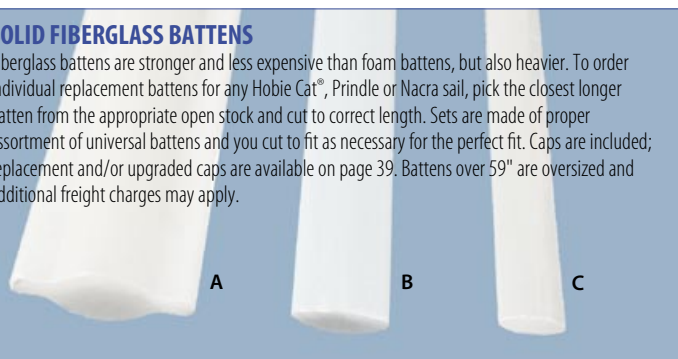


CATAMARAN BATTENS

SOLID FIBERGLASS BATTENS

Fiberglass battens are stronger and less expensive than foam battens, but also heavier. To order individual replacement battens for any Hobie Cat®, Prindle or Nacra sail, pick the closest longer batten from the appropriate open stock and cut to correct length. Sets are made of proper assortment of universal battens and you cut to fit as necessary for the perfect fit. Caps are included; replacement and/or upgraded caps are available on page 39. Battens over 59" are oversized and additional freight charges may apply.



A. FIBERGLASS MAIN BATTEN SETS FOR HOBIES®

- 46-3011 H-14 6-Batten Main Set \$225.00
- 46-3020 H-16 Main Set \$225.00
- 46-3050 H-18 Main Set \$299.00
- 50-38016001 Wave Set \$115.00

B. FIBERGLASS JIB BATTENS FOR HOBIES®

- 46-3030 H-16 Jib Set \$85.00
- 46-3030-3 H-16 Jib 45" (3rd from bottom; cut from each end to 30" for top batten) \$15.00
- 46-3030-1 H-16 Jib 68" (bottom; cut from each end to 57" for 2nd from bottom) \$19.00

NACRA/PRINDLE/SOL CAT FIBERGLASS BATTENS

Since fiberglass battens specifically for Nacra, Prindle and Sol Cats are not available, measure for needed battens and purchase battens for Hobies® or choose epoxy battens.

C. H-16 SUPER FLEX FIBERGLASS JIB BATTEN SET

If you're having trouble with the jib hanging up when tacking your Hobie® 16, these light and limber fiberglass battens are for you. Hang-ups are virtually eliminated! Superior jib shape is attained in light air when you need it most. Increases drive compared to the stock jib battens. Not class legal for racing. Set of 4 has vinyl ends. 07-0122 \$33.60

UNIVERSAL FIBERGLASS BATTENS

ASK ABOUT OVERSIZED SHIPPING RATES

A. 1" WIDE

- 46-3020-1 107-7/8" to 87-5/16" \$43.00
- 46-3020-5 82-3/8" to 72-1/16" \$32.00
- 46-3020-7 90-1/8" to 46-1/8" \$41.00
- 46-3020-8 42-11/16" to 39-1/16" \$22.00
- 46-3020-6 67-7/8" to 100-9/16" \$42.00

B. 5/8" WIDE

- 46-3030-1 69" to 51-3/4" \$19.00
- 46-3030-3 45-3/4" to 24-1/8" \$15.00

RACE BATTENS FOR NACRA, PRINDLE, H-20, INTER, TORNADO PERFORMANCE CATBATTENS—FOAM BATTENS FROM AUSTRIA

State of the art batten technology. Constructed with uni- and bi-directional fibers in an epoxy resin and molded with extra-high density foam. Catbatten foam battens are as strong and light as possible! Catbattens have a one-year manufacturer's guarantee against breakage.

Battens help to stabilize draft position and depth through varying wind conditions. Battens should be lightweight, yet stiff enough to prevent "S" hooking at the leech and to maintain sail shape in gusts. Catbattens are standard equipment when supplied with Hobie 17/20, Nacra, Prindle and Inter Race Sails in the USA and Europe. The manufacturers work closely with sailmakers to optimize batten and sail compatibility.

Open stock battens are 0.50" wide (7mm) and have a standardized bend curve and stiffness. To decrease stiffness, remove material from the edges (width) of the batten. When ordering battens, measure the batten pocket and add 2" for batten adjustment.

Battens are supplied with one adjustment hole and do not require batten caps. For easy adjustment and release using batten ties, Perfect Pocket Batten Caps (#12-4080 for set of 10) may be installed with epoxy glue, as the Tren Tec cap is a bit too large. For a better fit and/or for use with sails utilizing .50"-.75" wide webbing instead of batten ties, order RBS caps, #46-0007. The RBS cap fits 12x7mm, but battens are about 13x7mm. To install, sand width of batten to fit.

Reinforced luff tip strengthens and helps prevent breakage. Cut as needed from the leech end to preserve reinforced tip. Each. Sizes and specifications are subject to change

- | | | | | | |
|------------|-------|---------|-------------|------|---------|
| 46-5000-50 | 50" | \$30.00 | 46-5000-101 | 101" | \$55.00 |
| 46-5000-75 | 74.5" | \$40.00 | 46-5000-107 | 108" | \$60.00 |
| 46-5000-95 | 94.5" | \$50.00 | | | |



RECREATIONAL, NON-RACE BATTENS FOR NACRA, PRINDLE, SOL EPOXY LITE BATTENS

By RBS of Hood River, Oregon. Solid epoxy battens are almost everything that we could ask for in catamaran battens—they are durable, relatively economical, appropriately stiff and tunable, and made in the USA. They are heavier than foam, but are surprisingly lightweight for solid epoxy. The weight of a complete set of 9-10 epoxy battens will be only 1-2 lbs. more than the weight of a set

of foam battens for the same sail. The battens are tapered to achieve a maximum draft at 25% aft of the luff at the head of the sail, progressing to a draft at 45-50% aft of the luff at the foot. Each batten is 0.60" wide and ranges from 0.20"-0.23" thick before tapering. For leech batten caps, we suggest Tren Tec Leech Caps (#12-4080 for a set of 10) for batten tie adjustment or RBS Caps (#46-0005 each) for sails with webbing instead of batten tie. Note: It may be necessary to install Tren Tec Caps with glue after cutting batten to proper length.

- | | | | | | |
|------------|-----------------|---------|-------------|------------------|---------|
| 46-4500-36 | .60 x .20 x 36" | \$18.00 | 46-4500-84 | .60 x .23 x 84" | \$36.00 |
| 46-4500-54 | .60 x .20 x 54" | \$24.00 | 46-4500-96 | .60 x .23 x 96" | \$40.00 |
| 46-4500-66 | .60 x .20 x 66" | \$28.00 | 46-4500-108 | .60 x .23 x 108" | \$48.00 |



INDIVIDUAL FIBERGLASS MAIN BATTENS FOR HOBIES®							
Battens are numbered starting with #1 at the bottom and counting up. You must trim the battens to the exact needed length. Measurements shown are guidelines only, so be sure to measure your sail's batten pockets before cutting! See Batten Tuning Tips on this page for additional measuring information.							
ITEM #	46-3020-1	46-3020-5	46-3020-7	46-3020-8	46-3020-6	46-3030-1	46-3030-3
PRICE	\$43.00	\$32.00	\$41.00	\$22.00	\$42.00	\$19.00	\$15.00
Uncut Length	107-7/8" Untapered	82-3/8" Untapered	90-1/8" 40" Taper	42-11/16" 27" Taper	100-9/16" 27" Taper	69" Jib	45-3/4" Jib
Minimum Cut Length	Min. 87-5/16"	Min. 72-1/8"	Min. 46-1/8"	Min. 39-1/16"	Min. 67-7/8"	Min. 51-3/4"	Min. 24-1/8"
BOAT							
Batten Number & Cut Length Guidelines (Measure batten pocket before cutting!)							
Wave		1 82-3/8" 2 77-7/8" 3 66-7/8"				4 50"	5 36"
H-14	1 97-7/16" 2 93-5/16"		3 84-13/16" 4 74-1/16" 5 60-7/16"	6 42-11/16"			
Getaway	1 92" 2 90-3/4"		3 88-3/4" 4 84-1/4" 5 77-3/4" 6 69" 7 55"				8 34-1/2"
H-16 Main	1 107-7/8" 2 103-7/8" 3 97-3/8" 4 90-3/4"	5 82-3/8" 6 72-1/8"	7 59-1/8"	8 41"			
H-16 Jib						1 68-7/8" 2 57-7/8"	3 45-3/4" 4 30"
H-17 / H-17 Sport			3 varies 4 varies		1 varies 2 varies	5 varies	6 varies
H-18	1 101-5/16" 2 101-5/16" 3 97-5/16" 4 93-7/8" 5 87-5/16"		6 79-5/16" 7 68-13/16" 8 56-5/16"	9 39-1/16"			10 24-1/8"
H-18SX	1 102-11/16" 2 104-11/16" 3 103-3/4"		8 46-1/8"		4 100-9/16" 5 93-7/8" 6 83-5/16" 7 67-7/8"		9 28-1/2"
H-21SE	1 N/A 2 N/A 3 N/A		4 N/A 5 N/A 6 N/A				7 N/A

BATTEN TUNING TIPS

MATERIAL

Battens can be mixed and matched to obtain optimum sail shape.

LENGTH

When measuring sail for battens, add approximately 2" to length of batten pocket to allow for compression and batten ties. Only about 1" is needed if using #12-4080 batten caps. Cut foam battens from the leech end to preserve the solid luff tip reinforcement.

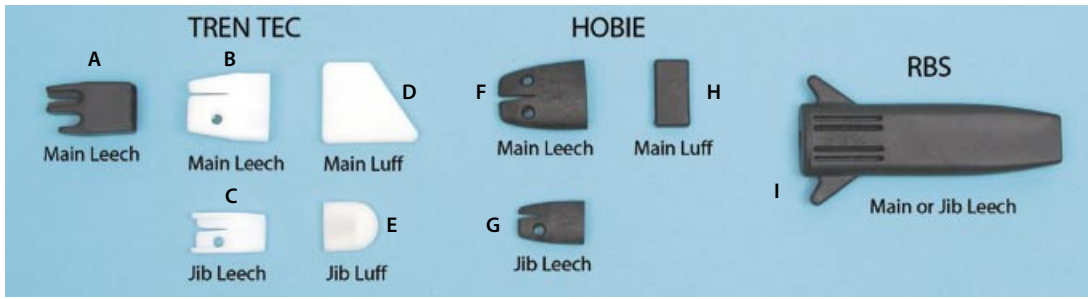
STIFFNESS

Solid Glass: Reduce thickness to increase flexibility as needed. Use a belt sander (with vacuum dust control) and grind battens evenly from both sides.

Foam Sandwich: Reduce width to increase flexibility as needed.

BATTEN CAPS & SAIL ACCESSORIES

Last update Dec. 2009: Click here to go to the Murrays Online Store for current information



A-B. TREN TEC LEECH CAPS FOR FOAM BATTENS

Glue this end cap onto any solid epoxy or foam batten. Batten may need to be modified slightly to ensure a good fit. Measure your batten and select Perfect Pocket™ cap size accordingly.

- A. 12-4080 Universal 3/4" Main 10/set (H-20/P-19/Tiger/Inter/most Nacras) \$19.00
 A. 12-4080-1 Universal 3/4" Each \$2.25
 B. 12-8003 Universal 1" Main 10/set \$19.00
 B. 12-8003-1 Universal 1" Main Each \$2.25

B-C. TREN TEC LEECH CAPS FOR FIBERGLASS BATTENS

No more knots at the trailing edge. Adjust sail shape in seconds without tying and untying knots. Release tension to prolong sail shape and life. Perfect Pocket™ sets include pre-cut line.

- B. 12-2003 H-14/17 Main 6/set \$12.75
 B. 12-3003 H-16 Main 8/set \$16.00
 B. 12-3003-1 H-16 Main Each \$2.25
 C. 12-3004 H-16 Jib 4/set \$8.00
 C. 12-3004-1 H-16 Jib Each \$2.25
 B. 12-4003 H-18 Main 10/set \$19.00
 B. 12-3003-1 Main for Hobbies® Each (all except H-20) \$2.25
 B. 12-6003 P-16 Main/Sol 9/set \$18.00
 B. 12-7003 P-18 Main 10/set \$19.00

TIP

Use Liquid Rope Whipping instead of a luff batten cap. Just dip the end of the batten to form a permanent, clear, flexible vinyl coating. 4 fl. oz.

40-8490 \$12.95



BATTEN HINGE SET

Solution to jib hangup when tacking the Hobie® 16. Easy to install, these hinges allow the jib battens to pivot on contact with the mast and to snap back straight after the tack. Set of 4.

50-20392001 \$18.00

D-E. TREN TEC LUFF CAPS

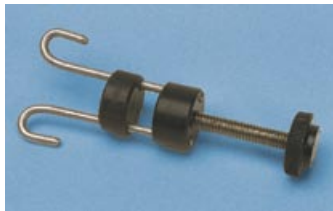
No more battens poking through next to the mast. Prevents batten splitting. Align batten to the angle of the sail. Glue to the forward end of the batten.

- D. 12-2006 H-14 Main 6/set \$10.00
 D. 12-3005 H-16 Main 8/set \$12.50
 E. 12-3006 H-16 Jib 4/set \$6.00
 D. 12-4005 H-18 Main 10/set \$13.00
 D. 12-6005 P-16 Main 9/set \$12.00

F-H. HOBIE® CAPS FOR FIBERGLASS BATTENS

Each. Order batten tie separately; 18" of line per batten cap is standard.

- F. 50-11323000 Hobie® Main Leech \$3.20
 G. 50-21333000 Hobie® Jib Leech \$2.40
 H. 50-11322011 Hobie® Main Luff \$1.10
 39-0221 Batten Tie—per foot \$.14



BATTEN TENSIONER

This great idea from Europe gives precision adjustment when tensioning battens. The screw thread adjuster allows as fine an adjustment as you want. It clips to the sail at the batten tie strip grommets and pushes against the end of the batten. No batten cap is required.

07-1528 \$10.50



ANTI-CHAFE TAPE

Apply to batten pockets to prevent sail abrasion from shroud wire. Transparent. It works! 1" x 12."

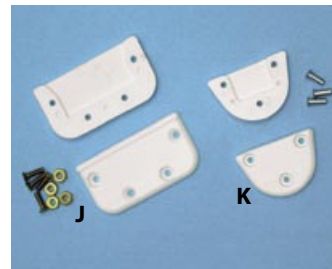
- 07-1500 H-14/17 3 pr \$13.00
 07-1490 H-16, 20/P/Sol 5 pr \$21.50
 07-1510 H-18/N/P 7 pr \$30.00

I. RBS BATTEN TENSIONERS

This "clean" tensioner is inside the batten pocket, so it reduces the chance of snagging the spinnaker. Batten shipping charges may be reduced because these tensioners require shorter battens (at least 4" or more). #46-0010 weighs only .5 oz.; #46-0015 is 1 oz.; #46-0019 is 1-1/2 oz. Each.

- 46-0010 10 x 5mm—H-16 Jib Batten \$9.00
 46-0015 15 x 7.6mm—Epoxy Lite or Hobie Main*Batten \$9.00
 46-0017 19 x 6.7mm—Epoxy Batten \$9.50
 46-0019 19 x 8.9mm—Foam or Hobie Main*Batten \$10.00

*Batten modification necessary to fit in tensioner



J-K. POCKET PROTECTOR

Tough nylon. Kits have one pair protectors with indentations for included brass nuts and screws. Fit main battens up to 2" wide.

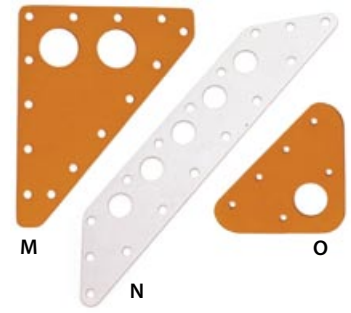
- J. 01-1001 Main \$8.00
 K. 01-1002 Jib \$4.00
 19-2010 Brass Hex Nut \$1.15
 19-1510 Brass Screw \$.14



L. SPREADER COVERS

These vinyl spreader bar end covers are real sail-savers! The black, smooth, resilient covers protect the jib luff from wear and tear from cotter keys and sharp edges.

- L. 07-3262 Hobie—Pair \$9.95
 56-9862 Nacra/Prindle—Each \$6.00



M-O. MAIN HEADBOARD & TACK/CLEW KITS

Kits include one pair of anodized aluminum plates with rivets. Replacement rivets are available separately and can be set with a hammer. Use #19-5006 rivets for 01-1014 or 01-1012 kits; use #19-5005 rivets for 01-1016 kit.

- M. 01-1014 Headboard Kit \$18.50
 N. 01-1012 5-Hole Clew Kit (H-16 Jib) \$24.00
 O. 01-1016 Tack/Clew Kit \$15.00
 19-5005 Rivet A 4-6 \$.12
 19-5006 Rivet A 6-6 \$.18

H-16/SOL CAT JIB SAIL HANK

Replacement part.
 50-22090001 \$3.00



SAIL FEEDER

Helps the sail feed evenly into the mast track without catching and/or tearing the sail. Best for Hobbies®.

50-80100501 \$16.00



LEECH LINE CLEAT

Jib halyard tensioning cleat for zippered luff jibs.
 27-0212 \$9.00

RELATED ITEMS

Batten Tie	pg 15
Rigging Tape	53
Sail Maintenance	17
Tell-Tales & Wind Vanes	19