iFLY Gliders, we trust.

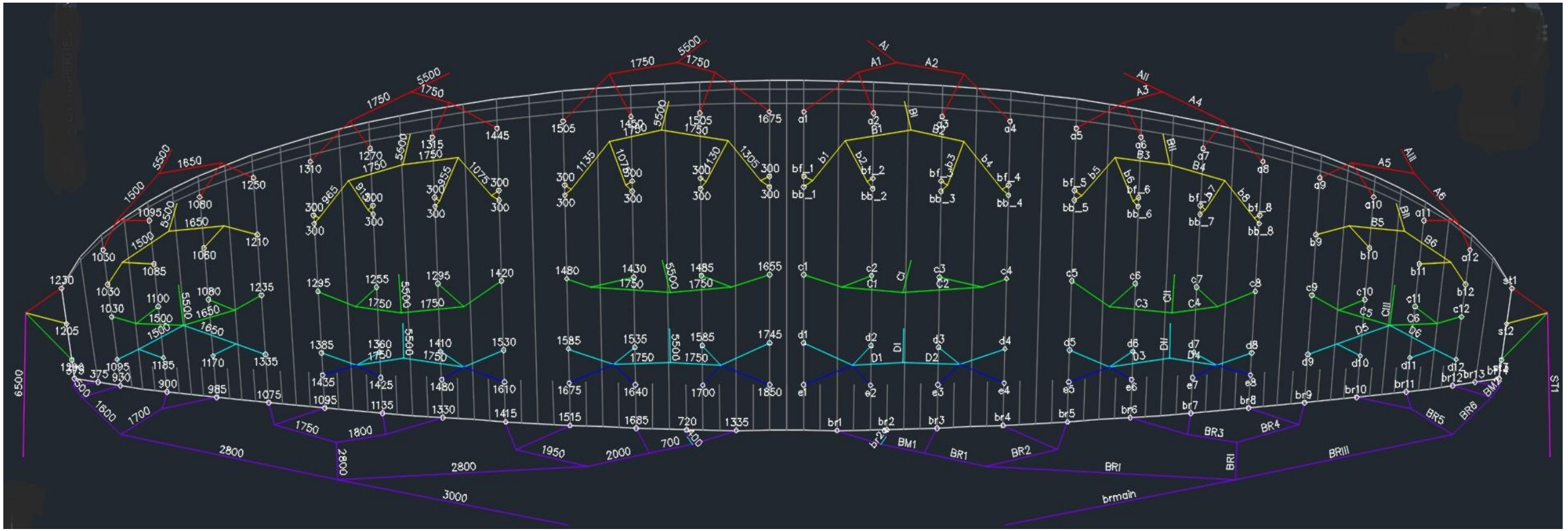
# weFLY

## Line lengths and line plan

**Created by Pilots for Pilots**


The Latest Technology & Design
Quality Materials & Craftmanship
Agility, Precision & Performance
weFLY

# weFLY Line plan



# Line lengths

## weFLY 42 line lengths

| | A | B | C | D | E | Brake |
|---|---|---|---|---|---|---|
| 1 | 8915 | 8840 | 8895 | 8980 | 9085 | 9960 |
| 2 | 8745 | 8665 | 8725 | 8820 | 8935 | 9735 |
| 3 | 8690 | 8610 | 8670 | 8770 | 8875 | 9590 |
| 4 | 8745 | 8670 | 8720 | 8820 | 8910 | 9370 |
| 5 | 8685 | 8610 | 8660 | 8765 | 8845 | 9245 |
| 6 | 8555 | 8490 | 8535 | 8645 | 8715 | 9035 |
| 7 | 8510 | 8450 | 8495 | 8595 | 8660 | 8855 |
| 8 | 8550 | 8500 | 8535 | 8620 | 8670 | 8750 |
| 9 | 8390 | 8350 | 8370 | 8470 | | 8730 |
| 10 | 8220 | 8200 | 8215 | 8305 | | 8590 |
| 11 | 8085 | 8075 | 8085 | 8170 | | 8505 |
| 12 | 8020 | 8020 | 8015 | 8080 | | 8435 |
| 13 | | | | | | 8380 |
| 14 | | | | | | 8370 |
| Stabilo | 7720 | 7695 | 7780 | | | |

# Materials

## Materials

We only use materials with which we have had good experiences over the years and whose manufacturers we have the shortest possible delivery routes. Except for the Ronstan castors, all materials used in the weFLY come from the EU.

| | |
|---|---|
| Leading edge topsail | NCV Skytex 38 / 70 |
| Topsail | NCV Skytex 32 or 38 |
| Trailing edge topsail | NCV Skytex 38 |
| Bottomsail | NCV Skytex 27 or 32 Soft |
| Trailing edge lower sail | NCV Skytex 32 |
| Inner construction | NCV Skytex 70032 E4D HF |
| Main lines | Edelrid Helix 7343-420/230/190/140, Ø 1.7, 1.5 and 1.3mm |
| Upper lines | Edelrid 8000U-130/90, Ø unsheathed 0.9 and 0.8 mm |
| Brake lines | Edlerid 8000U-90, Ø unsheathed 0.8 |
| Steering line | DFLS |
| Risers | Cousin Polyester/Aramid 12mm |
| Linen locks | Peguet 3.5mm |
| Thread | Anefil Poly M T-45 and T-90 |
| Leading edge profilr | Nitinol wire |

# Technical Specification

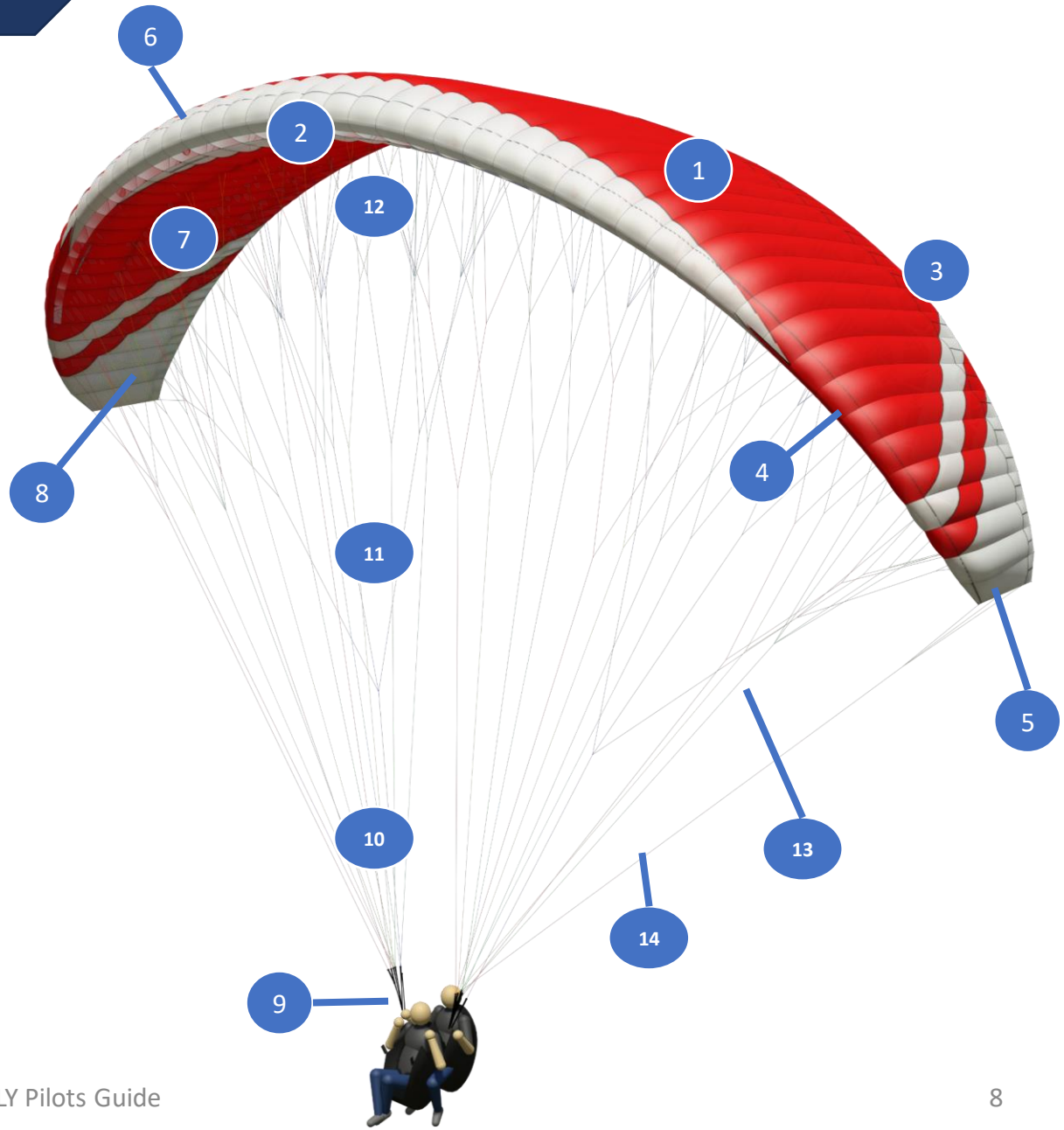
| weFLY | | 42 |
|---|---|---|
| | | |
| Flat area | m² | 44,4 |
| Projected area | m² | 37,44 |
| In-flight weight min. | kg | 120 |
| In-flight weight max. | kg | 220 |
| Glider weight | kg | 7,85 |
| Aspect ratio flat | | 5,6 |
| Aspect ratio projected | | 4,18 |
| Span flat | m² | 15,77 |
| Span projected | m² | 12,51 |
| Canopy depth max. | | 3,48 |
| Certification EN/LTF | | B |
| Cells | | 49 |
| Riser | | 3+1 |
| Riser Length | | 49 |
| Trimmer | | Yes |
| Accelerator path | mm | 160 |
| AB difference | mm | 80 |
| Brake travel max. | cm | 65-90 |
| Adjustable devices | | Trimmer |

# Risers

1. Mailons
2. A-riser (the pull-up strap)
3. Baby-A-riser (for laying on the ears)
4. B-riser
5. C-riser
6. D-riser (the rear riser)
7. Brake
8. Brake pulley
9. Brake swivels
10. Brake handle
11. Magnetic clip
12. Trimmers
13. Trimmer belt with handle and Velcro
14. Hanging loop (for the main carabiners)

# State-of-the-art Construction

1 Top Sail
2 Leading Edge
3 Trailing Edge
4 3D Shaping
5 Stabilo
6 Nitinol Wire
7 Bottom Sail
8 Dirt Outlet Openings
9 Riser
10 Main Lines
11 Middle Lines
12 Upper Lines
13 Brake Line
14 Stabilo Line



# Appendix D – Line plan

## Line Check and Facts About Line Lengths

weFLY is designed so that you can check your main lines quickly and reliably at any time. The main lines are the longest in the paraglider and, therefore, the most susceptible to stretching. A relevant trim change in the upper galleries is unlikely if their lengths are correct. This is why testing the main lines is a sound check.

To do this, hang your riser somewhere, go to the canopy with the lines taut, and compare the A, B, C, and D main lines of each section, combining all main lines in one riser. A/B/C/D I, A/B/C/D II and A/B/C III. You should pull the lines with a force of 5 - 10 kg.

With the weFLY, all main lines in a section must be the same length.

# weFLY

- The Latest Technology & Design
- Quality Materials & Craftmanship
- Agility, Precision & Performance

iFLY Gliders, we trust.

# Enjoy your weFLY

We will be delighted to help you with any queries or questions.  Please get in touch.

iFLY Team

https://iflygliders.com

**Created by Pilots for Pilots**