



KOYOT 4 P

Technical specifications

TECHNICAL DATA

KOYOT 4 P

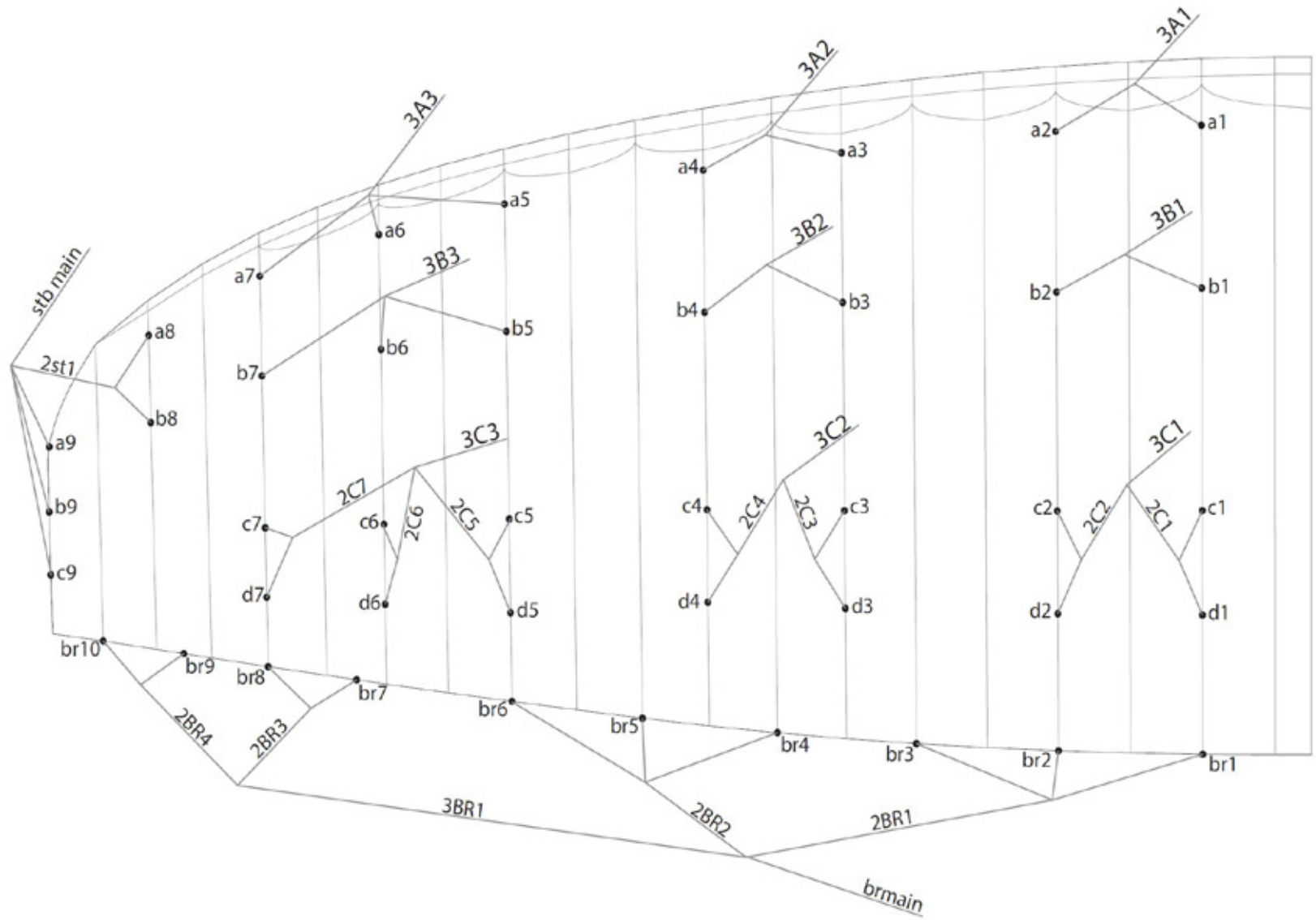
			22	24	26	28
CELLS	NUMBER		39	39	39	39
ASPECT RATIO	FLAT		4,75	4,75	4,75	4,75
AREA	FLAT	M2	22	24	26	28
	PROJECTED	M2	18,75	20,45	22,16	23,86
CORD	MAXIMUM	M	2,64	2,76	2,87	2,98
LINES	TOTAL	M	220	226	240	245
	MAIN		2+1/3/2	2+1/3/2	2+1/3/2	2+1/3/2
RISERS	NUMBER	3+1	A+A'/B/C	A+A'/B/C	A+A'/B/C	A+A'/B/C
	ACCELERATOR	MM	130	130	130	130
TOTAL WEIGHT IN FLIGHT	MIN-MAX	KG	45-70	60-80	75-95	90-115
GLIDER WEIGHT		KG	3,2	3,5	3,8	4,1
GLIDER VOLUME		L	23,5	25	26,5	28
CERTIFICATION	EN/LTF		A	A	A	A

MATERIALS TECHNICAL DATA

CANOPY	FABRIC CODE	SUPPLIER
UPPER SURFACE	70032 E3W	PORCHER IND (FRANCE)
BOTTOM SURFACE	70000 E3H	PORCHER IND (FRANCE)
PROFILES	70000 E91 / 70032 E4D	PORCHER IND (FRANCE)
DIAGONALS	9017 E29 / 70000 E91 / 70032 E4D	PORCHER IND (FRANCE)
LOOPS	LKI - 10	KOLON IND. (KOREA)
REINFORCEMENT LOOPS	W-420	D-P (GERMANY)
TRAILING EDGE REINFORCEMENT	MYLAR	D-P (GERMANY)
RIBS REINFORCEMENT	LTN-0.8/1 STICK	SPORTWARE CO.CHINA
THREAD	SERAFIL 60	AMAN (GERMANY)

SUSPENSION LINES	FABRIC CODE	SUPPLIER
UPPER CASCADES	DC - 60	LIROS GMHB (GERMANY)
UPPER CASCADES	A-8000/U 50	EDELRIID (GERMANY)
UPPER CASCADES	A-8000/U 70	EDELRIID (GERMANY)
UPPER CASCADES	A-8000/U 130	EDELRIID (GERMANY)
MIDDLE CASCADES	TNL - 80	TEIJIM LIMITED (JAPAN)
MIDDLE CASCADES	A-8000/U 70	EDELRIID (GERMANY)
MIDDLE CASCADES	A-8000/U 90	EDELRIID (GERMANY)
MIDDLE CASCADES	A-8000/U 130	EDELRIID (GERMANY)
MAIN	TNL - 220	TEIJIM LIMITED (JAPAN)
MAIN	TNL - 280	TEIJIM LIMITED (JAPAN)
MAIN BREAK	TNL - 280	TEIJIM LIMITED (JAPAN)
THREAD	SERAFIL 60	AMAN (GERMANY)

RISERS	FABRIC CODE	SUPPLIER
MATERIAL	3455	COUSIN (FRANCE)
COLOR INDICATOR	210D	TECNI SANGLES (FRANCE)
THREAD	V138	COATS (ENGLAND)



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

stb main



COLORS TECHNICAL DATA

THUNDER	SB1	GOLD	TOP	REF:19-2047
	SB2	WHITE	BOTTOM - ALL WHITE	REF:001
	SB3	WHITE	PLUME	REF: 939
	SB4	BLACK	SHADOW	REF: 102
	SB5	BLACK	VOLUME SHADOW	REF: 001



BULL	SB1	DRAGON RED	TOP	REF: 636
	SB2	WHITE	BOTTOM - ALL WHITE	REF: 001
	SB3	WHITE	PLUME	REF: 001
	SB4	BLACK	SHADOW	REF: 102
	SB5	BLACK	VOLUME SHADOW	REF: 102



WING LOAD TECHNICAL DATA

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22		24		26		28	
P.T.V.	KG/M2	P.T.V.	KG/M2	P.T.V.	KG/M2	P.T.V.	KG/M2
45	= 2,05	60	= 2,50	75	= 2,88	90	= 3,21
50	= 2,38	65	= 2,71	80	= 3,08	95	= 3,39
55	= 2,62	70	= 2,92	85	= 3,27	100	= 3,57
60	= 2,86	75	= 3,13	90	= 3,46	105	= 3,75
65	= 3,10	80	= 3,33	95	= 3,65	110	= 3,93
70	= 3,33					115	= 4,11

LINES TECHNICAL DATA

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REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	MAT.	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M		
a1	8000/U	130	NATURAL	1348	B1	8000/U	130	NATURAL	1334	c1	8000/U	70	NATURAL	955	d1	8000/U	50	NATURAL	1065	br1	DC	60	WHT	1681
a2	8000/U	130	NATURAL	1314	B2	8000/U	130	NATURAL	1299	c2	8000/U	70	NATURAL	936	d2	8000/U	50	NATURAL	1048	br2	DC	60	WHT	1359
a3	8000/U	130	NATURAL	1278	B3	8000/U	130	NATURAL	1254	c3	8000/U	70	NATURAL	889	d3	8000/U	50	NATURAL	996	br3	DC	60	WHT	1236
a4	8000/U	130	NATURAL	1242	B4	8000/U	130	NATURAL	1222	c4	8000/U	70	NATURAL	847	d4	8000/U	50	NATURAL	946	br4	DC	60	WHT	1472
a5	8000/U	70	NATURAL	1951	B5	8000/U	70	NATURAL	1874	c5	8000/U	50	NATURAL	663	d5	8000/U	50	NATURAL	768	br5	DC	60	WHT	1308
a6	8000/U	70	NATURAL	1844	B6	8000/U	70	NATURAL	1779	c6	8000/U	50	NATURAL	735	d6	8000/U	50	NATURAL	827	br6	DC	60	WHT	1319
a7	8000/U	70	NATURAL	1779	B7	8000/U	70	NATURAL	1735	c7	8000/U	50	NATURAL	494	d7	8000/U	50	NATURAL	565	br7	DC	60	WHT	510
a8	8000/U	50	NATURAL	924	B8	8000/U	50	NATURAL	877	c9	8000/U	50	NATURAL	1670						br8	DC	60	WHT	374
a9	8000/U	50	NATURAL	1577	B9	8000/U	50	NATURAL	1605											br9	DC	60	WHT	559
																				br10	DC	60	WHT	470
					2ST1	8000/U	70	NATURAL	885	2C1	8000/U		NATURAL	210						2BR1	TNL	80	RED	2.226
					STB MAIN	TNL	80	RED	3558	2C2	8000/U		NATURAL	199						2BR2	TNL	80	RED	1.843
										2C3	8000/U		NATURAL	209						2BR3	8000/U	90	NATURAL	620
										2C4	8000/U		NATURAL	225						2BR4	8000/U	90	NATURAL	296
										2C5	8000/U	90	NATURAL	943						3BR1	TNL	80	RED	2.089
										2C6	8000/U	90	NATURAL	764										
										2C7	8000/U	90	NATURAL	980										
3A1	TNL	280	GREEN	4529	3B1	TNL	280	BLUE	4.446	3C1	TNL		BLUE	4674										
3A2	TNL	280	GREEN	4525	3B2	TNL	280	BLUE	4.459	3C2	TNL		BLUE	4685						BRMAIN	TNL	280	RED	3082
3A3	TNL	220	GREEN	3753	3B3	TNL	220	BLUE	3.765	3C3	TNL		BLUE	4130									KNOT POINT	2882

LINES TECHNICAL DATA

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REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	
a1	8000/U	130	NATURAL	1407	B1	8000/U	130	NATURAL	1392	c1	8000/U	70	NATURAL	997	d1	8000/U	50	NATURAL	1113	br1	DC	60	WHT	1756	
a2	8000/U	130	NATURAL	1374	B2	8000/U	130	NATURAL	1358	c2	8000/U	70	NATURAL	978	d2	8000/U	50	NATURAL	1094	br2	DC	60	WHT	1420	
a3	8000/U	130	NATURAL	1335	B3	8000/U	130	NATURAL	1309	c3	8000/U	70	NATURAL	929	d3	8000/U	50	NATURAL	1040	br3	DC	60	WHT	1292	
a4	8000/U	130	NATURAL	1298	B4	8000/U	130	NATURAL	1277	c4	8000/U	70	NATURAL	884	d4	8000/U	50	NATURAL	988	br4	DC	60	WHT	1536	
a5	8000/U	70	NATURAL	2038	B5	8000/U	70	NATURAL	1958	c5	8000/U	50	NATURAL	692	d5	8000/U	50	NATURAL	802	br5	DC	60	WHT	1366	
a6	8000/U	70	NATURAL	1927	B6	8000/U	70	NATURAL	1859	c6	8000/U	50	NATURAL	768	d6	8000/U	50	NATURAL	864	br6	DC	60	WHT	1379	
a7	8000/U	70	NATURAL	1859	B7	8000/U	70	NATURAL	1813	c7	8000/U	50	NATURAL	516	d7	8000/U	50	NATURAL	590	br7	DC	60	WHT	533	
a8	8000/U	50	NATURAL	965	B8	8000/U	50	NATURAL	916	c9	8000/U	50	NATURAL	1744						br8	DC	60	WHT	391	
a9	8000/U	50	NATURAL	1647	B9	8000/U	50	NATURAL	1676											br9	DC	60	WHT	583	
																				br10	DC	60	WHT	491	
					2ST1	8000/U	70	NATURAL	924	2C1	8000/U	130	NATURAL	219						2BR1	TNL	80	RED	2.322	
					STB MAIN	TNL	80	RED	3745	2C2	8000/U	130	NATURAL	208						2BR2	TNL	80	RED	1.925	
										2C3	8000/U	130	NATURAL	217						2BR3	8000/U	90	NATURAL	647	
										2C4	8000/U	130	NATURAL	235						2BR4	8000/U	90	NATURAL	310	
										2C5	8000/U	90	NATURAL	985						3BR1	TNL	80	RED	2.186	
										2C6	8000/U	90	NATURAL	798											
										2C7	8000/U	90	NATURAL	1024											
3A1	TNL	280	GREEN	4752	3B1	TNL	280	BLUE	4.663	3C1	TNL	280	BLUE	4903											
3A2	TNL	280	GREEN	4751	3B2	TNL	280	BLUE	4.682	3C2	TNL	280	BLUE	4919						BRMAIN	TNL	280	RED	3233	
3A3	TNL	220	GREEN	3947	3B3	TNL	220	BLUE	3.960	3C3	TNL	220	BLUE	4340										KNOT POINT	3033

LINES TECHNICAL DATA

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REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	
a1	8000/U	130	NATURAL	1464	b1	8000/U	130	NATURAL	1448	c1	8000/U	70	NATURAL	1038	d1	8000/U	50	NATURAL	1158	br1	DC	60	WHT	1827	
a2	8000/U	130	NATURAL	1431	b2	8000/U	130	NATURAL	1414	c2	8000/U	70	NATURAL	1018	d2	8000/U	50	NATURAL	1139	br2	DC	60	WHT	1479	
a3	8000/U	130	NATURAL	1389	b3	8000/U	130	NATURAL	1362	c3	8000/U	70	NATURAL	967	d3	8000/U	50	NATURAL	1083	br3	DC	60	WHT	1346	
a4	8000/U	130	NATURAL	1352	b4	8000/U	130	NATURAL	1330	c4	8000/U	70	NATURAL	921	d4	8000/U	50	NATURAL	1028	br4	DC	60	WHT	1598	
a5	8000/U	70	NATURAL	2121	b5	8000/U	70	NATURAL	2037	c5	8000/U	50	NATURAL	721	d5	8000/U	50	NATURAL	834	br5	DC	60	WHT	1422	
a6	8000/U	70	NATURAL	2006	b6	8000/U	70	NATURAL	1935	c6	8000/U	50	NATURAL	799	d6	8000/U	50	NATURAL	899	br6	DC	60	WHT	1436	
a7	8000/U	70	NATURAL	1936	b7	8000/U	70	NATURAL	1888	c7	8000/U	50	NATURAL	537	d7	8000/U	50	NATURAL	614	br7	DC	60	WHT	555	
a8	8000/U	50	NATURAL	1004	b8	8000/U	50	NATURAL	953	c9	8000/U	50	NATURAL	1815						br8	DC	60	WHT	407	
a9	8000/U	50	NATURAL	1715	b9	8000/U	50	NATURAL	1745											br9	DC	60	WHT	607	
																				br10	DC	60	WHT	511	
					2ST1	8000/U	70	NATURAL	962	2C1	8000/U	130	NATURAL	227						2BR1	TNL	80	RED	2.413	
					STB MAIN	TNL	80	RED		2C2	8000/U	130	NATURAL	218						2BR2	TNL	80	RED	2.004	
										2C3	8000/U	130	NATURAL	226						2BR3	8000/U	90	NATURAL	672	
										2C4	8000/U	130	NATURAL	245						2BR4	8000/U	90	NATURAL	323	
										2C5	8000/U	90	NATURAL	1025						3BR1	TNL	80	RED	2.278	
										2C6	8000/U	90	NATURAL	831											
										2C7	8000/U	90	NATURAL	1066											
3A1	TNL	280	GREEN	4967	3B1	TNL	280	BLUE	4.873	3C1	TNL	280	BLUE	5124											
3A2	TNL	280	GREEN	4969	3B2	TNL	280	BLUE	4.896	3C2	TNL	280	BLUE	5143						BRMAIN	TNL	280	RED	3377	
3A3	TNL	220	GREEN	4134	3B3	TNL	220	BLUE	4.148	3C3	TNL	220	BLUE	4543										KNOT POINT	3177

LINES TECHNICAL DATA

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REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	REF.	MAT.	KG	COLOUR	M/M	
a1	8000/U	130	NATURAL	1519	b1	8000/U	130	NATURAL	1503	c1	8000/U	70	NATURAL	1077	d1	8000/U	50	NATURAL	1202	br1	DC	60	WHT	1895	
a2	8000/U	130	NATURAL	1486	b2	8000/U	130	NATURAL	1469	c2	8000/U	70	NATURAL	1057	d2	8000/U	50	NATURAL	1182	br2	DC	60	WHT	1535	
a3	8000/U	130	NATURAL	1441	b3	8000/U	130	NATURAL	1413	c3	8000/U	70	NATURAL	1003	d3	8000/U	50	NATURAL	1124	br3	DC	60	WHT	1398	
a4	8000/U	130	NATURAL	1404	b4	8000/U	130	NATURAL	1381	c4	8000/U	70	NATURAL	955	d4	8000/U	50	NATURAL	1067	br4	DC	60	WHT	1658	
a5	8000/U	70	NATURAL	2201	b5	8000/U	70	NATURAL	2114	c5	8000/U	50	NATURAL	748	d5	8000/U	50	NATURAL	866	br5	DC	60	WHT	1476	
a6	8000/U	70	NATURAL	2082	b6	8000/U	70	NATURAL	2008	c6	8000/U	50	NATURAL	829	d6	8000/U	50	NATURAL	933	br6	DC	60	WHT	1492	
a7	8000/U	70	NATURAL	2010	b7	8000/U	70	NATURAL	1960	c7	8000/U	50	NATURAL	557	d7	8000/U	50	NATURAL	638	br7	DC	60	WHT	575	
a8	8000/U	50	NATURAL	1042	b8	8000/U	50	NATURAL	989	c9	8000/U	50	NATURAL	1883						br8	DC	60	WHT	423	
a9	8000/U	50	NATURAL	1779	b9	8000/U	50	NATURAL	1810											br9	DC	60	WHT	629	
																				br10	DC	60	WHT	530	
					2ST1	8000/U	70	NATURAL	998	2C1	8000/U	130	NATURAL	235						2BR1	TNL	80	RED	2.502	
					STB MAIN	TNL	80	RED	4098	2C2	8000/U	130	NATURAL	227						2BR2	TNL	80	RED	2.080	
										2C3	8000/U	130	NATURAL	234						2BR3	8000/U	90	NATURAL	697	
										2C4	8000/U	130	NATURAL	255						2BR4	8000/U	90	NATURAL	336	
										2C5	8000/U	90	NATURAL	1063						3BR1	TNL	80	RED	2.367	
										2C6	8000/U	90	NATURAL	863											
										2C7	8000/U	90	NATURAL	1107											
3A1	TNL	280	GREEN	5173	3B1	TNL	280	BLUE	5.074	3C1	TNL	280	BLUE	5336											
3A2	TNL	280	GREEN	5178	3B2	TNL	280	BLUE	5.103	3C2	TNL	280	BLUE	5359						BRMAIN	TNL	280	RED	3516	
3A3	TNL	220	GREEN	4314	3B3	TNL	220	BLUE	4.328	3C3	TNL	220	BLUE	4739										KNOT POINT	3316

NIVIUK KOYOT 4 P 22

LINES HEIGHT mm					
	A	B	C	D	BR
1	5873	5776	5825	5935	6769
2	5839	5741	5795	5907	6447
3	5799	5709	5769	5876	6324
4	5763	5677	5743	5842	6177
5	5702	5637	5724	5825	6013
6	5595	5542	5617	5705	6024
7	5530	5498	5592	5659	6076
8	5358	5311	5224		5940
9	5131	5159			5801
10					5712
RISERS LENGHT mm					
A	B	C	D	STANDARD	
470	470	470	470	STANDARD	
A	B	C	D	ACCELERATED	
340	340	383	470	ACCELERATED	

NIVIUK KOYOT 4 P 24

LINES HEIGHT mm					
	A	B	C	D	BR
1	6155	6051	6105	6221	7091
2	6122	6017	6075	6191	6755
3	6082	5987	6051	6162	6627
4	6045	5955	6024	6128	6474
5	5983	5916	6005	6111	6304
6	5872	5817	5894	5986	6317
7	5804	5771	5868	5938	6369
8	5625	5576	5485		6227
9	5388	5417			6082
10					5990
RISERS LENGHT mm					
A	B	C	D	STANDARD	
470	470	470	470	STANDARD	
A	B	C	D	ACCELERATED	
340	340	383	470	ACCELERATED	

NIVIUK KOYOT 4 P 26

LINES HEIGHT mm					
	A	B	C	D	BR
1	6427	6317	6375	6495	7397
2	6394	6283	6346	6467	7049
3	6354	6254	6322	6438	6916
4	6317	6222	6295	6402	6759
5	6253	6183	6277	6386	6583
6	6138	6081	6161	6257	6597
7	6068	6034	6134	6207	6652
8	5882	5831	5736		6504
9	5636	5666			6355
10					6259
RISERS LENGHT mm					
A	B	C	D	STANDARD	
470	470	470	470	STANDARD	
A	B	C	D	ACCELERATED	
340	340	383	470	ACCELERATED	

NIVIUK KOYOT 4 P 28

LINES HEIGHT mm					
	A	B	C	D	BR
1	6688	6573	6634	6759	7693
2	6655	6539	6606	6731	7333
3	6615	6512	6582	6703	7196
4	6578	6480	6555	6667	7034
5	6513	6440	6538	6657	6852
6	6394	6334	6419	6524	6868
7	6322	6286	6391	6473	6925
8	6129	6076	5977		6773
9	5873	5904			6618
10					6519
RISERS LENGHT mm					
A	B	C	D	STANDARD	
470	470	470	470	STANDARD	
A	B	C	D	ACCELERATED	
340	340	383	470	ACCELERATED	

SUSPENSION TECHNICAL DATA
KOYOT 4 P

MATERIAL CODE		TNL	TNL	TNL	DC	8000/U	8000/U	8000/U	8000/U
STRENGTH CODE		080	220	280	060	50	70	90	130
DIAMETER mm	Ø	1,1	1,6	1,8	0,6	0,5	0,7	0,8	0,9
CORE MATERIAL		TECHNORA	TECHNORA	TECHNORA	DYNEEMA	ARAMID	ARAMID	ARAMID	ARAMID
SLEEVE MATERIAL		POLYESTER	POLYESTER	POLYESTER	NO	NO	NO	NO	NO
WEIGHT G/M	TOTAL	1,1	1,6	2,7	0,24	0,3	0,4	0,5	0,8
BREAKING STRENGTH	MINIMUM	80	220	280	60	50	70	90	130
	MAXIMUM	92	250	320	84	59	78	110	144
STRENGTH AFTER									
5.000 BENDING	TEST EN	36,7	114,2	134,7	74	26	39	49	88
CYCLES									
ELONGATION AT	5 DAN EN %	0,3	0,2	0,2		0,4	0,5	0,4	0,4
	10 DAN EN %	0,5	0,3	0,3	0,43	0,7	0,7	0,6	0,6
	15 DAN EN %	0,7	0,5	0,4		1,1	1	0,8	0,8
	20 DAN EN %	1	0,6	0,4		1,5	1,3	1	0,9
	25 DAN EN %	1,3	0,7	0,5		1,9	1,5	1,3	1
	30 DAN EN %	2,3	1,2	0,9	1,2	3,3	2,8	2,3	1,8
	75 DAN EN %	2,8	1,8	1,3			3,7	3,2	3,1
	100 DAN EN %		2,2	1,7					
	125 DAN EN %		2,7	2					
	150 DAN EN %		3	2,3					
	175 DAN EN %		3,3	2,7					
	200 DAN EN %		3,8	2,8					
ELONGATION MAX. BREAKING STRENGTH %		3	4	4,1	3,2	3,8	3,9	4,3	4

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%

SERAFIL PROPERTIES

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 M/M
THICKNESS	0,9 M/M
BREAKING STRENGTH	1.078 DAN
ELONGATION	MAX. 11%
WEIGHTH	9,1 G* L.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 %
WEIGHTH	32 G * L.M.
COLOR	GREEN

LOOPS

N° OF REFERENCE	LKI - 10
MATERIAL	NYLON
WIDTH	10 Mm
BREAKING STRENGTH	84 KG
ELONGATION	30 %
WEIGHTH	5,5 G/M
COLOR	WHITE

