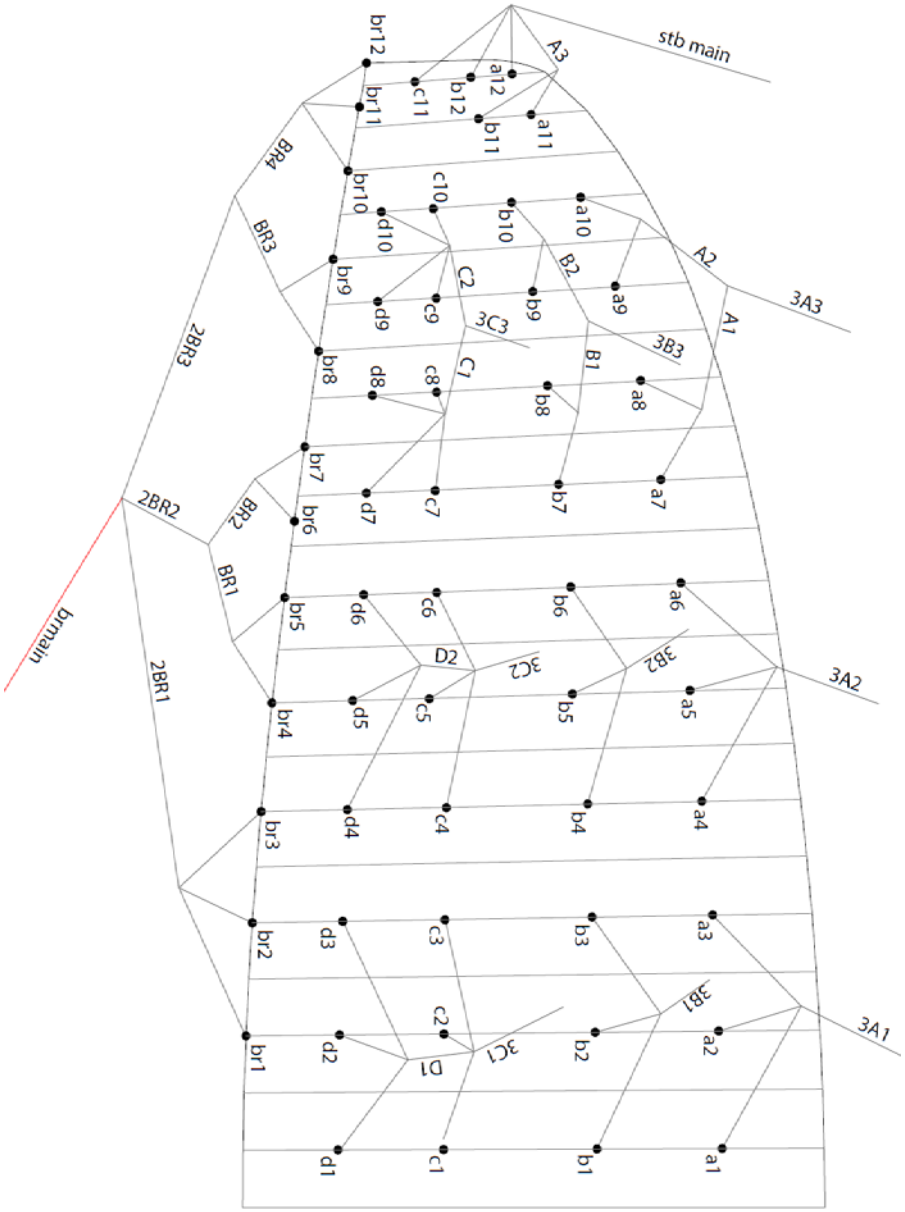
MATERIALS

CANOPY	FABRIC CODE	SUPPLIER
UPPER SURFACE	N20 DMF	DOMINICO TEX CO (KOREA)
BOTTOM SURFACE	N20 DMF	DOMINICO TEX CO (KOREA)
PROFILES	30 DFM	DOMINICO TEX CO (KOREA)
DIAGONALS	30 DFM	DOMINICO TEX CO (KOREA)
LOOPS	LKI - 10	KOLON IND. (KOREA)
REIFORCEMENT LOOPS	W-420	D-P (GERMANY)
TRAILING EDGE REIFORCEMENT	MYLAR	D-P (GERMANY)
RIBS REIFORCEMNET	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)
UPPER CASCADES	TNL - 140	TEIJIM LIMITED (JAPAN)
MIDDLE CASCADES	TNL - 80	TEIJIM LIMITED (JAPAN)
MIDDLE CASCADES	TNL - 140	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	TNL - 240	TEIJIM LIMITED (JAPAN)
THREAD	SERAFIL 60	AMAN (GERMANY)

RISERS	FABRIC CODE	SUPPLIER
MATERIAL	WD103	COUSIN (FRANCE)
COLOR INDICATOR	PAD	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:

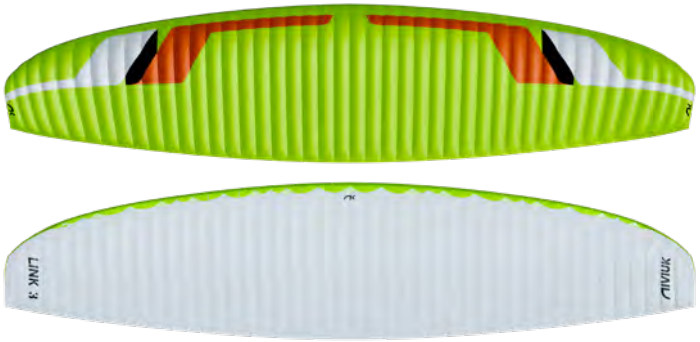
- Fit the new line(s) WITHOUT removing the label.
- Once replaced, measure each line length to confirm the correct measurement.
- Inflate the wing to check for any irregularities.
- The line labels may then be removed but NOT BEFORE completion of the line replacement.

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

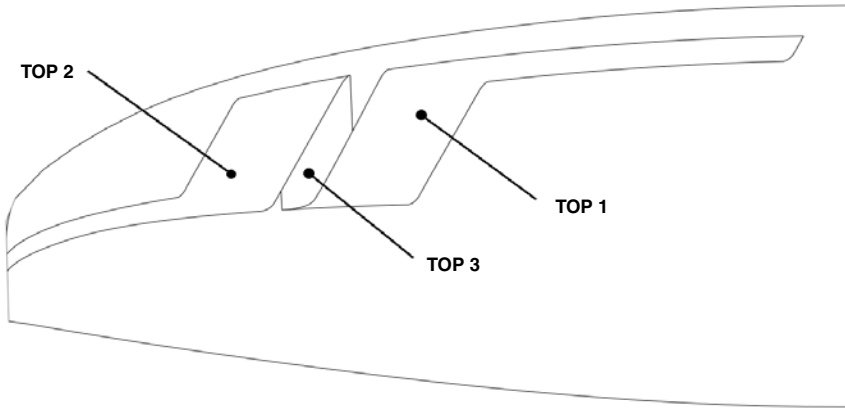
COLORS

	UPPER	PINK	**LOWER**	WHITE
PITAYA	**TOP 1**	WHITE		
	TOP 2	LIME		
	TOP 3	BLACK		



	UPPER	LIME	**LOWER**	WHITE
AGAPORNIS	**TOP 1**	DARK BRICK		
	TOP 2	WHITE		
	TOP 3	BLACK		

	UPPER	ROYAL BLUE	**LOWER**	WHITE
BREEZE	**TOP 1**	GOLD		
	TOP 2	WHITE		
	TOP 3	BLACK		



WING LOAD

LINK 3

22		
P.T.V.		KG/M2
55	=	2,50
60	=	2,73
65	=	2,95
70	=	3,18
75	=	3,41
80	=	3,64
85	=	3,86
90	=	4,09
95	=	4,32
100	=	4,55

24		
P.T.V.		KG/M2
70	=	2,92
75	=	3,13
80	=	3,33
85	=	3,54
90	=	3,75
95	=	3,96
100	=	4,17
105	=	4,38
110	=	4,58
115	=	4,79
120	=	5,00

26		
P.T.V.		KG/M2
90	=	3,46
95	=	3,65
100	=	3,85
105	=	4,04
110	=	4,23
115	=	4,42
120	=	4,62
125	=	4,81
130	=	5,00
135	=	5,19
140	=	5,38
145	=	5,58

28		
P.T.V.		KG/M2
105	=	3,75
110	=	3,93
115	=	4,11
120	=	4,29
125	=	4,46
130	=	4,64
135	=	4,82
140	=	5,00
145	=	5,18
150	=	5,36
155	=	5,54
160	=	5,71
165	=	5,89
170	=	6,07

LINES

LINK 3 - 22

ref.	mat.	kg	color	mm
		A		
a1	TNL	140	GREEN	2189
a2	TNL	140	GREEN	2114
a3	TNL	140	GREEN	2125
a4	TNL	140	GREEN	2046
a5	TNL	140	GREEN	1988
a6	TNL	140	GREEN	2012
a7	TNL	80	GREEN	1062
a8	TNL	80	GREEN	949
a9	TNL	80	GREEN	1004
a10	TNL	80	GREEN	949
a11	TNL	80	RED	751
a12	TNL	80	RED	1392
A1	TNL	140	GREEN	1049
A2	TNL	140	GREEN	913
A3	TNL	80	RED	735
3A1	TNL	400	GREEN	3715
3A2	TNL	400	GREEN	3757
3A3	TNL	220	GREEN	3643

ref.	mat.	kg	color	mm
		B		
b1	TNL	140	BLUE	2144
b2	TNL	140	BLUE	2075
b3	TNL	140	BLUE	2094
b4	TNL	140	BLUE	1995
b5	TNL	140	BLUE	1950
b6	TNL	140	BLUE	1994
b7	TNL	80	BLUE	1023
b8	TNL	80	BLUE	958
b9	TNL	80	BLUE	947
b10	TNL	80	BLUE	887
b11	TNL	80	RED	742
b12	TNL	80	RED	1405
B1	TNL	140	BLUE	1894
B2	TNL	140	BLUE	1843
3B1	TNL	400	BLUE	3612
3B2	TNL	280	BLUE	3697
3B3	TNL	220	BLUE	2753

ref.	mat.	kg	color	mm
		C		
c1	TNL	80	BLUE	1884
c2	TNL	80	BLUE	1800
c3	TNL	80	BLUE	1821
c4	TNL	80	BLUE	1746
c5	TNL	80	BLUE	1702
c6	TNL	80	BLUE	1740
c7	TNL	80	BLUE	1034
c8	TNL	80	BLUE	918
c9	TNL	80	BLUE	907
c10	TNL	80	BLUE	895
c11	TNL	80	RED	1495
C1	TNL	140	BLUE	649
C2	TNL	140	BLUE	597
3C1	TNL	280	BLUE	3967
3C2	TNL	220	BLUE	4007
3C3	TNL	220	BLUE	4106
stb main	TNL	140	RED	3883

ref.	mat.	kg	color	mm
		D		
d1	TNL	80	BLUE	1536
d2	TNL	80	BLUE	1431
d3	TNL	80	BLUE	1468
d4	TNL	80	BLUE	1435
d5	TNL	80	BLUE	1348
d6	TNL	80	BLUE	1396
d7	TNL	80	BLUE	1107
d8	TNL	80	BLUE	985
d9	TNL	80	BLUE	966
d10	TNL	80	BLUE	937
D1	TNL	140	BLUE	505
D2	TNL	140	BLUE	456

ref.	mat.	kg	color	mm
		BRAKE		
br1	TNL	80	RED	1843
br2	TNL	80	RED	1642
br3	TNL	80	RED	1573
br4	TNL	80	RED	761
br5	TNL	80	RED	572
br6	TNL	80	RED	577
br7	TNL	80	RED	620
br8	TNL	80	RED	919
br9	TNL	80	RED	701
br10	TNL	80	RED	758
br11	TNL	80	RED	542
br12	TNL	80	RED	479
BR1	TNL	80	RED	612
BR2	TNL	80	RED	572
BR3	TNL	80	RED	772
BR4	TNL	80	RED	526
2BR1	TNL	80	RED	2640
2BR2	TNL	80	RED	2764
2BR3	TNL	80	RED	2253
brmain	TARAX	240	RED	2460
		KNOT POINT 1:		2180
		KNOT POINT 2:		2260

LINES

LINK 3 - 24

ref.	mat.	kg	color	mm
		A		
a1	TNL	140	GREEN	2285
a2	TNL	140	GREEN	2208
a3	TNL	140	GREEN	2222
a4	TNL	140	GREEN	2137
a5	TNL	140	GREEN	2077
a6	TNL	140	GREEN	2102
a7	TNL	80	GREEN	1109
a8	TNL	80	GREEN	991
a9	TNL	80	GREEN	1048
a10	TNL	80	GREEN	991
a11	TNL	80	RED	785
a12	TNL	80	RED	1454
A1	TNL	140	GREEN	1096
A2	TNL	140	GREEN	955
A3	TNL	80	RED	768
3A1	TNL	400	GREEN	3902
3A2	TNL	280	GREEN	3950
3A3	TNL	220	GREEN	3835

ref.	mat.	kg	color	mm
		B		
b1	TNL	140	BLUE	2239
b2	TNL	140	BLUE	2168
b3	TNL	140	BLUE	2189
b4	TNL	140	BLUE	2083
b5	TNL	140	BLUE	2037
b6	TNL	140	BLUE	2084
b7	TNL	80	BLUE	1069
b8	TNL	80	BLUE	1001
b9	TNL	80	BLUE	989
b10	TNL	80	BLUE	927
b11	TNL	80	RED	775
b12	TNL	80	RED	1467
B1	TNL	140	BLUE	1992
B2	TNL	140	BLUE	1939
3B1	TNL	400	BLUE	3795
3B2	TNL	280	BLUE	3888
3B3	TNL	220	BLUE	2890

ref.	mat.	kg	color	mm
		C		
c1	TNL	80	BLUE	1967
c2	TNL	80	BLUE	1880
c3	TNL	80	BLUE	1904
c4	TNL	80	BLUE	1822
c5	TNL	80	BLUE	1778
c6	TNL	80	BLUE	1819
c7	TNL	80	BLUE	1080
c8	TNL	80	BLUE	960
c9	TNL	80	BLUE	947
c10	TNL	80	BLUE	936
c11	TNL	80	RED	1561
C1	TNL	140	BLUE	677
C2	TNL	140	BLUE	624
3C1	TNL	280	BLUE	4165
3C2	TNL	220	BLUE	4211
3C3	TNL	220	BLUE	4317
stb main	TNL	140	RED	4084

ref.	mat.	kg	color	mm
		D		
d1	TNL	80	BLUE	1603
d2	TNL	80	BLUE	1495
d3	TNL	80	BLUE	1535
d4	TNL	80	BLUE	1498
d5	TNL	80	BLUE	1409
d6	TNL	80	BLUE	1459
d7	TNL	80	BLUE	1156
d8	TNL	80	BLUE	1029
d9	TNL	80	BLUE	1009
d10	TNL	80	BLUE	979
D1	TNL	140	BLUE	527
D2	TNL	140	BLUE	475

ref.	mat.	kg	color	mm
		BRAKE		
br1	TNL	80	RED	1924
br2	TNL	80	RED	1715
br3	TNL	80	RED	1644
br4	TNL	80	RED	794
br5	TNL	80	RED	598
br6	TNL	80	RED	602
br7	TNL	80	RED	648
br8	TNL	80	RED	959
br9	TNL	80	RED	732
br10	TNL	80	RED	791
br11	TNL	80	RED	566
br12	TNL	80	RED	502
BR1	TNL	80	RED	639
BR2	TNL	80	RED	598
BR3	TNL	80	RED	806
BR4	TNL	80	RED	550
2BR1	TNL	80	RED	2754
2BR2	TNL	80	RED	2887
2BR3	TNL	80	RED	2357
brmain	TARAX	240	RED	2540
		KNOT POINT 1:		2260
		KNOT POINT 2:		2340

LINES

LINK 3 - 26

ref.	mat.	kg	color	mm
		A		
a1	TNL	140	GREEN	2377
a2	TNL	140	GREEN	2299
a3	TNL	140	GREEN	2314
a4	TNL	140	GREEN	2223
a5	TNL	140	GREEN	2161
a6	TNL	140	GREEN	2189
a7	TNL	80	GREEN	1154
a8	TNL	80	GREEN	1032
a9	TNL	80	GREEN	1091
a10	TNL	80	GREEN	1032
a11	TNL	80	RED	817
a12	TNL	80	RED	1513
A1	TNL	140	GREEN	1140
A2	TNL	140	GREEN	994
A3	TNL	80	RED	799
3A1	TNL	400	GREEN	4082
3A2	TNL	280	GREEN	4135
3A3	TNL	220	GREEN	4019

ref.	mat.	kg	color	mm
		B		
b1	TNL	140	BLUE	2329
b2	TNL	140	BLUE	2256
b3	TNL	140	BLUE	2279
b4	TNL	140	BLUE	2167
b5	TNL	140	BLUE	2120
b6	TNL	140	BLUE	2169
b7	TNL	80	BLUE	1112
b8	TNL	80	BLUE	1042
b9	TNL	80	BLUE	1030
b10	TNL	80	BLUE	965
b11	TNL	80	RED	806
b12	TNL	80	RED	1527
B1	TNL	140	BLUE	2086
B2	TNL	140	BLUE	2032
3B1	TNL	400	BLUE	3971
3B2	TNL	280	BLUE	4070
3B3	TNL	220	BLUE	3022

ref.	mat.	kg	color	mm
		C		
c1	TNL	80	BLUE	2046
c2	TNL	80	BLUE	1957
c3	TNL	80	BLUE	1984
c4	TNL	80	BLUE	1896
c5	TNL	80	BLUE	1850
c6	TNL	80	BLUE	1894
c7	TNL	80	BLUE	1124
c8	TNL	80	BLUE	999
c9	TNL	80	BLUE	986
c10	TNL	80	BLUE	974
c11	TNL	80	RED	1625
C1	TNL	140	BLUE	704
C2	TNL	140	BLUE	650
3C1	TNL	280	BLUE	4354
3C2	TNL	220	BLUE	4408
3C3	TNL	220	BLUE	4520
stb main	TNL	140	RED	4276

ref.	mat.	kg	color	mm
		D		
d1	TNL	80	BLUE	1667
d2	TNL	80	BLUE	1557
d3	TNL	80	BLUE	1600
d4	TNL	80	BLUE	1558
d5	TNL	80	BLUE	1466
d6	TNL	80	BLUE	1519
d7	TNL	80	BLUE	1204
d8	TNL	80	BLUE	1072
d9	TNL	80	BLUE	1050
d10	TNL	80	BLUE	1019
D1	TNL	140	BLUE	548
D2	TNL	140	BLUE	494

ref.	mat.	kg	color	mm
		BRAKE		
br1	TNL	80	RED	2002
br2	TNL	80	RED	1785
br3	TNL	80	RED	1712
br4	TNL	80	RED	825
br5	TNL	80	RED	622
br6	TNL	80	RED	627
br7	TNL	80	RED	676
br8	TNL	80	RED	998
br9	TNL	80	RED	762
br10	TNL	80	RED	824
br11	TNL	80	RED	590
br12	TNL	80	RED	523
BR1	TNL	80	RED	665
BR2	TNL	80	RED	623
BR3	TNL	80	RED	839
BR4	TNL	80	RED	573
2BR1	TNL	80	RED	2864
2BR2	TNL	80	RED	3004
2BR3	TNL	80	RED	2456
brmain	TARAX	240	RED	2690
		KNOT POINT 1:		2410
		KNOT POINT 2:		2490

LINES

LINK 3 - 28

ref.	mat.	kg	color	mm
		A		
a1	TNL	140	GREEN	2466
a2	TNL	140	GREEN	2386
a3	TNL	140	GREEN	2403
a4	TNL	140	GREEN	2306
a5	TNL	140	GREEN	2243
a6	TNL	140	GREEN	2272
a7	TNL	80	GREEN	1198
a8	TNL	80	GREEN	1072
a9	TNL	80	GREEN	1132
a10	TNL	80	GREEN	1071
a11	TNL	80	RED	847
a12	TNL	80	RED	1570
A1	TNL	140	GREEN	1183
A2	TNL	140	GREEN	1032
A3	TNL	80	RED	829
3A1	TNL	400	GREEN	4254
3A2	TNL	280	GREEN	4314
3A3	TNL	220	GREEN	4197

ref.	mat.	kg	color	mm
		B		
b1	TNL	140	BLUE	2416
b2	TNL	140	BLUE	2342
b3	TNL	140	BLUE	2367
b4	TNL	140	BLUE	2249
b5	TNL	140	BLUE	2200
b6	TNL	140	BLUE	2252
b7	TNL	80	BLUE	1154
b8	TNL	80	BLUE	1082
b9	TNL	80	BLUE	1069
b10	TNL	80	BLUE	1001
b11	TNL	80	RED	837
b12	TNL	80	RED	1585
B1	TNL	140	BLUE	2176
B2	TNL	140	BLUE	2121
3B1	TNL	400	BLUE	4140
3B2	TNL	280	BLUE	4246
3B3	TNL	220	BLUE	3148

ref.	mat.	kg	color	mm
		C		
c1	TNL	80	BLUE	2122
c2	TNL	80	BLUE	2032
c3	TNL	80	BLUE	2061
c4	TNL	80	BLUE	1966
c5	TNL	80	BLUE	1920
c6	TNL	80	BLUE	1966
c7	TNL	80	BLUE	1167
c8	TNL	80	BLUE	1038
c9	TNL	80	BLUE	1023
c10	TNL	80	BLUE	1011
c11	TNL	80	RED	1687
C1	TNL	140	BLUE	730
C2	TNL	140	BLUE	675
3C1	TNL	280	BLUE	4537
3C2	TNL	220	BLUE	4597
3C3	TNL	220	BLUE	4715
stb main	TNL	140	RED	4462

ref.	mat.	kg	color	mm
		D		
d1	TNL	80	BLUE	1729
d2	TNL	80	BLUE	1616
d3	TNL	80	BLUE	1662
d4	TNL	80	BLUE	1616
d5	TNL	80	BLUE	1522
d6	TNL	80	BLUE	1578
d7	TNL	80	BLUE	1249
d8	TNL	80	BLUE	1113
d9	TNL	80	BLUE	1090
d10	TNL	80	BLUE	1058
D1	TNL	140	BLUE	568
D2	TNL	140	BLUE	512

ref.	mat.	kg	color	mm
		BRAKE		
br1	TNL	80	RED	2076
br2	TNL	80	RED	1853
br3	TNL	80	RED	1778
br4	TNL	80	RED	856
br5	TNL	80	RED	646
br6	TNL	80	RED	651
br7	TNL	80	RED	702
br8	TNL	80	RED	1035
br9	TNL	80	RED	791
br10	TNL	80	RED	855
br11	TNL	80	RED	613
br12	TNL	80	RED	543
BR1	TNL	80	RED	690
BR2	TNL	80	RED	647
BR3	TNL	80	RED	870
BR4	TNL	80	RED	595
2BR1	TNL	80	RED	2969
2BR2	TNL	80	RED	3118
2BR3	TNL	80	RED	2551
brmain	TARAX	240	RED	2802
			KNOT POINT 1:	2522
			KNOT POINT 2:	2602

LINE MEASUREMENTS

LINK 3 - 22

LINES HEIGHT + RISER mm

	A	B	C	D	br
1	5900	5753	5846	5993	6677
2	5825	5684	5762	5888	6478
3	5836	5702	5783	5925	6408
4	5799	5690	5749	5884	6322
5	5741	5645	5706	5798	6134
6	5764	5689	5744	5845	6098
7	5744	5659	5776	5849	6141
8	5630	5593	5661	5727	6129
9	5549	5532	5597	5657	5911
10	5494	5472	5586	5628	5722
11	5359	5359	5377		5506
12	5265	5287			5444

RISERS LENGHT mm

	A	B	C	
	480	480	480	STANDARD
	480	517	590	TRIMMER OPENED
	400	464	590	ACCELERATED

LINK 3 - 24

LINES HEIGHT + RISER mm

	A	B	C	D	br
1	6183	6030	6126	6279	6970
2	6106	5959	6040	6171	6762
3	6120	5980	6064	6211	6691
4	6083	5968	6031	6171	6603
5	6023	5922	5986	6082	6407
6	6048	5968	6027	6132	6370
7	6029	5940	6062	6139	6416
8	5911	5872	5942	6011	6405
9	5827	5808	5876	5938	6178
10	5770	5745	5865	5908	5981
11	5626	5625	5644		5756
12	5528	5550			5692

RISERS LENGHT mm

	A	B	C	
	480	480	480	STANDARD
	480	517	590	TRIMMER OPENED
	400	464	590	ACCELERATED

LINK 3 - 26

LINES HEIGHT + RISER mm

	A	B	C	D	br
1	6455	6296	6395	6554	7294
2	6376	6223	6307	6443	7078
3	6392	6246	6333	6486	7005
4	6355	6235	6300	6447	6914
5	6293	6188	6255	6355	6711
6	6320	6237	6299	6408	6674
7	6303	6208	6336	6416	6722
8	6181	6138	6211	6284	6711
9	6094	6072	6144	6208	6476
10	6035	6007	6132	6177	6272
11	5882	5881	5901		6038
12	5779	5802			5971

RISERS LENGHT mm

	A	B	C	
	480	480	480	STANDARD
	480	517	590	TRIMMER OPENED
	400	464	590	ACCELERATED

LINK 3 - 28

LINES HEIGHT + RISER mm

	A	B	C	D	br
1	6716	6552	6654	6819	7584
2	6636	6478	6563	6705	7361
3	6654	6503	6593	6751	7286
4	6616	6492	6560	6712	7193
5	6553	6444	6514	6617	6983
6	6582	6495	6560	6673	6945
7	6566	6467	6600	6683	6996
8	6440	6395	6471	6546	6986
9	6350	6327	6401	6468	6742
10	6289	6260	6389	6436	6531
11	6128	6126	6147		6289
12	6022	6045			6219

RISERS LENGHT mm

	A	B	C	
	480	480	480	STANDARD
	480	517	590	TRIMMER OPENED
	400	464	590	ACCELERATED

SUSPENSION

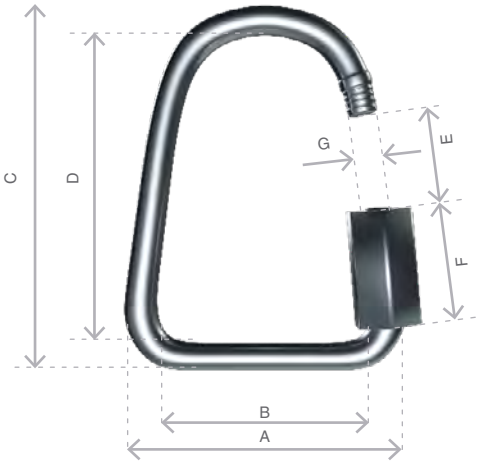
MATERIAL CODE		TNL	TNL	TNL	TNL	TNL	TARAX
STRENGTH CODE		080	140	220	280	400	240
DIAMETER mm	ø	1,1	1,4	1,6	1,8	2,3	1,9
CORE MATERIAL		TECHNORA	TECHNORA	TECHNORA	TECHNORA	TECHNORA	DYNEEMA
SLEEVE MATERIAL		POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER
WEIGHT g/m	TOTAL	1,1	1,2	1,6	2,7	4	2,3
BREAKING STRENGTH daN	MINIMUM	80	140	220	280	460	240
	MAXIMUM	92	160	250	320	470	
STRENGTH AFTER							
5.000 BENDING	TEST EN	36,7	76,1	114,2	134,7	160,1	
CYCLES							
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	0,2–0,4
	15 daN en %	0,7	0,5	0,5	0,4	0,2	0,2–0,6
	20 daN en %	1	0,6	0,6	0,4	0,2	0,3–0,7
	25 daN en %	1,3	0,8	0,7	0,5	0,3	0,4–0,8
	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	0,9–1,2
	100 daN en %		2,7	2,2	1,7	1,1	1,1–1,5
	125 daN en %		3,2	2,7	2	1,4	
	150 daN en %			**3**	2,3	1,7	1,5–2,1
	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

MAILLON	DELTA
CODE	MRI4
MATERIAL	STAINLESS STEEL
SIZE	4,3 mm
WEIGHT	12 g/piece
QUANTITY	10 piece
INSERTS	2 GREEN / 8 BLACK

TECHNICAL SPECIFICATIONS



DIMENSIONS	mm
A	28
B	20
C	38
D	30
E	4
F	11
G	4

LOAD	KG
WORKING LIMIT	150
BREAKING	750

DESCRIPTION MAILLON

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

SAIL MAKING	
NAME	SERAFIL
Nº 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%

QUALITIES 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.
Nº OF REFERENCE	V138
MATERIAL	POLYESTER
TYPE OF FINISH	SILK
BREAKING STRENGTH	9,5 KG
ELONGATION	19%

RISERS

RISERS	
Nº OF REFERENCE	G-R 19
MATERIAL	POLYESTER
WIDTH	19 MM
THICKNESS	1,6 MM
BREAKING STRENGTH	850 KG
ELONGATION	MAX. 12%
WEIGTH	23 G/M
COLOR	BLACK

COLOR INDICATOR	
Nº OF REFERENCE	IC-G 1-2
MATERIAL	POLYESTER
WIDTH	70 M/M
THICKNESS	0,80 M/M
BREAKING STRENGTH	130 DN
ELONGATION	35 %
WEIGTH	32 G * L.M.
COLOR	GREEN

LOOPS	
Nº OF REFERENCE	LKI - 10
MATERIAL	NYLON
WIDTH	10 M/M
BREAKING STRENGTH	84 KG
ELONGATION	30 %
WEIGTH	5,5 G/M
COLOR	WHITE

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