



### **ADVANCE and paramotor**

The paramotor and ADVANCE history are linked to each other. Our most ancient souvenirs go back to the time of the ALPHA 1, in 1990, first model that we tested with an engine. Since, all our models, from the 1st SIGMA, passing through all the versions of the OMEGA and up to the new EPSILON 5, fly "grafted" with an engine.

ADVANCE and Ramon Morillas are paramotor World Champions in 2001 with the SIGMA 4 and in 2003 with the EPSILON 4. Ramon has beaten in April 2005 his own altitude world record with 5395 m on Tenerife island. He also flies in competition with an EPSILON 5.

### **THE ADVANCE WINGS - gliders for free flying and for paramotor !**

Though ADVANCE paragliders have been developed for free flying, they have always been appreciated by paramotorists for their performance and behaviour, from the leisure pilot to the competition pilot.

In our actual range, it is the EPSILON 5 that answers the best to the use for leisure paramotor and that's why we chose this model for the DULV certification (Deutsche Ultraleichtflugverband). When making its design manifest, we clearly defined that it should satisfy the free flying pilots but also the paramotor pilots, thanks to its simplicity, ease of inflation, high stability, solidity when flying, attractiveness, high level of speed and performances. Our target has been reached and, in addition to the DHV (1-2) certification, the EPSILON 5 is also DULV certified in the sizes 25, 28 and 31.

### **Paramotor risers EPSILON 5**

ADVANCE has specially developed risers, which due to their design and function, can be used for paramotoring and normal free flight. The risers have also met the DHV certification requirements thanks to the simple attachment system whereby the trimmer is connected to the main harness carabiner.

For paramotoring the trimmers assist in areas such as : allowing for compensation of the motors torque rotation effect, optimising cruise speeds and light wind inflations. In addition to this the EPSILON 5 paramotor risers also provide a conventional accelerator system which provides considerable speed increase in normal flight.



The EPSILON 5 paramotor risers are designed with 2 main attachment points. These 2 positions provide hang points which are 10 cms apart and allow perfect adaptation to any paramotor configuration. The lower position is also the standard for normal flight without the paramotor and guarantees all round conventional glider handling.

### Important

The EPSILON 5 with paramotor risers is in its normal **DHV certified** state only **when the trimmers are attached** to the carabiner. The DULV certification for motorised flight in the sizes 25, 28 and 31 is with trimmers used and the foot accelerator inactive.

The paramotor risers were developed and certified for use with the Epsilon 5. They have not been tested or certified for any other model. The DULV approval is based on test flights influenced by motor weight and the DHV certification strength tests with regard to the wider take off weight ranges.

Take off weight ranges		
	DULV	DHV
EPSILON 5/25	85 – 130 kg	65 – 88 kg
EPSILON 5/28	100 – 146 kg	78 – 106 kg
EPSILON 5/31	120 – 146 kg	96 – 130 kg

The required test flights were carried out using a commercially available paramotor (Walkerjet). Further motor models can be endorsed on request via the conduct of compatibility and handling tests by the motor manufacturer or DULV.

More information about motorised paragliding can be found at [www.advance.ch](http://www.advance.ch).

Übersicht Bauteile/Detailed description/Description détaillée

**Normalflug**  
Trimmer eingehängt in die Hauptaufhängung

**Paragliding**  
Trimmer blocked in with main carabiner

**Vol libre**  
Trim bloqué dans le maillon de la sellette.

2 Aufhängepunkte zum Motorfliegen  
2 Connections for paramotor flying  
2 Points d'attache pour le paramoteur

**Motorflug**  
Offene Trimmer

**Paramotor flying**  
Open trimmers

**Vol en paramoteur**  
Trim débloqué