



KANE COUNTY SHERIFF'S OFFICE

CASE REPORT
37W755 IL Rte. 38, Ste. A
St. Charles, IL 60175

CASE# **2021-00015280**

EVENT	REPORTED DATE/TIME 05/16/2021 13:00	OCCURRED INCIDENT TYPE Accident Injury		CASE STATUS AT TIME OF REPORT ACTIVITY COMPLETED
	OCCURRED FROM DATE/TIME 05/16/2021 13:00	OCCURRED THRU DATE/TIME 05/16/2021 13:00	LOCATION OF OCCURRENCE Huntley, IL	

OFFENSES	STATUTE/DESCRIPTION	COUNTS	ATTEMPT/COMMIT
	01 UCR 9120 PLANE DOWN	1	Commit

SUBJECT	JACKET/SUBJECT TYPE Adult Victim		NAME (LAST, FIRST, MIDDLE SUFFIX) SNYDER, STEVEN A									
	DOB [REDACTED]		AGE or AGE RANGE 65		ADDRESS (STREET, CITY, STATE, ZIP) [REDACTED] HOFFMAN ESTATES, IL 60192							
	RACE White		SEX Male		HEIGHT or RANGE 6'0 6'0		WEIGHT or RANGE 195 195		HAIR Gray		EYE Brown	
	DL NUMBER/STATE [REDACTED]		PRIMARY PHONE [REDACTED]		PHONE #2 [REDACTED]		LEADS # [REDACTED]					

SUBJECT	JACKET/SUBJECT TYPE Adult Victim		NAME (LAST, FIRST, MIDDLE SUFFIX) SHERIDAN, KEVIN M									
	DOB [REDACTED]		AGE or AGE RANGE 59		ADDRESS (STREET, CITY, STATE, ZIP) [REDACTED] CHICAGO, IL 60631							
	RACE White		SEX Male		HEIGHT or RANGE 5'01 5'11		WEIGHT or RANGE 200 200		HAIR Brown		EYE Brown	
	DL NUMBER/STATE [REDACTED]		PRIMARY PHONE [REDACTED]		PHONE #2 [REDACTED]		LEADS # [REDACTED]					

SUBJECT	JACKET/SUBJECT TYPE		NAME (LAST, FIRST, MIDDLE SUFFIX)									
	DOB		AGE or AGE RANGE		ADDRESS (STREET, CITY, STATE, ZIP)							
	RACE		SEX		HEIGHT or RANGE		WEIGHT or RANGE		HAIR		EYE	
	DL NUMBER/STATE		PRIMARY PHONE		PHONE #2		LEADS #					

REPORTING OFFICER [REDACTED] Ruchaj	DATE 05/16/2021	REVIEWED BY
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St. Charles, IL 60175

CASE# **2021-00015280**

VEHICLES as INVOLVED

INVOLVED VEHICLE	VEHICLE ROLE Victim Vehicle			LEADS #
	VEH YR 1977	TYPE/MAKE/MODEL Not Yet Listed		STYLE
	PLATE / STATE	VN 71	TOP COLOR White	BOTTOM COLOR White
	ADDITIONAL DESCRIPTIVE INFORMATION I.C.A BRASAVO MODEL IS-28B2 GLIDER PLANE			

INVOLVED VEHICLE	VEHICLE ROLE			LEADS #
	VEH YR	TYPE/MAKE/MODEL		STYLE
	PLATE / STATE	VN	TOP COLOR	BOTTOM COLOR
	ADDITIONAL DESCRIPTIVE INFORMATION			

INVOLVED VEHICLE	VEHICLE ROLE			LEADS #
	VEH YR	TYPE/MAKE/MODEL		STYLE
	PLATE / STATE	VN	TOP COLOR	BOTTOM COLOR
	ADDITIONAL DESCRIPTIVE INFORMATION			

INVOLVED VEHICLE	VEHICLE ROLE			LEADS #
	VEH YR	TYPE/MAKE/MODEL		STYLE
	PLATE / STATE	VN	TOP COLOR	BOTTOM COLOR
	ADDITIONAL DESCRIPTIVE INFORMATION			

INVOLVED VEHICLE	VEHICLE ROLE			LEADS #
	VEH YR	TYPE/MAKE/MODEL		STYLE
	PLATE / STATE	VN	TOP COLOR	BOTTOM COLOR
	ADDITIONAL DESCRIPTIVE INFORMATION			

REPORTING OFFICER Ruchaj	DATE 05/16/2021	REVIEWED BY
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CASE# **2021-00015280**

NARRATIVE

I, Deputy Ruchaj, responded to 12020 Grant Highway (Sky Soaring INC) in reference to a plane down / accident with injuries.

I arrived on scene and determined the following. Mr. Snyder (pilot) and Mr. Sheridan (student) were attempting to take off in a glider plane. It appears that the wire / launch device was detached to early, and the glider did not have enough altitude to clear trees that were on the south side of the runway. The middle of the right wing struck a tree top. The glider spun around 180 degrees, and then nosed down into the ground about 80 feet east of the tree.

Mr. Snyder may have suffered a broken leg and head injury from the incident. Mr. Sheridan may have suffered a head injury from the incident. Both subjects were transported to Sherman Hospital in Elgin prior to my arrival.

I spoke with FAA Agent Dennis Simms [REDACTED] about the incident. I related to him about what had possibly happened during the incident. He gave me permission to release the aircraft back to the owner, which was the airport / glider club. He requested photos and a copy of my report, which I will provide.

I placed photos of the incident into the M drive. Nothing Further.

REPORTING OFFICER

[REDACTED] Ruchaj

DATE

05/16/2021

REVIEWED BY

From: [REDACTED]
To: [REDACTED]
Subject: RE: CEN21LA226 (N41CR) - Additional Question
Date: Tuesday, June 8, 2021 7:23:18 PM
Attachments: [image001.png](#)
[image002.png](#)

[CAUTION] This email originated from outside of the organization. Do not click any links or open attachments unless you recognize the sender and know the content is safe.

Mike;

Yes, the safety link broke as designed. I can only surmise that during the launch and climb I exceeded the breaking strength of the link. This would typically occur by applying too much back pressure on the control stick. We would need to apply back pressure in order to increase or decrease the airspeed of the glider. The normal launch speed would be 60-65kts. I do recall seeing 70kts and responding by increasing the stick pressure. It seemed normal to me at the time but it may have been just too much for the link to handle.

Steve

From: Hodges Michael [REDACTED]
Sent: Tuesday, June 8, 2021 5:45 PM
To: Steven Snyder [REDACTED]
Subject: CEN21LA226 (N41CR) - Additional Question

Hi Steve,

I hope you are doing well sir.

I have a follow-up question please, about the accident with N41CR.

I understand that during the ground tow launch sequence, the weak link/safety link broke.



Thank you so much for the accident sequence diagram, showing where the weak link broke (annotated by the short hash mark on the orange flight path line):



My understanding is that with weak links – they are intentionally designed to break, to prevent structural overloading to the glider during a tow sequence.

Do you happen to know why the weak link specifically broke where it did, during the ground tow launch process? Any thoughts would be appreciated.

Thank you sir.

Mike

Mike J. Hodges, MS, CHP
Air Safety Investigator
National Transportation Safety Board

4760 Oakland Street, Suite 500
Denver, Colorado 80239-2793

Cellular/SMS: [REDACTED]
Facsimile: [REDACTED]
Response Operations Center (24/7): 1-844-373-9922

“We always need to prepare ourselves for handling the unexpected.” – Neil A. Armstrong

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FLIGHT AND MAINTENANCE MANUAL IS-28B2

TABLE 2-2

Front pilot's weight + parachute	Ballast weight
55-61 kgf ; (121-134, 51b)	6 kgf (13,3 lb)

N O T E :

The luggage weight has no negative influence on the glider balance.

2.7. ACCEPTED MANEUVERING

The following aerobatic ~~maneuvering~~ are accepted :

- spin
- looping
- diving turn
- overturning.

8 | For flights in "aerobatic" category the glider will be equipped with accelerometer.

2.8. SPECIAL INSTRUCTIONS

In case of winch launch or aero-towing, the towing cable shall be equipped with a fuse of $F = 500 \text{ kgf}$; 1102 lb (TOST - N type or equivalent one) and with TOST lug or equivalent one.

2.9. PLACARDS

The glider is provided with the following placards :

2.9.1. LIMITATIONS PLACARD (painted in red).

BGA approved winch launch weak link strengths

Glider Type	Weak link
AC4c	White
ASH 25	Brown
ASH 26	Red
ASK 14	Red
ASK 18	Blue
ASK 21	Black
ASK 23	Blue
Astir/Grob single	Blue
Astir Twin/Grob twin II	Brown
Grob twin III	Brown
ASW 12	Red
ASW 15A	Blue
ASW 15B	Blue
ASW 17	Red
ASW 19B	Blue
ASW 20	Blue
ASW 22	Brown
ASW 24	Blue
ASW 27	Blue
Austria std	Blue
AV 22 & 36	See Fauvel
Bergfalke 2	Brown
Bergfalke 3	Brown
Bergfalke 4	Red
BG135 (& YS 55)	Blue
Bijave	Blue
Blanik L13	Blue
Blanik L23 (super)	Blue
Bocian 1D	Black
Bocian 1E	Black
Breguet 905	See Fauvette
Cadet Mk1	
Cadet Mk2	See Tutor
Cadet Mk3	See T.31
Capstan	See T.49
Carman JP15-34/36	See JP15-34 & 36
Centrair 101 (Pégase)	See Pegasus
Centrair 201B	See Marianne
Cirrus (open)	Brown
Cirrus (std)	Blue
Club Libelle	See Libelle (Club)
Cobra	Red
Condor 4	Red
Crystal	
Cumulus	White

Glider Type	Weak link
Dart 15 & 17	Blue
Delphin	Blue
DG 100/200/300	Blue
DG 400/600/800	Blue
DG500/505 (18/20/22 M)	Black
Diamant 16.5 & 18	Brown
Discus & Discus 2	Blue
Doppelraab	Red
Duo Discus	Brown
Eagle	Blue
Elfe S2	White
EoN baby	White
EoN primary	White
Falcon	White
Fauvel AV22	Blue
Fauvel AV36	White
Fauvette (Breguet 905S)	Blue
Foka 3, 4 & 5	Blue
Geier I	Blue
Glasflügel 604	Brown
Goavier III	Black
Grunau 2/3/4/5	White
Gull 1, 3 & 4	White
Harbinger	Blue
Hornet	Blue
Hütter 17	White
Iris (D77)	White
IS28 B2, 29 & 30	Blue
Jantar Std 1	Blue
Jantar Std 2	Red
Jantar Std 3	Blue
Jantar 1 (19 Meter)	Red
Janus a, b & c	Brown
Jaskolka Z	Blue
Javelot (& Super)	White
JP 15-34 (Carman)	Blue
JP 15-36 A (Carman)	Blue
Junior	Red
Ka 1 & 3	White
Ka 2 & Ka 2b	Red
Ka 4	See Rhönlerche 2
Ka 6BR/CR	Blue
Ka 6E	Blue
Ka 7	Brown
Ka 8	Blue
Ka 13	Brown
Kestrel 17/19	Blue
Kite 1 & 2B	White
Kranich III	Brown

Glider Type	Weak link
Kranjanek (Zlin 4)	White
L 33 (Solo)	Blue
LAK 12	Blue
Libelle Std (201)	Blue
Libelle 301	Blue
Libelle (Club)	Blue
LO-100	Blue
LS 1f, 3 & 4	Blue
LS 6, 7 & 8	Red
M100	Blue
M200	Blue
Marianne	Red
ME 7	White
Meise	White
MG 19A & B	Brown
Minimoa	White
Mistral C	White
Mosquito	Blue
Moswey III	White
Moswey IV	Blue
Mu13D	White
Mucha std	Blue
Mucha 100	White
Nimbus 2	Red
Nimbus 3	Red
Nimbus 3D(2 seat)	Black
Nimbus 4 (all)	Black
Nimbus mini	Blue
Olympia 1, 2 & 2b	White
Olympia 419	Blue
Olympia 460/463	White
Peak 100	Blue
Pegasus (Pégase)	Blue
Petrel	White
Phoebus C	Red
PIK 20 B, D & E	Blue
PIK 16 (Vasama)	Blue
Pilatus B4	Blue
Pirat	Blue
Prefect	White
Puchacz	Red
PW-5	Blue
Rheinland	White
Rhönlander 2	White
Rhönlerche 2 (Ka 4)	Brown
Rhönspërber	White
Sagitta	Blue
SB5 B & E	Blue
Scud III	White
SD-3 & SD-3-15	Blue
SF 26A	Blue
SF 27A	Red
SF 34	Red

Glider Type	Weak link
SG 38	306 kg max
SHK	Blue
SIE 3	Blue
Silène	Red
Sky	White
Skylark 2	Blue
Skylark 3B & 3F	Blue
Skylark 4	Blue
SNC 34 (Alliance)	See SF 34
Spatz & L-Spatz	White
Sperber	Black

Glider Type	Weak link
Swallow	White
Swift	White
SZD 55	Blue
T.21b (Standard hook)	White
T21b (belly hook)	Blue
T.31 (Cadet Mk 3)	White
T.49b (standard hook)	Blue
T.49b (belly hook)	Red

Glider Type	Weak link
T.53 & YS53	Red
Torva	White
Tutor (Cadet Mk 2)	White
Vega	Blue
Ventus	Blue
Ventus 2	Blue
Viking	White
Wassmer WA26 (Squale)	Blue
Weihe	Blue
Zugvogel 1, 2, 3 & 4	Blue

These values use the Tost weak links of:-

White = 500 Kg
Blue = 600 Kg
Red = 750 Kg
Brown = 850 Kg
Black = 1000 Kg

Last update of this list 14 July 2010 Tim Macfadyen

SKYLAUNCH SUGGESTED THROTTLE GUIDE SETTING CHART

WARNING

These settings are approximate and should be treated as a guide only.

Always take account of pilot instruction/ feedback when choosing settings.

Always take care in variable weather conditions – including cross-winds.

WEAK LINKS

BLACK - No 1 1000 daN = 2200 lbs
BROWN - No 2 850 daN = 1870 lbs
RED - No 3 750 daN = 1650 lbs
BLUE - No 4 600 daN = 1320 lbs
WHITE - No 5 500 daN = 1100 lbs

The headwind guide is based on approx 5 knots (9 Km/h) per setting starting with 0 = 0 knots

If the headwind is between the 5 knots (9 Km/h) increments, increasing with altitude, gusting or the glider is launching into thermals then throttle will have to be adjusted accordingly - always allowing for any cross-wind element.

NOTE: Guide settings are based on 8.2 litre engine. For 7.4 litre engine all A's will move up to A+.

Glider Type	Weak link	Max T.O. weight Kg dry/wet	Suggested launch speed	Max winch launching speed	Suggested throttle guide setting
AC4c	White	265 kg	55 Kts (102 Km/h)	60 Kts (111 Km/h)	F
ASH 25	Brown	750 kg	60-65 Kts (111-120 Km/h)	70 Kts (130 Km/h)	A+
ASH 26	Red	525 Kg	60-65 Kts (111-120 Km/h)	70 Kts (130 Km/h)	D
ASK 14	Red				
ASK 18	Blue	335 kg	55 Kts (102 Km/h)	59 Kts (110 Kph)	
ASK 21	Black	600 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	A
ASK 23	Blue	380 kg	60 Kts (111 Km/h)	67 Kts (125 Km/h)	E
Astir/Grob single	Blue	380/450 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	D
Astir Twin/Grob twin II	Brown	597/669 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	A
Grob twin III	Brown	618 kg	60 Kts (111 Km/h)	75 Kts (140 Km/h)	A
ASW 12	Red	430 kg	55-59 Kts (102-110 Km/h)	59 Kts (110 Kph)	
ASW 15A	Blue	318 kg	55-59 Kts (102-110 Km/h)	59 Kts (110 Kph)	E+
ASW 15B	Blue	340/408 kg	55-60 Kts (102-111 Km/h)	65 Kts (120 Kph)	E+
ASW 17	Red	570/609 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	B-
ASW 19B	Blue	380/454 kg	60 Kts (111 Km/h)	67 Kts (125 Km/h)	D-
ASW 20	Blue	380/454 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	D-
ASW 22	Brown	750 kg	60-65 Kts (111-120 Km/h)	75 Kts (140 Km/h)	A-
ASW 24	Blue	350/500 kg	60-65 Kts (111-120 Km/h)	75 Kts (140 Km/h)	D
ASW 27	Blue	395/500 kg	60-65 Kts (111-120 Km/h)	70 Kts (130 Km/h)	D
Austria std	Blue	323 kg	55 Kts (102 Km/h)	61 Kts (112.Km/h)	E
AV 22 & 36	See Fauvel				
Bergfalke 2	Brown	439 kg	50 Kts (92 Km/h)	50 Kts (92 Km/h)	C
Bergfalke 3	Brown	465 kg	52 Kts (96 Km/h)	52 Kts (96 Km/h)	C
Bergfalke 4	Red	505 kg	55 Kts (102 Km/h)	59 Kts (110 Km/h)	C-
BG135 (& YS 55)	Blue	297 kg	55-60 Kts (102-111 Km/h)	65 Kts (120 Km/h)	E
Bijave	Blue	500 Kg		54 Kts (100 Km/h)	
Blanik L13	Blue	500 kg	55 Kts (102 Km/h)	65 Kts (120 Km/h)	C+
Blanik L23 (super)	Blue	510 kg	55 Kts (102 Km/h)	65 Kts (120 Km/h)	B-
Bocian 1D	Black	539 kg	54 Kts (100 Km/h)	54 Kts (100 Km/h)	B+
Bocian 1E	Black	539 kg	54-60 Kts (100-111 Km/h)	62 Kts (115 Km/h)	B+
Breguet 905	See Fauvette				
Cadet Mk1					
Cadet Mk2	See Tutor				
Cadet Mk3	See T.31				
Capstan	See T.49				
Carman JP15-34/36	See JP15-34 & 36				
Centrair 101 (Pégase)	See Pegasus				

Glider Type	Weak link	Max T.O. weight Kg dry/wet	Suggested launch speed	Max winch launching speed	Suggested throttle guide setting
Centrair 201B	See Marianne				
Cirrus (open)	Brown	400/460 kg	59 Kts (110 Km/h)	59 Kts (110 Km/h)	D+
Cirrus (std)	Blue	330/390 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	E+
Club Libelle	See Libelle (Club)				
Cobra	Red	385 kg	55-59 Kts (102-110 Km/h)	59 Kts (110 Km/h)	E+ (belly hook) E- (compromise hook)
Condor 4	Red	520 Kg	54 Kts (100 Km/h)		D-
Crystal					
Cumulus	White	272 kg	43 Kts (80 Km/h)	43 Kts (80 Km/h)	F
Dart 15 & 17	Blue	354 kg	60 Kts (111 Km/h)	71 Kts (131 Km/h)	E+ (belly hook) E- (compromise hook)
Delphin	Blue	375 kg		53 Kts (98 Km/h)	
DG 100/200/300	Blue	370/450 Kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	D-
DG 400/600/800	Blue	380/525 kg	60 Kts (111 Km/h)	81 Kts (150 Km/h)	D
DG500/505 (18/20/22 M)	Black	650/750 kg	60-65 Kts (111-120 Km/h)	75 Kts (140 Km/h)	A+
Diamant 16.5	Brown	390/408 kg	54-60 Kts (100-111 Km/h)	65 Kts (120 Km/h)	C+
Diamant 18	Brown	408/440 kg	54-60 Kts (100-111 Km/h)	81 Kts (150 Km/h)	C+
Discus	Blue	380/525 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	D
Discus 2	Blue	370/525 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	D+
Doppelraab	Red				
Duo Discus	Brown	700 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	A+
Eagle	Blue	612 kg	54 Kts (100 Km/h)	70 Kts (130 Km/h)	C
Elfe S2	White	350 kg	54 Kts (100 Km/h)	54 Kts (100 Km/h)	
EoN baby	White	277 kg	40-48 Kts (74-89 Km/h)	48 Kts (89 Km/h)	F-
EoN primary	White	222 kg		39 Kts (72 Km/h)	F- -
Falcon	White	363 kg	45 Kts (83 Km/h)	70 Kts (130 Km/h)	F-
Fauvel AV22	Blue	445 Kg		64 Kts (118 Km/h)	
Fauvel AV36	White	225 kg	54 Kts (100 Km/h)	54 Kts (100 Km/h)	E
Fauvette (Breguet 905S)	Blue	272 kg	52 Kts (96 Km/h)	52 Kts (96 Km/h)	E
Foka 3	Blue	360 Kg	54-60 Kts (100-111 Km/h)	61 Kts (113 Km/h)	E+ (belly hook) E- (compromise hook)
Foka 4 & 5	Blue	385 Kg	54-60 Kts (100-111 Km/h)	65 Kts (120 Km/h)	
Geier I	Blue	359 kg	50 kts (93km/h)	54 Kts (100 Km/h)	E-
Glasflügel 604	Brown	650 kg		70 Kts (130 Km/h)	
Goevier III	Black		50-55 Kts (93-102 Km/h)		C
Grunau 2/3/4/5	White	252 kg	40-43 Kts (74-80Km/h)	43 Kts (80 Km/h)	F-
Gull 1 & 3	White	231 & 283	40-43 Kts (74-80Km/h)	43 Kts (80 Km/h)	
Gull 4	White	317 Kg		52 Kts (96 Km/h)	
Harbinger	Blue	487 kg		57 Kts (106 Km/h)	
Hornet	Blue	419 kg	60 Kts (111 Km/h)	75 Kts (140 Km/h)	E+
Hütter 17	White	210 kg	40-43 Kts (74-80Km/h)	45 Kts (83 Km/h)	F-
Iris (D77)	White	330 kg	55-60 Kts (102-111 Km/h)	70 Kts (130 Km/h)	
IS28 B2	Blue	590 Kg		67 Kts (125 Km/h)	
IS29	Blue	360 Kg		59 Kts (110 Km/h)	
IS30	Blue	590 kg		67 Kts (125 Km/h)	
Jantar Std 1	Blue	366/520 Kg	60 Kts (111 Km/h)	59 Kts (110 Km/h)	D-
Jantar Std 2	Red	384/535 Kg	60 Kts (111 Km/h)	67 Kts (124 Km/h)	D-
Jantar Std 3	Blue	390/540 Kg	60 Kts (111 Km/h)	67 Kts (124 Km/h)	D-
Jantar 1 (19 Meter)	Red	417/515 kg	59 Kts (110 Km/h)	59 Kts (110 Km/h)	C?
Janus a & b	Brown	620 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	A
Janus c	Brown	700 Kg	60 Kts (111 Km/h)	81 Kts (150 Km/h)	A
Jaskolka Z	Blue	370/455 kg		48 Kts (90 Km/h)	
Javelot (& Super)	White	350 Kg		54 Kts (100 Km/h)	
JP 15-34 (Carman)	Blue	350 Kg	55-60 Kts (102-111 Km/h)	60 Kts (111 Km/h)	E
JP 15-36 A (Carman)	Blue	335 Kg	55-60 Kts (102-111 Km/h)	60 Kts (111 Km/h)	E
Junior	Red	380 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	E
Ka 1 & 3	White	195 Kg		48 Kts (90 Km/h)	
Ka 2 & Ka 2b	Red	479 kg	50 kts (93 km/h)	54 Kts (100 Km/h)	D

Glider Type	Weak link	Max T.O. weight Kg dry/wet	Suggested launch speed	Max winch launching speed	Suggested throttle guide setting
Ka 4	See Rhönlerche 2				
Ka 6BR/CR	Blue	300 kg	50 Kts (93 Km/h)	60 Kts (111 Kph)	E
Ka 6E	Blue	300 kg	50 Kts (93 Km/h)	56 Kts (104 Kph)	E
Ka 7	Brown	480 kg	55 Kts (102 Km/h)	66 Kts (122 Km/h)	D
Ka 8	Blue	310 kg	50 Kts (93 Km/h)	60 Kts (111 Kph)	F
Ka 13	Brown	529 kg	55 Kts (102 Km/h)	65 Kts (120 Km/h)	C
Kestrel 17/19	Blue	408/472 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	D
Kite 1	White	254 Kg	43 Kts (80 Km/h)	43 Kts (80 Km/h)	F--
Kite 2B	White	295 Kg	50 kts (93 km/h)	52 Kts (96 Km/h)	F--
Kranich III	Brown	520 Kg	50-54 kts (93-100 km/h)	54 Kts (100 Km/h)	E
Kranjaneck (Zlin 4)	White		50 kts (93 km/h)		F-
L 33 (Solo)	Blue	340	55-60 Kts (102-111 Km/h)	70 Kts (130 Km/h)	E-
LAK 12	Blue	430/650	60 Kts (111 Km/h)	75 Kts (140 Km/h)	B-
Libelle Std (201)	Blue	320/350 kg	55-60 Kts (102-111 Km/h)	65 Kts (120 Km/h)	E
Libelle 301	Blue	300 Kg		65 Kts (120 Km/h)	
Libelle (Club)	Blue	350		65 Kts (120 Km/h)	
LO-100	Blue	265 kg		67 Kts (125 Km/h)	
LS 1f	Blue	354/390 kg	55-60 Kts (102-111 Km/h)		E+
LS 3	Blue	380/472 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	D-
LS 4	Blue	380/525 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	D
LS 6, 7 & 8	Red	380/525 kg	60 - 65 Kts (111- 120 Km/h)	75 Kts (140 Kph)	D+
M100	Blue	315 Kg	54 Kts (100 Km/h)	54 Kts (100 Km/h)	E-
M200	Blue	570 kg		65 Kts (120 Km/h)	
Marianne	Red	655		70 Kts (130 Km/h)	
ME 7	White	250 kg	55 Kts (102 Km/h)	60 Kts (111 Km/h)	F
Meise	White	304 kg			
MG 19A & B	Brown	479 Kg	43 Kts (80 Km/h)	43 Kts (80 Km/h)	D-
Minimoa	White	350 kg	44 Kts (81 Km/h)	44 Kts (81 Km/h)	F-
Mistral C	White	350 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	E+ (weak link can easily break)
Mosquito	Blue	380/450 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	D
Moswey III	White	250 Kg		67 Kts (125 Km/h)	
Moswey IV	Blue	300 Kg		65 Kts (120 Km/h)	
Mu13D	White	285 kg	43 Kts (80 Km/h)	45 Kts (83 Km/h)	F-
Mucha std	Blue	324 kg		54 Kts (100 Km/h)	
Mucha 100	White	290 kg		51 Kts (94 Km/h)	
Nimbus 2	Red	470/580 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	C+
Nimbus 3	Red	528/750 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	A-
Nimbus 3D(2 seat)	Black	800 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	A+
Nimbus 4 (all)	Black	800 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	A+
Nimbus mini	Blue	380/450 Kg	60 Kts (111 Km/h)	81 Kts (150 Km/h)	E+
Olympia 1, 2 & 2b	White	304 kg	50 Kts (93 Km/h)	55 Kts (102 Km/h)	F-
Olympia 419	Blue	408 kg	50-55 Kts (93-102 Km/h)	60 Kts (111 Km/h)	E-
Olympia 460/463	White	285 kg	50-55 Kts (93-102 Km/h)	66 Kts (122 Km/h)	F+ (weak link can easily break)
Peak 100	Blue				
Pegasus (Pégase)	Blue	368/455 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	D-
Petrel	White	289 kg		43 Kts (80 Km/h)	F-
Phoebus C	Red	375 kg		65 Kts (120 Km/h)	
PIK 20 B, D & E	Blue	400/450 kg	60 Kts (111 Km/h)	67 Kts (124 Km/h)	D-
PIK 16 (Vasama)	Blue	281 Kg		75 Kts (140 Km/h)	
Pilatus B4	Blue	349 kg	55-60 Kts (102-111 Km/h)	70 Kts (130 Km/h)	E
Pirat	Blue	370 kg	55 Kts (102 Km/h)	64 Kts (118 Km/h)	E-
Prefect	White	279 kg	45-49 Kts (83-91 Km/h)	50 Kts (92 Km/h)	F-
Puchacz	Red	570 kg	55 Kts (102 Km/h)	59 Kts (110 Km/h)	B (weak link can easily break)

Glider Type	Weak link	Max T.O. weight Kg dry/wet	Suggested launch speed	Max winch launching speed	Suggested throttle guide setting
PW-5	Blue	300 kg	55-60 Kts (102-111 Km/h)	65 Kts (120 Km/h)	E-
Rheinland	White				
Rhönlander 2	White				
Rhönlerche 2 (Ka 4)	Brown	408 kg	45-49 kts (83-90 km/h)	49 Kts (90 Km/h)	D
Rhösperber	White	282 kg	40-43 Kts (74-80Km/h)	43 Kts (80 Km/h)	
Sagitta	Blue	331 kg	50-55 kts (93-102 km/h)	66 Kts (122 Km/h)	E-
SB5 B & E	Blue	325 kg		54 Kts (100 Km/h)	
Scud III	White	247 kg		43 Kts (80 Km/h)	
SD-3 & SD-3-15	Blue	333 & 349 kg	55-60 Kts (102-111 Km/h)	65 Kts (120 Km/h)	E
SF 26A	Blue	310 kg	54 Kts (102 Km/h)	54 Kts (100 Km/h)	F+
SF 27A	Red	330 kg	55 Kts (102 Km/h)	59 Kts (110 Km/h)	F+
SF 34	Red	540 kg	55-60Kts (102-111 Km/h)	65 Kts (120 Km/h)	B
SG 38	306 kg max	222 kg		32 Kts (60 Km/h)	
SHK	Blue	370 kg	50-55 Kts (95-102 Km/h)	56 Kts (104 Km/h)	E-
SIE 3	Blue	340 kg	55 Kts (102 Km/h)	60 Kts (111 Km/h)	F+
Silène	Red	565 kg	55-60Kts (102-111 Km/h)		C+ (weak link can easily break)
Sky	White	385 kg	44 Kts (81 Km/h)	44 Kts (81 Km/h)	F+ (weak link can easily break)
Skylark 2	Blue	331 kg	55-60 Kts (102-111 Km/h)	61 Kts (113 Km/h)	E
Skylark 3B & 3F	Blue	358-377 kg	55-60 Kts (102-111 Km/h)	71 Kts (131 Km/h)	E
Skylark 4	Blue	377 kg	55-60 Kts (102-111 Km/h)	76 Kts (141 Km/h)	E
SNC 34 (Alliance)	See SF 34				
Spatz & L-Spatz	White	265 kg	45-49 Kts (83-90 Km/h)	49 Kts (90 Km/h)	F?
Sperber	Black				
Swallow	White	318 kg	50 Kts (93 Km/h)	64 Kts (119 Km/h)	F (weak link can easily break)
Swift	White	410 kg		75 Kts (139 Km/h)	
SZD 55	Blue	350/500 kg		78 Kts (145 Km/h)	
T.21b (Standard hook)	White	476 kg	45-50 Kts (83-93 Km/h)	55 Kts (102 Km/h)	E (weak link can easily break)
T21b (belly hook)	Blue	476 kg	45-50 Kts (83-93 Km/h)	55 Kts (102 Km/h)	
T.31 (Cadet Mk 3)	White	377 kg	45-50 Kts (83-93 Km/h)	48 Kts (89 Km/h)	E (weak link can easily break)
T.49b (standard hook)	Blue	567 kg	55-60 Kts (102-111 Km/h)	66 Kts (122Km/h)	D+ Weak link can easily break
T.49b (belly hook)	Red	567 kg	55-60 Kts (102-111 Km/h)	66 Kts (122Km/h)	
T.53 & YS53	Red	583 kg	55 Kts (102 Km/h)	70 Kts (130 Km/h)	B- (weak link can easily break)
Torva	White				
Tutor (Cadet Mk 2)	White	258 kg	45 (83 Km/h)	48 Kts (89 Km/h)	F
Vega	Blue	351/440 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	D
Ventus	Blue	350/500 Kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	C-
Ventus 2	Blue	350/525 Kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	C-
Viking	White	317 kg		50 Kts (92 Km/h)	
Wassmer WA26 (Squale)	Blue	378 kg		65 Kts (120 Km/h)	
Weihe	Blue	354 kg	48 Kts (90 Km/h)	48 Kts (90 Km/h)	D-
Zugvogel 1, 2, 3 & 4	Blue	365 kg		54 Kts (100 Km/h)	

NOTE: Any glider listings not filled in have yet to be assessed by SkyLaunch to complete the data.

Please note that SkyLaunch endeavour to make settings as similar as possible between machines, but this cannot be guaranteed. In consequence, this table should be treated AS A GUIDE ONLY, and you should adjust it in the light of your own experience with your machine. E & OE

Data compiled from the British Gliding Association and gliding clubs operating SkyLaunch winches. This data may vary due to glider type variations and modifications or any errors incurred and therefore cannot be guaranteed as correct. The weight or speed data given here is for guidance only, it will not be updated and under no circumstances should it be taken as authoritative. Last update of this list 22 Dec 2010 Tim Macfadyen