



Wild

User's manual

English
Revision index : 13/06/2017

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Thank you for choosing to fly our WILD to paraglide with. We are delighted to have you on-board to share our passion for paragliding.

SUP'AIR has been designing producing and selling accessories for free flying activities since 1984. By choosing a SUP'AIR product you benefit from almost thirty years of expertise, innovation and customer care. We pride ourselves for our work ethics and customer care.

We hope you will find this user's manual comprehensive, explicit and hopefully enjoyable as well. We advise you to read it carefully.

You will find the latest information and updates on this product on our website : www.supair.com. If however you have any further questions, do not hesitate to ask one of our dealers.

Naturally the entire SUP'AIR team remains at your disposal at info@supair.com

We wish you many safe and enjoyable flying hours and happy landings.

Team SUP'AIR

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Welcome to the world of free flying : a shared world of passion.

The WILD is a high level competition glider for Hike & Fly and Cross-Country flying. It is a demanding wing requiring strong piloting skills from expert pilots.

The well though out design and choice of materials were guided by the same quality and longevity objectives.

The WILD glider is EN 926 -1 : 2006 & 926 - 2 : 2013 Classe D. Certified.

It implies that this paraglider can react dynamically when over piloted, and will require precise pilot input to stabilize it in turbulent air.

It also means, that this wing requires strong flying skills and experience in dealing with flight incidents, as well as practicing frequently in turbulent conditions. The pilot must be fully aware of the risks taken involved when using a wing of this category.

It can be use with most harness found on today's market, but for added inflight comfort, we advise you to use the SUPAIR « Cross » and « Back-Country » models.

After reading this manual we advise you to inflate & check your wing on a training hill first.

N.B. : The following three icons will help you to read this manual.



Advice

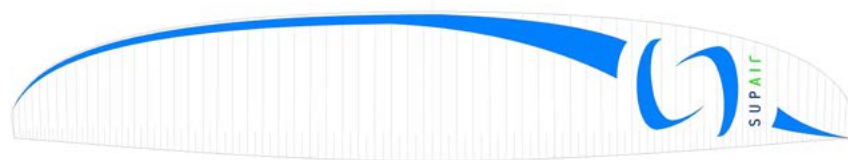


Caution !



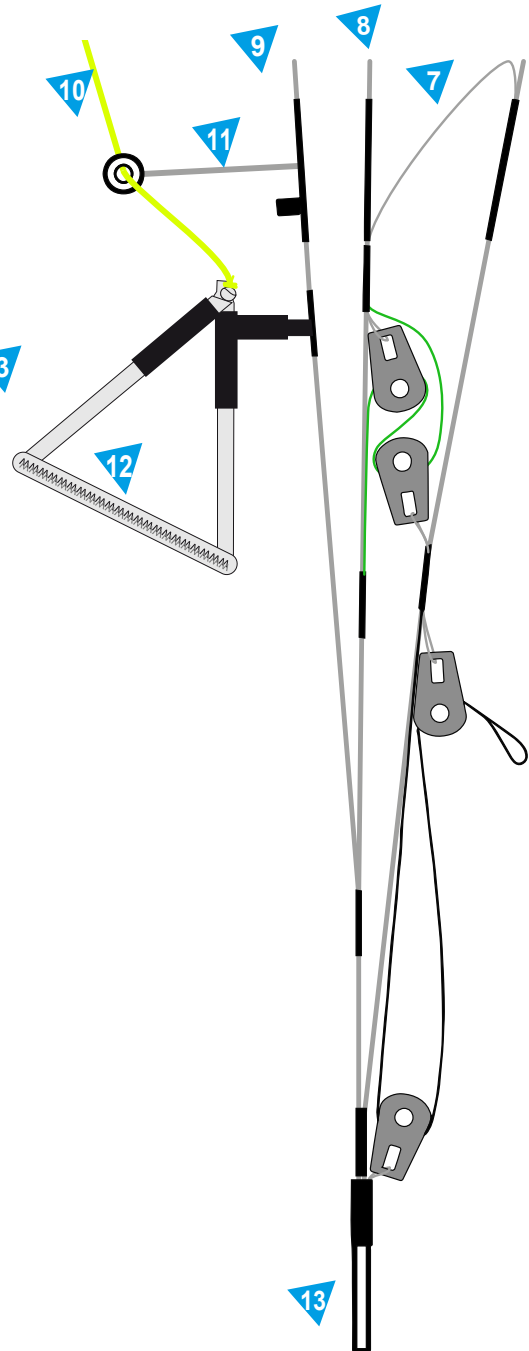
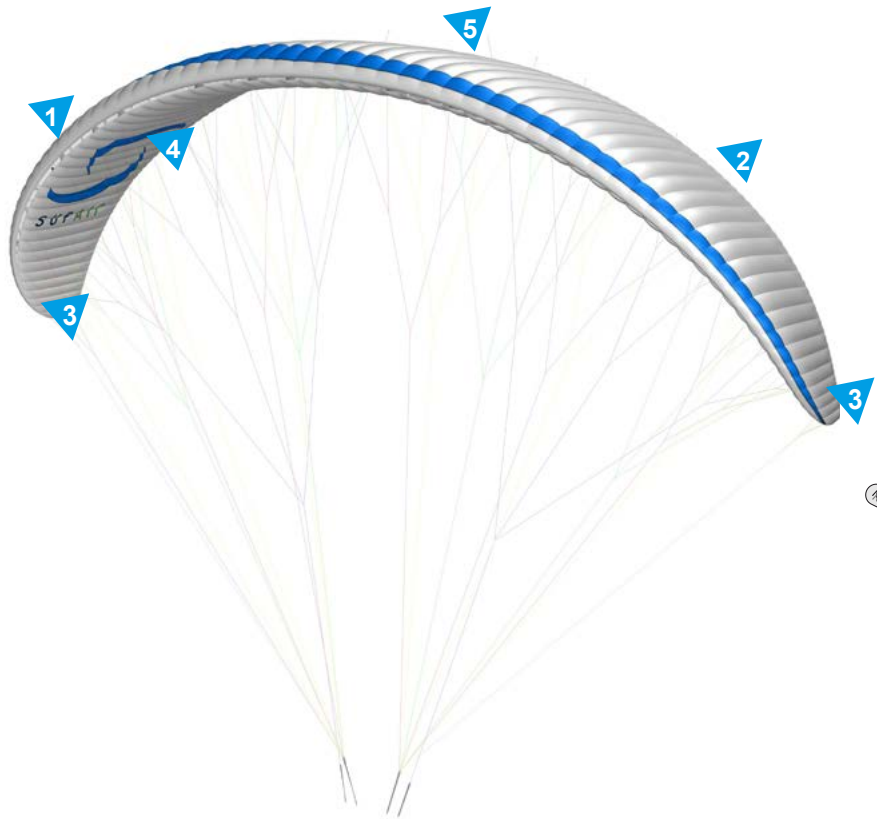
Danger !!

Glider WILD	21	23
Cell number	67	67
Flat surface area (m ²)	21	23,5
Span (m)	12,12	12,83
Chord (m)	2,14	2,26
Flat Aspect Ratio	7	7
Projected surface area (m ²)	17,53	19,62
Projected span (m)	9,36	9,91
Projected aspect ratio	5	5
Glider weight (kg)	3,15	3,4
In-flight weight range (kg)	72 - 86	80 - 95
TOTAL hooking weight	80	90
Certification	EN / LTF - D	
Riser number.	3 +1 "baby B"	
Trimmer	no	



Ocean





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Equipment overview

- 1 Leading edge
- 2 Trailing edge
- 3 Stabilizer
- 4 Intrados
- 5 Extrados
- 6 A riser
- 7 B riser
- 8 B riser
- 9 C riser
- 10 Brake line
- 11 Brake holder
- 12 Brake handle
- 13 Riser hook-up loop
- 14 Accelerator/Speedbar Split-hook.
- 15 Accelerator/Speedbar bar.
- 16 Pocket with repair kit.

Opening the wing

Choose a flat or lightly angled training hill without obstacles or wind.

Open your wing and arrange it in a crescent shape.

Check the fabric and the lines for any sign of wear or damage. Check for the links connecting the lines to the risers to be fully closed. Identify, separate and arrange the A,B,C, risers as well as the brake lines neatly. Knots or tangles can not be present.

Choosing an adapted harness.

The WILD glider was certified EN D with a EN1651 & LTF certified harness and hence can be flown with most harnesses models found on the market today. Meaning that it can be flown with most harnesses models found on the market today. We will advise you to choose a EN1651 and or LTF certified harness with a built-in dorsal protection system.

Connecting the wing to the harness.

Without twisting the risers, connect them to the harness connection loops using the self-locking carabiners.

Check for the risers to be properly positioned and untwisted. The "A" risers must be located at the front and facing the flight direction (see schematic).

Lastly, check for the main self-locking carabiners to be fully closed and locked in place.

Harness chest strap spacing

It is advised to adjust the harness's chest strap width based on your wing size :

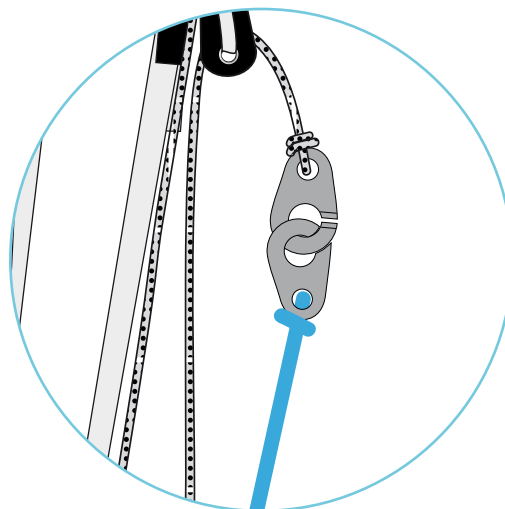
43 cm for an WILD size 21

44 cm for an WILD size 23

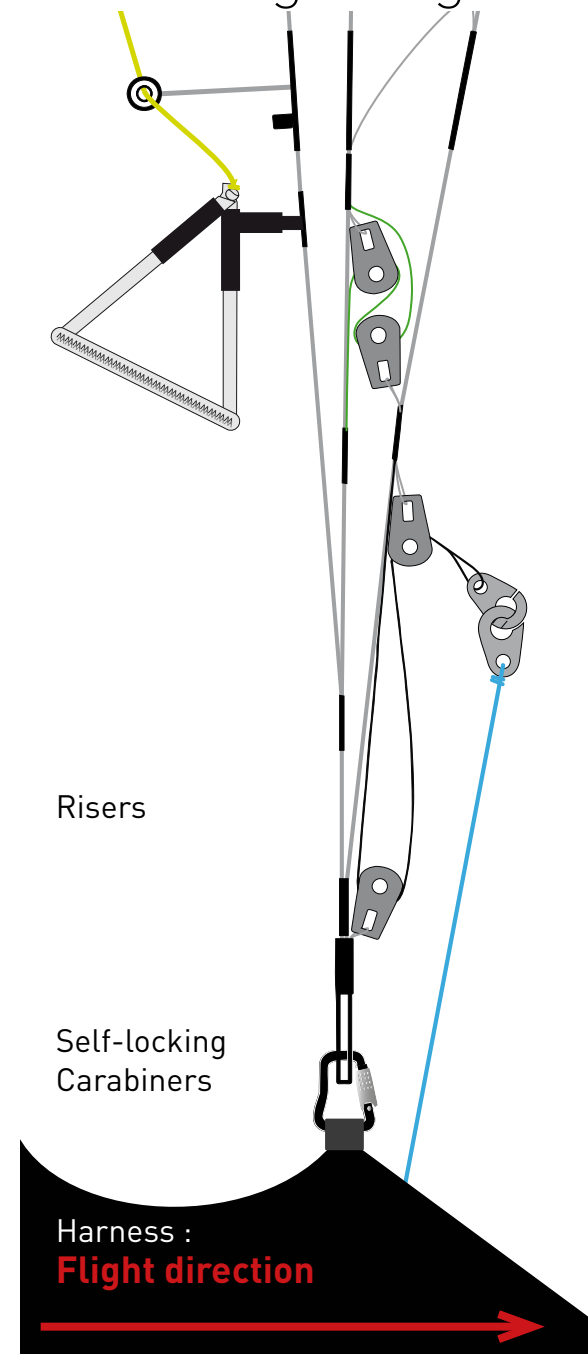
Installing the accelerator

Install the accelerator according to your harness manufacturer's recommendations.

Connect it to the wing using the split hooks. Once the accelerator/speedbar is connected, adjust its length according to your measurements. For correct use, there must not be any tension at the split-hook level when the accelerator/speedbar line is relaxed.



Connecting the glider



Risers

Self-locking Carabiners

Harness :
Flight direction

Brake line length

Brake line lengths are set at the factory to allow optimal glider control. However, if they do not suit you they can be adjusted to your liking.

We will advise using a fisherman's knot and to keep your length changes to a minimum (approx 5cm maximum).



If you modify the original default setting, have it inspected and approved by a professional before flying..



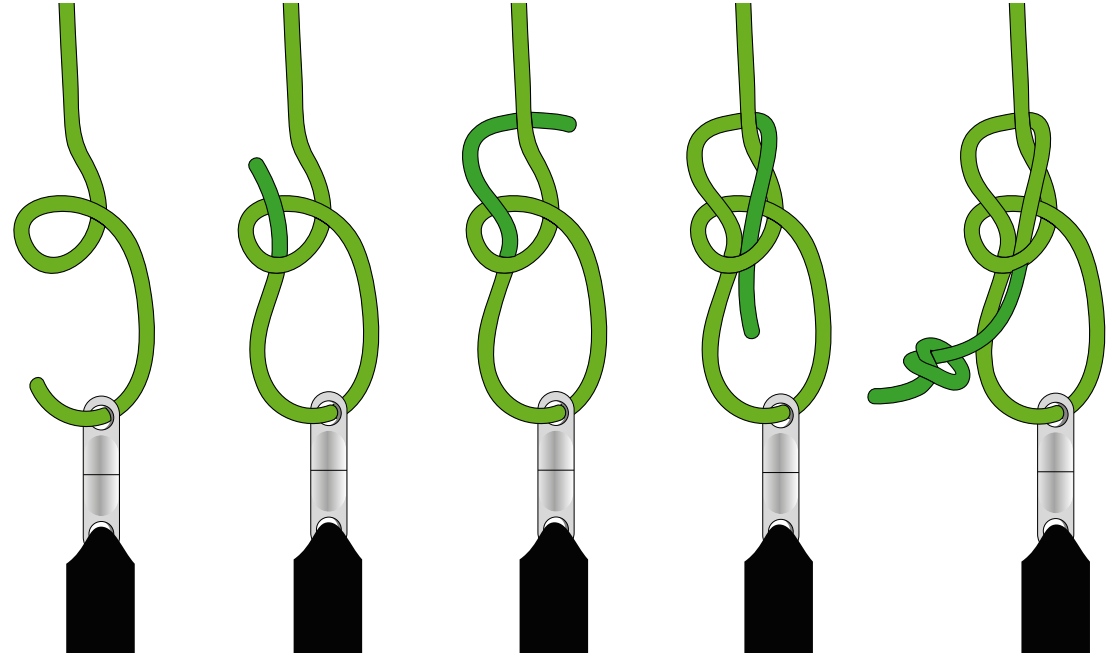
The default factory maximum brake line length is :
53 cm for an WILD size 21
55 cm for an WILD size 23

Margin

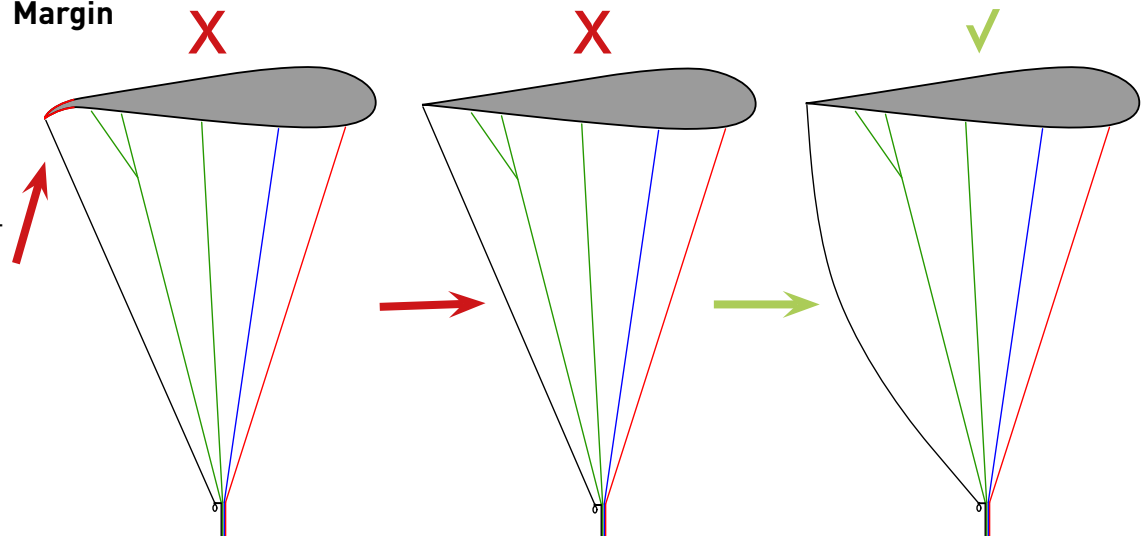


Be certain to adjust and leave a small amount of line slack to keep steering toggle play, prevent wing profile deformation and hinder the accelerator functionality. During acceleration, the glider's trailing edge must not be deformed.

fisherman's knot



Margin



The WILD is a high level competition glider for Hike & Fly and Cross-Country flying. It is a demanding wing requiring strong piloting skills from expert pilots.

To discover your new wing, we will advise you to conduct your first small flights in calm conditions on a school training hill or a familiar site you are used to flying with your own harness.

Unfold the glider and place it on its upper surface in an arc.

Separate the A,B,C risers and the brakes, be certain for the risers and lines not to have any twists or knots or be hooked to a branch, stone etc...

Caution !



It vital to conduct a thorough pre-flight check and have the harness properly connected to the glider prior each takeoff.

Run through the following procedure prior each takeoff:

- harness or carabiners do not show signs of wear and tear.
- the reserve parachute container is correctly closed and that the handle is in the correct position
- your personal settings have not been changed
- The wing is properly connected to the risers with all links securely tightened and locked in place.
- The wing is properly connected to the harness without any riser twist.
- You are securely connected to the harness with the leg and chest strap buckles closed, self-locking carabiners locked.
- You are wearing your helmet and it is properly fastened.

The R&D team has optimized the wing's performance in response to the most ambitious pilots needs. However, before the first flight, practice ground handling to familiarize yourself with your new wing. It is possible to inflate it forward or reversed.

Inflating the WILD is easy without any hard point ; the sequence demands and adaptation to the weather conditions of the day.

Forward launch

To inflate the glider grab the upper ends of the "A" risers with your hands and progressively move forward guiding the glider upward. Once the wing is flying overhead, apply brakes as necessary, look up and perform a visual check before accelerating to take off.

Reverse launch

If the wind speed is sustained and permits it, we will advise you to use a reversed inflation method more adapted to conduct a better visual check. Face the wing and grab the "A" risers. With a light pull and adapted rearward walking motion, inflate your wing. Once the glider is stable overhead, turn around, look up once more to check that all is ok. before running down the slope and takeoff.
Note: it is not necessary to use the "A" risers to inflate the wing.



Caution !

Before take-off, ensure for the airspace to be clear in front, around and above you with weather conditions matching your flying skill level..

Here are a few tips to take advantage of your WILD wing's performance in flight:

In flight, the WILD remains homogeneous even in turbulent air. The "Shark Nose" profile remains solid even when accelerated. The turn is intuitive and easy to control.

« Hands up » speed or trim speed

Flying « hands up » will provide the best glide ratio in nil wind.

Using the accelerator/speedbar.

According to the EN C norm, the WILD glider was designed to be stable throughout its speed range.

Accelerated, the wing becomes more sensitive to turbulence. If you sense a glider internal pressure decrease while pushing on the accelerator; lessen the speedbar tension to bring it back to its neutral default setting while slightly applying a small amount of brake by pulling the hand toggles and prevent a possible leading edge frontal collapse.

The accelerator/speedbar length travel is: 15 cm.

Piloting without the toggles/brakes.

If for whatever reason, the toggles/brakes are no longer available, you will need to pilot your wing using the harness and "C" risers instead. Beware not to overcontrol the glider to limit the risk of experiencing a possible stall.

To land, let your wing glide for as long as possible before applying a full braking motion. Braking using the "C" risers is not as efficient as using the toggles and could bring a more energetic landing than normal.

Piloting with the « C ».

Piloting with the "C" is used for accelerated or non-accelerated transitions or, in some cases, for winding a thermal, making the most of the wing's performance.

Piloting with the C risers offers a better wing feedback, and is ideal to anticipate the piloting moves.

This method also optimizes the performance of your wing: usually toggle input to counteract the turbulence, brakes the wing's profile and deteriorates its performance.

By using the "C" an effective controlled action is obtained while maintaining a "clean" profile and therefore a better performance.

To pilot with the « C » risers, keep your hands through the toggles and grab the risers near the « Connect » soft links.

This technique brings a true performance gain, very effective, especially coupled with the accelerator during transition.

Turns

To make your glider turn efficiently, and only after checking that the space below you is clear and safe to land on, weight shift toward the inside of the turn and progressively pull your brake/toggle on the same side until the desired turning angle is reached. The turning speed and radius can also be adjusted by using the other brake/toggle controlling the upper half side of the wing. If flying at low speed, begin your turn by raising your hand on the upper and external side of the turn to prevent a possible flat-turn or twisted turn on the vertical axis.

The WILD turns very well with toggle input, and does not require big weigh-shifting in the harness.

If flying at low speed, begin your turn by raising your hand on the upper and external side of the turn to prevent a possible flat-turn or twisted turn on the vertical axis.

Landing

Be certain to always have enough altitude for a safe landing before approaching the chosen Landing Zone (PTU, PTS, etc...). Never make aggressive maneuvers close to the ground. Always land into the wind (upwind), standing up and ready to run to a stop if necessary. Make your landing approach with maximum air speed if possible depending on the weather conditions of the moment, then progressively brake to slow the glider to a final touchdown. Beware not to brake too much, too soon and too rapidly to prevent a possible stall and hard landing.

In case of a landing in sustained higher wind speeds, you will need to quickly turnaround, face the wing, move forward while braking down symmetrically. You can equally pull the "C" risers down to deflate the glider and bring it to the ground.

Folding

Fold each side of your wing in an accordion-like shape. Stack-up the leading edge reinforcements on top of one another. Stack the panels back and up over each other to obtain the final folding. We advise you to use the SUPAIR folding bag « Rolling Bag » for better wing care.

Towing

The WILD wing can be towed up. Fly only with certified gear operated by qualified personal and only after taking a towing clinic. The towing force must correspond to the weight of the equipment, and the pulling sequence can only start when the wing is fully inflated and stable over the pilot's head.

Aerobatics

The WILD wing was not designed to enter aerobatic maneuvers. We highly discourage its use for this type of flying.

Tandem



The WILD wing was not designed for tandem flying.

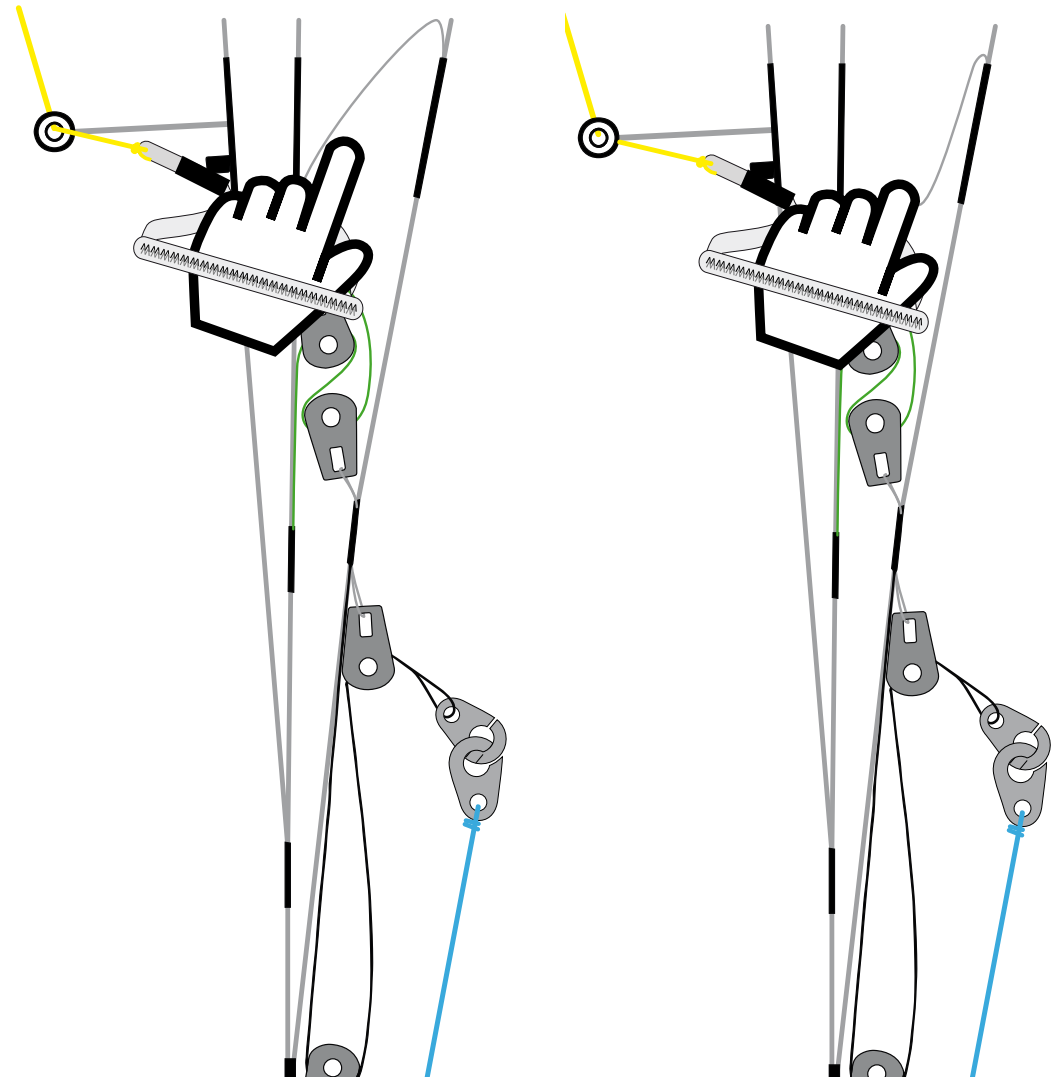
Specific usage

The following techniques should only be used in emergencies and require prior training to be safely conducted. Appropriate analysis and anticipation of the conditions will often prevent the need to use fast descent techniques. We will advise you to practice in still air and preferably above water.

Big Ears

Pulling "ears" increases the glider sink rate. We do not recommend the use of big ears close to the ground

To pull the « Ears », grab the outer « B » risers (BR3) while keeping the toggles in hands, and pull them down until the wing tips fold. It is preferable to collapse one side after the other and not simultaneously in order to prevent an eventual frontal collapse
Once the "Ears" are folded and stabilized, we will recommend using the accelerator/speedbar to regain your initial air speed.



To reopen the "Ears", bring the accelerator/speedbar back to its neutral default setting, then let go the risers symmetrically. You can pump the brake/toggles on either side of the wing to facilitate its reopening sequence.

B-line stall

This rapid descent method can not be done with the WILD.

360° spiral dives

To begin a spiral dive make sure the air space is clear around and below you, then lean toward the chosen side while gradually applying brake/toggle pressure on that side. The wing will gradually accelerate before entering a full spiral dive. You may use the outer/upper toggle to manage your sink rate.

In order to exit the rotation, get back to a neutral (centered) position in the harness and gradually release the inside brake. You need to keep the glider in a turn as it decelerates in order to limit the surge while exiting the spiral. If your exit is too radical the glider will surge aggressively and experience a substantial dive to be immediately controlled.. Gradually slowing down the rotation with the outside and upper brake will allow you to exit the spiral in a controlled manner.



To prevent stressing we do not recommend combining spiral dives with "Ears".



Conforming to the EN A, the WILD glider does not show any tendency to stay in a locked spiral configuration and will return by itself to a normal flying angle in less than two full rotations when the toggles/brakes are brought back up.



DANGER This manoeuvre places a lot of stress on the glider. The high speed and "G" force might be disorientating and, in extreme cases, cause you a temporary loss of consciousness. Practice this maneuver gradually with ample space around and below you.

Asymmetric collapses

Any paraglider may occasionally collapse due to turbulence or a piloting error. In the event of an asymmetric collapse your priority must be to stay clear of the terrain and regain level flight.

In the event of an asymmetrical collapse induced by turbulence or purposely by the pilot, we want to remind you that the best course of action to take is:

- Shift all your weight on the open side of the wing.
- If necessary, slightly brake on the open side of the wing to prevent it from rotating.
- Once the wing is balanced and stabilized, (straight flight), if the folded side does not spontaneously reopen, give ample up and down pumping motions until the collapsed glider side is fully reopened. Repeat if necessary until full reinflation is successful. In the event of a "cravat" (where the wing tip is snagged between the lines) you may use the "ears" technique described above by pulling on the tangled line to release the wingtip.

Front collapses

During a front collapse according to the certification standard the glider is designed to reopen on its own.

In the event of a frontal collapse induced by turbulence or purposely by the pilot, we want to remind you that the best course of action to take is :

- Brakes must be fully released during the collapse, we recommend that brake handles be clipped back on the stoppers when you are producing the collapse
- Wait for the wing to reopen and come back overhead : do not keep the brake pressure on, if the glider falls behind you : risk of stalling.
- Dampen the surge by using the brakes/toggles proportionally and symmetrically once the wing has overshot you.

Parachutal stall

Even though this configuration only rarely occurs, you may find yourself in a situation called "parachutal stall " where the glider descends vertically with no forward motion. If it happens, release the brakes/toggles fully and trims symmetrically. You might also need to push forward on the "A" risers. Make sure you regained a normal flight configuration before proceeding with brake/toggle usage again.

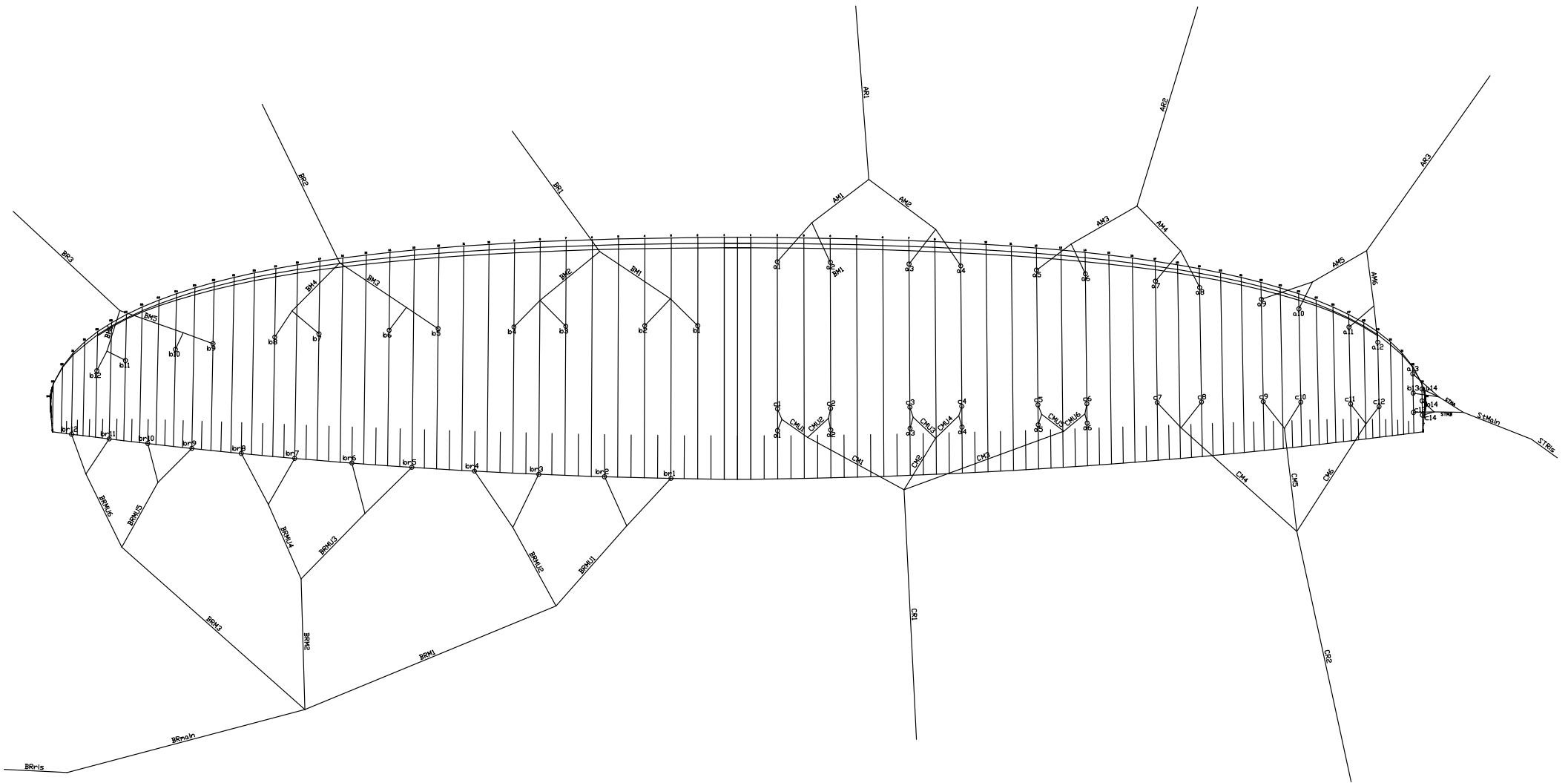
Stall

This technique is not recommended as it requires intense physical impute. It is not a safe descent technique.

Spin / asymmetric stall

A spin will only occur because of a piloting error. If so, release the brake fully on the stalled side and be certain to keep the glider in check during the ensuing dive and reopening sequence.

LINE LAYOUT DIAGRAM



Fabrics	Producer	Reference
Outer surface	Porcher Sport	Skytex 32 Universal - 70032E3W + Skytex 27 soft - 70000E4A
Inner Surface	Porcher Sport	Skytex 27 Soft - 70000E4A
Supported ribs	Porcher Sport	Skytex 32 Hard - 70032E4D
Compression straps and D ribs	Porcher Sport	Skytex 27 Hard - 70000E91
Unsupported ribs	Porcher Sport	Skytex 27 Hard - 70000E91
Rib reinforcements	Porcher Sport	Sticky Skytex

Main lines	Producer	Reference
Top cascade	Edelrid	8000U-050 / 8000U-070 / 8000U-090
Upper middle cascade	Edelrid	8000U-070 / 8000U-090
Lower cascade	Edelrid	8000U-230 / 8000U-190 / 8000U-130 / 8000U-090

Stabilo lines	Producer	Reference
Top cascade	Edelrid	8000U-050
Middle cascade	Edelrid	8000U-050
Lower cascade	Liros	8000U-050 / DSL 70

Brake lines	Producer	Reference
Top cascade	Edelrid	Cousin 12100
Upper middle cascade	Edelrid	Cousin 12100
Lower middle cascade	Edelrid	Cousin 16140
Lower cascade	Edelrid	8000U-190 / A7850X-240-041
Mailons	Ozone	Linklite

WILD glider Size 21

Line Check Maintenance Sheet

Measurements made from the base of the lines to the base of the wing, WITHOUT risers and Maillons Rapides, were under 5 kg.

Measurements made from the base of the risers to the base of the wing, WITH risers and Maillons Rapides, were under 5 kg.

		A	B	C	D	Breaks
Centre	1	7000	6932	7098	7158	7712
	2	6906	6837	6979	7045	7473
	3	6874	6806	6871	6934	7328
	4	6927	6860	6852	6913	7250
	5	6834	6760	6884	6945	7144
	6	6726	6656	6948	7000	7010
	7	6659	6591	6701		6917
	8	6685	6615	6584		6922
	9	6487	6433	6430		6798
	10	6360	6313	6358		6707
	11	6229	6188	6252		6673
	12	6205	6160	6207		6714
Stabilizers	13	5964	5933	5967		
Wingtip	14	5906	5912	5957		

		A	B	C	D	Breaks
Centre	1	7495	7427	7593	7653	7712
	2	7401	7332	7474	7540	7473
	3	7369	7301	7366	7429	7328
	4	7422	7355	7347	7408	7250
	5	7329	7255	7379	7440	7144
	6	7221	7151	7443	7495	7010
	7	7154	7086	7196		6917
	8	7180	7110	7079		6922
	9	6982	6928	6925		6798
	10	6855	6808	6853		6707
	11	6724	6683	6747		6673
	12	6700	6655	6702		6714
Stabilizers	13	6459	6428	6462		
Wingtip	14	6401	6407	6452		

Tolerance: 10 mm. Measurement made under a tension of 50N

Tolerance: 10 mm. Measurement made under a tension of 50N

Risers length WITH the Maillons Rapides :

Risers	Speed OFF	Speed ON
A	495	345
B	495	395
baby B	495	370
C	495	495

Tolerance +/- 5mm

WILD glider Size 23 Line Check Maintenance Sheet

Measurements made from the base of the lines to the base of the wing, WITHOUT risers and Maillons Rapides, were under 5 kg.

Measurements made from the base of the risers to the base of the wing, WITH risers and Maillons Rapides were under 5 kg.

		A	B	C	D	Breaks
Centre	1	7423	7350	7545	7614	8170
	2	7325	7251	7421	7497	7918
	3	7293	7220	7308	7380	7767
	4	7349	7277	7289	7360	7686
	5	7252	7187	7323	7391	7575
	6	7139	7078	7391	7450	7435
	7	7068	7010	7123		7336
	8	7095	7033	6999		7341
	9	6882	6831	6838		7210
	10	6748	6705	6761		7114
	11	6609	6572	6648		7078
	12	6581	6540	6600		7119
Stabilizers	13	6340	6310	6346		
Wingtip	14	6281	6288	6332		

		A	B	C	D	Breaks
Centre	1	7938	7865	8060	8129	8170
	2	7840	7766	7936	8012	7918
	3	7808	7735	7823	7895	7767
	4	7864	7792	7804	7875	7686
	5	7767	7702	7838	7906	7575
	6	7654	7593	7906	7965	7435
	7	7583	7525	7638		7336
	8	7610	7548	7514		7341
	9	7397	7346	7353		7210
	10	7263	7220	7276		7114
	11	7124	7087	7163		7078
	12	7096	7055	7115		7119
Stabilizers	13	6855	6825	6861		
Wingtip	14	6796	6803	6847		

Tolerance: 10 mm. Measurement made under a tension of 50N

Tolerance: 10 mm. Measurement made under a tension of 50N

Risers length WITH the Maillons Rapides :

Risers	Speed OFF	Speed ON
A	515	365
B	515	415
baby B	515	390
C	515	515

Tolérance +/- 5mm

Washing and glider maintenance.

It is a good idea to wash your glider from time to time. We recommend using sponge or soft hair brush and a non aggressive water-soluble cleaning agent (such as baby soap).

We will recommend wing inspections to be conducted at regular intervals:

- Repair eventual small fabric damages (holes smaller than a 1Euro coin or 1 US. 25 cents coin) with the small rounded sticky rips-top pieces included in your repair kit.
- Empty out the cells/caissons from sand, pebbles, grass, leaves, etc...

Storage and transport.

When not using your glider store it inside your paragliding rucksack in a dry cool and clean place protected from UV exposure. If your harness is wet please dry thoroughly before storing. If your glider is wet or humid, dry it thoroughly first.

Keep all metal parts away from corrosive elements.

Product longevity.

Irrespective of pre-flight checks, your glider must be serviced regularly and in accordance with its maintenance schedule. We will recommend for the wing to be inspected once a year or every one hundred (100) hours, and more specifically check the followings :

- Lines (no excessive wear no breakages or folds) maillons and carabiners
- Materials selected for the WILD ensure the best compromise for lightness and longevity. However in certain conditions such as exposure to UV or abrasion or exposure to chemical products the glider must be submitted to a thorough inspection by a qualified facility. Your safety depends on it!
- Carabiners must be replaced every five (5) years by identically rated and certified models recommended by the manufacturer (SUPAIR).



Repair



In spite of using the best quality materials, your glider may be subjected to wear and tear (Gigi, subjected et non subject) and hence will need to be regularly inspected at a qualified repair center.

SUP'AIR also offers the possibility for its products to be repaired beyond the end of the warranty period. Please contact us either by telephone or by E-mail sav@supair.com in order to receive a quote.

Recycling

All our materials are selected for their technical and environmentally friendly characteristics. None of the components found in our products will harm the environment. Most of them are recyclable.

If your WILD's life span is over, you can separate all metallic and plastic parts from the cloth and dispose of the rest according to your country's recycling guide lines and requirements. Please contact your local recycling center for more information..

Mandatory controls



Your glider must be checked every two year or every 100 flight hours by a qualified operator.

We advise you to take this opportunity to have your reserve repacked.

Warranty

SUP'AIR takes the greatest care in the design and production of its product line hence offers a 3 years limited warranty from the purchase date against any manufacturing defect or design issues occurring during normal use. Any damage or degradation resulting from incorrect or abusive use, abnormal exposure to aggressive factors including but not limited to; high temperature intense sun exposure high humidity etc. will invalidate this warranty.

Disclaimer



Paragliding is an activity requiring, skills, specific knowledge and sound judgement. Be safe by learning in certified schools, subscribe and obtain an adequate insurance policy as well as a flying license while always making sure your flying skills are up to the task in various weather flying conditions. SUP'AIR cannot be held responsible for your paragliding decisions or activities.



This SUP'AIR product was designed for solo use only. Any other activity such as tandem paragliding, skydiving or BASE jumping is absolutely forbidden.

Pilot's gear

It is essential to wear a helmet, suitable shoes with good ankle support and adapted clothing. Carrying a reserve emergency parachute corresponding to your weight and properly connected to the harness is also highly recommended.

The entire Sup'Air harness, accessory and reserve parachute selection (except for tandem gear), is compatible with the WILD glider. For additional information, please access our internet site : www.supair.com



SUPAIR
LIFE IS IN THE AIR

Wild

SUPAIR-VLD
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