

**PIVIUK** BEYOND  
THE GLIDE



# ARTIK R

Technical specifications

# TECHNICAL SPECIFICATIONS

			21	23	25	27	29
<b>Cells</b>	Number		64	64	64	64	64
<b>Aspect ratio</b>	Flat		6,5	6,5	6,5	6,5	6,5
	Projected		4,97	4,97	4,97	4,97	4,97
<b>Area</b>	Flat	m <sup>2</sup>	21,5	23	24,5	26,5	29
	Projected	m <sup>2</sup>	18,36	19,64	20,92	22,63	24,76
<b>Span</b>	Flat	m	11,68	12,23	12,75	13,25	13,73
<b>Chord</b>	Max	m	2,31	2,39	2,47	2,57	2,69
<b>Lines</b>	Total	m	198	205	212	221	231
	Main		2-1/3	2-1/3	2-1/3	2-1/3	2-1/3
<b>Risers</b>	Number		A-A'/B	A-A'/B	A-A'/B	A-A'/B	A-A'/B
	Speed-bar	mm	150	150	170	170	170
<b>Glider weight</b>		kg	4,35	4,55	4,77	5,1	5,5
<b>Total weight in flight</b>	Min-Max	kg	65-85	80-95	90-105	100-120	110-135
<b>Opt. weight in flight</b>	Min-Max	kg	72-82	87-92	97-102	110-115	123-128
<b>Certification</b>			EN C	EN C	EN C	EN C	EN C

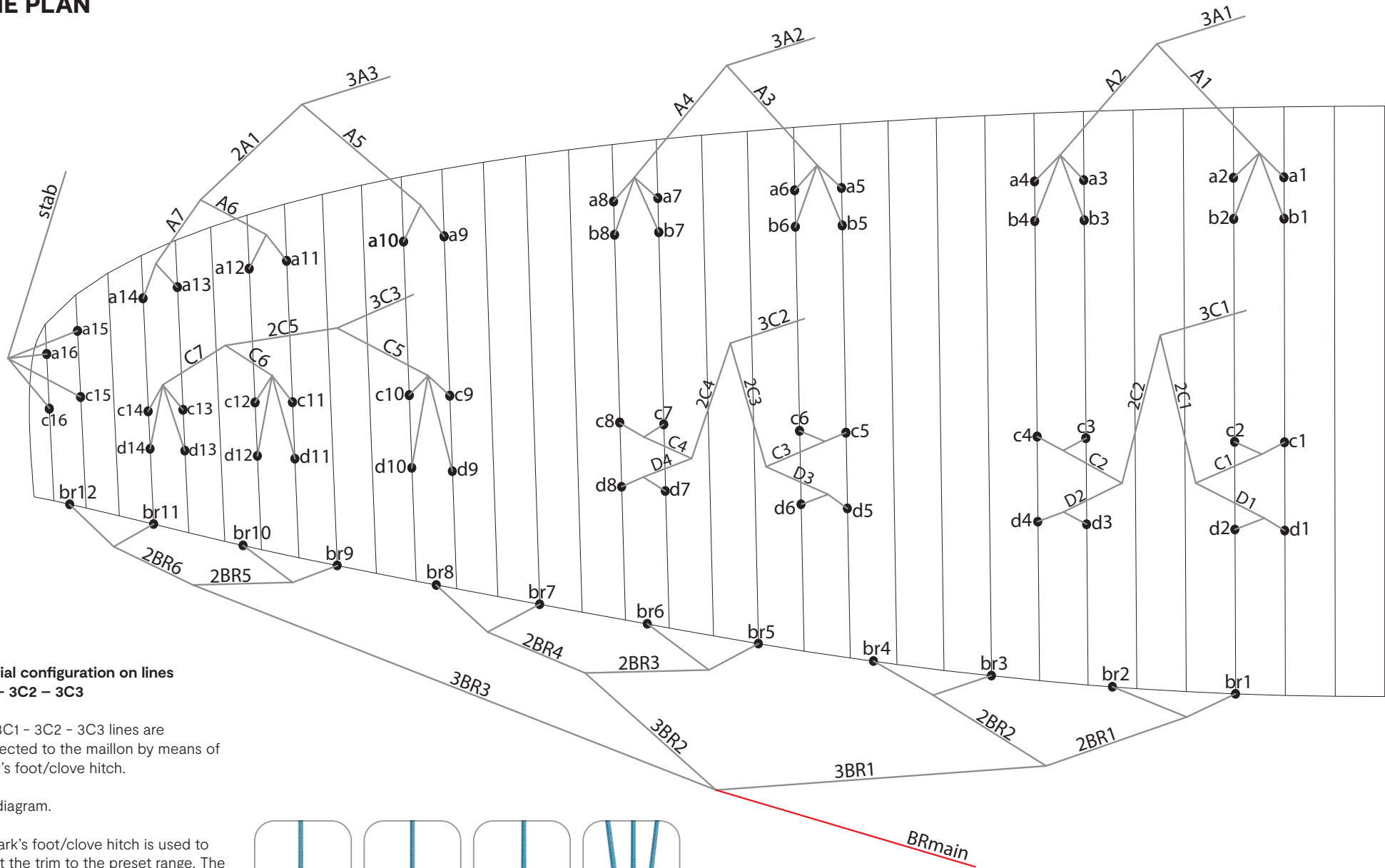
## MATERIALS TECHNICAL DATA

CANOPY	FABRIC CODE	SUPPLIER
UPPER SURFACE	30 DMF / N20 DMF	DOMINICO TEX CO (KOREA)
BOTTOM SURFACE	70000 E3H	PORCHER IND (FRANCE)
PROFILES	30 DFM / 2044 32 FM	DOMINICO TEX CO (KOREA)
DIAGONALS	30 DFM	DOMINICO TEX CO (KOREA)
LOOPS	LKI - 10	KOLON IND. (KOREA)
REINFORCEMENT LOOPS	RIPSTOP FABRIC	DOMINICO TEX CO (KOREA)
TRAILING EDGE REINFORCEMENT	MYLAR	D-P (GERMANY)
RIBS REINFORCEMENT	LTN-0.8 STICK	SPORTWARE CO.CHINA
THREAD	SERAFIL 60	AMAN (GERMANY)

SUSPENSION LINES	FABRIC CODE	SUPPLIER
UPPER CASCADES	DC - 40	LIROS GMHB (GERMANY)
UPPER CASCADES	A-8001/U 50	EDELRID (GERMANY)
UPPER CASCADES	A-8001/U 70	EDELRID (GERMANY)
MIDDLE CASCADES	DC - 40	LIROS GMHB (GERMANY)
MIDDLE CASCADES	A-8001/U 50	EDELRID (GERMANY)
MIDDLE CASCADES	A-8001/U 70	EDELRID (GERMANY)
MIDDLE CASCADES	A-8001/U 90	EDELRID (GERMANY)
MIDDLE CASCADES	A-8001/U 190	EDELRID (GERMANY)
MIDDLE CASCADES	A-8001/U 230	EDELRID (GERMANY)
MAIN	A-8001/U 50	EDELRID (GERMANY)
MAIN	A-8001/U 70	EDELRID (GERMANY)
MAIN	A-8001/U 190	EDELRID (GERMANY)
MAIN	A-8001/U 340	EDELRID (GERMANY)
MAIN	A-8001/U 470	EDELRID (GERMANY)
MAIN BREAK	TARAX-200	EDELRID (GERMANY)
THREAD	SERAFIL 60	AMAN (GERMANY)

RISERS	FABRIC CODE	SUPPLIER
MATERIAL	3455	COUSIN (FRANCE)
COLOR INDICATOR	210D	TECNI SANGLES (FRANCE)
THREAD	V138	COATS (ENGLAND)
MAILLONS	3.5	ANSUNG PRECISION (KOREA)
PULLEYS	RF25109	RONSTAN (AUSTRALIA)

# LINE PLAN



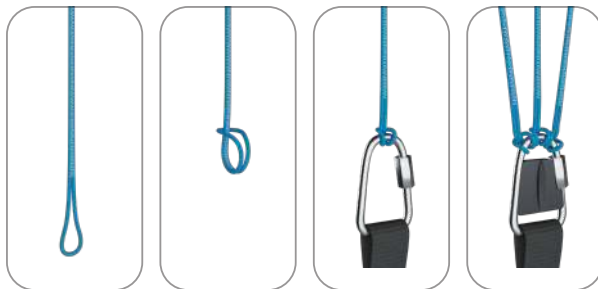
## Special configuration on lines 3C1 – 3C2 – 3C3

The 3C1 – 3C2 – 3C3 lines are connected to the maillon by means of a lark's foot/clove hitch.

See diagram.

The lark's foot/clove hitch is used to adjust the trim to the preset range. The loop will allow readjustment of the trim due to use, stretching or shrinking.

Failure to make this loop compromises the trim of the wing and the safety of the pilot.



# RISER PLAN

<b>A</b>	<b>A'</b>	<b>B</b>
3A1	3A3	3C1
3A2	stab	3C2
		3C3



## COLORS



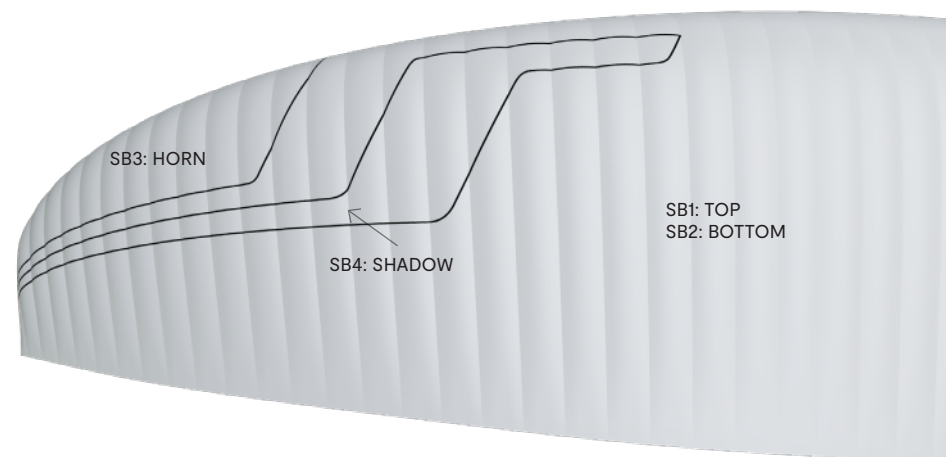
<b>DISKUS</b>	SB1	SPECTRA GREEN	TOP	REF: 5335
	SB2	WHITE	BOTTOM - ALL WHITE	REF: 001
	SB3	WHITE	HORN	REF: 001
	SB4	DRAGON RED	SHADOW	REF: 636



<b>OPAK</b>	SB1	SLATE BLUE	TOP	REF: 317
	SB2	WHITE	BOTTOM - ALL WHITE	REF: 001
	SB3	WHITE	HORN	REF: 001
	SB4	ORANGE	SHADOW	REF: 744



<b>WASP</b>	SB1	GOLD	TOP	REF: 939
	SB2	WHITE	BOTTOM - ALL WHITE	REF: 001
	SB3	SPECTRA GREEN	HORN	REF: 5335
	SB4	BLACK	SHADOW	REF: 102



# WING LOAD TECHNICAL DATA

## ARTIK R

21		23		25		27		29	
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
65	= 3,02	80	= 3,48	90	= 3,67	100	= 3,77	110	= 3,79
66	= 3,07	81	= 3,52	91	= 3,71	101	= 3,81	111	= 3,83
67	= 3,12	82	= 3,57	92	= 3,76	102	= 3,85	112	= 3,86
68	= 3,16	83	= 3,61	93	= 3,80	103	= 3,89	113	= 3,90
69	= 3,21	84	= 3,65	94	= 3,84	104	= 3,92	114	= 3,93
70	= 3,26	85	= 3,70	95	= 3,88	105	= 3,96	115	= 3,97
71	= 3,30	86	= 3,74	96	= 3,92	106	= 4,00	116	= 4,00
72	= 3,35	87	= 3,78	97	= 3,96	107	= 4,04	117	= 4,03
73	= 3,40	88	= 3,83	98	= 4,00	108	= 4,08	118	= 4,07
74	= 3,44	89	= 3,87	99	= 4,04	109	= 4,11	119	= 4,10
75	= 3,49	90	= 3,91	100	= 4,08	110	= 4,15	120	= 4,14
76	= 3,53	91	= 3,96	101	= 4,12	111	= 4,19	121	= 4,17
77	= 3,58	92	= 4,00	102	= 4,16	112	= 4,23	122	= 4,21
78	= 3,63	93	= 4,04	103	= 4,20	113	= 4,26	123	= 4,24
79	= 3,67	94	= 4,09	104	= 4,24	114	= 4,30	124	= 4,28
80	= 3,72	95	= 4,13	105	= 4,29	115	= 4,34	125	= 4,31
81	= 3,77					116	= 4,38	126	= 4,34
82	= 3,81					117	= 4,42	127	= 4,38
83	= 3,86					118	= 4,45	128	= 4,41
84	= 3,91					119	= 4,49	129	= 4,45
85	= 3,95					120	= 4,53	130	= 4,48
								131	= 4,52
								132	= 4,55
								133	= 4,59
								134	= 4,62
								135	= 4,66







# LINE MEASUREMENTS

## ARTIK R - 21

LINES HEIGHT + RISER mm

	A	B	C	D	BR
1	7170	7128	7140	7265	7328
2	7138	7093	7105	7235	7175
3	7118	7074	7082	7208	7081
4	7136	7095	7100	7217	7148
5	7068	7030	7022	7135	6952
6	7031	6991	6980	7096	6761
7	6966	6930	6920	7025	6687
8	6965	6931	6922	7015	6751
9	6823		6793	6923	6591
10	6772		6741	6871	6454
11	6649		6634	6730	6415
12	6625		6611	6701	6509
13	6610		6604	6674	
14	6627		6626	6684	
15	6428		6425		
16	6381		6405		

RISERS LENGHT mm

A	A'	B	
500	500	500	STANDARD
350	395	500	ACCELERATED

## ARTIK R - 23

LINES HEIGHT + RISER mm

	A	B	C	D	BR
1	7419	7376	7383	7513	7601
2	7386	7340	7348	7482	7444
3	7367	7322	7326	7456	7348
4	7386	7344	7345	7465	7418
5	7317	7278	7265	7382	7215
6	7278	7237	7222	7342	7018
7	7213	7175	7160	7269	6943
8	7211	7176	7163	7259	7010
9	7062		7030	7164	6843
10	7009		6977	7111	6702
11	6882		6865	6965	6663
12	6858		6842	6935	6761
13	6841		6835	6907	
14	6864		6858	6918	
15	6658		6656		
16	6609		6635		

RISERS LENGHT mm

A	A'	B	
500	500	500	STANDARD
350	395	500	ACCELERATED

# LINE MEASUREMENTS

## ARTIK R - 25

LINES HEIGHT + RISER mm

	A	B	C	D	BR
1	7658	7613	7620	7754	7855
2	7624	7576	7584	7722	7693
3	7605	7558	7562	7696	7595
4	7625	7581	7582	7706	7668
5	7554	7514	7501	7622	7459
6	7515	7472	7458	7580	7257
7	7447	7408	7394	7506	7180
8	7446	7410	7397	7496	7249
9	7292		7260	7398	7079
10	7237		7205	7343	6933
11	7106		7090	7193	6893
12	7082		7066	7162	6994
13	7064		7058	7132	
14	7088		7082	7143	
15	6875		6872		
16	6824		6850		

RISERS LENGHT mm

A	A'	B	
500	500	500	STANDARD
330	375	500	ACCELERATED

## SUSPENSION TECHNICAL DATA

MATERIAL CODE		DC	A-8001/U	A-8001/U	A-8001/U	A-8001/U	A-8001/U	A-8001/U	A-8001/U	A-8001/U	TARAX
STRENGTH CODE		040	50	70	90	130	190	230	340	470	200
DIAMETER m/m	∅	0,5	0,5	0,7	0,8	0,9	1,1	1,1 x 1,4	1,5 X 1,9	1,6 X 2,2	1,7
CORE MATERIAL		DYNEEMA	ARAMID	ARAMID	ARAMID	ARAMID	ARAMID	ARAMID	ARAMID	ARAMID	Dyneema
SLEEVE MATERIAL		NO	NO	NO	NO	NO	NO	NO	NO	NO	Polyester
WEIGHT G/M	TOTAL	0,19	0,25	0,4	0,5	0,8	1,1	1,4	2,2	2,9	2
BREAKING STRENGTH daN	MINIMUM	40	50	70	90	130	190	230	340	470	200
	MAXIMUM	48									
STRENGTH AFTER											
5.000 BENDING	TEST EN	33	26	39	49	88	52	69	196,6		
CYCLES											
ELONGATION AT	5 daN en %		0,4	0,5	0,4	0,4	0,4	0,3	0,2	0,5	0,1-0,3
	10 daN en %		0,7	0,7	0,6	0,6	0,6	0,5	0,3	0,6	0,2-0,6
	15 daN en %		1,1	1	0,8	0,8	0,7	0,6	0,4	0,7	0,3-0,7
	20 daN en %		1,5	1,3	1	0,9	0,9	0,7	0,5	0,8	0,3-0,9
	25 daN en %		1,9	1,5	1,3	1	1	0,8	0,6	0,9	0,4-1
	30 daN en %		3,3	2,8	2,3	1,8	1,6	1,3		1,2	
	75 daN en %			3,7	3,2	3,1	2,7	2,3	1,5	1,6	0,8-1,7
	100 daN en %						2,6	3,6	1,9	1,9	1,2-2
	125 daN en %						3,5	3,3		2,3	
	150 daN en %						4,3	3,6	2,6	2,7	1,6-2,4
	175 daN en %									3,1	
	200 daN en %								3,1	3,2	2-2,8
ELONGATION MAX. BREAKING STRENGTH %			3,8	3,9	4,3	4	4,4	4,4		5	

## MAILLON & PULLEY TECHNICAL DATA

### DESCRIPTION

MAILLON	DELTA
CODE	3.5
MATERIAL	STAINLESS STEEL
SIZE	3 m/m
WEIGHT	5 G/PIECE
QUANTITY	6 PIECES
INSERTS	2 GREEN / 4 BLACK

### TECHNICAL SPECIFICATIONS



DIMENSIONS	m/m
L.T.	22
L.I.	14
H.T.	37
H.I.	29
O	5
E	12
T	4
LOAD	KG
WORKING LIMIT	110
BREAKING	550

### 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

### DESCRIPTION

PULLEY	20 m/m
CODE	RF25109
MATERIALS	STAINLESS STEEL
	NYLON
	CARBON ACETAL
BEARING	DELRIN®
WEIGHT	9 G/PIECE

### TECHNICAL SPECIFICATIONS



DIMENSIONS	m/m
L.T.	20
L.I.	20
H.T.	32
Ø	6 max
LOAD	KG
WORKING LIMIT	250
BREAKING	550

## THREAD TECHNICAL DATA

### 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%

### 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
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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 TECHNICAL DATA

### RISERS

N° OF REFERENCE	3455
MATERIAL	POLYESTER & TECHNORA
WIDTH	12 MM
THICKNESS	2,25 MM
BREAKING STRENGTH	1.100 DAN
ELONGATION	MAX. 11%
WEIGHT	21,1 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 - 10
MATERIAL	NYLON
WIDTH	10 M/M
BREAKING STRENGTH	84 KG
ELONGATION	30 %
WEIGHT	5,5 G/M
COLOR	WHITE





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