



# C-TECH FLEXIFURL

CTFLX 50mm

CTFLX 75mm

CTFLX 95mm

## Performance headsails furled easily

C-Tech FlexiFurl  
horizontal furling  
battens are reliable  
every time.



Whether your boat is in racing or cruising mode, **C-Tech FlexiFurl** horizontal battens offer the perfect means of achieving a rapid and efficient headsail furl.

Their performance has been proven with race results and extensive feedback over three years. Designed and manufactured in-house at C-Tech, the FlexiFurl's curved profile strips compress flat when furling then spring back to their designed flying shape.

In the unlikely event of a **C-Tech FlexiFurl** batten breaking, it will not cause damage to the sail, thanks to its design.

The battens are supplied in standard lengths to ensure they are easy to fit (see specs on page 19).

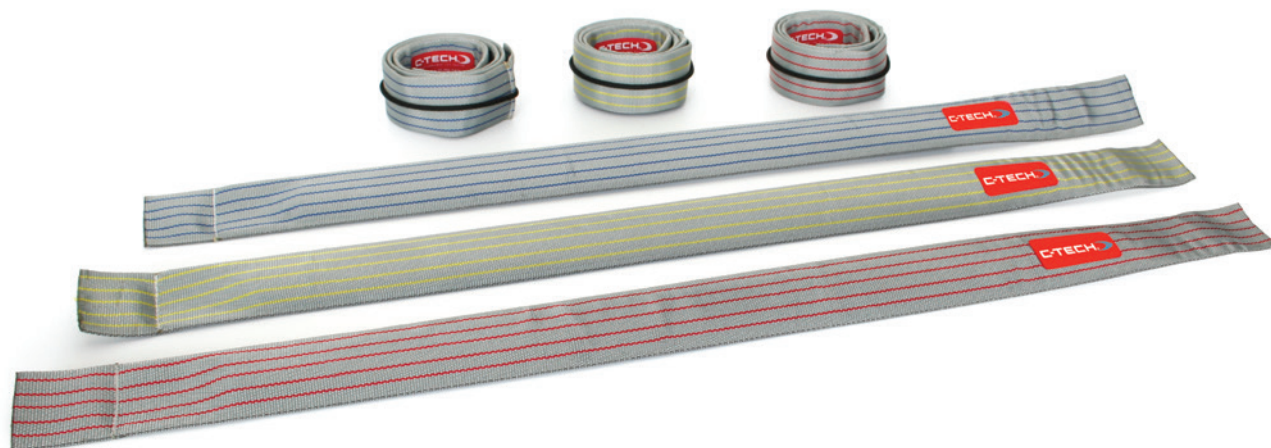
### C-Tech FlexiFurl are designed for:

Yachts 25ft – 60ft: **50mm**  
Yachts 50 – 85ft: **75mm**  
Yachts 80ft+: **95mm**

### Key Features

- Rolls to a small diameter
  - Prepreg glass and carbon shells inside a webbing cover
  - Lightweight
  - Used with furling headsails
  - Composite battens cannot snap and damage the sail
  - Tough webbing outer cover
  - Proven and tested
  - Stocked standard sizes and stiffness options available
- Soft: Red**  
**Medium: Yellow**  
**Stiff: Blue**
- Custom taper options available

## Design Advantages



### TAPERED OPTIONS

There are two standard taper options that can be applied to any of the standard FlexiFurl battens.

**66% Taper (T)** – More camber before kinking

Mostly used for top battens in the deeper section of the sail where more camber is required before the batten kinks. The back third of the batten is the same stiffness as is specified for the parallel batten code; however, the overall stiffness of the batten is reduced by approximately 60%. We recommend accounting for this by specifying a code stiffer than that required before the taper is applied. Approximate draft position is 35%.

**25% Taper (TS)** – Suitable for small cables

Mostly used in leech applications when the batten is close to the luff or furling around a small cable. The tapered tip helps the FlexiFurl start furling around the cable/foil; this results in a tighter furl.

The back  $\frac{3}{4}$  of the batten is the same stiffness as is the parallel batten code; however, the overall stiffness of the batten is reduced by approximately 15%.

Our sales team can help you specify the most suitable FlexiFurls for your application.

### FURLING AROUND HEAD FOILS/CABLES

There are a number of factors that come into play when furling FlexiFurls around a head foil or cable. Each case is different and depends on the cable diameter, sail weight, sail size, batten angle and furling system (top down or bottom up). Please contact C-Tech for special requirements.

As a general guide:

**50mm FlexiFurl range**

Approx furl diameter: **40mm**

**75mm FlexiFurl range**

Approx furl diameter: **80mm**

**95mm FlexiFurl range**

Approx furl diameter: **100mm**

### MORE ROACH

FlexiFurls have a higher ability to take compression (when compared to airbattens) and can, therefore, support more roach.

### FULL LENGTH TOP BATTENS

Careful considerations need to be taken when specifying these battens. If the sail has too much camber the batten will 'kink' before full depth is reached. A custom taper is normally shaped into the batten to ensure the batten sets correctly. To do this we need the design depth % of the sail.

### ORDERING

To make the ordering and specification process easier please provide the following information when requesting a quote:

- Boat size and design
- Sail type
- Photo/Image of the sail
- Number and length of battens required
- Head foil/cable diameter

### CUSTOMISATION

Also, we can customise standard FlexiFurls with non-standard lengths and tapered versions.

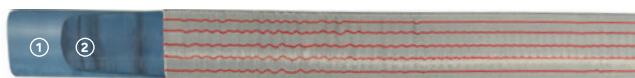
### IMPORTANT: INSTALLING C-TECH FLEXIFURLS

Please refer to our Installation Guide and Care Instructions:  
[http://www.sailbattens.com/bat\\_ctflexifurl.htm](http://www.sailbattens.com/bat_ctflexifurl.htm)

# Specifications

## 50mm: Yachts 25 – 60ft

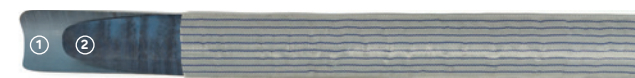
Batten Code	Stripe Colour	# Plates	Length (mm)	Width (mm)	EI (Nm²)	Approx Weight (grams)
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CTFLX0400.500/222	Red	2	400	50	2.6	65
CTFLX0500.500/222	Red	2	500	50	2.6	80
CTFLX0600.500/222	Red	2	600	50	2.6	95
CTFLX0700.500/222	Red	2	700	50	2.6	110
CTFLX0900.500/222	Red	2	900	50	2.6	150
CTFLX1200.500/222	Red	2	1,200	50	2.6	200



CTFLX0500.500/232	Yellow	2	500	50	4.5	80
CTFLX0600.500/232	Yellow	2	600	50	4.5	95
CTFLX0700.500/232	Yellow	2	700	50	4.5	110
CTFLX0900.500/232	Yellow	2	900	50	4.5	150
CTFLX1200.500/232	Yellow	2	1,200	50	4.5	200



CTFLX0700.500/333	Blue	2	700	50	5.2	140
CTFLX0900.500/333	Blue	2	900	50	5.2	180
CTFLX1200.500/333	Blue	2	1,200	50	5.2	240

## STIFFNESS GUIDE

Soft: Red | Medium: Yellow | Stiff: Blue

## UNDERSTANDING FLEXIFURL CODES

CTFLXLLLLL.WWW/SSS TT



\* To specify taper

No taper = exclude code

66% taper = T

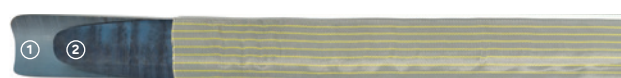
25% taper = TS

eg. CTFLX2000.950/343T

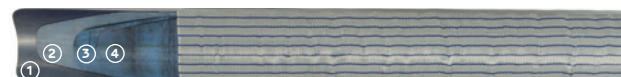
- 2000mm long
- 95mm wide
- 343 stiffness
- 66% taper

## 75mm: Yachts 50 – 85ft

Batten Code	Stripe Colour	# Plates	Length (mm)	Width (mm)	EI (Nm²)	Approx Weight (grams)
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CTFLX1200.750/333	Yellow	2	1,200	75	30	470
CTFLX1600.750/333	Yellow	2	1,600	75	30	600
CTFLX2000.750/333	Yellow	2	2,000	75	30	770
CTFLX2400.750/333	Yellow	2	2,400	75	30	940
CTFLX2800.750/333	Yellow	2	2,800	75	30	1,100



CTFLX1200.750/343	Blue	4	1,200	75	60	800
CTFLX1600.750/343	Blue	4	1,600	75	60	1,050
CTFLX2000.750/343	Blue	4	2,000	75	60	1,300
CTFLX2400.750/343	Blue	4	2,400	75	60	1,550
CTFLX2800.750/343	Blue	4	2,800	75	60	1,800

## 95mm: Yachts 80ft+

Batten Code	Stripe Colour	# Plates	Length (mm)	Width (mm)	EI (Nm²)	Approx Weight (grams)
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CTFLX1600.950/343	Yellow	4	1,600	95	150	1,200
CTFLX2000.950/343	Yellow	4	2,000	95	150	1,500
CTFLX2400.950/343	Yellow	4	2,400	95	150	1,800
CTFLX2800.950/343	Yellow	4	2,800	95	150	2,100
CTFLX3200.950/343	Yellow	4	3,200	95	150	2,400



CTFLX1600.950/353	Blue	6	1,600	95	210	1,700
CTFLX2000.950/353	Blue	6	2,000	95	210	2,100
CTFLX2400.950/353	Blue	6	2,400	95	210	2,500
CTFLX2800.950/353	Blue	6	2,800	95	210	2,900
CTFLX3200.950/353	Blue	6	3,200	95	210	3,300





CTFLX  
95mm

**It has been a game changer switching to FlexiFurls. They have given us true race performance in our furling sails. Also, the service has been tops, so really happy all around.**

Peter Holmberg

## PEACE-OF-MIND PERFORMANCE

Through our ability to satisfy and stretch beyond customer expectations we have built a global reputation for time-tested performance.

### Ordering

C-Tech SailBattens and C-Tech PlateBattens are available to sailmakers and end-users directly. To place an orders please contact: [orders@sailbattens.com](mailto:orders@sailbattens.com)

### Prices/Quotes

For price information or a quote, please e-mail C-Tech: [info@sailbattens.com](mailto:info@sailbattens.com)

Or complete the enquiry form on the C-Tech SailBattens website: [www.sailbattens.com/orders.htm](http://www.sailbattens.com/orders.htm)

### Online Support and Installation Guides



Look out for our installation guides and batten repair brochures to ensure the maximum lifetime of our products. These can be downloaded from:

[www.sailbattens.com](http://www.sailbattens.com)  
[www.snuffair.com](http://www.snuffair.com)

- SnuffAir Instructions for Use
- FlexiFurl Installation Instructions
- SailBatten Joining and Trimming Instructions
- SailBatten Repair Instructions

### Worldwide Delivery

C-Tech SailBattens products are delivered worldwide via sea freight or air freight.

Pre-fitted factory joins allow battens to be supplied in sections.

Joins must be glued on arrival, as the final strength of the batten depends on the glued join.



### QUALITY CERTAINTY

All C-Tech's products are made expertly from robust, high-quality materials to exacting specifications. They are more than a match for the rigorous demands of performance and durability required by our customers.



### PERFECT FIT

Few of C-Tech's customer needs are the same, so we offer an extensive range of products carefully designed to meet the many specialised requirements of our worldwide customers.



### ADVANCED TECHNOLOGY

C-Tech has a continual R&D programme to refine existing composite products, introduce new materials and develop new product breakthroughs for customers.



### FAST RESPONSE

C-Tech has the ability to adapt quickly to changing customer requirements and to provide rapid answers to all customer enquiries.



### VALUE FOR MONEY

At C-Tech, we are performance rather than price driven; however, we always ensure our customers get optimum value for their money.



## **SailBattens**

**info@sailbattens.com**

**www.sailbattens.com**

## **SnuffAir**

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## **C-Tech**

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*Results are everything – Performance-led Composite Solutions for Yachting, Sport and Manufacturing*