

WILKO

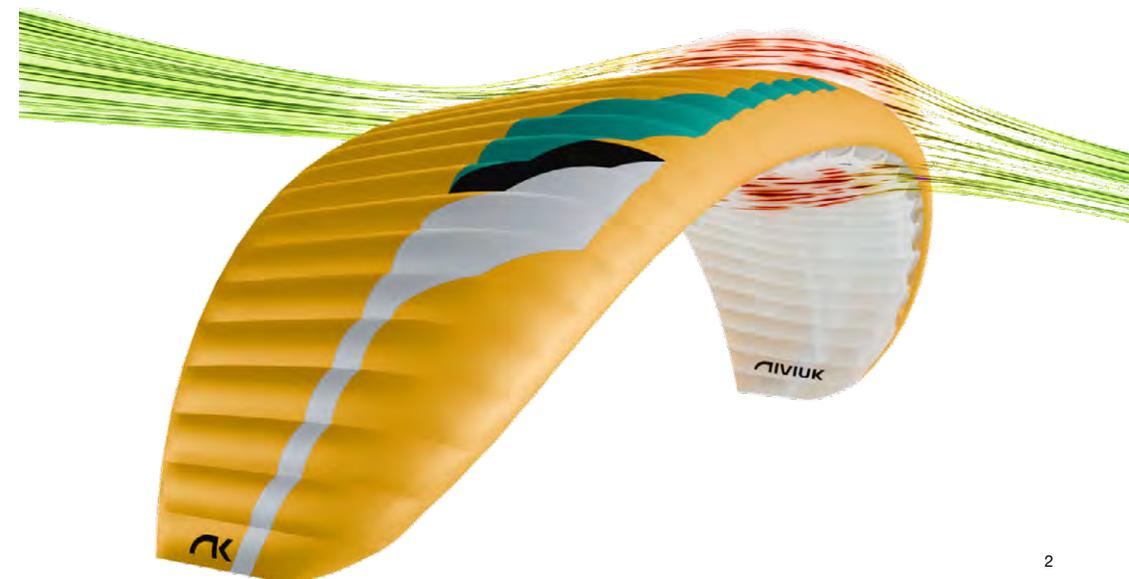
Technical *specifications*



TECHNICAL SPECIFICATIONS

			22	24	26	28	31
Cells	Number		39	39	39	39	39
Aspect ratio	Flat		4,75	4,75	4,75	4,75	4,75
	Projected		3,69	3,69	3,69	3,69	3,69
Area	Flat	m2	22	24	26	28	31
	Projected	m2	19,15	20,90	22,64	24,38	26,99
Span	Flat	m	10,22	10,68	11,11	11,53	12,14
Chord	Max	m	2,64	2,76	2,87	2,98	3,14
Lines	Total	m	221	231	241	251	264
	Main		2+1/4/3	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	A+A'/B/C
	Trimmers	mm	100	100	100	100	100
Glider weight		kg	4,52	4,81	5,14	5,43	5,90
Total weight in flight PG (EN)	Min-Max	kg	50-70	60-80	75-95	90-115	105-135
Total weight in flight PPG (DGAC)	Min-Max	kg	50-100	60-115	75-130	90-145	105-160
Identification/Certification			DGAC & 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.



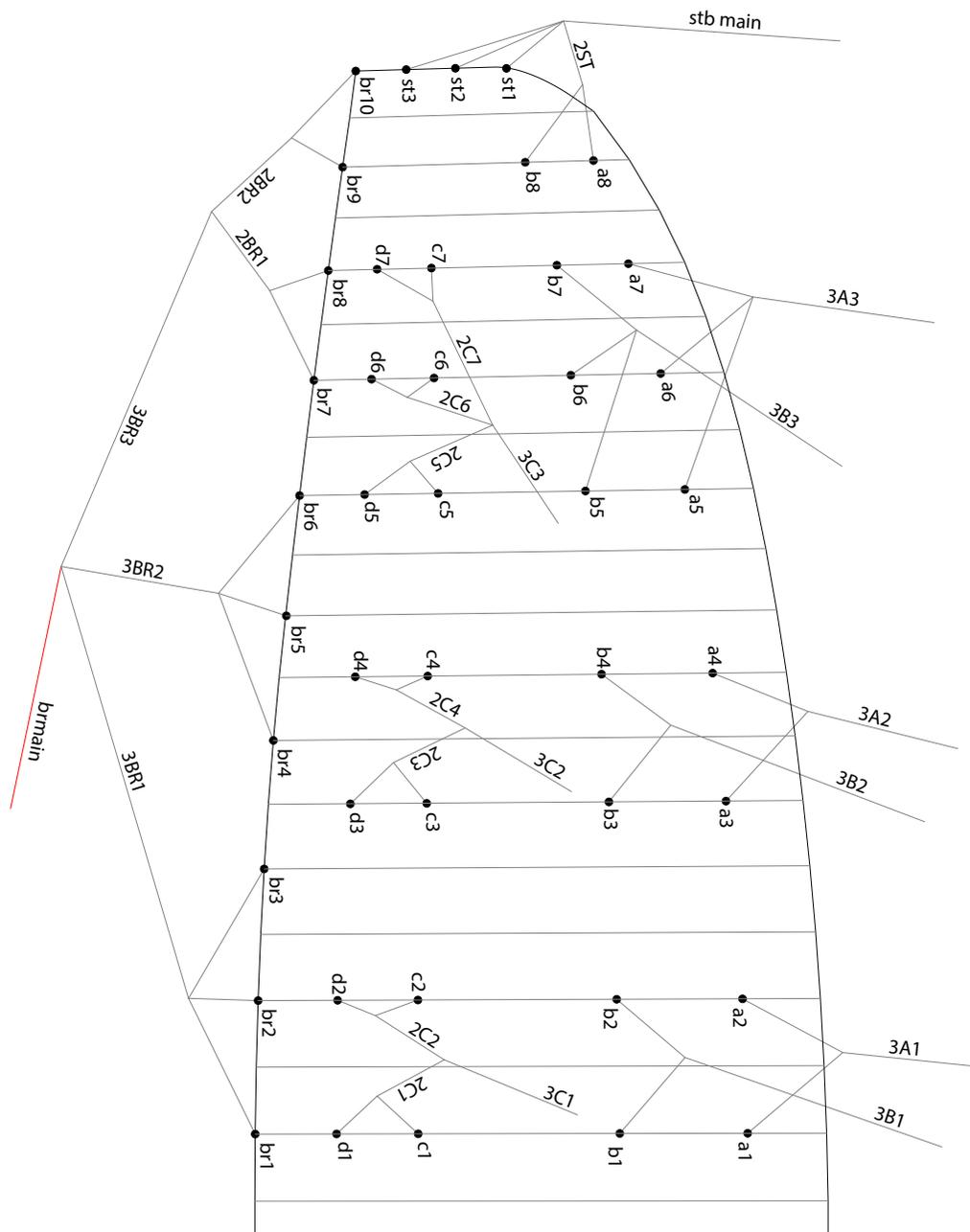
MATERIALS

CANOPY	FABRIC CODE	SUPPLIER
UPPER SURFACE	N30 DMF	DOMINICO TEX CO (KOREA)
BOTTOM SURFACE	N20 DMF	DOMINICO TEX CO (KOREA)
PROFILES	30 DFM	DOMINICO TEX CO (KOREA)
DIAGONALS	30 DFM	DOMINICO TEX CO (KOREA)
LOOPS	LKI - 10	KOLON IND. (KOREA)
REINFORCEMENT LOOPS	W-420	D-P (GERMANY)
TRAILING EDGE REINFORCEMENT	MYLAR	D-P (GERMANY)
RIBS REINFORCEMENT	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.

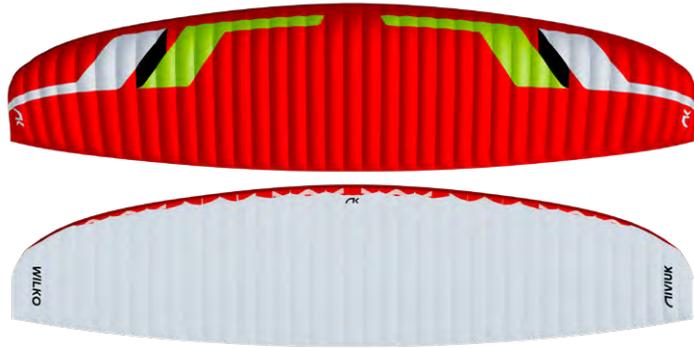
Niviuk strongly recommends for any line replacement to be carried out by an authorised professional only, and will not accept responsibility for any damage or injury caused as a result of incorrect re-assembly.

RISER PLAN

A	A'	B	C
3A1	3A3	3B1	3C1
3A2		3B2	3C2
		3B3	3C3
		Stab	



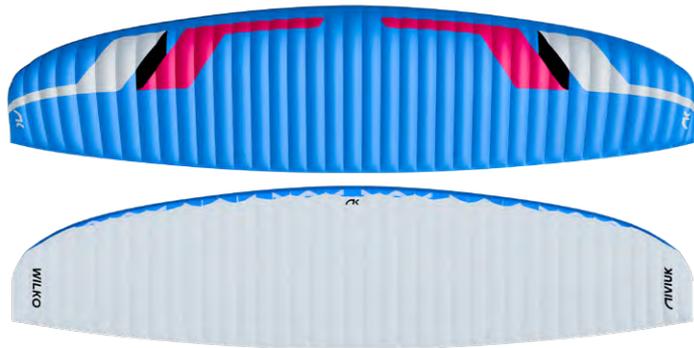
COLORS



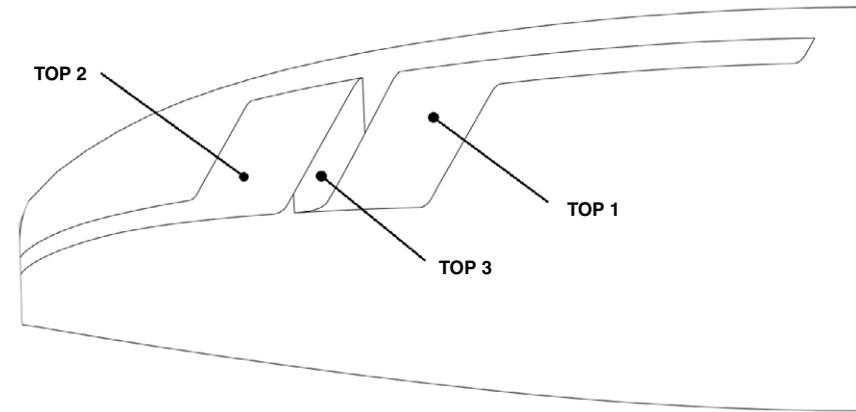
SANDIA	UPPER	RED	LOWER	WHITE
	TOP 1	LIME		
	TOP 2	WHITE		
	TOP 3	BLACK		



EARTH	UPPER	GOLD	LOWER	WHITE
	TOP 1	SPECTRA GREEN		
	TOP 2	WHITE		
	TOP 3	BLACK		



ANTARTIK	UPPER	ROYAL BLUE	LOWER	WHITE
	TOP 1	PINK		
	TOP 2	WHITE		
	TOP 3	BLACK		



WING LOAD

WILKO

22		24		26		28		31	
P.T.V.	KG/M2								
50	= 2,27	60	= 2,50	75	= 2,88	90	= 3,21	105	= 3,39
55	= 2,50	65	= 2,71	80	= 3,08	95	= 3,39	110	= 3,55
60	= 2,73	70	= 2,92	85	= 3,27	100	= 3,57	115	= 3,71
65	= 2,95	75	= 3,13	90	= 3,46	105	= 3,75	120	= 3,87
70	= 3,18	80	= 3,33	95	= 3,65	110	= 3,93	125	= 4,03
75	= 3,41	85	= 3,54	100	= 3,85	115	= 4,11	130	= 4,19
80	= 3,64	90	= 3,75	105	= 4,04	120	= 4,29	135	= 4,35
85	= 3,86	95	= 3,96	110	= 4,23	125	= 4,46	140	= 4,52
90	= 4,09	100	= 4,17	115	= 4,42	130	= 4,64	145	= 4,68
95	= 4,32	105	= 4,38	120	= 4,62	135	= 4,82	150	= 4,84
100	= 4,55	110	= 4,58	125	= 4,81	140	= 5,00	155	= 5,00
		115	= 4,79	130	= 5,00	145	= 5,18	160	= 5,16

LINES

WILKO - 22

ref.	mat.	kg	color	mm
A				
a1	TNL	140	GREEN	1347
a2	TNL	140	GREEN	1329
a3	TNL	140	GREEN	1261
a4	TNL	140	GREEN	1269
a5	TNL	80	GREEN	1957
a6	TNL	80	GREEN	1844
a7	TNL	80	GREEN	1768
a8	TNL	80	GREEN	918
st1	TNL	80	RED	1609

2ST	TNL	80	RED	878
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3A1	TNL	400	GREEN	4532
3A2	TNL	400	GREEN	4604
3A3	TNL	280	GREEN	3901

ref.	mat.	kg	color	mm
B				
b1	TNL	140	BLUE	1337
b2	TNL	140	BLUE	1317
b3	TNL	140	BLUE	1237
b4	TNL	140	BLUE	1249
b5	TNL	80	BLUE	1881
b6	TNL	80	BLUE	1780
b7	TNL	80	BLUE	1724
b8	TNL	80	RED	870
st2	TNL	80	RED	1636

3B1	TNL	400	BLUE	4452
3B2	TNL	280	BLUE	4542
3B3	TNL	220	BLUE	3908
STB MAIN	TNL	140	RED	3734

ref.	mat.	kg	color	mm
C				
c1	TNL	80	BLUE	954
c2	TNL	80	BLUE	937
c3	TNL	80	BLUE	888
c4	TNL	80	BLUE	849
c5	TNL	80	BLUE	664
c6	TNL	80	BLUE	735
c7	TNL	80	BLUE	494
st3	TNL	80	RED	1699

2C1	TNL	140	BLUE	210
2C2	TNL	140	BLUE	213
2C3	TNL	140	BLUE	191
2C4	TNL	140	BLUE	248
2C5	TNL	80	BLUE	948
2C6	TNL	80	BLUE	764
2C7	TNL	80	BLUE	968

3C1	TNL	280	BLUE	4676
3C2	TNL	220	BLUE	4765
3C3	TNL	220	BLUE	4276

ref.	mat.	kg	color	mm
D				
d1	TNL	80	BLUE	1065
d2	TNL	80	BLUE	1048
d3	TNL	80	BLUE	996
d4	TNL	80	BLUE	946
d5	TNL	80	BLUE	768
d6	TNL	80	BLUE	826
d7	TNL	80	BLUE	565

ref.	mat.	kg	color	mm
BRAKE				
br1	TNL	80	RED	1657
br2	TNL	80	RED	1398
br3	TNL	80	RED	1330
br4	TNL	80	RED	1469
br5	TNL	80	RED	1336
br6	TNL	80	RED	1338
br7	TNL	80	RED	704
br8	TNL	80	RED	484
br9	TNL	80	RED	851
br10	TNL	80	RED	637

2BR1	TNL	80	RED	909
2BR2	TNL	80	RED	338
3BR1	TNL	80	RED	2277
3BR2	TNL	80	RED	2040

brmain	TARAX	240	RED	3116
				KNOT POINT 1: 2836
				KNOT POINT 2: 2916

LINES

WILKO - 24

ref.	mat.	kg	color	mm
A				
a1	TNL	140	GREEN	1406
a2	TNL	140	GREEN	1389
a3	TNL	140	GREEN	1316
a4	TNL	140	GREEN	1325
a5	TNL	80	GREEN	2044
a6	TNL	80	GREEN	1926
a7	TNL	80	GREEN	1848
a8	TNL	80	GREEN	959
st1	TNL	80	RED	1680

2ST	TNL	80	RED	917
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3A1	TNL	400	GREEN	4756
3A2	TNL	400	GREEN	4834
3A3	TNL	280	GREEN	4102

ref.	mat.	kg	color	mm
B				
b1	TNL	140	BLUE	1395
b2	TNL	140	BLUE	1377
b3	TNL	140	BLUE	1291
b4	TNL	140	BLUE	1305
b5	TNL	80	BLUE	1965
b6	TNL	80	BLUE	1860
b7	TNL	80	BLUE	1802
b8	TNL	80	RED	908
st2	TNL	80	RED	1709

3B1	TNL	400	BLUE	4671
3B2	TNL	280	BLUE	4769
3B3	TNL	220	BLUE	4110
STB MAIN	TNL	140	RED	3929

ref.	mat.	kg	color	mm
C				
c1	TNL	80	BLUE	996
c2	TNL	80	BLUE	979
c3	TNL	80	BLUE	927
c4	TNL	80	BLUE	887
c5	TNL	80	BLUE	693
c6	TNL	80	BLUE	768
c7	TNL	80	BLUE	516
st3	TNL	80	RED	1774

2C1	TNL	140	BLUE	219
2C2	TNL	140	BLUE	224
2C3	TNL	140	BLUE	199
2C4	TNL	140	BLUE	259
2C5	TNL	80	BLUE	990
2C6	TNL	80	BLUE	798
2C7	TNL	80	BLUE	1012

3C1	TNL	280	BLUE	4906
3C2	TNL	220	BLUE	5002
3C3	TNL	220	BLUE	4494

ref.	mat.	kg	color	mm
D				
d1	TNL	80	BLUE	1113
d2	TNL	80	BLUE	1094
d3	TNL	80	BLUE	1040
d4	TNL	80	BLUE	988
d5	TNL	80	BLUE	802
d6	TNL	80	BLUE	863
d7	TNL	80	BLUE	590

ref.	mat.	kg	color	mm
BRAKE				
br1	TNL	80	RED	1730
br2	TNL	80	RED	1461
br3	TNL	80	RED	1390
br4	TNL	80	RED	1533
br5	TNL	80	RED	1395
br6	TNL	80	RED	1398
br7	TNL	80	RED	735
br8	TNL	80	RED	507
br9	TNL	80	RED	889
br10	TNL	80	RED	666

2BR1	TNL	80	RED	948
2BR2	TNL	80	RED	354
3BR1	TNL	80	RED	2375
3BR2	TNL	80	RED	2131

brmain	TARAX	240	RED	3268
				KNOT POINT 1: 2988
				KNOT POINT 2: 3068

LINES

WILKO - 26

ref.	mat.	kg	color	mm
A				
a1	TNL	140	GREEN	1463
a2	TNL	140	GREEN	1447
a3	TNL	140	GREEN	1369
a4	TNL	140	GREEN	1380
a5	TNL	80	GREEN	2128
a6	TNL	80	GREEN	2005
a7	TNL	80	GREEN	1924
a8	TNL	80	GREEN	998
st1	TNL	80	RED	1749

2ST	TNL	80	RED	955
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3A1	TNL	400	GREEN	4970
3A2	TNL	400	GREEN	5055
3A3	TNL	280	GREEN	4295

ref.	mat.	kg	color	mm
B				
b1	TNL	140	BLUE	1452
b2	TNL	140	BLUE	1434
b3	TNL	140	BLUE	1343
b4	TNL	140	BLUE	1359
b5	TNL	80	BLUE	2045
b6	TNL	80	BLUE	1936
b7	TNL	80	BLUE	1876
b8	TNL	80	RED	945
st2	TNL	80	RED	1778

3B1	TNL	400	BLUE	4881
3B2	TNL	280	BLUE	4987
3B3	TNL	220	BLUE	4303
STB MAIN	TNL	140	RED	4116

ref.	mat.	kg	color	mm
C				
c1	TNL	80	BLUE	1037
c2	TNL	80	BLUE	1019
c3	TNL	80	BLUE	965
c4	TNL	80	BLUE	923
c5	TNL	80	BLUE	722
c6	TNL	80	BLUE	799
c7	TNL	80	BLUE	537
st3	TNL	80	RED	1847

2C1	TNL	140	BLUE	227
2C2	TNL	140	BLUE	234
2C3	TNL	140	BLUE	206
2C4	TNL	140	BLUE	270
2C5	TNL	80	BLUE	1030
2C6	TNL	80	BLUE	831
2C7	TNL	80	BLUE	1054

3C1	TNL	280	BLUE	5126
3C2	TNL	220	BLUE	5230
3C3	TNL	220	BLUE	4703

ref.	mat.	kg	color	mm
D				
d1	TNL	80	BLUE	1158
d2	TNL	80	BLUE	1139
d3	TNL	80	BLUE	1082
d4	TNL	80	BLUE	1028
d5	TNL	80	BLUE	835
d6	TNL	80	BLUE	898
d7	TNL	80	BLUE	614

ref.	mat.	kg	color	mm
BRAKE				
br1	TNL	80	RED	1800
br2	TNL	80	RED	1521
br3	TNL	80	RED	1448
br4	TNL	80	RED	1595
br5	TNL	80	RED	1452
br6	TNL	80	RED	1457
br7	TNL	80	RED	765
br8	TNL	80	RED	528
br9	TNL	80	RED	925
br10	TNL	80	RED	693

2BR1	TNL	80	RED	986
2BR2	TNL	80	RED	370
3BR1	TNL	80	RED	2468
3BR2	TNL	80	RED	2218

brmain	TARAX	240	RED	3409
				KNOT POINT 1: 3129
				KNOT POINT 2: 3209

LINES

WILKO - 28

ref.	mat.	kg	color	mm
A				
a1	TNL	140	GREEN	1518
a2	TNL	140	GREEN	1502
a3	TNL	140	GREEN	1421
a4	TNL	140	GREEN	1433
a5	TNL	80	GREEN	2208
a6	TNL	80	GREEN	2081
a7	TNL	80	GREEN	1997
a8	TNL	80	GREEN	1036
st1	TNL	80	RED	1815

2ST	TNL	80	RED	991
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3A1	TNL	400	GREEN	5176
3A2	TNL	400	GREEN	5268
3A3	TNL	280	GREEN	4481

ref.	mat.	kg	color	mm
B				
b1	TNL	140	BLUE	1506
b2	TNL	140	BLUE	1489
b3	TNL	140	BLUE	1393
b4	TNL	140	BLUE	1411
b5	TNL	80	BLUE	2121
b6	TNL	80	BLUE	2009
b7	TNL	80	BLUE	1948
b8	TNL	80	RED	981
st2	TNL	80	RED	1845

3B1	TNL	400	BLUE	5083
3B2	TNL	280	BLUE	5197
3B3	TNL	220	BLUE	4490
STB MAIN	TNL	140	RED	4297

ref.	mat.	kg	color	mm
C				
c1	TNL	80	BLUE	1076
c2	TNL	80	BLUE	1058
c3	TNL	80	BLUE	1002
c4	TNL	80	BLUE	958
c5	TNL	80	BLUE	749
c6	TNL	80	BLUE	830
c7	TNL	80	BLUE	558
st3	TNL	80	RED	1917

2C1	TNL	140	BLUE	235
2C2	TNL	140	BLUE	243
2C3	TNL	140	BLUE	213
2C4	TNL	140	BLUE	281
2C5	TNL	80	BLUE	1069
2C6	TNL	80	BLUE	862
2C7	TNL	80	BLUE	1094

3C1	TNL	280	BLUE	5339
3C2	TNL	220	BLUE	5449
3C3	TNL	220	BLUE	4904

ref.	mat.	kg	color	mm
D				
d1	TNL	80	BLUE	1202
d2	TNL	80	BLUE	1182
d3	TNL	80	BLUE	1123
d4	TNL	80	BLUE	1067
d5	TNL	80	BLUE	866
d6	TNL	80	BLUE	932
d7	TNL	80	BLUE	638

ref.	mat.	kg	color	mm
BRAKE				
br1	TNL	80	RED	1867
br2	TNL	80	RED	1579
br3	TNL	80	RED	1504
br4	TNL	80	RED	1654
br5	TNL	80	RED	1507
br6	TNL	80	RED	1513
br7	TNL	80	RED	794
br8	TNL	80	RED	549
br9	TNL	80	RED	959
br10	TNL	80	RED	720

2BR1	TNL	80	RED	1022
2BR2	TNL	80	RED	385
3BR1	TNL	80	RED	2558
3BR2	TNL	80	RED	2301

brmain	TARAX	240	RED	3541
				KNOT POINT 1: 3261
				KNOT POINT 2: 3341

LINES

WILKO - 31

ref.	mat.	kg	color	mm
A				
a1	TNL	140	GREEN	1596
a2	TNL	140	GREEN	1582
a3	TNL	140	GREEN	1494
a4	TNL	140	GREEN	1508
a5	TNL	80	GREEN	2323
a6	TNL	80	GREEN	2190
a7	TNL	80	GREEN	2103
a8	TNL	80	GREEN	1090
st1	TNL	80	RED	1910

2ST	TNL	80	RED	1042
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3A1	TNL	400	GREEN	5473
3A2	TNL	400	GREEN	5573
3A3	TNL	280	GREEN	4748

ref.	mat.	kg	color	mm
B				
b1	TNL	140	BLUE	1583
b2	TNL	140	BLUE	1568
b3	TNL	140	BLUE	1465
b4	TNL	140	BLUE	1485
b5	TNL	80	BLUE	2232
b6	TNL	80	BLUE	2115
b7	TNL	80	BLUE	2051
b8	TNL	80	RED	1032
st2	TNL	80	RED	1942

3B1	TNL	400	BLUE	5373
3B2	TNL	280	BLUE	5499
3B3	TNL	220	BLUE	4757
STB MAIN	TNL	140	RED	4556

ref.	mat.	kg	color	mm
C				
c1	TNL	80	BLUE	1132
c2	TNL	80	BLUE	1113
c3	TNL	80	BLUE	1054
c4	TNL	80	BLUE	1009
c5	TNL	80	BLUE	788
c6	TNL	80	BLUE	873
c7	TNL	80	BLUE	587
st3	TNL	80	RED	2017

2C1	TNL	140	BLUE	246
2C2	TNL	140	BLUE	257
2C3	TNL	140	BLUE	224
2C4	TNL	140	BLUE	296
2C5	TNL	80	BLUE	1124
2C6	TNL	80	BLUE	907
2C7	TNL	80	BLUE	1152

3C1	TNL	280	BLUE	5643
3C2	TNL	220	BLUE	5764
3C3	TNL	220	BLUE	5193

ref.	mat.	kg	color	mm
D				
d1	TNL	80	BLUE	1264
d2	TNL	80	BLUE	1244
d3	TNL	80	BLUE	1182
d4	TNL	80	BLUE	1123
d5	TNL	80	BLUE	911
d6	TNL	80	BLUE	980
d7	TNL	80	BLUE	671

ref.	mat.	kg	color	mm
BRAKE				
br1	TNL	80	RED	1964
br2	TNL	80	RED	1662
br3	TNL	80	RED	1584
br4	TNL	80	RED	1739
br5	TNL	80	RED	1586
br6	TNL	80	RED	1593
br7	TNL	80	RED	835
br8	TNL	80	RED	578
br9	TNL	80	RED	1009
br10	TNL	80	RED	758

2BR1	TNL	80	RED	2688
2BR2	TNL	80	RED	2421
3BR1	TNL	80	RED	1075
3BR2	TNL	80	RED	406

brmain	TARAX	240	RED	3746
				KNOT POINT 1: 3466
				KNOT POINT 2: 3546

LINE MEASUREMENTS

WILKO - 22

LINES HEIGHT mm

	A	B	C	D	br
1	5874	5784	5830	5941	6758
2	5856	5764	5816	5927	6499
3	5860	5774	5834	5942	6431
4	5868	5786	5852	5949	6333
5	5856	5784	5880	5982	6200
6	5743	5683	5767	5856	6202
7	5667	5627	5730	5799	6231
8	5519	5471	5431		6011
9	5341	5368			5807
10					5593

RISERS LENGHT mm

	A	B	C	
	480	480	480	STANDARD
	480	513	580	TRIMMER OPENED

WILKO - 24

LINES HEIGHT mm

	A	B	C	D	br
1	6157	6061	6111	6238	7093
2	6140	6043	6099	6224	6824
3	6145	6055	6118	6241	6753
4	6154	6069	6138	6249	6652
5	6144	6070	6169	6286	6514
6	6026	5965	6052	6155	6517
7	5948	5907	6014	6096	6548
8	5794	5743	5703		6320
9	5609	5638			6108
10					5885

RISERS LENGHT mm

	A	B	C	
	480	480	480	STANDARD
	480	513	580	TRIMMER OPENED

WILKO - 26

LINES HEIGHT mm

	A	B	C	D	br
1	6428	6328	6380	6501	7385
2	6412	6310	6369	6489	7106
3	6419	6325	6391	6508	7033
4	6430	6341	6413	6518	6930
5	6421	6343	6447	6558	6787
6	6298	6234	6325	6422	6792
7	6217	6174	6286	6361	6825
8	6058	6005	5961		6588
9	5863	5892			6369
10					6137

RISERS LENGHT mm

	A	B	C	
	480	480	480	STANDARD
	480	513	580	TRIMMER OPENED

WILKO - 28

LINES HEIGHT mm

	A	B	C	D	br
1	6689	6584	6640	6766	7674
2	6673	6567	6630	6754	7386
3	6684	6585	6654	6775	7311
4	6696	6603	6678	6787	7204
5	6687	6606	6714	6829	7057
6	6560	6494	6588	6688	7063
7	6476	6433	6548	6626	7098
8	6313	6258	6212		6853
9	6110	6140			6626
10					6387

RISERS LENGHT mm

A	B	C	
480	480	480	STANDARD
480	513	580	TRIMMER OPENED

WILKO - 31

LINES HEIGHT mm

	A	B	C	D	br
1	7064	6951	7011	7143	8106
2	7050	6936	7003	7134	7804
3	7062	6959	7032	7160	7726
4	7076	6979	7059	7173	7614
5	7069	6984	7097	7218	7461
6	6936	6867	6965	7070	7468
7	6849	6803	6924	7006	7507
8	6677	6619	6571		7250
9	6464	6496			7012
10					6761

RISERS LENGHT mm

A	B	C	
480	480	480	STANDARD
480	513	580	TRIMMER OPENED

SUSPENSION

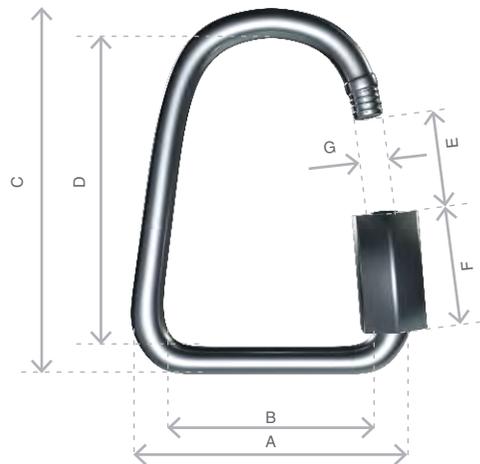
MATERIAL CODE		TNL	TNL	TNL	TNL	TNL	TARAX
STRENGTH CODE		080	140	220	280	400	240
DIAMETER mm	∅	1,1	1,4	1,6	1,8	2,3	1,9
CORE MATERIAL		TECHNORA	TECHNORA	TECHNORA	TECHNORA	TECHNORA	DYNEEMA
SLEEVE MATERIAL		POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER
WEIGHT g/m	TOTAL	1,1	1,2	1,6	2,7	4	2,3
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	MR14
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
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%

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
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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 mm
THICKNESS	1,6 mm
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 mm
THICKNESS	0,80 mm
BREAKING STRENGTH	130 DN
ELONGATION	35 %
WEIGHT	32 G * L.M.
COLOR	GREEN

LOOPS

N° OF REFERENCE	LKI - 10
MATERIAL	NYLON
WIDTH	10 mm
BREAKING STRENGTH	84 KG
ELONGATION	30 %
WEIGHT	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