



**UP** 

***FUN & EASY Series***  
***UP Kanteqa 2***

**200% Fun**

# Kantega<sup>2</sup>

Flying the Kantega 2 is based on 100% fun and 100% safety. Designed using the latest in CAD technology, this wing's sensational handling coupled with its outstanding built-in safety sets new standards in the class. To ensure that you may also depend 200% on the Kantega 2 we have built it using the highest manufacturing standards, the best materials and the most advanced design methods available in the business today. Right from the very first flight we're convinced that you'll perceive how the Kantega 2 is simply the best you can do for the development of your own flying – 200% FUN.

► **Design Goal: More pleasure**

Our goal was clear; we wanted to build a wing that performance-wise stretched the boundaries of the DHV 1-2 class without sacrificing ANY of the inherent safety in this class. We also wanted it to look the part – if it looks good and it feels good, and we can make it safe, then it will also BE good. The looks reveal its pedigree right away; elongated, smoothly curved dihedral shape, swept-back tips and the new UP look where the graphic design underlines the sporty outline – all this combines to make flying the Kantega 2 an aesthetic as well as a sensory joy.

But looks are nothing without substance. By achieving the perfect blend of precision and dynamics, we have refined the handling to the point where we feel certain that this wing will be the market reference for years to come. The Kantega 2 allows the pilot the confidence to play in any flying environment along with the joy of having FUN while doing it. Agile and crisp when soaring and a true extension of your will when thermalling and flying XC.



**Kantega 2 – UP's Sports Class weapon for the highest level of flying FUN**

► **Performance – getting there faster through the use of new technology**

There's a self-contradiction here; on one level you'll be having so much fun that you won't want to come down, on another it is always more fun to move efficiently through the air! The Kantega 2's impressive performance is a direct spin-off from the development of the UP PERFORMANCE Series wings; we have simply refined the design features and adapted them to the demands of the 1-2 class. With the optimised Honeycomb-System and the new internal spatial structure of our wings, the 30 suspended

ribs effectively absorb turbulence and broken lift, while always transmitting a great sense of security down through the lines. The very high inherent stability thus becomes a bonus for both gliding/climbing performance and for the important FUN factor. We suggest that you take this wing out for a good wingover workout, and we predict that you'll be grinning from ear to ear.

In order to achieve the significant increases in all aspects of the performance spectrum we employed the latest technology available. Nowadays performance improvement is generally done through minute refinements of all influencing factors, and this can only be done by through a combination of years of experience with state-of-the-art technology. Our result for you is improved glide at all speeds, i.e. a flatter polar all the way up to the impressive top speed.

► **Flying fun – Class Leader in the FUN&EASY series.**

If you know where you are going, now is the time to launch – and with the Kantega 2 launching is child's play. From the outset we have been acutely aware of the influence that a wing's launching characteristics have on your enjoyment of the day, so we have made sure that you'll be thrilled right from the start. In fact even our more taciturn test pilots were all but bubbling – "It is perfect," said one, "this wing just rises like a dream". Even releasing the A-risers much too early won't perturb the Kantega 2 – it just keeps rising right up to the vertical position, where it stops and waits for you to take the lead. "The best-starting UP wing I have ever tested" was what we heard from our colleague.

Of course there is more to flying pleasure than easy launching – so we made sure that the stall-characteristics were equally impressive. The brake travel is relatively long, and the resistance grows progressively until right before the stall-point where the brake pressure rises dramatically – This is one wing you will not be accidentally stalling. Having a wing with such a precisely defined stall point allows

you to use the entire speed range with confidence, something that will make climbing in weak lift a truly playful exercise.



**From day one our test pilots have been excited about the Kantega 2 launching characteristics**

In any case, when it comes to climbing the Kantega 2 will make life hard for the higher-classified wings. The reason lies in the fact that the Kantega 2's profile has been adopted from the successful UP competition wings and as such has proven itself as one of the most efficient of all times. Also partly due to the profile, the canopy lies very stably in the air and swallows turbulence in a very reassuring manner without feeling nervous or hectic in any way, and without any tendency towards excessive diving following disturbances.

These properties made passing the DHV 1-2 tests a given, and the DHV describes the collapse behaviour, counter steering and brake travel as docile and good-natured, thereby instantly pre-destining the wing for a very large pilot segment. Thus, no matter what your flight plan is, be it endless soaring along grassy slopes,

challenging XC's through awe-inspiring mountain passes or gentle glides down through late afternoon air, the Kantega 2 will always be the perfect companion.

### ► Handling – the “pro” feeling

We laugh for many reasons, but especially for joy. So it is no surprise that pilots flying our PERFORMANCE Series wings are often laughing out loud when they land, for these are truly joyful wings to fly. But we have gone one step further and given the Kantega 2 the same “feel”, by incorporating the exact same brake line attachment method along the trailing edge of the wing. The system was developed for our Open Class flagship Targa 2, and the Kantega 2 is our first wing in the FUN&EASY Class that benefits from it. Explained simply, all these wings have a “gearing” built into the way the brake lines attach to the trailing edge.

The gearing system increases trailing edge tension as brake input increases. This variable trailing edge tension translates directly into precise, crisp handling, improved glide performance and increased safety. Hands up=very little tension=very good glide, brakes only slightly engaged=more tension=better resistance to collapses, less turning and diving after collapses, and when you engage the brakes to the full, to flare or to stop a surge, the trailing edge curves down perfectly, giving you total and effective control. And the best part is, all these very efficient and accurate tension adjustments are automatic and intuitive! So with the Kantega 2 we have launched a wing with the safety of the DHV 1-2 class but the “pro” feel and the performance of its higher-rated brethren, all so that you may be laughing when you land!

### ► Designing paragliders using the latest software

All of the new 2006 UP wings have been designed using our new 3D-CAD design software. This little bit of binary magic allows us to control all parameters of the design process in a hitherto

unprecedented way. The days of building countless real-life prototypes are all but over with this tool, as we can generally see and calculate our way around all the pitfalls and simply make it right the first time. Each rib is designed and calculated individually, and the panels connecting them as well, so that we now reach a degree of accuracy that was the stuff of dreams only a few years ago, to the benefit of the surface smoothness of the final product. Precise computer analysis and the use of the best materials available simply make the Kantega 2 a wing in a class of its own.

### ► The Kantega 2 at a glance

- Trim speed  $\geq$  36 - 37 km/h
- Very high top speed of +50km/h, with high collapse resistance all the way
- A new load bearing tape along the A-line attachment points – inherited from the Trango 2
- New riser system for improved glide at speed=flatter polar. Allows for easy BigEars
- New variable tension system at the trailing edge for amazing handling and improved safety
- Low minimum speed for better climbing in weak lift and improved safety
- Very docile collapse behaviour, precisely defined stall point and long brake travel
- Stable canopy at all speeds through improved construction methods
- New, thinner Dyneema lines from Cousin for longevity, reduced drag and higher performance
- Easy, precise handling
- New, extremely durable materials everywhere
- DHV seal pocket
- Dirt Pocket for removing debris from the stabilos
- 5 sizes with DHV certification for perfect loading for all pilots

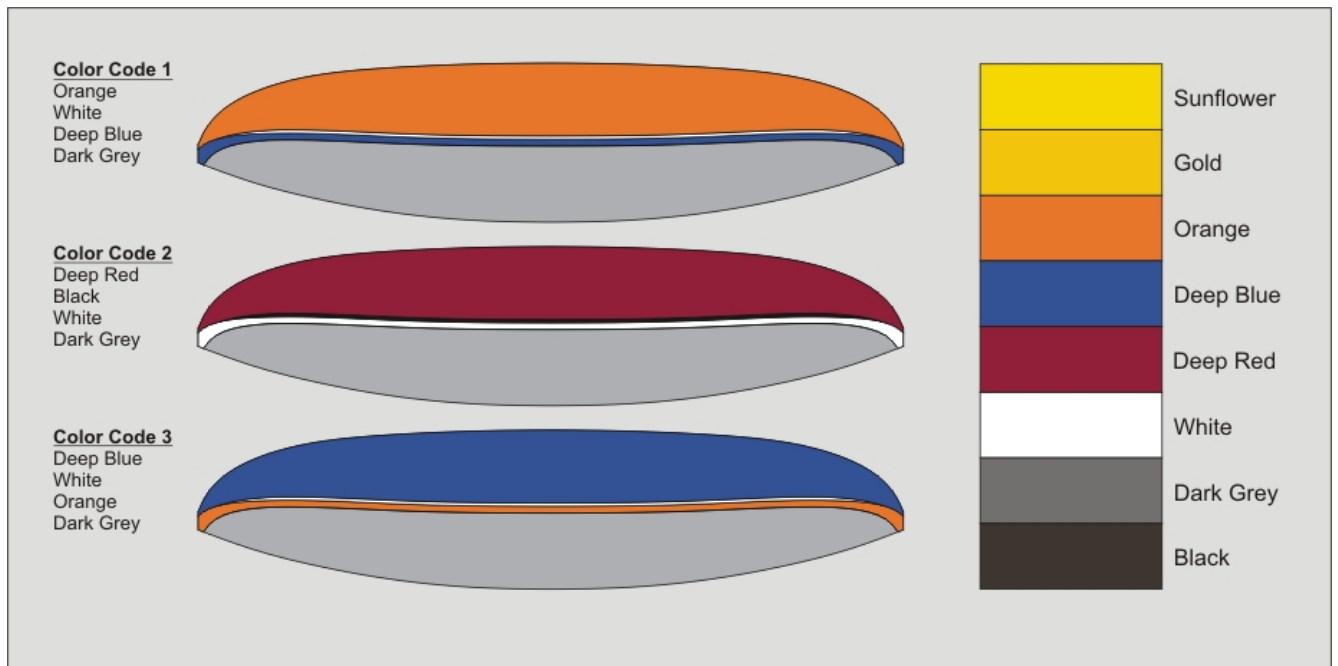
► **Design – Update of the Classic UP look**

At first glance the new UP wings look reassuringly like their predecessors in terms of graphics; the centre design stripe that has for years distinguished UP wings and made them impossible to miss in the skies has simply been re-designed with respect for the tradition but allowing the wings to look up-to-date modern again.

The new design allows UP pilots more room for expressing their individuality, as another, thinner stripe along the classical one has been added. You may choose between a number of colours for both the general wing and the stripes, or even to have both stripes in the same colour to look more like a classic UP wing.

At the wing tips the redesigned centre stripe follows the new curved-back shape, underlining the sporty, elegant look.

A new “custom-builders tool” on the UP website allows you to play with all the different colour options to design a wing that matches your individual taste and style perfectly, and make your wing as individual as its owner.



**New Design and colours**



