



EDEN⁸



SERVICE MANUAL



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OVERALL LINE LENGTHS EDEN 8

All overall lengths are measured from riser's main attachment point up to the tissue of canopy on attachment points. Brake lines are measured from the Swivel on brake handle up to the trailing edge.

Brake lines are measured inclusive bunching system line

Eden 8 - 21 (XS)

Center	A	B	C	D	BR
1	6960	6882	7023	7146	7352
2	6926	6848	6953	7088	7181
3	6892	6811	6953	7066	7011
4	6911	6832	6932	7084	6996
5	6884	6811	6900	7070	6822
6	6851	6773	6965	6994	6767
7	6804	6729	6951	6941	6662
8	6818	6744	6871	6942	6722
9	6698	6638	6875		6616
10	6645	6594	6837		6562
11	6531	6498	6804		6495
12	6496	6471	6856		6493
13	6415	6394	6712		6539
14			6672		6561
15			6560		
16	6275	6294	6534		
17	6234	6288	6453		
18	6255	6313	6411		

Eden 8 - 23 (S)

Center	A	B	C	D	BR
1	7322	7239	7391	7521	7771
2	7284	7202	7315	7460	7595
3	7249	7167	7316	7436	7413
4	7269	7186	7293	7454	7395
5	7243	7163	7258	7440	7209
6	7207	7125	7327	7361	7156
7	7160	7074	7319	7308	7044
8	7173	7093	7233	7304	7102
9	7039	6981	7239		6993
10	6989	6936	7195		6934
11	6867	6836	7159		6869
12	6833	6806	7214		6866
13	6742	6724	7057		6917
14			7014		6935
15			6899		
16	6598	6619	6871		
17	6559	6615	6787		
18	6576	6642	6743		

Eden 8 - 26 (M)

Center	A	B	C	D	BR
1	7620	7533	7697	7830	8109
2	7581	7496	7612	7764	7923
3	7544	7456	7615	7738	7739
4	7565	7480	7591	7759	7719
5	7535	7449	7554	7743	7521
6	7496	7410	7626	7660	7468
7	7448	7365	7613	7607	7354
8	7463	7382	7524	7606	7414
9	7324	7255	7529		7296
10	7269	7210	7487		7237
11	7142	7105	7449		7167
12	7104	7071	7510		7166
13	7012	6989	7338		7220
14			7296		7239
15			7174		
16	6865	6885	7144		
17	6821	6878	7055		
18	6841	6908	7015		

Eden 8 - 28 (L)

Center	A	B	C	D	BR
1	7923	7837	8004	8140	8444
2	7883	7797	7915	8075	8248
3	7846	7752	7918	8047	8054
4	7868	7776	7891	8065	8031
5	7841	7747	7855	8048	7830
6	7800	7705	7929	7960	7770
7	7749	7657	7917	7903	7650
8	7763	7676	7820	7903	7715
9	7619	7544	7830		7593
10	7561	7494	7780		7529
11	7431	7387	7744		7457
12	7390	7354	7805		7458
13	7293	7264	7630		7509
14			7584		7528
15			7459		
16	7140	7160	7429		
17	7092	7154	7332		
18	7115	7183	7296		

Eden 8 - 30 (XL)

Center	A	B	C	D	BR
1	8256	8153	8334	8477	8827
2	8214	8113	8244	8407	8627
3	8171	8071	8247	8379	8415
4	8196	8095	8222	8400	8393
5	8166	8067	8181	8389	8189
6	8124	8024	8261	8299	8124
7	8070	7972	8248	8232	8001
8	8087	7989	8151	8232	8065
9	7935	7862	8158		7940
10	7876	7810	8106		7873
11	7738	7697	8067		7800
12	7698	7662	8129		7800
13	7596	7567	7948		7856
14			7901		7875
15			7773		
16	7430	7454	7737		
17	7385	7448	7639		
18	7403	7475	7595		

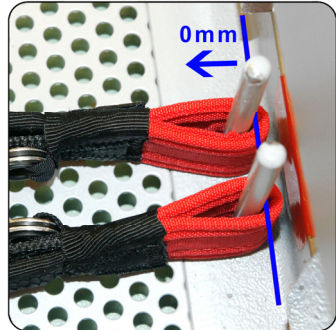
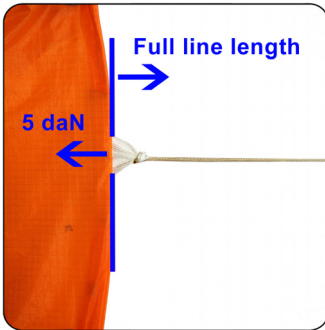
Eden 8 - 33 (XXL)

Center	A	B	C	D	BR
1	8629	8524	8715	8870	9234
2	8584	8481	8622	8797	9019
3	8542	8439	8626	8766	8811
4	8568	8462	8597	8788	8793
5	8534	8429	8556	8770	8572
6	8489	8386	8637	8677	8504
7	8432	8331	8628	8613	8370
8	8450	8347	8521	8613	8445
9	8294	8210	8528		8307
10	8231	8159	8479		8236
11	8091	8039	8437		8163
12	8047	8003	8503		8162
13	7936	7905	8305		8218
14			8254		8238
15			8116		
16	7763	7790	8080		
17	7713	7783	7978		
18	7736	7818	7940		



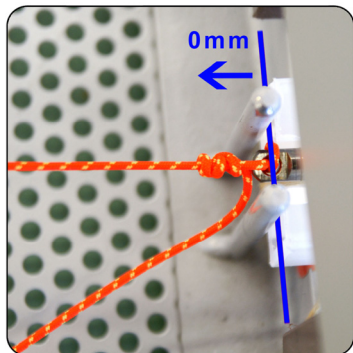
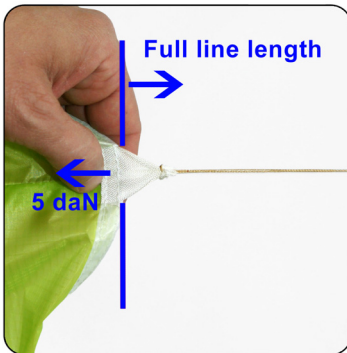
MEASURING FULL LINE LENGTHS

Main lines

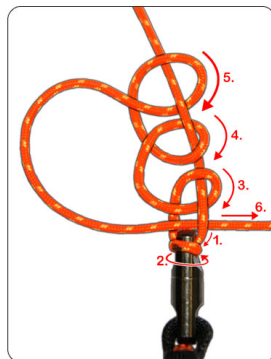
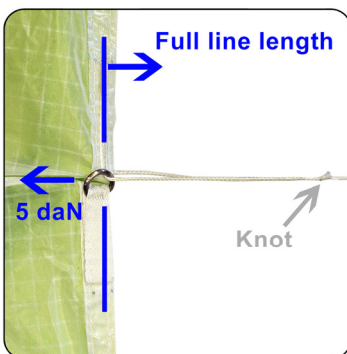


Brakes line

Standard system



Raff system





RISER

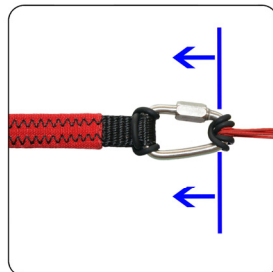
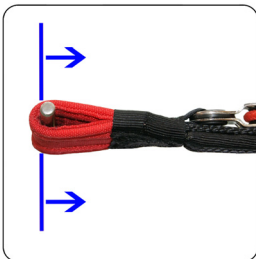
Riser lengths Eden 8 - 21, - 23

	A	A1	B	C
Trim-position	525	525	570	525
Accelerated	365	365	475	525

Riser lengths Eden 8 - 26, - 28, - 30, - 33

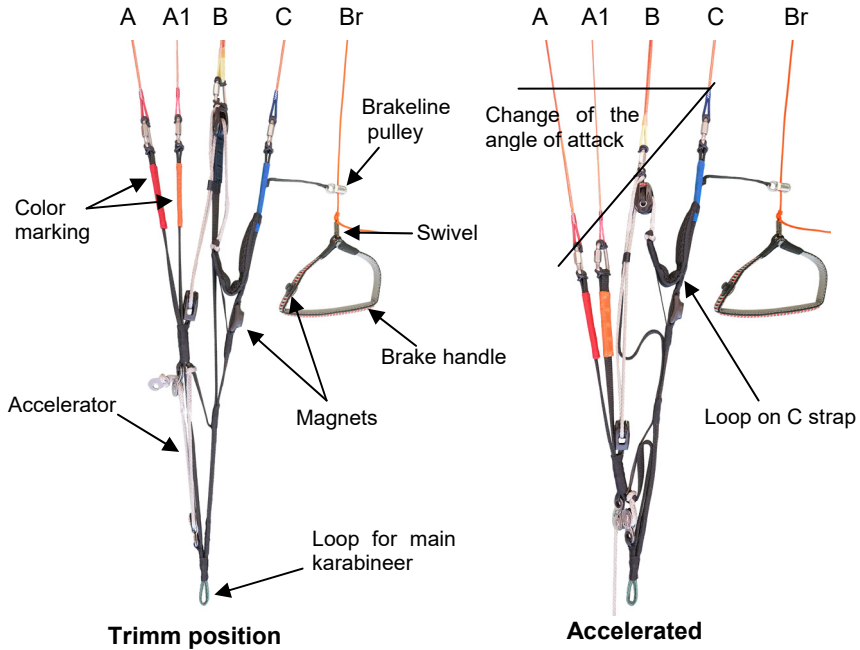
	A	A1	B	C
Trim-position	525	525	570	525
Accelerated	355	355	465	525

The lengths are measured from the main attachment point to the lower edge of rapid links.





Riser



LINE PLANS

Line descriptions

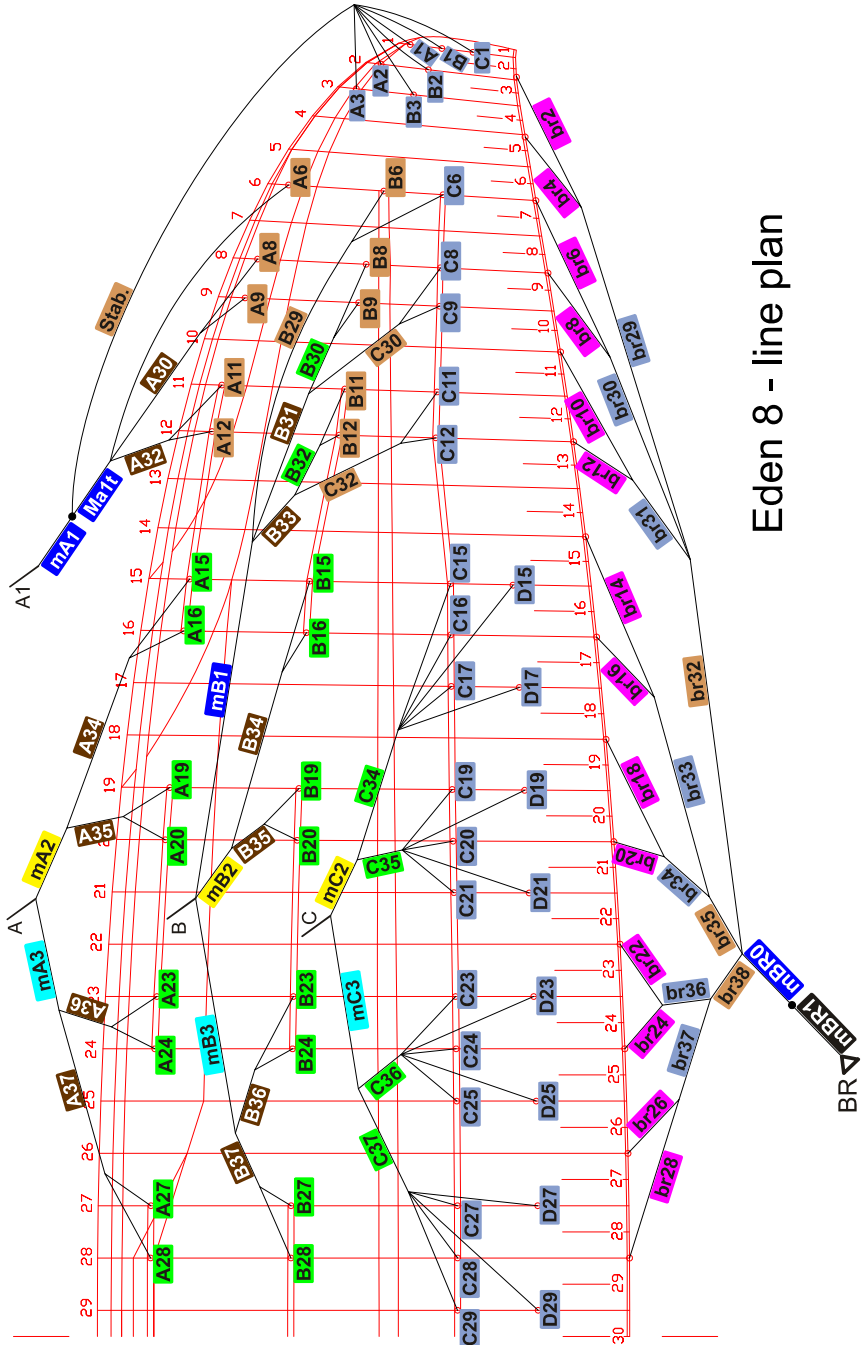
The following printed line plans show the line configurations.

Line types in colors

DC 40
Aramid A-8000U-050
Aramid A-8000U-070
Aramid A-8000U-090
Aramid A-8001-135
Aramid A-8001U-190
Aramid A-8000U-230
Aramid A-8001U-280
Dynema/Polyester A-7950-300



LINE PLAN EDEN 8



Eden 8 - line plan



MATERIALS

Canopy Fabric

PORCHER SPORT

Upper surface leading edge - Polyamid 6.6 RIPSTOP, 32/40 g/m²
Upper surface trailing edge - Polyamid 6.6 RIPSTOP, 32 g/m²
Bottom surface leading edge - Polyamid 6.6 RIPSTOP, 32 g/m²
Bottom surface trailing edge - Polyamid 6.6 RIPSTOP, 27 g/m²
Main ribs, Diagonals - Polyamid 6.6 RIPSTOP HARD, 40 g/m²
Minor ribs - Polyamid 6.6 RIPSTOP HARD, 32 g/m²
Reinforcements - Polyamid laminated 120 g/m²

Lines

EDELRID

Upper Galery C,D - Aramid 8000/U-050, Breaking Load 50 kg
Upper Galery A,B, St. - Aramid 8000/U-070, Breaking Load 70 kg
Middle Galery C,A,B Stab. - Aramid 8000/U-090, Breaking Load 90 kg
Middle Galery A,B - Aramid 8001/U-135, Breaking Load 135 kg
Main lines mA1, mB1 – Aramid 8000/U190, Breaking Load 190 kg
Main lines mA2, mB2, mC2 - Aramid 8000/U-230, Breaking Load 230 kg
Main lines mA3, mB3, mC3 - Aramid 8000/U -280, Breaking Load 280 kg

(ROSENBERGER TAUWERK, GERMANY)

Upper Galery steering lines – Dyneema DC40, Breaking Load 40 kg
Main Brake lines - Dyneema/Polyester A-7950-300 , Breaking Load 300 kg

Attachment straps (Canopy)

STAP-POLYESTERBRIDLE 13 mm, Breaking Load 70 kg

Risers

Cousin Trestec

Aramid-Polyester 3455 12 mm

Threads

SERAFIL 60, SYNTON 20

Quick links

NIRO TRIANGLE 200

Rigifoils

Rigifoils - Nitinol 0,6 mm



LENGTH OF LINE

Mentioned line lengths are marked on stretched lines that are pulled under 5 kg.
When replacing a line always compare the symmetry with opposite side.

	21	23	26	28	30	33
A1	46,0	48,9	50,3	52,4	55,0	57,8
A2	44,3	47,1	48,5	50,5	53,0	55,7
A3	48,3	51,4	52,9	55,1	57,8	60,7
A6	187,1	199,7	206,8	214,6	224,9	233,6
A8	21,4	22,7	23,6	24,4	26,1	27,3
A9	24,9	26,4	27,4	28,4	30,3	31,7
A11	24,2	25,4	26,5	27,4	28,9	30,0
A12	29,4	30,8	32,2	33,3	35,1	36,5
A15	28,9	30,1	31,2	32,9	34,5	36,6
A16	27,6	28,7	29,7	31,4	32,9	35,0
A19	27,1	28,5	29,8	30,6	32,3	33,6
A20	30,8	32,4	33,8	34,8	36,7	38,2
A23	29,2	30,9	32,5	33,6	34,6	36,3
A24	27,3	28,9	30,3	31,4	32,3	33,9
A27	26,8	28,5	29,1	30,3	32,4	33,2
A28	30,3	32,2	33,0	34,4	36,6	37,7
A30	174,0	186,0	192,6	200,0	209,0	217,0
A32	186,0	199,0	206,0	214,0	224,0	233,0
A34	185,0	194,0	202,0	210,0	221,0	230,0
A35	190,0	199,0	207,0	216,0	227,0	237,0
A36	194,0	203,0	211,0	220,0	232,0	242,0
A37	198,0	207,0	216,0	225,0	236,0	247,0
B1	52,3	55,6	57,3	59,7	62,6	65,8
B2	49,8	52,9	54,5	56,8	59,5	62,6
B3	50,2	53,4	55,0	57,3	60,1	63,1
B6	55,0	58,6	61,5	63,9	66,9	70,3
B8	22,8	24,0	26,6	28,0	29,5	30,3
B9	25,7	27,1	29,9	31,4	33,0	34,0
B11	25,2	26,1	27,8	29,3	31,0	31,9
B12	29,5	30,7	32,6	34,3	36,2	37,3
B15	28,6	30,3	32,1	33,2	34,0	36,6
B16	27,1	28,9	30,5	31,6	32,3	34,8
B19	25,6	27,4	28,3	29,6	31,6	32,3
B20	29,2	31,3	32,3	33,8	36,0	36,9
B23	28,6	30,8	32,1	33,6	33,9	37,0
B24	26,6	28,7	29,8	31,3	31,5	34,5
B27	26,1	27,4	28,6	30,3	31,8	32,8
B28	29,7	31,2	32,6	34,4	36,0	37,3
B29	130,0	139,0	143,0	148,0	155,0	160,0
B30	66,0	70,0	71,0	74,0	77,0	81,0
B31	104,0	112,0	115,6	119,0	125,0	129,0
B32	67,0	72,0	74,0	77,0	80,0	85,0
B33	113,0	121,0	125,0	129,0	135,3	139,0
B34	178,0	186,0	193,0	201,0	212,0	220,0
B35	184,0	192,0	200,0	208,0	218,0	228,0
B36	187,0	195,0	203,0	211,0	223,0	231,0
B37	191,0	200,0	208,0	216,0	227,0	237,0
Slab.	276	290	305	315	327	342
Ma1t	150	155	165	170	175	185
mA1	250	265	275	290	305	320
mA2	415	440	460	480	500	525
mA3	415	440	460	480	500	525
mB1	395	415	435	455	475	500
mB2	410	435	455	475	495	520
mB3	410	435	455	475	495	520
mC2	415	440	460	480	500	525
mC3	415	440	460	480	500	525

	21	23	26	28	30	33
C1	62,1	65,9	68,1	70,9	74,3	78,0
C6	60,8	64,7	67,9	70,5	73,9	77,6
C8	23,1	23,5	24,6	26,2	27,0	29,2
C9	25,8	26,5	27,6	29,4	30,3	32,7
C11	24,9	27,1	28,3	29,1	30,1	31,5
C12	28,7	31,3	32,7	33,6	34,8	36,4
C15	50,7	54,2	56,5	58,3	60,9	64,3
C16	45,3	48,5	50,5	52,1	54,5	57,5
C17	48,7	52,0	54,2	55,9	58,4	61,6
C19	46,9	49,5	51,8	53,8	56,6	59,0
C20	46,2	48,7	51,1	53,0	55,8	58,1
C21	54,6	57,6	60,3	62,6	65,8	68,7
C23	51,6	53,5	57,2	59,6	62,9	65,8
C24	45,0	46,6	50,0	52,1	55,0	57,5
C25	48,2	50,0	53,6	55,8	58,9	61,6
C27	49,6	52,5	55,2	57,5	59,7	62,6
C28	49,4	52,2	54,9	57,2	59,4	62,2
C29	56,8	60,1	63,2	65,8	68,4	71,7
C30	72,0	77,0	80,0	83,0	87,0	90,0
C32	75,0	79,0	82,0	86,0	90,0	95,0
C34	166,0	173,0	180,0	188,0	198,0	206,0
C35	172,0	180,0	187,0	195,0	205,0	214,0
C36	176,0	185,0	191,0	199,0	209,0	218,0
C37	177,0	185,0	192,0	200,0	211,0	220,0
D15	59,2	63,1	65,8	68,0	71,1	74,9
D17	59,3	63,2	65,9	68,1	71,2	75,0
D19	58,5	61,7	64,6	67,1	70,5	73,6
D21	66,1	69,6	72,9	75,7	79,5	83,0
D23	63,3	65,9	70,2	73,1	77,0	80,5
D25	61,5	64,0	68,2	71,0	74,8	78,2
D27	63,0	66,6	70,0	72,9	75,8	79,4
D29	68,9	72,8	76,4	79,6	82,8	86,8
br2	28,5	29,6	30,5	32,0	33,5	35,5
br4	26,5	27,7	28,5	30,0	31,5	33,5
br6	45,0	46,9	49,5	52,0	54,0	57,0
br8	45,0	46,9	49,5	52,0	54,0	57,0
br10	52,5	53,7	57,5	60,0	62,5	65,5
br12	58,0	59,5	63,5	66,5	69,0	72,5
br14	54,5	57,4	60,0	62,5	65,5	69,0
br16	48,5	51,6	54,0	56,0	59,0	61,5
br18	56,0	58,7	61,5	64,0	66,5	70,0
br20	61,5	64,0	67,0	70,0	73,0	76,5
br22	57,0	59,6	62,5	65,0	67,5	71,5
br24	58,5	61,5	64,5	67,0	69,5	73,5
br26	53,5	56,3	59,0	61,5	64,5	67,5
br28	70,5	73,9	77,5	81,0	84,5	89,0
br29	117	124	130	135	141	147
br30	94	100	104	108	113	118
br31	93	100	103	107	112	117
br32	209	224	232	240	251	263
br33	127	134	140	146	152	160
br34	130	138	144	150	157	165
br35	189,0	203,0	210,0	217,0	227,0	237,0
br36	128	135	141	147	154	161
br37	150	158	165	172	180	188
br38	213	229	237	245	256	268
mBR0	171,0	185,0	200,0	215,0	230,0	247,0
mBR1	120+20	120+20	120+20	120+20	120+20	120+20



TECHNICAL DATA

	<i>Eden 8 21 (XS)</i>	<i>Eden 8 23 (S)</i>	<i>Eden 8 26 (M)</i>	<i>Eden 8 28 (L)</i>	<i>Eden 8 30 (XL)</i>	<i>Eden 8 33 (XXL)</i>
Zoom flat [%]	87	92	96	100	104,5	109,5
Area flat [m ²]	20,97	23,45	25,53	27,70	30,25	33,21
Area projected [m ²]	17,05	19,07	20,76	22,53	24,60	27,01
Span flat [m]	11,15	11,79	12,31	12,82	13,40	14,04
Span projected [m ²]	9,16	9,69	10,11	10,53	11,00	11,53
Aspect ratio flat	5,93	5,93	5,93	5,93	5,93	5,93
Aspect ratio projected	4,92	4,92	4,92	4,92	4,92	4,92
Root cord [m]	2,36	2,49	2,60	2,71	2,83	2,97
Weight [kg]	4,1	4,35	4,6	4,9	5,2	5,55
Weight range [kg] *	60-82	70-90	80-102	90-114	100-128	115-145

*pilot equipped = weight naked + cca. 15-20 Kg (33-44 lbs)