



The TOUBKAL, the new tandem wing from Nervures was developed to respond to the requirements of both amateur and professional tandem flyers.

The major preoccupations underwriting our conceptual and fine tuning work were to produce a tandem wing delivering a high level of serenity in all conditions, and one that is also agreeable to pilot.

Serenity when you inflate with almost instantaneous inflation, and rapid wing elevation within a couple of steps. Serenity in rigorous conditions thanks to a high level of passive security. Agreeable to pilot with a precise and soft command that relegates to the past the sensation of pulling your shoulders out when you turn into the thermal! Peace of mind at landing with an especially good round off.

The TOUBKAL stands out particularly when thermal conditions are well established. Its rotation radius and piloting effort are comparable to those of a handy solo: aiming for a powerful lift while placing the tandem within a millimetre of where you want it is an exhilarating feeling. There is no tendency to be ejected from the pump, and the wing naturally re-launches itself within the thermal. When you add to this the feeling of serenity given by the TOUBKAL, it is a real pleasure for the pilot, as well as the passenger.

The manipulation of the trimmer is easy and gives you access to a wide range of speeds. The maximum speed of the TOUBKAL allows it to easily penetrate the valley breeze. The risers have a specific branch for the 'ears', which reopen automatically.

The surface of the TOUBKAL is 41m<sup>2</sup>, allowing it to cover the needs of most tandem pilots. It is certified for 110-220 kgs.

The TOUBKAL has been built specifically to age well, even with intensive use. We have no doubt it will be an excellent companion for your tandem flights, and for many years to come.





## Accessories and Options

The TOUBKAL is delivered with a small under-protection bag, a small repair kit and a carry bag. When you order, please specify which carry bag you have chosen: we recommend the BI 180 litre.

## Construction Materials

### Risers

The risers and the separators are made from polyester 25 mm straps.

We have multiplied the trimmers, produced with efficient and hard wearing ANCRA 25 mm hooks, for less stress and more precision.

### Suspension Lines

The TOUBKAL is equipped with suspension lines chosen to combine dimensional stability, fluidity and durability.

Dyneema sheathed at the top, aramid wrapped on lower lines A and B

Dyneema pre-stretched and wrapped on the lower back lines.

### The Wing:

The wing has a diagonal ribs system that allows excellent bearing of the non shrouded profiles while keeping the lowest possible weight of the canopy. The construction quality is signature Nervures: double seams, inside hems, trailing edge gallon...

We've selected the best "Porcher Sport" fabrics and have chosen a variety to ensure optimum lightness without compromising durability:

- Top wing leading edge in Skytex 9092 E 85 A (45 g DWR)
- Load-bearing walls Skytex E38 9092 A (45 g classic) which is a very stable fabric on the bias,
- Diagonal walls, intermediate walls and jambs are Skytex 9017 E 68 A (36g)

Nervures are experts in implementing a set of fabrics to provide an extremely light wing without conceding sustainability in normal flight conditions.

## Technical Data

### Technical Characteristics & Performance

Model	41
Area (m <sup>2</sup> )	40.8
Aspect ratio	4.9
Take Off weight (kg)	110-220
Optimal useful weight (kg)	180

### Performance for best in flight weight measured around 1000 m altitude

Arms up speed ( $\pm$ 2 km/h)	40
Maximum speed ( $\pm$ 2 km/h)	50
Weight of the full wing, risers with 4 branches and suspenders (kg)	7.55

