

Manual ParaFly24 Bettsometer

Dear paraglider pilot,

thank you very much for purchasing the Bettsometer line measuring device. The measuring device is intended for check operations as well as for private use. In private use it does of course not replace the prescribed service or check of your glider.

The tear strength of the canopy is an essential safety factor in paragliding. This measurement is part of the check, depending on the manufacturer's specifications, age and use of the glider.

The Bettsometer is intended for pilots who attach importance to optimal safety with their glider. With this measuring device it is very easy to determine the tear strength of the canopy.

It is extremely interesting for pilots who use the glider a lot for flying or ground handling and who use it in rough conditions with high solar radiation or mechanical stress at the launch site or dune. Here it is recommended to perform a check yourself between the prescribed check intervals.

Scope of delivery:

- Ready-to-use bettsometer
- Hook for other measurements up to 1 kg
- Anleitung (Download)



In private use, the measurement of the tear strength does not replace the prescribed service or check of your glider. The glider must be checked regularly by an authorized service center according to the manufacturer's instructions and local regulations. In addition to the tensile strength of the canopy, this person will also check the porosity and damage of the canopy, as well as the line lengths and their breaking load.

Even if the measurement causes a small hole in the cloth, the threads can be pushed together again by rubbing the spot, so that the air permeability is hardly affected. Nevertheless, the test should not be performed more often than necessary. 1 - 2 times per season should be sufficient.

1. measurement and calibration

For measurement it is best to stretch the cloth over a ring (e.g. empty packing tape roll) as shown and then insert the needle near a weft thread in the direction of pull and pull with the prescribed tension. The value can be easily read off the scale.

Most manufacturers specify a tensile load of 600g (6N), at which the cloth must not tear any further. The needle should stop at a transverse weft thread at the latest.

The bed gauge can be easily calibrated with the rear knurled screw. To do this, attach a 600g weight to the needle and turn the knurled screw at the back until the blue ring points exactly to 600g.

If the canopy tears further than allowed by the manufacturer, the canopy is no longer airworthy and should be disposed of according to regulations. To be on the safe side you can of course send it to the check company or manufacturer!

2. causes for measuring errors

After the needle has been pierced through the cloth, the bedtrometer should be pulled at a 90° angle, so that it does not become misaligned.

Have fun with the device and always safe and good flights :-)