Sail Battens are important

They hold design shape in the sail and they affect how a sail works. They can change a boat’s upwind height and the rig’s total power. Sailbattens can also diminish or extend – a sail’s range of peak performance. **FIBERFOAM** are the world’s leading Sailbattens.

Why **FIBERFOAM** Composite Sailbattens?

You have got a new sail and you want to go fast...

So why put solid, low-tech, fibreglass rods or bars in your new sail?

Fiberfoam’s Composite construction techniques have been tried and tested over 25 years and our battens remain the first choice of today’s discerning sailor. Fiberfoams NEW profiles are custom designed for modern Rigs. Our flat battens have less tendency to ‘S’ in the batten pocket and are more resistant to torque. They develop less side-stay wear than round or ribbed profiles, and give a smoother overall sail shape than other profiles. Our sailbattens are your fine tuning tool. **Furthermore, they are fast!**

Be sure your Sailmaker gives the best – insist on **FIBERFOAM** Composite Sailbattens.

Here is why:

- Light
- Fast Aerodynamic shapes
- Biggest range of Battens of any producer worldwide
- Accurate & Optimal Stiffness to suit your sail
- User friendly surfaces – No Fibreglass in fingers

Contact:

**FIBERFOAM** Austria
Bundesstraße 106  I  A-5721 Piesendorf
Phone / Fax: +43 (0)6549 20159
info@fiberfoam.net  I  www.fiberfoam.net
These popular battens are light, strong and cost effective. Unlike other leech battens which are parallel at the back, our new shape has a progressively stiffer back section to give extra vital support as it tapers back to the leech. The result is much better control of the leech section from main sheet tension, and a more gust responsive leech.

Yachts-Leech

Yachts-Leech cross section:

Order Options:

You Specify: Send us Batten Lengths/Batten Widths/Stiffness (Med, Hard, etc.)

... or ...

We Specify: Send us Batten Lengths/Boat Class (can also add Sail Area)

then mail to: info@fiberfoam.net
These high performance battens are now better than ever. The new profile gives maximum
draft at approximately 42% and an excellent ratio of tip bend to leech stiffness that results in
a more efficient rig.

Now used in all types of Fullbatten mainsails ranging from Cruising to Racing Yachts. Why
loose out on speed? With FIBERFOAM Composite Fullbattens, you could find that elusive
winning edge.

Also good news for the cruising yachtsman because apart for being faster, we reduce weight
aloft – easier to handle – an important consideration if sailing short handed!

FIBERFOAM Composite Fullbattens are up to 50% lighter than standard glass battens for the same stiffness.

Yachts-Fullbatten cross section:

<table>
<thead>
<tr>
<th>Boat Length</th>
<th>Batten Type</th>
<th>Batten Type</th>
<th>Batten Code</th>
<th>Batten Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Meter 25’er</td>
<td>#1</td>
<td>18mm Medium Full</td>
<td>18mm Medium Full</td>
<td>18M – F</td>
</tr>
<tr>
<td></td>
<td>#2</td>
<td>18mm Hard Full</td>
<td>18mm Hard Full</td>
<td>18H – F</td>
</tr>
<tr>
<td></td>
<td>#3</td>
<td>18mm Hard Full</td>
<td>18mm Hard Full</td>
<td>18H – F</td>
</tr>
<tr>
<td></td>
<td>#4</td>
<td>18mm Hard Full</td>
<td>18mm Hard Full</td>
<td>18H – F</td>
</tr>
<tr>
<td></td>
<td>#5</td>
<td>18mm Hard Full</td>
<td>18mm Hard Full</td>
<td>18H – F</td>
</tr>
<tr>
<td>10 Meter 33’er</td>
<td>#1</td>
<td>22mm Hard Full</td>
<td>22mm Hard Full</td>
<td>22H – F</td>
</tr>
<tr>
<td></td>
<td>#2</td>
<td>22mm Hard Full</td>
<td>22mm Hard Full</td>
<td>22H – F</td>
</tr>
<tr>
<td></td>
<td>#3</td>
<td>22mm Hard Full</td>
<td>22mm Hard Full</td>
<td>22H – F</td>
</tr>
<tr>
<td></td>
<td>#4</td>
<td>22mm Hard Full</td>
<td>22mm Hard Full</td>
<td>22H – F</td>
</tr>
<tr>
<td></td>
<td>#5</td>
<td>22mm Hard Full</td>
<td>22mm Hard Full</td>
<td>22H – F</td>
</tr>
<tr>
<td>12 Meter 40’er</td>
<td>#1</td>
<td>26mm Hard Full</td>
<td>26mm Hard Full</td>
<td>26H – F</td>
</tr>
<tr>
<td></td>
<td>#2</td>
<td>26mm Hard Full</td>
<td>26mm Hard Full</td>
<td>26H – F</td>
</tr>
<tr>
<td></td>
<td>#3</td>
<td>26mm Hard Full</td>
<td>26mm Hard Full</td>
<td>26H – F</td>
</tr>
<tr>
<td></td>
<td>#4</td>
<td>26mm Hard Full</td>
<td>26mm Hard Full</td>
<td>26H – F</td>
</tr>
<tr>
<td></td>
<td>#5</td>
<td>26mm Hard Full</td>
<td>26mm Hard Full</td>
<td>26H – F</td>
</tr>
<tr>
<td>14 Meter 45’er</td>
<td>#1</td>
<td>30mm XHard Full</td>
<td>30mm XHard Full</td>
<td>30XH – F</td>
</tr>
<tr>
<td></td>
<td>#2</td>
<td>30mm XHard Full</td>
<td>30mm XHard Full</td>
<td>30XH – F</td>
</tr>
<tr>
<td></td>
<td>#3</td>
<td>30mm XHard Full</td>
<td>30mm XHard Full</td>
<td>30XH – F</td>
</tr>
<tr>
<td></td>
<td>#4</td>
<td>30mm XHard Full</td>
<td>30mm XHard Full</td>
<td>30XH – F</td>
</tr>
<tr>
<td></td>
<td>#5</td>
<td>30mm XHard Full</td>
<td>30mm XHard Full</td>
<td>30XH – F</td>
</tr>
<tr>
<td>15 Meter 50’er</td>
<td>#1</td>
<td>40mm XHard Full</td>
<td>40mm XHard Full</td>
<td>40XH – F</td>
</tr>
<tr>
<td></td>
<td>#2</td>
<td>40mm XHard Full</td>
<td>40mm XHard Full</td>
<td>40XH – F</td>
</tr>
<tr>
<td></td>
<td>#3</td>
<td>40mm XHard Full</td>
<td>40mm XHard Full</td>
<td>40XH – F</td>
</tr>
<tr>
<td></td>
<td>#4</td>
<td>40mm XHard Full</td>
<td>40mm XHard Full</td>
<td>40XH – F</td>
</tr>
<tr>
<td></td>
<td>#5</td>
<td>40mm XHard Full</td>
<td>40mm XHard Full</td>
<td>40XH – F</td>
</tr>
</tbody>
</table>

Order Options:
You Specify: Send us Batten Lengths/Batten Widths/Stiffness (Med, Hard, etc.)
... or ...
We Specify: Send us Batten Lengths/Boat Class (can also add Sail Area)
then mail to: info@fiberfoam.net

Yachts-Fullbatten cross section:

<table>
<thead>
<tr>
<th>Front</th>
<th>M 1:1</th>
<th>1 in mm</th>
<th>15</th>
<th>18</th>
<th>22</th>
<th>26</th>
<th>30</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Back</td>
<td>M 1:1</td>
<td>1 in mm at 2m length</td>
<td>15</td>
<td>18</td>
<td>22</td>
<td>26</td>
<td>30</td>
<td>40</td>
</tr>
</tbody>
</table>
BIG-BOAT Battens

TAPERED Composite Leech & Fullbattens

- Ultra stiff flat battens suitable for large ocean-going Mono and Multihull sailing craft
- Flat battens give less Sidestay wear than round or box profiled battens
- Lower profile so easier to roller-reef and less space in In-Boom systems
- Outer skins of double thickness Carbon/E Glass Hybrid laminates
- For Leech Battens we recommend our FLEX TIP

Sail Area

<table>
<thead>
<tr>
<th>m²</th>
<th>to 60 m²</th>
<th>60 m² – 90 m²</th>
<th>90 m² – 120 m²</th>
<th>+ 120 m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batten Widths (mm)</td>
<td>18</td>
<td>22 / 26</td>
<td>30 / 40</td>
<td>50 / 60 / 80</td>
</tr>
</tbody>
</table>

Some Examples

- RC 40
- 40´ers
- Extreme 40
- Swan 45
- 50´ers
- TP 52
- 60´ Maxis
- 140´er Jib
- FY 61
- 70´ Maxis
- 80´ Maxis
- J Class

Narrower Widths = Lighter / Lower Cost
Wider Widths = Heavier / Higher Cost / More Durable

Order Options:

You Specify: Send us Batten Lengths/Batten Widths/Stiffness (Med, Hard, etc.)
... or ...
We Specify: Send us Batten Lengths/Boat Class (can also add Sail Area)

then mail to: info@fiberfoam.net

www.fiberfoam.net | E-Mail: info@fiberfoam.net
Our very latest profile. With the emphasis on weight savings, FIBERFOAM Composite Dinghy Battens are designed for the competitive racer.

- Light – up to 70% lighter than Glass battens
- Fast Aerodynamic shapes – proven & tested in High Performance classes
- Made to exacting compression tolerances – you get what you need – the right curve and the right stiffness

Dinghys & Skiffs Batten cross section:

Front | M 1:1 1 in mm

Back | M 1:1 1 in mm at 2m length

10 | 12 | 15 | 18

FIBERFOAM
Composite
Sailbattens

<table>
<thead>
<tr>
<th>Batten width</th>
<th>8' 2.4 m</th>
<th>10' 3 m</th>
<th>12' 3.6 m</th>
<th>14' 4.3 m</th>
<th>16' 4.9 m</th>
<th>18'–20' 5.5–6 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 mm</td>
<td>Medium</td>
<td>Medium</td>
<td>Hard</td>
<td>Medium</td>
<td>Hard</td>
<td>Medium Hard</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>X-Hard</td>
<td>Hard</td>
<td>X-Hard</td>
<td>X-Hard</td>
</tr>
<tr>
<td>12 mm</td>
<td>Medium</td>
<td>Medium</td>
<td>Hard</td>
<td>Medium</td>
<td>Hard</td>
<td>Medium Hard</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>X-Hard</td>
<td>Hard</td>
<td>X-Hard</td>
<td>X-Hard</td>
</tr>
<tr>
<td>15 mm</td>
<td>Medium</td>
<td>Medium</td>
<td>Hard</td>
<td>Medium</td>
<td>Hard</td>
<td>Medium Hard</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>X-Hard</td>
<td>Hard</td>
<td>X-Hard</td>
<td>X-Hard</td>
</tr>
<tr>
<td>18 mm</td>
<td>Medium</td>
<td>Medium</td>
<td>Hard</td>
<td>Medium</td>
<td>Hard</td>
<td>Medium Hard</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>X-Hard</td>
<td>Hard</td>
<td>X-Hard</td>
<td>X-Hard</td>
</tr>
</tbody>
</table>

Examples

- Oph. Sabot
- Zoom 8
- Europe Open BIC
- RS Tera
- 12'er
- Flying 11
- Byte
- FJ
- RS Feva
- 14' er
- 29' er
- 420
- 8-14
- Finn
- 1-14
- Laser
- Musto PS
- OK
- 16' er
- 49' er
- 470
- 505
- Contender
- Fireball
- Laser II
- Snipe
- 18' er
- DN Iceboat
- FD

Narrower Widths = Lighter / Lower Cost
Wider Widths = Heavier / Higher Cost / More Durable

Order Options:

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... or ...
We Specify: Send us Batten Lengths/Boat Class (can also add Sail Area)
then mail to: info@fiberfoam.net

148 mph
Our famous FIBERFOAM Catbattens are now better than ever. The new profile gives maximum draft at approximately 42% and an excellent ratio of tip bend to leech stiffness that results in a more efficient rig. Now used in all types of Fullbatten mainsails ranging from Cruising to Racing Cats. Why loose out on speed? With FIBERFOAM Catbattens, you could find that elusive winning edge. Also good news for the cruising sailor and Charter fleets. The lighter weight means less wear-and-tear, plus are easier to handle – an important consideration if sailing short handed!

FIBERFOAM Fullbattens are up to half the weight of standard glass battens for the same stiffness.

<table>
<thead>
<tr>
<th>Batten width</th>
<th>12’– 14’</th>
<th>16’</th>
<th>18’– 22’</th>
<th>23’– 30’</th>
<th>31’– 36’</th>
<th>37’– 45’</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 mm</td>
<td>Hard</td>
<td>Carbon</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 mm</td>
<td>Medium</td>
<td>Hard</td>
<td>Carbon</td>
<td>Hard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 mm</td>
<td>Medium</td>
<td>Hard</td>
<td>Medium</td>
<td>Hard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 mm</td>
<td>Medium</td>
<td>Hard</td>
<td>Medium</td>
<td>Carbon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22 mm</td>
<td>Carbon</td>
<td>Carbon</td>
<td>Double Carbon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26 mm</td>
<td>X-Hard</td>
<td>Carbon</td>
<td></td>
<td>Double Carbon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30 mm</td>
<td>Hard</td>
<td>X-Hard</td>
<td>Carbon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40 mm</td>
<td>Hard</td>
<td>X-Hard</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Some Examples:
- Hobie 14
- F-16
- Hobie 16
- Dragonflys Racers
- Farriers Racers
- Extreme 40 Cruisers
- A Cat F 18 Tornado

Narrower Widths = Lighter / Lower Cost (except Carbon)
Wider Widths = Heavier / Higher Cost / More Durable

Order Options:

You Specify: Send us Batten Lengths/Batten Widths/Stiffness (Med, Hard, etc.)
... or ...
We Specify: Send us Batten Lengths/Boat Class (can also add Sail Area)
then mail to: info@fiberfoam.net

Catamaran Batten cross section:
Front: M 1:1 in mm
10 12 15 18 22 26 30
40

Back: M 1:1 in mm at 2m length
10 12 15 18 22 26 30
40
CLASS Sets – ready to go

FIBERFOAM are the leaders in factory finished sets custom made to suit your boat. We have an extensive data base with specifications for most classes and boats. You get the fastest shapes and the right stiffnesses – every time.

Ask us at info@fiberfoam.net for a Free Quote.

FIBERFOAM Composite Sailbattens

TECHNICAL TIPS

Tapered or Untapered?
The whole aim of the sailmaker’s art is to develop lift to drive the boat through the water. The sail is like an aircraft’s wing and is designed to develop as much lift with as little drag as possible. And how many wings have you seen with a 50% wing shape? Modern sails are designed and made with their position of maximum camber at between 38% and 45%.

So why use Untapered battens?
Except for special cases like top battens on some cats and dinghies, there is no good reason! Untapered Fullbattens distort sail shape by giving too fine entry, moving the draft or designed shape too far aft, and giving a rounded leech in strong wind. They give high lift (in the sideways direction) and high drag. If your rig is not accelerating in gusts but just developing heeling moment then your battens could be the problem. Untapered battens also lower the life span of your sail by working against the sailmakers design. Low cost, low quality Untapered battens cost you more in the long run!

Stiffness
A battens ‘Stiffness’ or ‘Compression’ is simply the force, in kg or pounds, that is required to bend it to a certain point. That certain point is where any increased bending of the batten gives very little change to the kg or pound reading of the scale. At FIBERFOAM we have up-to-date compressions for many classes and boats.

Not sure which Battens?
If you are in doubt about which battens are best for your sail, ask us about our specific class recommendations, or send us a sailplan plus batten lengths.

Custom made Battens?
When you need something special, send us: Batten lengths, compression (in kg or pounds), width, and the desired position of maximum camber. With this information we can manufacture almost any batten you could desire.

Contact info@fiberfoam.net for a Quote.
Contact:

FIBERFOAM Austria
Bundesstraße 106  |  A-5721 Piesendorf
Phone / Fax: +43 (0)6549 20159
info@fiberfoam.net  |  www.fiberfoam.net