



Service documents



02-2018

SERVICE MANUAL

The latest version of service manual is available at:
www.dudek.eu/en/service-and-inspections/

TECHNICAL INSPECTIONS

Full Inspection is recommended every 24 months or every 150 hours whatever comes first, if not advised otherwise by the inspecting person due to paraglider's condition.

In case of paragliders used commercially (e.g. in schools or tandem flying) a Full Inspection is recommended every 12 months after first 24 months from purchase date or every 100 hours airtime (whatever comes first).

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

TECHNICAL DATA

Report'air	22	24	26	28
Approval - ULM identification	yes	yes	yes	yes
Number of cells	60	60	60	60
Surface area (flat) [m ²]	22,00	24,00	26,00	28,00
Surface area (projected) [m ²]	18,97	20,69	22,42	24,14
Span (flat) [m]	11,10	11,59	12,07	12,52
Span (projected) [m]	8,88	9,28	9,66	10,02
Aspect Ratio (flat)	5,60			
Aspect Ratio (projected)	4,16			
Sink rate [m/s]	min = 1,2 +- 0,2			
Speed [km/h]	min = 26; trim = 38-50; max = 64 +- 3			
Max. cord [mm]	2454,00	2563,00	2668,00	2769,00
Min. cord [mm]	603,00	630,00	656,00	681,00
Distance pilot to wing [m]	6,88	7,19	7,48	7,77
Total line lenght [m]	305,03	319,07	332,54	345,50
Total take-off weight [kg]	85 - 120	95 - 130	105 - 145	115 - 160
Weight [kg]	5,80	6,20	6,50	6,90
Lines	Edelrid A-8000U: 050 / Liros TSL: 090 & 140 & 190 & 280 & 380			
Fabric	Porcher Sport 38 g/m ²			
	Dominico tex 34 g/m ²			
	Porcher Sport Hard 40 g/m ²			
	SR Scrim, SR Laminate 180 g/m ²			
Risers	PASAMON - Bydgoszcz, Polska			

Length of the lines

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The tables / Tables / Tabele:

The individual lengths and type of line

La longueur et le type de chaque ligne

Długo ci i rodzaj poszczególnych linek

	a	b	c	d	br
1	980	976	985	994	1248
2	881	877	885	895	1033
3	882	878	886	896	963
4	938	934	942	953	811
5	933	924	935	949	819
6	875	867	876	888	799
7	874	867	876	888	706
8	924	918	925	936	912
9	763	746	748	761	894
10	671	661	654	661	970
11	719	678	660	665	512
12	700	661	621	610	281
13	761	724	1164		333
14	541	539	609		276
15					285
16					217

The total lengths

Longueur des suspentes

Sumaryczna długo linek

	a	b	c	d	br
1	6359	6303	6410	6551	7371
2	6261	6204	6310	6452	7156
3	6245	6188	6293	6437	7086
4	6302	6245	6349	6494	6970
5	6280	6224	6325	6469	6978
6	6221	6167	6266	6408	6898
7	6216	6164	6260	6401	6805
8	6265	6215	6309	6449	6779
9	6179	6134	6230	6307	6760
10	6087	6048	6136	6207	6836
11	6017	5985	6060	6130	6506
12	5998	5968	6022	6076	6275
13	5795	5759	5825		6061
14	5664	5662	5732		6004
15					5848
16					5780

	AD	BD	CD	DD	BRT
1	903	900	908	918	1212
2	887	883	891	901	1248
3	884	876	886	899	1061
4	879	873	881	892	829
5	730	696	805	869	658
6	612	616	724	789	392
7	388				1546
8	476				

	AP	BP	CP	DP	BRD
1	4507	4458	4541	4659	1968
2	4492	4454	4529	4641	2096
3	4711	4716	4702		1569
4		4666			250

BRP 1	2980
BRP 2	3800
TCL	4380

Technora A 8000U-050:	XXXX
Technora TSL 90:	XXXX
Technora 7343-140:	XXXX
Technora TSL 140:	XXXX
Technora TSL 190:	XXXX
Technora 7343-280:	XXXX
Technora TSL 280:	XXXX
Technora TSL 380:	XXXX

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

Length of the lines

Report'air - 24

The tables / Tables / Tabele:

The individual lengths and type of line

La longueur et le type de chaque ligne

Długo ci i rodzaj poszczególnych linek

	a	b	c	d	br
1	1022	1019	1028	1037	1303
2	920	916	925	935	1079
3	921	917	926	936	1007
4	981	977	985	997	847
5	974	964	976	991	856
6	914	906	915	928	835
7	913	906	915	928	738
8	965	959	966	978	952
9	797	780	781	794	934
10	700	690	683	691	1013
11	751	708	689	694	535
12	731	691	649	637	293
13	795	756	1215		348
14	566	563	636		288
15					298
16					227

The total lengths

Longueur des suspentes

Sumaryczna długo linek

	a	b	c	d	br
1	6665	6606	6716	6862	7697
2	6562	6503	6612	6760	7473
3	6547	6487	6596	6745	7402
4	6607	6548	6655	6805	7281
5	6585	6527	6631	6780	7290
6	6525	6469	6570	6717	7207
7	6520	6466	6565	6710	7110
8	6572	6520	6616	6761	7083
9	6481	6435	6533	6614	7064
10	6385	6345	6435	6510	7144
11	6312	6280	6357	6430	6799
12	6293	6262	6317	6373	6558
13	6081	6042	6111		6334
14	5944	5941	6014		6275
15					6112
16					6041

	AD	BD	CD	DD	BRT
1	943	939	948	958	1266
2	927	923	931	942	1305
3	924	915	925	939	1108
4	919	912	920	932	866
5	762	727	840	908	687
6	639	643	756	824	409
7	405				1624
8	497				

	AP	BP	CP	DP	BRD
1	4730	4678	4764	4887	2055
2	4718	4678	4755	4870	2191
3	4947	4953	4937		1637
4		4901			250

BRP 1	3115
BRP 2	3975
TCL	4555

Technora A 8000U-050:	XXXX
Technora TSL 90:	XXXX
Technora 7343-140:	XXXX
Technora TSL 140:	XXXX
Technora TSL 190:	XXXX
Technora 7343-280:	XXXX
Technora TSL 280:	XXXX
Technora TSL 380:	XXXX

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

Length of the lines

Report'air - 26

The tables / Tables / Tabele:

The individual lengths and type of line

La longueur et le type de chaque ligne

Długo ci i rodzaj poszczególnych linek

	a	b	c	d	br
1	1063	1059	1069	1079	1356
2	957	953	963	974	1123
3	958	954	964	974	1049
4	1022	1018	1026	1038	881
5	1013	1003	1015	1031	891
6	951	943	952	966	869
7	951	943	952	966	768
8	1005	999	1006	1019	991
9	829	811	813	827	972
10	729	718	711	719	1055
11	782	737	717	722	557
12	761	719	675	663	305
13	827	787	1265		362
14	589	586	662		300
15					310
16					237

The total lengths

Longueur des suspentes

Sumaryczna długo linek

	a	b	c	d	br
1	6958	6896	7009	7161	8010
2	6852	6790	6902	7055	7778
3	6837	6775	6886	7040	7704
4	6901	6838	6949	7104	7579
5	6878	6818	6925	7079	7588
6	6816	6758	6862	7013	7503
7	6811	6755	6857	7006	7402
8	6866	6812	6911	7059	7375
9	6771	6723	6825	6909	7356
10	6671	6630	6723	6801	7440
11	6596	6562	6641	6717	7081
12	6575	6544	6600	6658	6829
13	6355	6315	6386		6596
14	6212	6209	6285		6534
15					6365
16					6292

	AD	BD	CD	DD	BRT
1	981	977	987	997	1317
2	965	961	970	981	1360
3	961	952	963	977	1152
4	957	950	958	971	903
5	793	757	875	945	715
6	665	669	787	858	425
7	422				1699
8	517				

	AP	BP	CP	DP	BRD
1	4943	4890	4978	5105	2138
2	4934	4893	4972	5090	2282
3	5174	5180	5162		1703
4		5126			250

BRP 1	3240
BRP 2	4140
TCL	4720

Technora A 8000U-050:	XXXX
Technora TSL 90:	XXXX
Technora 7343-140:	XXXX
Technora TSL 140:	XXXX
Technora TSL 190:	XXXX
Technora 7343-280:	XXXX
Technora TSL 280:	XXXX
Technora TSL 380:	XXXX

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

Length of the lines

Report'air - 28

The tables / Tables / Tabele:

The individual lengths and type of line

La longueur et le type de chaque ligne

Długo ci i rodzaj poszczególnych linek

	a	b	c	d	br
1	1102	1098	1109	1119	1407
2	994	989	999	1010	1166
3	995	990	1000	1011	1089
4	1061	1057	1066	1078	914
5	1051	1040	1053	1070	925
6	987	979	988	1002	901
7	987	978	988	1002	798
8	1043	1037	1045	1057	1027
9	860	842	844	858	1008
10	756	745	738	746	1095
11	811	765	744	750	578
12	790	746	701	688	316
13	859	817	1312		376
14	611	608	687		311
15					322
16					246

The total lengths

Longueur des suspentes

Sumaryczna długo linek

	a	b	c	d	br
1	7239	7175	7291	7448	8322
2	7131	7066	7181	7339	8081
3	7116	7051	7165	7324	8004
4	7183	7118	7231	7391	7875
5	7161	7097	7207	7366	7886
6	7096	7036	7142	7298	7798
7	7092	7033	7137	7291	7694
8	7148	7092	7194	7346	7666
9	7051	7001	7105	7192	7647
10	6947	6904	6999	7080	7734
11	6868	6834	6915	6993	7361
12	6847	6815	6872	6932	7100
13	6618	6577	6650		6859
14	6470	6467	6545		6794
15					6619
16					6543

	AD	BD	CD	DD	BRT
1	1018	1014	1024	1034	1366
2	1002	998	1007	1018	1412
3	997	988	999	1014	1195
4	993	986	994	1007	937
5	823	785	908	980	742
6	690	695	817	890	441
7	438				1772
8	537				

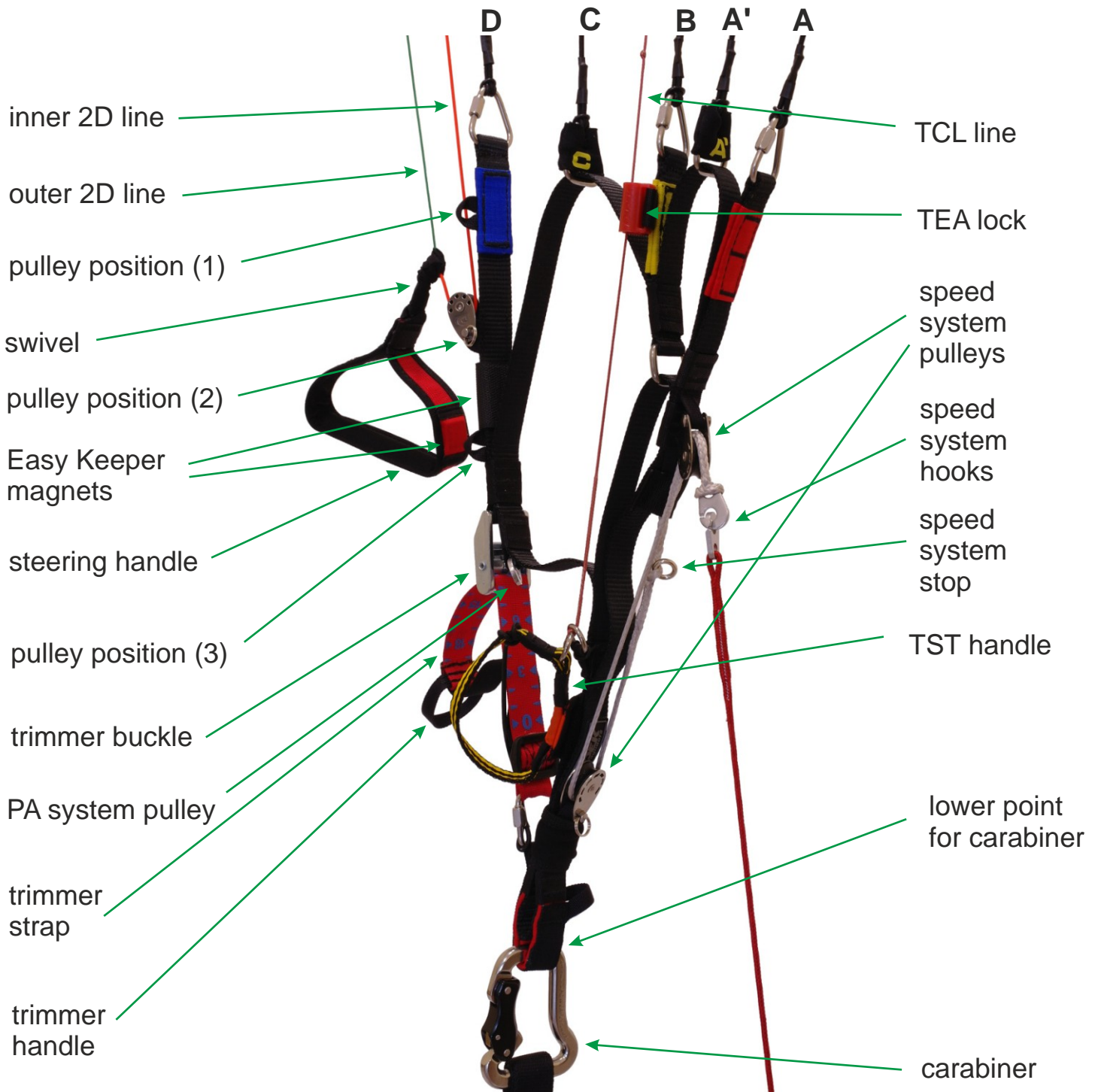
	AP	BP	CP	DP	BRD
1	5149	5093	5184	5315	2217
2	5142	5099	5180	5301	2370
3	5392	5398	5379		1766
4		5342			250

BRP 1	3360
BRP 2	4300
TCL	4880

Technora A 8000U-050:	XXXX
Technora TSL 90:	XXXX
Technora 7343-140:	XXXX
Technora TSL 140:	XXXX
Technora TSL 190:	XXXX
Technora 7343-280:	XXXX
Technora TSL 280:	XXXX
Technora TSL 380:	XXXX

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

Report'air risers



Other informations:

- number of risers: 4 (with A riser split into A and A')
- trimmers: yes

Risers

Slow mode

Trimmers fully closed (0)
Speed-system inactive

Slowest speed,
Minimum sink.
Launch configuration



length of the risers (with maillons)
- length tolerance +/- 5mm

risers neutral:

A - 510
A' - 510
B - 510
C - 462,5
D - 415



Accelerated mode

Trimmers fully opened
Speed-system inactive (alternatively
speed-system engaged with closed trims)

Increased speed



length of the risers (with maillons)
- length tolerance +/- 5mm

Trimmer:

A - 510
A' - 510
B - 510
C - 540
D - 570

Speed:

A - 315
A' - 362,5
B - 410
C - 412,5
D - 415



Full speed mode

Trimmers fully opened
Speed system engaged

Maximum speed



length of the risers (with maillons)
- length tolerance +/- 5mm

Trimmer + Speed:

A - 315
A' - 362,5
B - 410
C - 490
D - 570



