

Windtech

EVO

update evo: "a new level in paramotor flight"



release date, january 2007

www.windtech.es



POWERED BY WINDTECH

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The new Evo is the first wing from Windtech specifically designed for powered flight. With this in mind, all the most important aspects required for a powered paraglider have been carefully thought out such as faultless launch characteristics, the highest possible safety and a high trim speed. All this has been done without ever forgetting the pilot's flying comfort whilst at the same time maintaining superb handling across the Evo's extensive speed range.

The EVO is the first powered paraglider created for a wide range of paramotor pilots who are searching for a specialised paramotoring wing that does not compromise ease of use, even for first-time pilots.

the secret of the profile

The Evo allows the pilot to modify its profile completely using the trimmers and accelerator. Therefore we call this a hybrid profilet. In the normal flying position all four rows of lines (ABCD) of the canopy are load-bearing whereas when flying at maximum speed only the A's and B's take the load.

The greatest thickness of the aerodynamic profile has been moved more forwards so as to support any changes around the centre of pressure and keep the wing pilot-able at all speeds.

design

A brand new concept together with the benefits of the latest technologies - the ultimate reference in powered paraglider design.

With a similar aspect ratio and plan form to the world famous Kinetik, the Evo is otherwise a very different machine. First, the profile is completely original and makes it possible to fly at speeds which were previously unreachable in powered paragliding. Second, the relatively low aspect ratio allows for an easy launch in all wind conditions; something which is vital for powered flying, as all paramotor pilots know only too well. Third, the leading edge openings are larger and located more forwards than for our free-flight products. The Evo's innovative leading edge design positively affects the airflow inside the wing; the profile operates at all angles and is always well fed by the relative airflow. The major positive effect of this is especially evident in the case of collapses or significant forward surges as a result of flying in turbulent conditions.

S.A.S.

Doubled leading edge for increased safety.

The Evo's leading edge has been implemented with the same system as our high performance intermediate free-flight paragliders. We call this the S.A.S (Safety Active System); a sophisticated system of floating ribs in the leading edge of the wing which allow the cell openings to be 'pre-



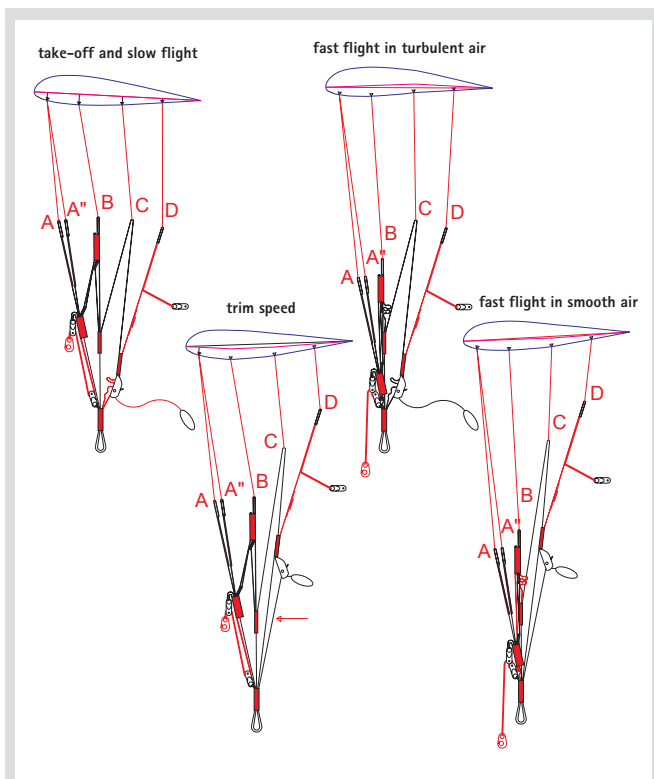
The leading edge equipped with the S.A.S. is easy to see in this photo.

inflated' thereby simplifying launch pull-up. This extra stiffness of the S.A.S greatly improves the wing's collapse resistance, and minimises any creases, so we can fully utilize the aerofoil's entire speed range.

handling

The pleasure of manoeuvrability at any speed.

The Evo has precise, swift and light handling; the same as our free flying products. The brake pressure becomes a little heavier when flying fast but remains easily controllable at all times and does not require duplicating of the commands by adding untidy accessories to turn with the stabilo or D risers.



The Evo offers multiple trimmer position combinations depending on flight conditions.



Which size Evo to choose is affected by the power of your engine and flight altitude.

risers: **every detail thought out**

Paramotor-specific riser system.

The Evo's risers are fitted with long trimmers which allow it to comfortably maintain a cruising speed of over 50 km/h and a top speed over 60 km/h. In case of flying in rough air the foot operated speed system is better to maintain a high cruising speed, control the pitch of the wing and return to slow flying if necessary.

The brake handles are made with a new soft-touch material, without any rigid pieces inside, and the handle on the throttle side is slimmer, so both handles are easy get hold of. The Evo is equipped with special spilt A-risers to make inducing the 'big-ears' descent technique easier; these are attached to the main A-riser by means of Velcro to help simplify things during launch. All metal parts are covered with neoprene to help prevent burning the pilot especially when launching or flying in short-sleeves.

materials

The best choices so the Evo always be like the first day.

The new Skytex is the best choice from the many different fabrics available on the market, using a combination of different weights for the different parts of the canopy; 9092 for the top surface; the lighter 9017 fabric for the under surface. The new Edelrid lines offer the best compromise between strength and diameter. The A and B lines are extra-strong to cater for higher wing loading.

The leading edge reinforcements are made from Dimension Polyant Dacron which has a special coating that makes them bend resistant; so you can pack the Evo away many times without losing the Dacron qualities and the wing will last longer, even with intensive use. In addition to this the main profiles are triple-stitched and the line hook-up points more substantial, making the canopy extra strong and durable.

what size to get?

The weight ranges we recommend are very wide but depending on the motor, flight altitude, and launch conditions, one size or another may be the right one for you. It's not unusual for one pilot of 85 Kg to fly the Evo 25 whilst another pilot of the same weight decides they want to fly the Evo 29 because they also want to free-fly and don't want to lose out on sink rate for thermalling.

If you have any doubts ask your Windtech dealer or an experienced pilot.

size	23	25	27	30
area (m ²)	24.10	25.80	27.70	30.10
projected area (m ²)	21.27	22.75	24.4	26.70
span (m)	11.12	11.5	11.85	12.49
projected span (m)	9.22	9.55	9.86	10.40
aspect ratio	5.2	5.2	5.2	5.2
proj. aspect ratio	4.1	4.1	4.1	4.1
max chord (m)	2.70	2.80	2.91	3.04
mix chord (m)	0.61	0.63	0.65	0.68
n° cells	52	52	52	52
line length (m)	6.71	6.94	7.20	7.55
canopy weight (kg)	60-120	70-130	85-145	100-165
min-max speed* (km/h)	22-60+	22-60+	22-60+	22-60+

sizes, colours and certification

4 sizes and 3 colour choices, plus the colour scheme you want to create.

The Evo comes in 3 standard colour combinations, or there is the option to create your own custom colour combination.

The Evo is certified EN with paramotor-specific load testing.



Evo's risers detail and the option of special risers with double hook-up points.

