



Service documents

Hike&Cruise

V06/03/2023



Service manual

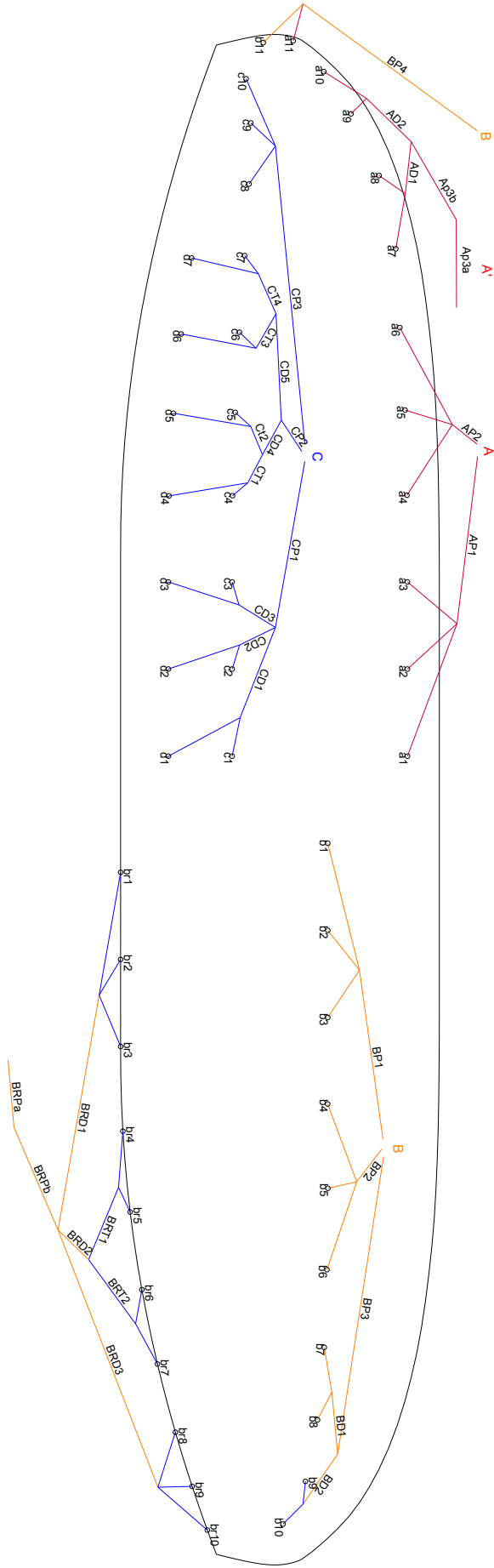
The latest version of service manual is available at:
<https://dudek.eu/en/wing>

Technical inspections

Full inspection is recommended every 12 months or every 100 hours whatever comes first, if not advised otherwise by the inspecting person due to paraglider's condition.

A paraglider can be officially inspected only by the manufacturer or a dealer (authorised to do so).

Hike&Cruise	19	22	25
Certification	-	EN B	EN A
	-	LTF B	LTF A
Number of cells	65	65	65
Surface area (flat) [m²]	19,00	22,00	25,00
Surface area (projected) [m²]	15,87	18,34	20,89
Span (flat) [m]	10,23	11,01	11,73
Span (projected) [m]	8,03	8,64	9,21
Aspect Ratio (flat)	5,60		
Aspect Ratio (projected)	4,06		
Speed [km/h]	Trim = 37; max = 48 + - 2km/h		
Max. chord [mm]	2267,00	2440,00	2601,00
Min. chord [mm]	555,00	597,00	637,00
Distance pilot to wing [m]	6,19	6,66	7,10
Total line length [m]	238,22	257,03	274,59
Total take-off weight [kg]	50-75	65-90	85-105
Maximum symmetric control travel at maximum weight in flight [cm]	55,00	60,00	60,00
Distance between risers [cm]	42,00	43,00	44,00
Weight [kg]	2,37	2,62	2,73
Lines	Technora: 050/070/090/130/190/230/280		
Fabric	Porcher 27 & 29 g/m ²		
	Pocher Hard 26 & 40 g/m ²		
	Porcher adhesive		
Risers	Cousin Technora 7mm		



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Tabele / The tables / Tables / Tabelle:

Długości i rodzaj poszczególnych linek

The individual lengths and type of line

La longueur et le type de chaque ligne

Die einzelnen Leinlängen und Art.

	a	b	c	d	br
1	2280	2426	881	986	1950
2	2197	2348	874	981	1678
3	2237	2382	864	963	1586
4	2004	2285	831	931	1164
5	1926	2223	795	880	984
6	1929	2215	737	815	1022
7	1534	1300	677	724	990
8	1336	1110	1319		1171
9	1057	886	1138		1090
10	1003	854	1079		1112
11	313	321			

Sumaryczna długość linek (z taśmami)

The total lengths (with risers)

Longueur des suspentes (avec élévateurs)

Gesamtlänge der Leinen (mit Tragegurten)

	a	b	c	d	br
1	6653	6620	6714	6819	6960
2	6569	6542	6630	6737	6688
3	6610	6577	6672	6771	6597
4	6598	6561	6685	6785	6416
5	6521	6498	6602	6688	6236
6	6524	6491	6538	6615	6124
7	6374	6350	6501	6549	6092
8	6176	6160	6225		5935
9	6018	6023	6044		5853
10	5965	5990	5985		5876
11	5768	5776			

	CT	BRT
1	468	1504
2	421	1353
3	539	
4	563	

	AD	BD	CD	BRD
1	1161	966	1395	2197
2	1282	1051	1318	944
3			1371	1950
4			1449	
5			1325	

	AP	BP	CP
1	3909	3735	3983
2	4131	3817	3515
3	3320	3619	4428
4		4979	

BRPa 2840

- Technora 2 8001-050: XXXX
- Technora 2 8001-070: XXXX
- Technora 2 8001-090: XXXX
- Technora 2 8001-130: XXXX
- Technora 2 8001-190: XXXX
- Technora 2 8001-230: XXXX
- Technora TSL-190: XXXX

Total suspension lines length, measured from the lower surface of the canopy to the inside edge of themain carabiner(tolerancy +/- 10 mm)



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Tabele / The tables / Tables / Tabelle:

Długości i rodzaj poszczególnych linek

The individual lengths and type of line

La longueur et le type de chaque ligne

Die einzelnen Leinlängen und Art.

	a	b	c	d	br
1	2427	2582	938	1051	2077
2	2340	2501	931	1045	1789
3	2385	2541	920	1026	1692
4	2133	2434	885	992	1240
5	2052	2368	847	938	1051
6	2056	2361	785	868	1090
7	1634	1385	721	772	1056
8	1423	1183	1406		1247
9	1126	944	1212		1161
10	1069	909	1149		1186
11	333	342			

	CT	BRT
1	498	1601
2	449	1444
3	573	
4	600	

	AD	BD	CD	BRD
1	1237	1029	1485	2338
2	1366	1120	1404	1007
3			1463	2083
4			1543	
5			1412	

	AP	BP	CP
1	4200	4015	4279
2	4441	4106	3785
3	3576	3899	4760
4		5348	

BRPa **3050**

Sumaryczna długość linek (z taśmami)

The total lengths (with risers)

Longueur des suspentes (avec élévateurs)

Gesamtlänge der Leinen (mit Tragegurten)

	a	b	c	d	br
1	7091	7061	7167	7280	7466
2	7004	6980	7080	7194	7177
3	7049	7019	7127	7233	7081
4	7039	7004	7147	7254	6890
5	6957	6938	7060	7151	6701
6	6961	6931	6992	7075	6582
7	6802	6782	6954	7005	6548
8	6591	6580	6648		6381
9	6422	6433	6455		6295
10	6365	6398	6392		6320
11	6166	6175			

Technora 2 8001-050: **XXXX**

Technora 2 8001-070: **XXXX**

Technora 2 8001-090: **XXXX**

Technora 2 8001-130: **XXXX**

Technora 2 8001-190: **XXXX**

Technora 2 8001-230: **XXXX**

Technora TSL-190: **XXXX**

Total suspension lines length, measured from the lower surface of the canopy to the inside edge of themain carabiner(tolerancy +/- 10 mm)



Other informations:

Number of risers: 3 (with A riser split into A and A')

Trimmers: YES

Risers' length*:

A - 523

A' - 402

B - 520

C - 518

* lengths of the risers incl. softlinks,
length tolerance +/- 5mm.



Risers' length*

A - 423

A' - 319

B - 456

C - 518

* lengths of the risers incl. softlinks,
length tolerance +/- 5mm.





Jgr m d a n k n m l c l r q _ l b k _ r c p g j q d r p F g c \$ A p s g c

Name of product	Dimension	Supplier
A?LMNW		
Nmpaf cp5. . . . / 36. C7/	26gr	NCV industries
Porcher 09017 1580 E29	40gr	NCV industries
Porcher 70000 1580 E3H	29gr	NCV industries
Porcher 70000 1580 E71	26gr	NCV industries
Porcher 70000 1520 YET	27gr	NCV industries
Nylon Fibre 2,0mm	fi 2,0mm	Zarys
Webbing 57 501/9,5	9,5mm	GUTH & WOLF
Restrix Dyn 2 7249 300	300daN / 2,1x1,0mm	Edelrid
Machine thread Durafix size 60	60	Durak

LINES		
Technora 2 8001 050	0,5mm/50 daN	Edelrid
Technora 2 8001 070	0,7mm/70 daN	Edelrid
Technora 2 8001 090	0,8mm/90 daN	Edelrid
Technora 2 8001 130	1,0mm/130 daN	Edelrid
Technora 2 8001 190	1,1mm/190 daN	Edelrid
Technora 2 8001 230	1,3mm/230 daN	Edelrid
Technora TSL00-0190	1,55mm/190 daN	Liros

RISERS & METAL PARTS		
Webbing technora	7mm	Cousin
Dudek soft-link	16cm	Dudek Paragliders
@s k k c j F r m i @ / 6.	25mm	Finsterwalder
Dc p s j c @ J M A I Q F M A I	5mm/6mm	Ronstan
Rolls – Allen A2020	fi 20mm	Allen
L_nq	12mm	KAPPA
Bw cck _ R m J g c / 0777	1,9mm/550 daN	Cousin
Webbing Slide Protect XTR	5-6mm	Liros
Dc p s j c D P 2	16/4mm	Tylaska
@_ j c q u g c j	29x9mm	NINGBO
Nylon Fibre 3,0mm	fi 3,0mm	Zarys
Normal Inox MRNI02.5	fi 2.5mm	Pequet

Location of use							
	Rm surface	Rm surface	@m r n k surface front	@m r n k surface	P g q suspended	P g q unsususpended	T c a m p c B g e n i j q stripes
Others							
					x	x	x
	x						x
		x		x			

Skytex patch
Reinforcements on ribs
Suspension points
Canopy sewing

Others	Main	Brake	Main Br.
x		x	
x		x	
x	x		
x	x		
	x		
	x		
			x

Riser main
J g i r m n _ p e j d c f
? a a c j c p _ r m p f r m i
Accelerator construction
Accelerator pulley
Brake handle naps
Suspension for brake ferrule
Riser main
@_ j c) ? d p s j c
Suspension brake handles
Toggle reinforcement
Oval