



**ICARO**  
paragliders

# **CYBER 4**

PRODUCT **BOOK**



# CYBER 4

LTF 1  
EN A

simply fun flying, optimally adapted for schooling

The **CYBER 4** combines the best characteristics of its forerunner CYBER 2+ and the innovation of the actual glider generation.

We believe the **CYBER 4** is the perfect schooling- and beginner glider. It is extremely easy to start and takes the pilot smoothly and securely into the air. With its gentle steering forces the stable canopy it ensures a trusting and relaxing feeling whilst flying. In comparison to the CYBER 2+ the handling is much more free-moving and the glider therefore more flexible. It has been recently certified by LTF 1 as well as the European norm ENA.

The **CYBER 4** is the easiest way to enjoy flying in a carefree way.

**Target group:** For all beginners with little or intermediate flight experience with the desire to get maximum security.

**Specifications:** easy to fly beginners glider with improved handling and efficient and easy to operate aids to descend quickly.

**Material:** ICARO only uses material which has been tested long term and which has been proved to be perfect. All materials used are made in Europe (NCV, Edelrid, Maillon Rapide, Ackermann, Güth & Wolf).

All the best of fun!  
*Your Team ICARO paragliders*



ICARO paragliders CYBER 4 - simply fun flying

# EIGHT REASONS TO CHOOSE THE CYBER 4:

## 1. imperturbable and secure

In turbulent air it absorbs reliably all turbulences and evens out pilots mistakes gently.

The beginner can put all his trust in this glider. With the new EN-certification A the glider is qualified for schooling and even more secure then its forerunner.

A particular highlight is the differentiate offset of the profile in the canopy to avoid a stable spiral.

The steering ways are long with strong rising pressure up to the point of stall in order to avoid an accidental break. In case this happens once the **CYBER 4** reacts softly and reverts back to normal flight when releasing the break.

## 2. ideal at the take off

The **CYBER 4** makes starting child's play. V-rips ensure an easy and a clearly arranged line geometry. The lines are easily sorted with a 50% lower risk for knots at the start.

The canopy fills quick and evenly and rises constantly and fast above the pilot. It even seems as if the canopy is "waiting" for the pilot. It shows no tendency to overshoot or left behind the pilot.

With its ideal starting behaviour it helps the pilot at the launch even if the start conditions are not ideal, for example short launch sites, with side wind or slight tailwind. The **CYBER 4** provides a fully relaxed start into a pleasurable flight.

## 3. well-balanced and harmonic

The flight behaviour of the **CYBER 4** is well-balanced and harmonic. The system which variably increases the tension at the brakes, which is typical for ICARO, allows an increasing steering pressure and a nicely dosed curve. The **CYBER 4** can be centred in the thermal with graceful curves and can climb up. A true delight since the system which increases the tension also provides a good climbing behaviour in the thermals.

## 4. sportive and attractive

The sportive wing shape, the fresh colours combined with the modern and elegant wing design give the **CYBER 4** a very attractive appearance.



## 5. effortless and efficient descending

The **CYBER 4** offers the beginner various helps for descending. B-Stall, big ears and the deep spiral operate as expected easily and securely.



C-  
STALL

Our recommendation for a fast descending with the **CYBER 4** is, however, the C-Stall: The C-Stall is a perfectly functional help to descend, which every beginner can learn. At the moment it is the only LTF1 on the market.

This is why we recommend the C-Stall: The C-Stall can be entered with little effort and it can be held easily. Efficient up to 9 m/sec stable in direction and gentle to the material.

This manoeuvre requires like the B-Stall a practical briefing and a little practise in order to apply it securely in case of emergency. This is why we recommend learning the C-Stall like the B-Stall in the course of a security training over water.

Since the usage of the C-Stall could be slightly stressful the **CYBER 4** comes with an easy to identify label and handle at the risers which are unmistakable. A detailed description on video and in the manual, the short version at the glider.

## Advantages of the C-Stall compared with the B-Stall

### Marginal entering- and holding force

In order to enter the B-Stall or to hold it, an extremely high effort is needed, when using other gliders. Light pilots are sometimes not in the position to enter a B-Stall or pull it far enough to achieve a good sinking ratio. The high holding power rips the risers out of the pilot's hands. The B-Stall can therefore not be held very long. These problems intensify in rising air masses. The C-Stall is in comparison soft and easy to be entered and to be held since there is hardly any load on the C-level.

### High sinking ratios

The sinking ratios accomplish with only slightly pulled risers quickly 6 m/sec – 9m/sec, which can be held over a long time.

### No tendency to deep-stall

With the C-Stall there is no deep-stall tendency while finishing as it is with the B-Stall.

On the contrary, since the canopy quickly gains speed the C-Stall must be released with care. The risers must not shoot up abruptly.

### Preserving the material

Another disadvantage of the B-Stall is the high material strain. The high load which is normally carried by the B-level is relocated to less robust glider parts and this can cause overstretching or in the extreme case even cracks.



# CYBER



## 6. ICARO innovations & quality

The following innovations and techniques are applied with the **CYBER 4**:

-  our constantly up to date development software with the latest calculation methods for the sail material tension and 2D-handling enables wrinkle-free canopies and with it: capable gliders
-  profile offset to avoid a stable spiral
-  V-Rip system (which simplifies additionally the launch behaviour and the reinflation of the canopy after collapses)
-  opening at the stabilo cell to release dirt
-  separate A-risers for big ears

### A tip of our designer Michael Nesler:

“A few of the new beginner's gliders have every cell hung-up with lines in order to avoid V-rips due to cost reasons. This involves approx. 25,00 EUR for the production but for the pilot this means many more lines, approx. 35% more line resistance, knots, longer sorting and a glider like this reminds of a old piano from the beginning of para gliding times.”

## 7. valuable and durable

The consistent commitment to high-quality material and manufactures techniques:

- long lasting durability through D60-material in the risers
- Laser-cut material panels
- trimmed edges made desolated
- tailored V-rips
- T-profile at the lower sail
- and also the tailored symmetric canopy design

... ensure long life and form stability.

## 8. comprehensive service

ICARO paragliders have gained a name in service in the last years:

- Repairs, checks and all other service enquiries are being handled in real-time.
- Demo gliders can be picked up easily at ICARO paragliders beside the A8/A1 between Munich and Innsbruck. By appointment even at the weekend.
- Our test pilots, designer and team pilots are available if you have any queries regarding flight techniques and material and even offer to fly with the pilots in case of more difficult cases.



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## CYBER 4

		S	M	L
Surface flat	m <sup>2</sup>	25.40	28.14	30.44
Surface projected	m <sup>2</sup>	21.46	23.77	25.71
Span flat	m	11.02	11.60	12.06
Span projected	m	9.31	9.80	10.19
Aspect ratio	A/R	4.78	4.78	4.78
Number of cells		38	38	38
Take-off weight min-max	kg	65-90	85-105	95-130
V trim	km/h	-	-	-
V max	km/h	-	-	-
Number of risers		4+1	4+1	4+1
Weight of the glider	kg	5.8	6.3	6.7
Certification	LTF	1 GH	1 GH	1 GH
	EN	A	A	A

Certification Paramotor



Colour: black/silver



Colour: silver/red



Colour: red/yellow

The CYBER 4 is available in sizes S, M and L and in three fresh colour combinations.

The glider is deliverable on april/may 2009 from stock.

More information under:

ICARO paragliders

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