

Manufacturing Check Sheet for Paragliders

Piece Check

Glider Type: UP XT19 - K2	Serial No.:
Rev. No.: 1	Date: 01.01.2008

Line lengths [cm]

R.	Area																																
No.	A										B						C																
		Left				Right					Left				Right					Left				Right									
	Nom.	-2 cm	-1 cm	0 cm	+1 cm	+2 cm	-2 cm	-1 cm	0 cm	+1 cm	+2 cm	Nom.	-2 cm	-1 cm	0 cm	+1 cm	+2 cm	-2 cm	-1 cm	0 cm	+1 cm	+2 cm	Nom.	-2 cm	-1 cm	0 cm	+1 cm	+2 cm	-2 cm	-1 cm	0 cm	+1 cm	+2 cm
1	876,5											871,0											877,0										
2	866,5											861,0											867,0										
3	864,5											859,0											865,0										
5	863,0											857,5											863,5										
6	863,0											858,0											863,5										
7	869,5											864,5											870,0										
9	859,5											855,0											860,0										
10	852,0											847,0											852,0										
11	850,5											846,0											850,5										
13	846,0											841,0											844,5										
14	845,0											841,0											843,5										
16	827,5											823,0											826,0										
17	818,5											815,0											818,0										
19	803,0											801,0											803,0										
20	796,5											794,0											796,0										
21	785,5																																
22	765,0											763,0											765,0										
23	751,0																						755,5										

Total line length in cm from riser quick link to canopy including line loops, following DHV measuring method. Line load is 5 daN.

Rib numbering starts in the center of the wing. Wing sides in flight direction, seen from top.

Measurements are rounded to the next 0,5 cm. Please mark measurements relative to nominal by crossing X

R. No.	Area																	rib no. brakes								
	D										E					Brake										
	Nom.	-2 cm	-1 cm	0 cm	+1 cm	+2 cm	-2 cm	-1 cm	0 cm	+1 cm	+2 cm	Nom.	-2 cm	-1 cm	0 cm	+1 cm	+2 cm		Nom.	-2 cm	-1 cm	0 cm	+1 cm	+2 cm		
1	890,0											900,5							990,0							2
2	880,5											891,0							952,0							4
3	878,5											888,5							931,0							6
5	876,5																		918,0							8
6	876,5											886,0							902,5							10
7	882,0																		887,5							12
9	872,0																		879,0							14
10	864,0											873,0							876,5							16
11	861,5																		863,0							18
13	854,0																		850,0							20
14	852,5											858,5							845,5							22
16	834,0																									
17	824,5																									
19	808,0																									
20	800,5																									



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Single Line Lengths

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Line no.	Quantity	Length [cm]	colour	Diameter [mm]
ao1	2	177,5	pink	1,1
ao2	2	167,5	pink	1,1
ao3	2	165,5	pink	1,1
ao4	2	164,0	pink	1,1
ao5	2	164,0	pink	1,1
ao6	2	170,5	pink	1,1
ao7	2	160,5	pink	1,1
ao8	2	153,0	pink	1,1
ao9	2	151,5	pink	1,1
ao10	2	117,0	pink	1,1
ao11	2	116,0	pink	1,1
ao12	2	99,5	pink	1,1
ao13	2	90,5	pink	1,1
ao14	2	75,0	pink	1,1
ao15	2	68,5	pink	1,1
ao16	2	137,0	pink	1,1
ao17	2	116,5	pink	1,1
ao18	2	102,5	pink	1,1
bo1	2	172	blue	1,1
bo2	2	162,0	blue	1,1
bo3	2	160,0	blue	1,1
bo4	2	158,5	blue	1,1
bo5	2	159,0	blue	1,1
bo6	2	165,5	blue	1,1
bo7	2	156,0	blue	1,1
bo8	2	148,0	blue	1,1
bo9	2	147,0	blue	1,1
bo10	2	112,0	blue	1,1
bo11	2	112,0	blue	1,1
bo12	2	95,0	blue	1,1
bo13	2	87,0	blue	1,1
bo14	2	73,0	blue	1,1
bo15	2	66,0	blue	1,1
bo16	2	114,5	blue	1,1
co1	2	179,0	yellow	1,1
co2	2	169,0	yellow	1,1
co3	2	167,0	yellow	1,1
co4	2	165,5	yellow	1,1
co5	2	165,5	yellow	1,1
co6	2	172,0	yellow	1,1
co7	2	162,0	yellow	1,1
co8	2	154,0	yellow	1,1
co9	2	152,5	yellow	1,1
co10	2	116,5	yellow	1,1
co11	2	115,5	yellow	1,1
co12	2	98,0	yellow	1,1
co13	2	90,0	yellow	1,1
co14	2	75,0	yellow	1,1
co15	2	68,0	yellow	1,1
co16	2	116,5	yellow	1,1
co17	2	107,0	yellow	1,1

Line no.	Quantity	Length [cm]	colour	Diameter [mm]
do1	2	193,0	yellow	1,1
do2	2	183,5	yellow	1,1
do3	2	181,5	yellow	1,1
do4	2	179,5	yellow	1,1
do5	2	179,5	yellow	1,1
do6	2	185,0	yellow	1,1
do7	2	175,0	yellow	1,1
do8	2	167,0	yellow	1,1
do9	2	164,5	yellow	1,1
do10	2	127,0	yellow	1,1
do11	2	125,5	yellow	1,1
do12	2	106,0	yellow	1,1
do13	2	96,5	yellow	1,1
do14	2	80,0	yellow	1,1
do15	2	72,5	yellow	1,1
eo1	2	203,5	yellow	1,1
eo2	2	194,0	yellow	1,1
eo3	2	191,5	yellow	1,1
eo4	2	189,0	yellow	1,1
eo5	2	176,0	yellow	1,1
eo6	2	131,5	yellow	1,1
auo1	6	190,0	red	1,5
auo2	2	220,0	red	1,5
auo3	4	170,0	red	1,5
bo1	6	190,0	blue	1,5
bo2	2	220,0	blue	1,5
bo3	4	170,0	blue	1,5
co1	6	190,0	yellow	1,5
co2	2	220,0	yellow	1,5
co3	4	170,0	yellow	1,5
do1	6	190,0	yellow	1,5
do2	2	220,0	yellow	1,5
A1,A2	4	510,0	red	2,1
A3	2	560,0	red	1,9
B1,B2	4	510,0	blue	2,1
B3	2	560,0	blue	1,9
C1,C2	4	510,0	yellow	1,9
C3	2	560,0	yellow	1,9
D1,D2	4	510,0	yellow	1,9
Stabi	2	650,0	red	1,5

Brake no.	Quantity	Length [cm]	colour	Diameter [mm]
brk1	2	253,0	pink	1,1
brk2	2	215,0	pink	1,1
brk3	2	194,0	pink	1,1
brk4	2	181,0	pink	1,1
brk5	2	165,5	pink	1,1
brk6	2	150,5	pink	1,1
brk7	2	142,0	pink	1,1
brk8	2	139,5	pink	1,1
brk9	2	176,0	pink	1,1
brk10	2	163,0	pink	1,1
brk11	2	158,5	pink	1,1
brkou	8	200,0	pink	1,3
brkuu1	4	230,0	red	1,5
brkuu2	2	380,0	red	1,5
Brk Main	2	300,0	orange	2,3

line material

1,1 = cousin ultimate 989 1,1mm
1,3 = cousin ultimate 989 1,3mm
1,5 = cousin ultimate 989 1,5mm
1,9 = cousin ultimate 989 1,9mm
2,1 = cousin ultimate 989 2,1mm
2,3 = cousin 979 dyneema 2,3mm

total length	no. of lines
49053	250