



## 2007 CATALOG

800-786-7245  
[www.murrays.com](http://www.murrays.com)

Accessories for  
Beach Catamarans  
Windsurfing  
Kiteboarding  
Cross-Sport

*All prices and  
specifications  
are subject to change*

*All prices and specifications are subject to change without notice*



Dear Friends,

Ready to hit the water? You probably already know that you could be more efficient, warmer and safer if you upgraded some of your equipment, apparel, and even your skills. We are here to serve you with the latest and greatest products, accessories and advice available.

While the catalog focuses on beach catamaran, kiteboarding and wind surfing accessories, many of the products have cross-sport applications that may interest you or your friends. Please take some time and browse our entire catalog and you just might find a must-have item in an unexplored section.

We understand that you can shop elsewhere for your sporting needs and that is why all of us at Murrays give our best effort to make sure you are completely satisfied with our products and services. You can rely on Murrays to provide the parts and accessories, service, and information you need. We promise to deliver expertise and value that cannot be found elsewhere.

We appreciate your feedback and encourage you to drop us a line or an e-mail with your comments and photos. We enjoy meeting our customers in person, so be sure to drop by if you're in the area!

Stephen, Douglas & Drayton  
Murray & Crew



Many Thanks to Our Contributing Photographers & Riders  
Cover Action Photos...

Catamaran Photo: Courtesy of Tucson Hobie Fleet 514  
Windsurfing Photo: Glenn Dubock Rider: Billy Wilson  
Kiteboarding Photo: Jason Wolcott Rider: Chris Gutzeit  
Terrasports Photo: Courtesy of Terrasports

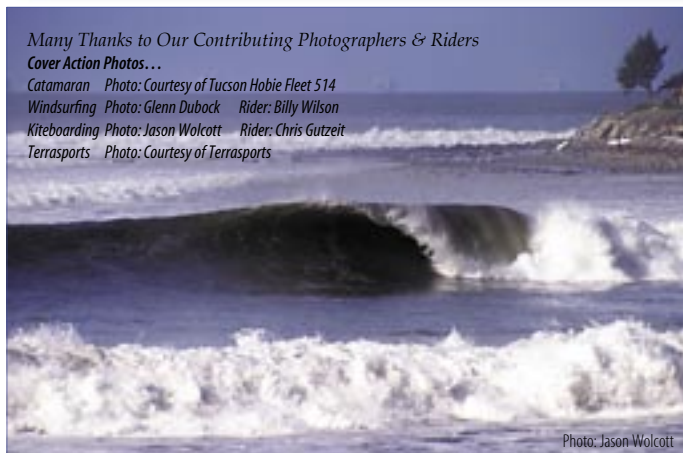


Photo: Jason Wolcott



With the introduction in 1969 of a better traveler car for the Hobie® 14, Murrays began its evolution into the one-stop, watersport mail order business that it is today. We are located in beautiful Carpinteria, California, a beach town midway between Ventura and Santa Barbara.

We stock almost all of what we sell, housing it in our 8,000 square foot warehouse.



With our temperate climate and the ocean nearby, we are fortunate to have a year-round playground where we can test the products we sell.



## OUR MISSION

Murrays is dedicated to the enhancement of watersports lifestyles by providing a single source of quality, proven and innovative parts and accessories, and by taking a personal interest in serving our customers, sharing knowledge and experiences that contribute to safe, enjoyable fun.

## MURRAY'S POLICIES

**PRICES:** In order to make the catalog easier to use, we have included prices in the body of the catalog. These prices are subject to change and do not include delivery. For latest information, call or check our website. For online orders, prices charged will be those in effect at our web store when your order is placed.

**TO PLACE AN ORDER:** Order online at [www.murrays.com](http://www.murrays.com) or by fax or telephone, which are toll-free in the USA and Canada. We are here to answer your calls from 8:00am to 5:00pm Pacific time, Monday through Friday.

**SHIPPING & HANDLING:** The charge for ground delivery in the USA of "standard size" packages is 5% of the amount of the order (\$8.50 minimum). Oversized items may incur an additional charge. Freight on foreign orders is calculated differently and is based on the shipping method.

**PAYMENT:** Credit cards are most commonly used, but other options include check, money order or bank wire transfer. It is best to request a price quote prior to utilizing non-card methods to avoid over or under payments.

**BACKORDERS:** Items that are temporarily out of stock will be backordered unless otherwise directed. Your card will be charged at time of shipment and the delivery will usually be free of additional delivery charges.

**RETURNS:** Please contact Murrays for authorization prior to returning items. We appreciate items returned in complete, new condition. A restocking charge may apply in some instances.



## Check out these products...

**Gul Breathable Dry Suits**  
See page 8

**Catamaran Sailing Double DVD**  
See page 43

**Murrays Race & Freedom Harnesses**  
See pages 44-45

**Key-Hole Trapeze Systems**  
See page 46

**Mid-Pole Snuffer**  
See page 41

**NoLimitz Masts**  
See page 67

**Streamlined Booms**  
See page 67

**Da Kine Footstraps & Heelstraps**  
See page 76 & 77

**Da Kine Nitrous Shorts**  
See pages 61 & 70

More new items are being added all the time at [www.murrays.com](http://www.murrays.com)



## CROSS-SPORT ACCESSORIES..... 1-18

Gath® Headgear.....	2-3
Instruments .....	4
Aquapacs® .....	4-5
Barz® Optics.....	6-7
Wetsuit & Drysuit Care .....	7
Sailing Suits .....	8-9
Dryshirts, Rash Guards & Wetsuits .....	10-11
Boots, Knee Pads & Hoods .....	12
Gloves .....	13
Fasteners .....	14
Rope .....	15
Maintenance .....	16-17
Life Vests / Safety .....	18

## CATAMARAN ACCESSORIES ..... 19-59

Wind Indicators / Regatta / Safety .....	19
Mainsheet Systems / Mainsheet Blocks & Accessories .....	20-21
Main Travelers / H-16 Jib Traveler Controls .....	22
Jib Sheeting Components / Jib Halyards & Kits .....	23
Ratchet Blocks .....	24
Blocks.....	25
Downhails.....	26
Mast Rotation / Spare & Replacement Parts.....	27
Swivel Cleats & Bases / Fairleads & Sheaves .....	28
Cleats .....	29
Convenience Items.....	30
Ball-Lok® Pins & Shackles / Clevis Pins & Retainers .....	31
Rudder Pins & Kits / Rudders & Daggerboards .....	32-33
Trampolines & Accessories .....	34
Tramp Accessories & Non-Skid / Hiking Sticks .....	35
Righting / Righting Systems.....	36-37
Catamaran Battens .....	38
Batten Caps & Sail Accessories .....	39
Sails.....	40
Roller Furling Hardware / Spinnaker Hardware .....	41
Ports & Accessories .....	42
Cat & Dinghy Videos & Books .....	43
Murrays Catamaran Harnesses.....	44-45
Cat Spreaders & Hooks.....	46
Gul Catamaran & Dinghy Harnesses .....	47
Trapeze Rings, Handles & Accessories.....	48
Trapeze Adjustment Kits .....	49
Standing Rigging.....	50-51
Trapeze Assemblies / Other Rigging.....	52
Rigging Hardware & Accessories.....	53
Mast Supports & Steppers / Motor Brackets.....	54
Hull Cradles & Tie-Downs .....	55
Trailer Boxes .....	56
Beach Transport.....	57
Boat Covers / Other Covers .....	58-59

## WINDSURFING ACCESSORIES..... 60-69

Windsurfing Videos & Books .....	60
Windsurfing Harnesses & Spreader Bars.....	60-61
Harness Lines / Footstraps .....	62
Traction / Mast, Uni & Boom Pads .....	63
Windsurf Bags.....	64
Transport & Storage .....	65
Streamlined Universals & Extensions.....	66
Streamlined Booms & Accessories / NoLimitz Masts .....	67
Universals / Outhauls & Boom Accessories / Uphauls .....	68
Downhails & Tools / Fin Accessories.....	69

## KITES & ACCESSORIES..... 70-79

Kite Boarding Harnesses, Spreaders & Pads .....	70-71
Kite Bars, Harness Lines & Sheeting Systems .....	72
Kite Sheeting Accessories .....	73
Trainer Kites & Repair / Bladders & Pumps.....	74
Kite Lines .....	75
Kite Footstraps & Pads .....	76
Kite Heelstraps, Handles & Fins / Leashes & Impact Vests.....	77
Kite Equipment Bags / Kite Videos.....	78
Kite Books & Videos .....	79

## INDEX..... 80-81

# GATH® HEADGEAR



## GATH HEADGEAR FOR AIR, SNOW & WATER

Since 1989, thousands of users, including professional and recreational surfers, whitewater paddlers, kiteboarders, skydivers and rescue service personnel, have benefited from Australian Ric Gath's lightweight, close-fitting headgear.



Photo: Jason Wolcott

### WHAT BENEFITS CAN YOU EXPECT IF YOU CONSISTENTLY WEAR GATH WATER SPORTS HEADGEAR?

- Protect covered areas from boards and fins (yours or others).
- Protect your head and ears from rock or reef rash.
- Protect your inner ears from rupture by sudden pressure.
- Protect your inner ears from "surfers ear" or "swimmers ear."  
1) Bone growth closes ear canal; 2) Inner ear infection.
- Maintain core temperature with less wetsuit. (Save 20% heat loss vs. uncovered head.)
- Help protect skin and eyes from sunburn and skin cancer. (Skin cancer maims more of us than "the reef.")



Photo: Gary Burka

## GATH® CONVERTIBLES

The Gath Surf Convertible and Gath Gedi represent Ric Gath's response to 10 years of experience and customer feedback. Check out the following improvements:

- **More comfort:** Flexible ear protectors adapt to your face size and shape automatically.
- **Versatility of function:** Ear protectors are removable! Optional coverage accommodates temperature or user preference.
- **More ear protection:** Improved coverage and fit. Better hearing: New Gaths are quiet. Wind noise is greatly reduced.
- **Forehead Protection:** The Surf Convertible features foam "mini peak" forehead coverage that adds some additional protection.
- **Forehead Protection:** The Gedi Convertible helmet covers and protects the forehead at the same level of impact protection as the rest of the helmet.
- **Eye and Facial Protection:** Optional visor will add protection from sun and spray and may offer some additional protection from abrasion and/or impact. Call or check website for additional information.
- **Communication & entertainment compatibility:** New Gath ear protectors will accommodate existing and forthcoming waterproof speakers and microphones for use with one or two-way radios and waterproof MP-3 players. Call or check website for additional information.
- **A skate-style appearance:** Provides more coverage, a solid retention system and long-lasting saltwater safe materials and fasteners.

### Replacement Parts

Additional comfort strips are available to help achieve a fit that offers maximum comfort and stability for smaller and in-between head sizes. Audio vent parts and ear protectors are also available.

## GATH® SURF CONVERTIBLE

### GATH® SURF CONVERTIBLE

The Surf Convertible's light weight, comfort and convertibility make it the best choice for surfers.

\$99.00 *Please add size code from chart*

- 52-140\_ *Matte White*
- 52-141\_ *Black Rubber*
- 52-142\_ *Iridescent Blue*
- 52-143\_ *Cherry Red*
- 52-144\_ *Platinum Silver*
- 52-146\_ *Yellow*
- 52-148\_ *Pink Suede*



Wear with  
or without  
ear protection



SIZE CHART FOR SURF CONVERTIBLE				
Size	Code	Head Measure	Head Measure	
S	1	21-1/4" - 21-3/4"	54 - 55.5 cm	
M	2	22" - 22-5/8"	56 - 57.5 cm	
L	3	22-7/8" - 23-1/4"	58 - 59 cm	
XL	4	23-1/2" - 24"	59.5 - 61 cm	



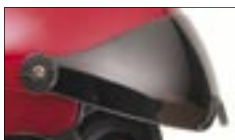
## GATH® GEDI CONVERTIBLE

### GATH® GEDI CONVERTIBLE

Purpose designed to meet the special requirements of extreme kayaking (white water and "creeking"), extreme kiteboarding, lifeguard and security personnel using PWC's, swift water rescue services and others. Design criteria: To provide the best coverage and the most impact protection while still maintaining the low-profile, hydrodynamic shape required for high speed water entry. We believe that the Gedi will set the standard by which all others will be compared. Call or check web site for additional information.

\$109.00 *Please add size code from chart.*

- 52-150\_ *White*
- 52-151\_ *Black*
- 52-152\_ *Blue*
- 52-153\_ *Red*
- 52-154\_ *Silver*
- 52-155\_ *Olive*
- 52-156\_ *Yellow*
- 52-159\_ *Gummetal Gray*



With optional visor

**Optional Visor** \$30.00

0=Clear, 9=Gray

- 52-04\_2 *Visor: Fits Small to Large Gedi*
- 52-04\_3 *Visor: Fits X-Large Gedi*



SIZE CHART FOR GEDI				
Size	Code	Head Measure	Head Measure	
S	1	21-1/4" - 21-3/4"	54 - 55.5 cm	
M	2	22" - 22-5/8"	56 - 57.5 cm	
L	3	22-7/8" - 23-1/4"	58 - 59 cm	
XL	4	23-1/2" - 24"	59.5 - 61 cm	

Size XXL available by special request.



### WHY SHOULD YOU CHOOSE GATH?

- **Small and round size and shape** to prevent "bucketing" or snagging. Big helmets with hard "lips" or "peaks" can scoop water or grab rocks or reef.
- **Maximum coverage**, including lower cranium and ears.
- **Face and eye protection** is a big bonus!
- **Light weight** (wet or dry) reduces neck strain.
- **Full peripheral vision** with no blind spots.
- **Helps prevent water from draining over your eyes** when emerging from water.
- **Secure fit**, including proper size and a buckle system that does not permit helmet to become dislodged or displaced. (If it comes off, it's no good!)
- **Appropriate materials and hardware** like closed cell foam (does not absorb water) and stainless steel (does not rust).

### WARRANTY

3-year warranty against defects in materials and workmanship.

*Warning: Wearing headgear offers some protection and may build confidence. However, it is no substitute for common sense and may not prevent serious injury or death. GATH Headgear is not recommended for use as a crash helmet on roads or highways. Gath recommends that the audio vents be closed during any watersports action and that they be opened only at times when water pressure induced ear injury is not a possibility and full audibility is desirable.*

### COMFORT STRIPS

Although two or more comfort strips are included with Gath Surf and Gedi Convertibles, additional soft foam peel-and-stick comfort strips can easily change the fit to offer maximum comfort and stability. Instructions included.

\$2.50

52-0504	4.5mm	52-0509	9mm
52-0506	6mm	52-0510	10.5mm
52-0507	7.5mm	52-0512	12mm



## GATH® SPORT HAT & OPTIONS



### GATH® SPORT HAT (NO VISOR)

This ultra-lightweight model for high energy performance situations is the primary choice for sky divers (head up) and many surfers.

**\$99.00** Please add size code from chart.

- 52-100\_ White
- 52-101\_ Black
- 52-102\_ Blue
- 52-103\_ Red
- 52-104\_ Silver
- 52-106\_ Yellow

#### Options

52-105\_ Water Ski Race Model— Safety Orange (as required) with Goggle Strap & Padded Forehead **\$120.00**

52-0070 Audio Altimeter Bracket & Cover (fits ProDytter) **\$21.95**

52-0008 Goggle Strap Retainer with Fasteners **\$5.95**

#### Additional Replacement Parts

Audio vent parts and chin straps are also available. Information is available at the Murrays website.

SIZE CHART FOR SPORT HAT			
Size	Code	Head Measure	Head Measure
XS	0	up to 21-1/4"	up to 54 cm
S	1	21-5/8" – 22"	55 – 56 cm
M	2	22-1/4" – 22-7/8"	56.5 – 57.5 cm
L	3	22-7/8" – 23-1/2"	58 – 59.5 cm
XL	4	23-1/2" – 23-5/8"	59.5 – 60 cm
XXL	5	23-5/8" and above	60 cm and above



Optional Audio Altimeter Bracket & Cover for Gath Hat & Retractable Visor Models



Photo: Jenning Steger/SLP



Photo: Glenn Duback



Photo: Core Wakeboards



Photo: Daniel McCain



Photo: Troy Maben, Cascade Kayak School



Photo: TyBoyz



Photo: John Healey



To adjust fit of Sport Hat or Retractable Visor model a bit smaller, add a piece of neoprene just inside the neoprene forehead band.

## FULL RETRACTABLE VISOR GATH® & OPTIONS

### GATH® WITH FULL VISOR

Used by whitewater, PWC riders, rescue services and sky divers (head down), this model features a fully retractable visor that protects eyes and face and blocks more than 98% of UV light.

**\$149.00** Please add size code from chart.

- 52-110\_ White
- 52-111\_ Black
- 52-112\_ Blue
- 52-113\_ Red
- 52-114\_ Silver
- 52-115\_ Orange
- 52-116\_ Yellow

SIZE CHART FOR RETRACTABLE VISOR			
Size	Code	Head Measure	Head Measure
XS*	0	up to 21-1/4"	up to 54 cm
S	1	21-3/8" – 21-7/8"	54 – 55.5 cm
M	2	22" – 22-1/2"	56 – 57 cm
L	3	22-5/8" – 23-1/4"	57.5 – 59 cm
XL	4	23-1/4" – 23-1/2"	59 – 59.5 cm
XXL	5	23-1/2" and above	59.5 cm and above



Wear the visor up, down or anywhere in between!



### FOGZERO

Fogzero's proprietary polymer blend provides a powerful and long-lasting antistatic and antifog for Gath visors, and it helps prevent droplets, too! Also great for goggles, binoculars, camera lenses, CDs and DVDs. Non-toxic. 1-oz. kit includes cloth.

- 52-5101 .25 oz. **\$4.95**
- 52-5102 1.0 oz Kit **\$19.95**



### REPLACEMENT VISORS FOR FULL RETRACTABLE VISOR GATH

With tool and instructions for installation.

- 52-0003-9 Replacement Visor S/M Gray **\$21.95**
- 52-0004-9 Replacement Visor L/XL Gray **\$21.95**

#### Optional Visor Colors for Full Visor Gath

- Colors: 0=Clear, 2=Blue, 3=Red, 6=Yellow
- 52-0003-\_\_ S/M Visor: Please specify color **\$21.95**
- 52-0004-\_\_ L/XL Visor: Please specify color **\$21.95**

#### Altimeter Bracket Option

- 52-0070 Audio Altimeter Bracket & Cover (fits ProDytter) – See photo above with Gath Hat options **\$21.95**

#### Additional Replacement Parts

Audio vent parts and chin straps are also available. Information is available at [www.murrays.com](http://www.murrays.com).



# INSTRUMENTS

## WINDMATE 200

The first windmeter with wind vane, digital wind direction, cross wind and head/tail wind readings! Reads current, average and maximum windspeed to within +/- 3%

in your choice of knots, mph, kph, m/sec, ft/min and Beaufort. It also measures temperature and windchill accurately to +/- 1.8°F. Digital wind direction is in degrees and compass points accurate to +/- 2°. A wind vane assures you are on the wind's axis. The jackknife case allows the most accurate measurements and meets U.S. military specifications, and it has a handy tripod fitting. The included lithium battery is replaceable. Two-year warranty.

49-0002 \$110.00

## WINDMATE 100

Instant readings at the press of a button. This Swiss-designed windmeter accurately (+/- 3%) reads current and maximum windspeed up to 94 mph in your choice of 5 units of measurement. It is water-resistant and the included long-life Lithium battery is replaceable.

The ultra-light case is compact with an easy-to-read LC display and simple one-button operation. The 3-3/4" x 1-3/4" x 1/2" unit weighs only 2 oz. Lanyard included. One year warranty.

49-0001 \$60.00

## AIRSPEED/WIND INDICATOR

The Airspeed Indicator/Windmeter was designed to fill the need for a simple, rugged and reliable airspeed indicator, hand-held windmeter, and anemometer. It is very accurate and individually

calibrated to read a range of 7 to 30 mph.

49-0005 \$25.00

## SUUNTO ORCA COMPASS

This compass with elastic bungee cord and clips mounts easily on catamarans or personal watercraft. Its durable, thermoplastic rubber housing will withstand severe weather and rough conditions. The shockproof compass features a luminous capsule and a tilting angle effective up to +/- 30°. Includes a handy mesh pouch for storage. 2-1/4" card.

49-2051 \$49.95

## VELOCITEK GPS SPEEDOMETER/VMG

The Velocitek SC-1 takes advantages of recent breakthroughs in GPS technology to give you the functionality of a complete instrument suite in a self-contained device that can be mounted anywhere on your boat. It installs in seconds and does not require any external wiring or through hull transducers. In addition to providing real-time speed, heading and VMG information, the SC-1 also stores and organizes speed, heading, position and time data for your most recent 40 hours of sailing. Key features include: speed, VMG and heading updated every half-second; start timer with audible alarm; calculates distance to start line; display any two measurements simultaneously; watertight to 25m (75ft); only brand of GPS that floats; maximum and Best 10 second average speed recall; adjustable damping; up to 25 hours of battery life; fast data downloading through a USB link; downloaded data is fully compatible with Kattack, GPS Action Replay and Google Earth; Internet upgradeable firmware allows you to benefit from ongoing product enhancements.

49-0051 \$399.00

## SPEEDWATCH BOAT SPEEDOMETER WITH COUNTDOWN

The Speedwatch wireless knotmeter is a breakthrough in features and ease of installation... no wires and no holes! Mount the impeller under the boat and place the transmitter inside the boat. Instant speed is transmitted to the display anywhere in the boat up to 13 feet away. Unlike GPS, which measures speed over land, the Speedwatch measures your actual speed and distance through water.

49-0025 \$250.00

## RONSTAN CLEARSTART™ SAILING WATCH

Ronstan's ClearStart™ watch was designed for sailors. It features multiple start time sequences and includes pre-programmed countdown sequences. A handy "SYNC" function allows resynchronization with starter's time, mid-sequence. The rotating face has an oversized digital read out for quick, easy reference. Large, positive function keys and prominent, isolated start/stop button are easy to use. The watch is water resistant to 164 feet (50m) and features optional audible alarms, 12/24 hour time, and multiple mounting options. One year warranty.

21-4030 \$119.95



A



B

## A-B. TIME & TIDE CLOCK

The Time & Tide Clock functions as a clock and an innovative and convenient guide to tides. Its classic 7.5" stainless steel fascia complements any decor. Synchronized by the moon, the tide clock's quartz movement rotates the dial twice each lunar day (12 hours and 25 minutes). Given the variable nature of tides, the tide clock is only intended as a guide. Choose the Tide Clock to track the tide without a clock. Batteries not included.

A. 49-4002 Time & Tide Clock \$69.95

B. 49-4001 Tide Clock \$44.95 CLOSEOUT

# AQUAPACS®

## KEYMASTER CASE

Specially designed to keep keys and car remote safe from water damage, this case is water-**WATERPROOF!** proof to over 150 ft. Small enough to be tucked inside your wetsuit. Includes detachable neck cord. Also ideal for keeping asthma inhalers safe. Opening circumference 6"

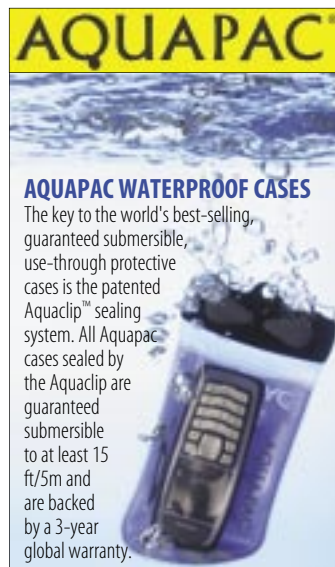
49-0190 3.5" high \$14.99

## ARMPAC **WATERPROOF!**

The perfect case to protect small essentials while keeping your hands free to enjoy your sport. For additional protection, the ArmPac is completely foam padded and will float if dropped in water. Guaranteed submersible to 150 ft/50m. Complete with a neoprene and Velcro™ strap that can be worn on the arm.

Opening circumference 6"

49-0196 6" long \$29.99



## AQUAPAC WATERPROOF CASES

The key to the world's best-selling, guaranteed submersible, use-through protective cases is the patented Aquaclip™ sealing system. All Aquapac cases sealed by the Aquaclip are guaranteed submersible to at least 15 ft/5m and are backed by a 3-year global warranty.

## SETI CASE **WATERPROOF!**

Completely foam padded, the Seti Case provides added protection for laptops or is great as a grab-bag. It is waterproof to 30 ft/10m and has a sturdy base so it can stand upright. Includes carry handle and fully adjustable and detachable shoulder strap.

Opening circumference 25.6"

49-0180 12.6" high \$59.99

## KAITUNA CASE

Protect your maps, whatever the weather! This quality splash-proof case has 4 eyelets for easy attachment. Since the Kaituna is not sealed by an Aquaclip™, it is watertight and splashproof, but not submersible. Detachable carry cord included.

49-0185 10" wide x 14" high \$14.99

## **WATERPROOF!**



## C-D. WHANGANUI CASES

Designed to hold large items, these versatile multi-purpose cases are waterproof to 15 ft/5m and will float if dropped in the water. Large and Jumbo cases have shoulder strap and eyelets for easy attachment to cats, canoes and kayaks.

C. 49-0193 Small- 10" high  
Opening circumference 10.5"  
\$19.99

49-0194 Large- 11.5" high  
Opening circumference 17.3"  
\$29.99

D. 49-0195 Jumbo- 12.6" high  
Opening circumference 25.6"  
\$39.99



**A-B. BELT CASES** **WATERPROOF!**

Take your valuables such as a small camera, keys, passport, cash and credit cards with you to the beach or boat. The unpadded Belt Case is waterproof up to 15 ft/5m. The Belt Pac is guaranteed submersible to 30ft/10m and is foam padded front and back for even greater comfort and protection. Both feature the slimline Aquaclip™, plus improved quality belt with tough acetyl side-squeeze buckle. They float with your valuables inside! Detachable neck cord and belt included.

Opening circumference 10.5"

A. 49-0191 Belt Case—7.25" long \$24.99

B. 49-0192 Belt Pac with Belt—7.25" long \$34.99



**C-D. MP3 PLAYER CASE** **WATERPROOF!** / **ZIPAC**

Take your favorite tunes with you wherever you go. Specifically designed to keep your MP3 player safe from water, sand and dirt, the MP3 Player Case features a built-in external headphone jack for your earphones and a clear front panel that allows full operation of controls and click wheels. The ultra-lightweight case weighs only 1.8 oz. and is guaranteed submersible to 15 ft/4m. Complete with elastic/Velcro armband, neck cord, carabiner and dessicant to absorb condensation in humid conditions. Sold separately, the tough neoprene ZipPac pouch with belt makes carrying your MP3 Player Case or other items easy and convenient.

C. 49-0167 MP3 Player Case—4.25" long

Opening circumference 6" \$49.99

D. 49-0168 ZipPac (not waterproof) \$29.99

49-0167-69 MP3 Player Case & Waterproof Headphones \$75.00 SAVE \$5!



MP3 Player Case and ZipPac are sold separately

**WATERPROOF HEADPHONES**

The perfect companion for the Aquapac MP3 Player Case. Aquapac's guaranteed-submersible, waterproof headphones feature amazing sound quality both underwater and above. They are ultra-lightweight and have a comfortable, in-ear design. The headphones come with a nickel-plated, rustproof universal stereo jack, spare silicone earbuds, and a headphone buoy for safe storage. Not suitable at depths of more than 10 ft/3m where lack of equalization could damage eardrums.

49-0169 Headphones \$40.00



**E-F. CAMERA CASES** **WATERPROOF!**

Protect your camera from the elements while you're near, on and in the water! Shoot excellent photos directly through the ultra-clear, optical quality Lenzflex window. Made entirely of light, injection-molded plastics, these cases won't rust or corrode. Both are waterproof up to 15 ft/5m and float with your camera inside. The Compact case fits small digital cameras without zoom lens; Large case has more room for a zoom lens.

E. 49-0174 Compact—7.25" high \$29.99

Opening circumference 10.2"

F. 49-0170 Large—6.5" high \$44.99

Opening circumference 13.8"

49-0171 Barrel Camcorder

49-0172 Palm Camcorder



**RADIO MICROPHONE CASE**

Features the 'TC' Aquaclip which makes a water-resistant seal around wires up to 1/10th inch thick (2.5mm). Supplied with a neck cord, a shoulder strap, and a carabiner. Not designed for submersion.

Opening circumference 6.25"

49-0165 6" high \$49.99

**SHOULDER STRAP**

Fully adjustable and detachable polypropylene webbing strap is 4'3" long. Particularly useful for the Connected Electronics case.

49-0164 \$5.99



**CONNECTED ELECTRONICS CASE**

This water-resistant and sand-proof case will fit palm pilots, mini-disc players and MP3 players. The "TC" Aqua Clip seals around a wire up to 1/10" thick (2.5mm). Includes detachable carry cord. Not designed to be submersible.

Opening circumference 9.75"

49-0166 8.75" high \$59.99



**G-H. CELL PHONE/GPS CASES** **WATERPROOF!**

Keep communications open with these handy cases. The thin, malleable material of the cases means you can operate your phone, pager or GPS as normal though the case without affecting sound. They are guaranteed submersible to 15 ft/5m and float with your phone or GPS inside. The foam-padded back gives extra comfort and protection. Supplied with a neck cord and a carabiner for easy attachment.

G. 49-0123 Micro Phone/Pager Case—4" high

Opening circumference 6" \$24.99

49-0120 Mini Phone/GPS Case—5" high

Opening circumference 6" \$24.99

49-0121 Small Phone/GPS Case—6" high

Opening circumference 6" \$24.99

49-0124 Medium Phone/GPS Case—6.7" high

Opening circumference 7.5" \$24.99

H. 49-0125 Large Phone/GPS Case—8" high

Opening circumference 7.5" \$24.99



**FLIP-PHONE CASE** **WATERPROOF!**

Not only can you make and receive calls in the Flip-Phone case, it also allows you to take pictures and video footage from your phone while out enjoying the water, sand or stormy weather. Guaranteed submersible to 30 ft/10m and will float safely if dropped in water. Foam-padded back for added comfort and protection. Your phone will have full functionality and protection even though it will not close completely. Complete with carabiner and neck cord.

8" tall—Opening circumference 6"

49-0126 \$34.99



**I-L. VHF RADIO CASES** **WATERPROOF!**

Did you drop your VHF radio overboard? No problem. These VHF radio cases are waterproof to 15 ft/5m and float with your radio inside. Use with left or right hand antenna and talk directly through the case with no loss of signal. The Classic models come with a detachable neck cord and carabiner. The Pro models feature a 3-way adjustable harness, integral easy-grab handle, and a carabiner.

I. 49-0130 VHF Classic Small Case—7" high

Opening cir. 7.6" \$29.99

49-0131 VHF Classic Large Case—

8.7" high

Opening cir. 8.7" \$29.99

J. 49-0132 VHF Pro Small Case—

7.2" high/13" antenna

Opening cir. 8.5" \$52.49

K. 49-0133 VHF Pro Large Case—

14.5" high/20.5" antenna

Opening cir. 8.5" \$52.49



**N-O. PDA CASES** **WATERPROOF!**

These cases have an airtight seal to keep your PDA safe from sand, dust and water up to 15 ft/5m, and they will float safely if dropped in water.

There's never any need to take your PDA out of the case because you can use your stylus through the clear window, then store the stylus in the integrated holder. The Classic Plus is suitable for PDAs with expansion packs. The Wallet has a cover and foam-padded rear and is for PDAs without expansion packs. Detachable cord.

N. 49-0161 PDA Classic Plus—7.9" high

Opening cir. 10.5" \$29.99

O. 49-0162 PDA Wallet—6" high

Opening cir. 7.9" \$44.99



**L-M. PRO SPORTS CASES** **WATERPROOF!**

Wear a rugged, multi-purpose Pro Sports case on your arm or leg, keeping your hands free to enjoy any activity. Suitable for GPS, mobile phones and walkie talkies, these cases are made of military specification reinforced vinyl material and are guaranteed submersible to 30ft/10m and it's dust and sand-proof, too!). Sound and signal pass right through the case material. The airtight seal means your equipment will float safely if dropped in water. Complete with neoprene and Velcro® armband, a detachable neck cord and a carabiner for easy attachment. The Mini model is ideal for smaller phones, GPS and two-way radios.

L. 49-0122 Pro Sports Case—6.8" high,

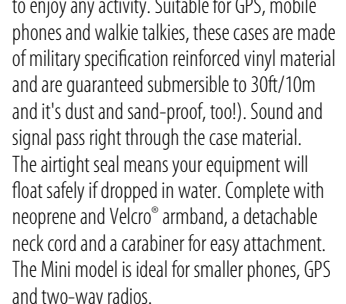
Opening circumference 7.5"

\$44.99

M. 49-0199 Pro Sports Mini—6" high,

Opening circumference 6"

\$34.99





## BARZ SPORT GOGGLES CROSS-SPORT, AMPHIBIOUS EYEWEAR WITH 100% UV PROTECTION!

Barz Sport Goggles offer maximum protection from dust or spray, sun and wind for kiteboarders or windsurfers, motorcycle and PWC riders, sailors, and surfers. Participants of many other activities will also benefit from Barz: mountain bike, sky dive, glacier climbing, skiing and snowboarding, water skiing and wakeboarding, power boating, rescue services, Navy Seals, sand storms, and trekkers. Anyone who suffers from dry eyes will find Barz extremely beneficial.



Go to the  
Murrays website at  
[www.murrays.com](http://www.murrays.com)  
for additional information

### HOW MUCH EYE PROTECTION DO YOU NEED?

**Extreme Protection:** Barz Sport Goggles protect your eyes from the elements of sun, water and spray, wind, dust, sand and pebbles, all while looking good and maintaining excellent peripheral vision.

**Safety Frames:** Barz Sport Goggles' molded nylon frames are virtually unbreakable and were designed so that the lenses cannot be dislodged inwardly from a frontal impact. The combination of polycarbonate lenses and Barz safety frames means you get the strongest and safest Rx-able sport goggles possible.

**Prescription Lenses:** This is the BIG benefit if you need serious vision correction. Many people have lost some visual acuity with age and appropriate correction can add measurably to performance, pleasure and safety. The range of options and services is expanding, so please call or visit the Murrays Web site for additional information.

**Custom Fit:** While Barz Cross-Sport Goggles come fully assembled and ready to wear, they can be easily disassembled and rebuilt to provide a more customized fit. Included options and variables include:

1. Nose bridge width (3 choices).
2. Curvature of nose bridge (flexible bridges self-adjust to the curvature of your face).
3. Gaskets are asymmetrical to provide rotate-to-fit custom fit capability (instructions included). Vented gaskets (installed) provide balance between blocking wind and allowing ventilation to limit fog. Sealed gaskets (included) completely seal wind and water away from eyes. Sealed gaskets can be "custom vented" using a simple paper punch tool. Extra-deep gaskets are also available to provide additional adjustment options.
4. Strap tension.

**Extreme Security:** Barz Cross-Sport Goggles are retained by elastic straps that are more durable and hold your cross-sport eyewear more securely than temple bars. Additionally, elastic straps fit comfortably inside or outside of sport helmets. Watersports participants should install the heavy duty leash unless the goggles are being secured to or under your headgear. Store your Barz in its durable and convenient zippered neoprene case when not in use.

**Anti-Fog:** Apply Fogzero (#52-510\_) prior to wearing to reduce fogging. For in-water sports, we recommend carrying a very small container of an anti-fog solution (baby shampoo or mild dish soap) for periodic application as needed. It is usually best to use the vented gaskets and let the wind (real or apparent) keep the fog at bay. Biking, PWC riding, skiing, etc. are usually not a problem. (e.g.: 5 seconds or so on a chairlift creates enough "wind" to clear the goggles, if needed, after a hard run.)

### BARZ® SPORT GOGGLES WITH STANDARD LENSES

Molded nylon frames with polycarbonate lenses in blue-gray color for all-around use.

52-3311	Black Frame with Blue-Gray Lenses	\$100.00
52-3321	Crystal Frame with Blue-Gray Lenses	\$100.00
52-3341	Blue Frame with Blue-Gray Lenses	\$100.00
52-3351	Other Color Frame with Blue-Gray Lenses (Aqua, Red, Yellow, Orange, Purple, Lime, Smoke)	\$100.00

### BARZ® SPORT GOGGLES WITH POLARIZED LENSES

Black molded nylon frames with polarized polycarbonate lenses. Polarized lenses block glare, improve contrast and maximize visual acuity, making your eyes more comfortable. Photochromic lenses darken when exposed to sunlight.

52-3311-21	Black Frame with Gray Polarized Lenses	\$130.00
52-3311-24	Black Frame with Green Polarized Lenses	\$130.00
52-3311-25	Black Frame with Brown Polarized Lenses	\$130.00
52-3310-41	Black Frame with Gray Polarized & Photochromic Lenses	\$140.00
52-3310-41	Black Frame with Brown Polarized & Photochromic Lenses	\$140.00



Barz Optics Photo



Eric Marchand



Eden Rue



Eric Marchand



Barz Optics Photo



Photo: Guillaume Tessier



### BARZ SPORT GOGGLES INCLUDE:

- **Custom Fit Kit:** Two additional nosebridges, one smaller and one larger than standard, provide a comfortable fit for most face sizes and shapes.
- **Hypoallergenic Gaskets:** One pair of vented gaskets are installed on the goggles; one pair of sealed gaskets are also included in the kit.
- **Sturdy Leash:** Wear around your neck or attach to your wetsuit zipper pull.
- **Neoprene Sport Case with Belt-loop Snap Hook:** Carry, protect and store your Barz Sport Goggles with ease.

### HIGH-WRAP POLARIZED SUNGLASSES

Visit [www.murrays.com](http://www.murrays.com) for details.



Frame Colors:  
Crystal, Blue, Black.  
Additional colors  
are also available.



### REPLACEMENT PARTS

Barz Sport Goggles are the most serviceable goggles you'll ever own. Everything is easily and economically replaceable if you lose or scratch a lens or break a part. Visit [www.murrays.com](http://www.murrays.com) or call for more information.

### POLYCARBONATE LENSES

All lenses offer 100% UV protection. High-definition yellow enhances contrast in low-light conditions. Photochromic lenses darken when exposed to sunlight. Pair.

52-3011	Lenses P/C Blue-Gray	\$30.00
52-3013	Lenses P/C Hi Def Yellow	\$30.00
52-3016	Lenses P/C Clear	\$30.00
52-3022	Lenses P/C Polarized Gray	\$60.00
52-3024	Lenses P/C Polarized Green	\$60.00
52-3025	Lenses P/C Polarized Brown	\$60.00
52-3041	Lenses P/C Polarized & Photochromic Gray	\$70.00
52-3045	Lenses P/C Polarized & Photochromic Brown	\$70.00

### GASKETS

Sealed gaskets totally block wind, spray and dust, or can be custom vented with a paper hole punch. Pair.

52-3032	Standard Gaskets: Sealed Black	\$5.00
52-3033	Standard Gaskets: Vented Black	\$5.00
52-3034	Standard Gaskets: Sealed Clear	\$5.00
52-3035	Standard Gaskets: Vented Clear	\$5.00
52-3038	Deep Gaskets, Sealed Clear	\$6.00
52-3039	Deep Gaskets, Vented Clear	\$6.00

### HINTS FOR FITTING & USE

Instructions for fitting and hints for optimal use are at [www.murrays.com](http://www.murrays.com).

### BARZ® CROSS-SPORT GOGGLES WITH PRESCRIPTION LENSES

A prescription order form, available at [www.murrays.com](http://www.murrays.com) or by fax, makes ordering easy. Before ordering prescription lenses, you will need to order a pair of Barz so that you can try them on and determine which nosebridge fits your face. Prescription lenses can be fitted into black frames only. Return the frames with your prescription and we will have the lenses fitted. In general, prescriptions of -6.00 to +2.00 can be made to fit into the Barz frames. Lab time is approximately 5 days. The basic price for Barz with prescription lenses is \$215 (\$115 for lenses plus \$100 for the goggles) and they can be made polarized and/or photochromic (color change activated by UV light) for an additional \$60 each option. There may be an extra charge for a difficult prescription. Please check with Murrays regarding the availability of prescription goggles with your prescription and choice of options. More information is available at the Murrays website or by calling Murrays.



Example of Barz with a relatively high Rx lens



# BARZ® SWIM GOGGLES

## BARZ SWIM GOGGLES FOR LAP SWIMMERS & TRI-ATHLETES

- Shatterproof polycarbonate lenses with or without built-in prescription.
- Tinted lenses for outdoor swimming.
- 100% UV protection.
- Anti-fog coating on the inside.
- High-quality silicone strap and gaskets.
- Three sizes of interchangeable flexible nosebridges for proper fit.
- Relatively wide field of vision.

Barz Swim Goggles are available with non-prescription lenses or with off-the-shelf corrective lenses from -2.00 to -7.00 in increments of .50.



## SWIM GOGGLES WITH NON-PRESCRIPTION LENSES

Assorted frame colors as listed.  
\$29.00

- 52-4111 Black
- 52-4121 Clear
- 52-4131 Blue
- 52-4141 Purple



## SWIM GOGGLES WITH PRESCRIPTION LENSES

1. Order the Swim Goggle Kit from list below.
  2. Order lenses from list at bottom of the page.
- NOTE: Rx swim lenses are interchangeable and do NOT need to be the same power!

## SWIM GOGGLE KITS FOR PRESCRIPTION LENSES

Order Prescription Swim Goggle Kit, then choose two lenses from listing below (corrective lenses). These item numbers directly below are for the frame kits only.

\$19.00

- 52-4210 Black
- 52-4220 Clear
- 52-4230 Blue
- 52-4240 Purple
- 52-4250 Other Assorted Colors



## SWIM GOGGLE PRESCRIPTION LENSES (EACH)

Since lenses are ordered individually, your goggles can have a different prescription lens for each eye to assist with optimum clarity.

Order two!

\$18.00 each

- |         |      |         |      |
|---------|------|---------|------|
| 52-4320 | -2.0 | 52-4350 | -5.0 |
| 52-4325 | -2.5 | 52-4355 | -5.5 |
| 52-4330 | -3.0 | 52-4360 | -6.0 |
| 52-4335 | -3.5 | 52-4365 | -6.5 |
| 52-4340 | -4.0 | 52-4370 | -7.0 |
| 52-4345 | -4.5 |         |      |

## GUL NEOPRENE REPLACEMENT DRY SUIT SEALS

More comfortable, more durable than latex. Replace seals on older Gul or other brand dry suit. Adhesive (we suggest Aquaseal) and instructions not included. Add size code to item number:

- |                 |                |
|-----------------|----------------|
| Jr Medium... 0  | Large.....7    |
| Jr Large..... 1 | X-Large.....8  |
| Small..... 2    | XX-Large.....9 |
| Medium..... 4   |                |

- |                          |         |
|--------------------------|---------|
| 38-211_ Wrist Seals—pair | \$24.95 |
| 38-212_ Neck Seal—each   | \$29.95 |

## A. DRY SUIT LATEX SEAL REPAIR KITS

Replace broken and leaking dry suit seals. The Wrist and Ankle Kits include two replacement seals each; the Neck Kit has one seal. Kits include seal(s), Aquaseal, sandpaper and instructions.

- |                              |         |
|------------------------------|---------|
| A. 38-30121 Neck—Small       | \$35.00 |
| 38-3012 Neck—Medium to XL    | \$35.00 |
| 38-3013 Wrist pair—Med to XL | \$34.00 |
| 38-30131 Wrist pair—XS to S  | \$34.00 |
| 38-3014 Ankle—pair           | \$36.00 |



## DRY SUIT LATEX DRY SOCKS

For additional warmth and dry feet, replace ankle seals with Dry suit Dry Socks. Easy to wear because there is no restriction at the ankle cuff. Men's shoe sizes. Pair.

\$45.00 (Seal installation is \$30.00/pair)

- |                |             |
|----------------|-------------|
| 38-3051 Small  | Fits 7-8.5  |
| 38-3052 Medium | Fits 8.5-10 |
| 38-3053 Large  | Fits 10-13  |



Murrays can replace your torn drysuit seals for a labor charge of \$25.00 per neck seal and \$30.00/pair of wrist or ankle seals. Turnaround time is about one week. Please call for information and shipping instructions.

## TAKING CARE OF YOUR SUIT

As with all other possessions, proper usage, care and preventive maintenance will prolong the life and increase the enjoyment you receive from your wet or dry suit.

- Keep it clean. Rinse the zipper with fresh water after every use. Washing with wetsuit shampoo and/or MiraZyme and water on a regular basis will keep your suit smelling fresh and help protect the surface from aging.
- Rinse with 303 periodically for rejuvenation and UV protection.
- Store your suit in a well ventilated area out of direct sunlight. Hang on a wide hanger to reduce the strain to the shoulder area.
- Inspect your suit often for minor damage. Take the time to make repairs while they are still small. Seal Cement will make instant repairs to small nicks or split seams.
- Pay special attention to dry zippers and seals. The proper use of lubricants and protectants will prolong the life of zippers and seals and help keep you dry and warm.

# WETSUIT & DRY SUIT CARE

## 303 AEROSPACE PROTECTANT

SPF 40 sunscreen for your stuff!

This is the maintenance product manufacturers recommend most.

Only 303 beautifies intensely, protects powerfully, and lasts! Powerful UV screening protection for colored gel-coat fiberglass, inflatable boats, vinyl, rubber, plastics and leather. Spray on/wipe dry to provide UV protection for wetsuits, dry suits and life vests and more. Non-toxic and environmentally safe; does not contain silicone oils or petroleum distillates.

- |                            |         |
|----------------------------|---------|
| 40-0303 8 fl. oz. Pump     | \$7.95  |
| 40-0304 16 fl. oz. Trigger | \$14.95 |
| 40-0305 Gallon             | \$64.95 |



## ZIP CARE™

Cleans and lubricates all zippers to keep them functioning properly, which is especially important on dry suits and TiZips. The push-pull brush top means the Zip Care actually gets between the teeth and physically removes foreign debris that can jam the zipper, leaving behind a mild lubricant containing no silicone. 2 fl. oz.

- |         |        |
|---------|--------|
| 38-1925 | \$4.99 |
|---------|--------|



## ZIP TECH™

Designed to inhibit rust, resist corrosion and lubricate the metal of watertight, airtight zippers. Zip Tech is a solid lubricant which contains no silicone or paraffin and is packaged in a no-mess, roll-on container. 1/2 oz. tube.

- |         |        |
|---------|--------|
| 38-1930 | \$6.50 |
|---------|--------|



## WETSUIT SHAMPOO

To help your wetsuit stay fresh, biodegradable suit shampoo will get rid of organic residue and salt deposits, and improve your suit's fragrance. 8 oz.

- |         |        |
|---------|--------|
| 38-1901 | \$5.75 |
|---------|--------|



## MIRAZYME™ ODOR ELIMINATOR

Just add to water, dip and dry for complete elimination of odors from wetsuits, dry suits, neoprene gloves, booties and sports gear! Containing a unique blend of ten highly specialized, light-activated microbial elements, MiraZyme is fast, effective, 100% natural and biodegradable. Works quickly and thoroughly with one application. 2 fl. oz.

- |         |        |
|---------|--------|
| 38-1904 | \$4.99 |
|---------|--------|



## SILICONE PUMP

A great drysuit entry lubricant! Also lubricates and maintains all other rubber products. 8 fl. oz. non-aerosol pump.

- |         |        |
|---------|--------|
| 38-1980 | \$5.99 |
|---------|--------|



## AQUASEAL AND COTOL 240

Aquaseal is a unique urethane rubber compound which provides superior permanent adhesion, wear resistance, flexibility and waterproofing. Even holes the size of a quarter can be repaired without patches or shrinkage. Aquaseal cures to a flexible rubber product. One application provides a permanent and flexible repair. Recommended for and supplied with dry suit seal replacement kits. Cure time: 10-14 hours. 1 fl. oz. tube. Prepare area needing repair with COTOL 240™ and/or mix it with Aquaseal for full strength repairs in just two hours. Kit contains 1 oz. of Aquaseal and 1/2 fl. oz. of COTOL 240.

- |                                |         |
|--------------------------------|---------|
| 38-1910 Aquaseal 1 oz.         | \$7.00  |
| 38-1912 Aquaseal/COTOL 240 Kit | \$10.99 |

## SEAL CEMENT

This industrial strength contact cement dries fast, making it ideal for fast, in-field repairs. Seal Cement forms chemical bonds in the repair area, so it's ideal for neoprene repairs, butting seams and dry suit seals. This neoprene cement cures in just a few minutes. 2 fl. oz. tube. Applicator brush included.

- |                 |        |
|-----------------|--------|
| 38-1906 Clear   | \$4.95 |
| 38-1906BK Black | \$4.95 |



## RELATED ITEMS

- |                |       |
|----------------|-------|
| Dry Suits..... | 8     |
| Wetsuits.....  | 10-11 |

# SAILING SUITS

## BREATHABLE DRYSUITS BY GUL

Why choose a BREATHABLE drysuit? Too much moisture (perspiration) inside a drysuit, combined with cooling to cold conditions outside the suit, mean that you can get COLD! A BREATHABLE drysuit vents moisture to help keep you comfortable. See "Hints for Staying Comfortable" for more information.



### A. GUL ION BREATHABLE DRYSUIT

Gul's most popular drysuit has been revamped for 2006 and is packed with technical features for enhanced performance. Glideskin wrist and neck seals offer new levels of comfort and the stylish panel layout is shaped for an improved fit. Ideal for catamaran and dinghy sailing and watersports in the cooler months. The GCX3 hard wearing, 3-layer fabric is breathable, waterproof and lightweight to protect you from the elements and 100% waterproof heat taped seams prevent water penetration. Contoured body panels give a performance fit for reduced snagging and bulk and improved windage. Also features: articulated arms and knees, tough Dynat zip with cover, elastic waist, an arm pocket with drainer for secure storage, and internal suspender points (suspenders not included). Integrated latex socks keep feet warm and dry and are the only way to go for fast and easy drysuit entry and removal. Keep in mind that you may need to order next size larger boots. Do not wear dry suit without boots or shoes! Navy/silver in men's sizes.

**\$499.00**  
38-2211 Junior Large  
38-2212 Small  
38-2214 Medium  
38-2217 Large  
38-2218 X-Large  
38-2219 XX-Large

Replacement seals are available by special order.

A drysuit can be modified for men's all-day comfort with a #38-3011 9" zipper for \$79.00 plus installation charge of approximately \$50.

### B. GUL ION BREATHABLE DRYSUIT

Constructed from a hardwearing and breathable 4-layer fabric, the front-zip Ion is designed for maximum performance even in tough winter conditions. Gul's ultimate drysuit has a slimmer cut for minimal bulk and contoured panel lines for a stylish look and internal adjustable suspenders allow you to personalize the action fit. The outer storm collar incorporates Gul's asymmetric zipper system that allows personal neck adjustment. There is ample storage with a new cargo pocket on the thigh for easy access. Glideskin neck and wrist seals prevent water flush and are much more comfortable than latex. The GCX4 fabric is breathable, waterproof and lightweight and the 100% waterproof, heat-taped seams prevent water penetration. Also features articulated arms and knees, tough Dynat zip, and hook and loop cuff and ankle adjusters. Integrated latex socks keep your feet warm and dry and are the only way to go for fast and easy drysuit entry and removal. You may need to order the next size larger boots, and be sure not wear drysuit without boots or shoes! Men's sizes are navy/silver. The women-specific model has a slimmer cut and a black color.

**\$599.00**  
38-2911 Junior Large  
38-2912 Small  
38-2914 Medium  
38-2917 Large  
38-2918 X-Large  
38-2919 XX-Large  
38-2922 Women's Small—Black  
38-2924 Women's Medium—Black  
38-2927 Women's Large—Black



### C. GUL BREATHABLE WIND TOP

This is one of the lightest spray tops of its kind and provides spray and UV protection without overheating. Key features:

- GCX2 2-layer fabric for a lightweight, breathable and waterproof garment.
- 100% waterproof heat taped seams.
- Adjustable polyurethane collar and wrist seals to reduce water flush.
- Neck gusset makes it easy to get in and out of and provides venting when necessary.
- Secure chest pocket with drain holes.
- Fully adjustable neoprene waistband.

**\$99.00**

	Navy	Red
Small	36-0070-2	36-0071-2
Medium	36-0070-4	36-0071-4
Large	36-0070-7	36-0071-7
X-Large	36-0070-8	36-0071-8
XX-Large	36-0070-9	36-0071-9



### D. GUL WIND TOP

A great inexpensive spray top to wear over farmer john wetsuit for catamaran sailing and kayaking. Key features:

- GCX waterproof fabric.
- Adjustable neoprene collar
- Neck gusset makes it easy to get in and out of and provides venting when necessary.
- Secure chest pocket with drain holes.
- Elasticized waistband.
- Adjustable polyurethane wrist seals to reduce water flush.

**\$49.00**

	Silver	Navy	Red
Jr Small	38-5450	38-5460	38-5470
Jr Medium	38-5451	38-5461	38-5471
Jr Large	38-5452	38-5462	38-5472
Small	38-5454	38-5464	38-5474
Medium	38-5456	38-5466	38-5476
Large	38-5458	38-5468	38-5478
X-Large	38-5459	38-5469	38-5479

**GUL**

## GUL SAILING SUIT SIZE CHART

Size	Height	Chest	Inside Leg
Jr-S	4'3" (129 cm)	26"-29" (66-73 cm)	22" (56 cm)
Jr-M	4'7" (141 cm)	31"-34" (78-86 cm)	24" (62 cm)
Jr-L	5' (153 cm)	32"-34" (80-87 cm)	27" (68 cm)
S	5'5" (165 cm)	34"-38" (86-96 cm)	29" (74 cm)
M	5'9" (175 cm)	38"-42" (95-107 cm)	31" (79 cm)
L	6'1" (185 cm)	42"-44" (107-111 cm)	33" (84 cm)
XL	6'4" (195 cm)	44"-46" (111-117 cm)	35" (89 cm)

## HINTS FOR STAYING COMFORTABLE

- Dress for the conditions and layer as necessary.
- Wear underwear that "wicks" moisture away from your skin (polypro, wool).
- "Vent" (open zipper for a few seconds) suit between races or as appropriate and safe.\*
- Add or remove a warm (wool, neoprene, polypro) hat or cap to balance temperature.
- Return to shore ASAP if you feel that you are not going to be comfortable.

\* Warning: Do not sail with dry suit zipper open! If you capsize and suit fills with water, you will be in real danger!

## LAYER FOR WARMTH AND COMFORT

- Short or long-sleeve rash guards (see pg. 10).
- Gul fleece: purpose designed for wearing under your dry suit.

## ACCESSORIES ADD WARMTH

### Boots (see page 12)

If your boots seem too small to accommodate your new latex dry socks, consider purchasing a pair of boots one size larger.

### Gloves (see page 13)

Gul Dry Gloves give a real waterproof seal with dry suit wrist cuffs.

### Cap or Hood (see page 12)

A neoprene cap or hood is the easiest way to control up to 20% heat loss or retention.





## GUL HIGH FIT TROUSERS

Gul's companion to the popular Wind Top is constructed of GCX lightweight and waterproof fabric. Features:

- 100% waterproof heat-taped seams.
- Fully adjustable wide elastic suspenders.
- Elastic waistband for contoured fit.
- Secure cargo pocket with water drainer.
- Articulated knees for active, ergonomic fit.
- Fully adjustable ankle closures.
- Navy blue.
- Junior sizes are previous year closeouts.

**\$89.00**

38-5481	Jr-Medium	\$59.00 CLOSEOUT
38-5482	Jr-Large	\$59.00 CLOSEOUT
38-5484	Small	
38-5486	Medium	
38-5488	Large	
38-5489	X-Large	



## GUL ONE-PIECE SPRAYSUIT

This lightweight but durable one-piece suit features:

- GCX waterproof fabric.
- Adjustable neck seal
- Two-way zip with storm flap.
- Elastic waist panel for better fit and comfort.
- Adjustable polyurethane wrist seals.
- Self-draining pocket on thigh.
- Reinforced seat and knee wear areas.
- Silver/Navy.

**\$89.00**

38-5502	Jr-Large
38-5504	Small
38-5506	Medium
38-5508	Large
38-5509	X-Large



## GUL FLEECE CHEST-HIGH PANTS

200g polar fleece pants feature elastic ankles with foot loops, suspenders and a 2-way front zip. Flatlock stitched for comfort.

**\$69.00**

36-0331	X-Small
36-0332	Small
36-0334	Medium Thermal Leggings (NOT AS PICTURED)
36-0337	Large
36-0338	X-Large



## GUL FLEECE LONG SLEEVE TOP

200g polar fleece top features crew neck and elastic cuffs. Flatlock stitched for comfort. Limited to stock on hand.

**\$49.95**

36-0321	X-Small
36-0322	Small
36-0324	Medium
36-0327	Large
36-0328	X-Large



## GUL RADIATION UNDERSUIT

Stay warm and comfortable when you wear this quick-dry, breathable polar fleece full suit under your drysuit. The Radiation undersuit features a crew neck, full-length 2-way zipper, elastic waist at back, elastic wrists and ankles, and foot loops to prevent the suit from riding up during movement.

**\$79.95**

36-0341	X-Small
36-0342	Small
36-0344	Medium
36-0347	Large
36-0348	X-Large

# GUL



Photo courtesy of Gul



## YOUR SATISFACTION IS GUARANTEED...

If your garment does not fit, we will exchange it with a smile! If you must return a suit, please be considerate:

- Keep all tags and original packaging.
- Keep items clean.
- Fold neatly for return.

## RELATED ITEMS

Boots & Neoprene Cap .....	pg 12
Dry Suit Care .....	7
Gloves .....	13
Replacement Seals .....	7

# DRYSHIRTS & RASH GUARDS

## LONG SLEEVE DRYSHIRT

The revolutionary fiber and patented synthetic treatment in the Dryshirt™ make it unique apparel for both the serious racer and recreational cruiser. The state-of-the-art material repels water from the outside, but is lightweight and breathable, making it ideal for sun and spray protection in hot conditions and a perfect base layer in cold weather when feeling sticky isn't an option. Sun Protection Factor (SPF) of 50. White. Quantity discounts and custom screening are available for fleets, teams or other organizations.

\$48.50

38-6011	XX-Small	38-6015	Large
38-6012	X-Small	38-6016	X-Large
38-6013	Small	38-6017	XX-Large
38-6014	Medium	38-6018	XXX-Large

### Additional Dryshirt colors:

38-609_	Gray (sizes XS-XXL; use size codes above)
38-602_	Navy (sizes XS-XXL; use size codes above)



Wear a rash guard as an outer layer to prevent snagging.

## RASH GUARDS

**Polypro Thermal Rash Guards:** Add 1-2mm warmth equivalent with more comfort and less restriction. Black.

**Lycra Rash Guards:** Make entering wetsuits easier and more comfortable. Cat and dinghy sailors may want to wear over harness and life jacket to prevent "snagging." White with Blue Stitching.



## LONG SLEEVE THERMAL RASH GUARD

\$52.00

37-4311	X-Small
37-4312	Small
37-4314	Medium
37-4317	Large
37-4318	X-Large
37-4319	XX-Large



## LONG SLEEVE LYCRA RASH GUARDS

\$34.00

37-4100-1	X-Small
37-4100-2	Small
37-4100-4	Medium
37-4100-7	Large
37-4100-8	X-Large



## SHORT SLEEVE LYCRA RASH GUARDS

\$25.95

37-4000-1	X-Small
37-4000-2	Small
37-4000-4	Medium
37-4000-7	Large
37-4000-8	X-Large

# ULTRA-THIN WETSUITS

## ULTRA-THIN WETSUITS

**For active in- or on-the-water sports** such as kite and windsurfing, surfing, water ski and wakeboarding or whitewater kayaking, ultra-thin wetsuits are THE antidote for sunburn, wind chill, spray and water chill and/or for use as an under layer to add warmth to your wetsuit.

**Use as warm rash guards** or ultra-lite versions of wetsuits. The unique Metalite inner "skin" (on all but the John and Jane) seals out the water and directly reflects heat back to the wearer.

**As an outer layer**, they provide 100% protection from harsh UV rays or sunburn and are ideal in defending against wind and water chill while providing "board-rash" protection.

**As an inner layer**, 0.5mm choices add 2mm warmth with much greater mobility by sealing out cold water that usually enters through a zipper. They also extend the temperature range and versatility of 3mm wetsuits, sometimes eliminating the need for a heavier wetsuit.

## A-B. AQUALITE 2MM LONG JOHN & JANE



Wear this suit by itself or layer for versatility. It is 2mm thick for freedom of movement and has a combination of nylon-II neoprene and skin-out body panels to reduce evaporative cooling. There are titanium seals at the arm, leg and neck openings. A heavy weave neoseat material increases durability. Tuff-Skin knee pads provide protection and ankle zips make getting in and out of the suit easier.

\$89.95

### A. Men's AquaLite Long John

37-1712	Small
37-1714	Medium
37-1717	Large
37-1718	X-Large
37-1719	XX-Large

### B. Women's AquaLite Long Jane

37-1721	X-Small (5-6)
37-1722	Small (7-8)
37-1724	Medium (9-10)
37-1727	Large (11-12)
37-1728	X-Large (13-14)



# KIDS' WETSUITS

## GUL KIDS' 3/2MM F/L WETSUITS

Gul's kids' wetsuits feature the same quality materials and construction as adult wetsuits. The mesh skin upper body sheds water for extra warmth, while double-lined arms, legs and seat provide needed durability.

	Shorty	Full
	\$59.95	\$79.95
XX-Small	36-6600-0	36-6960-0
X-Small	36-6600-1	36-6960-1
Small	36-6600-2	36-6960-2
Medium	36-6600-4	36-6960-4
Large	36-6600-7	36-6960-7
X-Large	36-6600-8	36-6960-8
XX-Large	36-6600-9	36-6960-9



KIDS' WETSUIT SIZING					
Size	Code	Height	Chest	Waist	Hips
XXS	0	3'5"	23"	22"	24"
XS	1	3'10"	25"	23"	26"
S	2	4'0"	26"	23.5"	27"
M	4	4'5"	28"	24"	29"
L	7	4'7"	29"	25"	30"
XL	8	5'	31"	26.5"	32"
XXL	9	5'2"	32"	27"	33"

## 0.5MM LONG SLEEVE TOP

\$69.00

37-1301	X-Small	\$39.00
37-1302	Small	
37-1304	Medium	
37-1307	Large	
37-1308	X-Large	

## 1.5MM SHORT SLEEVE SHORTY

\$89.00

37-1401	X-Small	\$79.00
37-1402	Small	
37-1404	Medium	
37-1406	Medium/Large	
37-1407	Large	
37-1408	X-Large	
37-1409	XX-Large	

## C-SKIN 1.5MM LONG SLEEVE SHORTY

\$69.00 CLOSEOUT

37-1601	X-Small
37-1602	Small
37-1604	Medium
37-1607	Large
37-1608	X-Large

## C-SKIN 0.5MM SHORT SLEEVE T

\$59.00

37-1101	X-Small
37-1102	Small
37-1104	Medium
37-1107	Large
37-1108	X-Large
37-1109	XX-Large



## SHORT PANTS

\$45.00

37-1202	Small
37-1204	Medium
37-1207	Large
37-1208	X-Large





## CROSS-SPORT WETSUITS

### GUL 3/2MM B/S TI-2 STEAMERS

These are the most versatile mid-weight cross-sport wetsuits for surfing, kite boarding and windsurfing. DuraFlex and G-Flex neoprenes are "form-fitting" comfortable and the mesh skin neoprene upper body helps to keep you extra warm. Glued and blindstitched seams are durable and almost totally block water entry. Men's suit has liquid taped seams for even greater strength and seal enhancement.

**Men's Sizes \$199.00**

36-1140-2 *Men's Small*  
36-1140-3 *Men's Medium/Small*  
36-1140-4 *Men's Medium*  
36-1140-5 *Men's Medium/Tall*  
36-1140-6 *Men's Medium/Large*  
36-1140-7 *Men's Large*  
36-1140-8 *Men's X-Large*

**Women's Sizes \$179.00**

36-1237-1 *Women's X-Small*  
36-1237-2 *Women's Small*  
36-1237-4 *Women's Medium*  
36-1237-7 *Women's Large*

### GUL LADY 5/4/3MM B/S TI-2 STEAMER

Our warmest wetsuits for women. Glued and blindstitched seams prevent water from entering suit through seams. Gul sizing has proven to be "very accommodating," but we appreciate that not every wetsuit will have the perfect fit for everyone... so our return or exchange policy allows you to try before your purchase is truly final! (Style may vary from photo.)

**\$199.00**

36-1227-1 *Women's X-Small*  
36-1227-2 *Women's Small*  
36-1227-4 *Women's Medium*  
36-1227-7 *Women's Large*  
36-1227-8 *Women's X-Large*

### RELATED ITEMS

Knee Pads & Hoods..... pg 12  
Wetsuit Care..... 7

### GUL 3/2MM F/L SHORTY WETSUITS

This is the most universal "all-sport" wetsuit for warmer air and water. Back zip entry. The smooth skin upper body sheds water. Nylon lined legs and seat areas add durability.

**GUL**



	Men's	Women's
	\$89.00	\$69.00 CLOSEOUT
X-Small	NA	NA
Small	36-1213-2	NA
Sm/Med	36-1213-3	NA
Medium	36-1213-4	36-3320-4
Med/Lg	36-1213-6	NA
Large	36-1213-7	NA
X-Large	36-1213-8	36-3320-8
XX-Large	36-1213-9	NA

### GUL WETSUIT TERMS

**B/S:** Blindstitched seams are also glued and effectively keep most water out.

**F/L:** Flatlock seams are smooth, strong and comfortable with some leakage.

**3/2mm:** Combination of 3mm (torso) and 2mm (arms) neoprene.

**Ti-2:** Newest titanium technology reflects body heat to keep you warm.

**Liquid Taped Seams:** Blindstitched seams that are coated with an additional layer of glue inside the suit.

**Mesh Skin Neoprene:** The "skin" is a smooth or textured outer surface that sheds water. Inside is lined with nylon.

**G-FLEX:** Super stretchy neoprene permits less restricted range of movement and comfort compared to the standard grade of neoprene used on less expensive wetsuits.

**DURAFLEX:** The MOST flexible, warm, durable neoprene available today.

## SPECIALIZED WETSUITS: SAILING, KAYAKING, PWC

### A-B. AQUATHERM 3MM LONG JOHN & JANE

The ideal sailing wetsuit that gives you the ability to layer to suit the conditions. The AquaTherm is constructed of 3mm nylon II neoprene with glued and blindstitched seams for strength and watertight integrity. There are heavy-duty zippers at the front and ankles, so it's easy to get in and out of. Embossed knee pads protect your knees when crawling on the tramp.

**\$125.00**

#### A. Men's AquaTherm Long John

The John's front zip has double pulls for relief.

Black/silver/navy.

37-1742 *Small*  
37-1744 *Medium*  
37-1747 *Large*  
37-1748 *X-Large*  
37-1749 *XX-Large*

#### B. Women's AquaTherm Long Jane

The Jane has a special relief zipper that means you don't have to take everything off to use the bathroom! Black/sand/sage.

37-1751 *X-Small (5-6)*  
37-1752 *Small (7-8)*  
37-1754 *Medium (9-10)*  
37-1757 *Large (11-12)*  
37-1758 *X-Large (13-14)*

**WARMERS**



### GUL 3MM TI-2 MARINE SHORTY

These wetsuits feature front zips for easy entry and comfort when worn with a life jacket and/or a harness. They are cut longer in back to accommodate sitting positions. The back "Airprene" neoprene is vented for breathability and comfort. Highly abrasion-resistant "Dura-Tex" knee and seat reinforcements will make these wetsuits outlast all others!

**\$119.00 Men's sizes only**

36-0045-2 *Small*  
36-0045-3 *Medium/Small*  
36-0045-4 *Medium*  
36-0045-6 *Medium/Large*  
36-0045-7 *Large*  
36-0045-8 *X-Large*  
36-0045-9 *XX-Large*

Also available by special order: 3mm Ti-2 Short Arm Front Zip Wetsuit (GM0139) \$140.00

**GUL**



## SPECIALIZED WETSUITS: KITE BOARDING & WINDSURFING

### GUL MEN'S DELTA 5/4/3MM B/S TI-2 STEAMER

Gul's ultimate winter windsurf suit has been tested in cold waters all over the world. It features superlite smooth skin neoprene to minimize wind chill, 100% G-flex panels in key movement areas, and Gul's revolutionary tech-neck fastening.

**\$299.00**

36-1263-2 *Men's Small*  
36-1263-3 *Men's Small/Medium*  
36-1263-4 *Men's Medium*  
36-1263-5 *Men's Med/Tall*  
36-1263-6 *Men's Med/Lg*  
36-1263-7 *Men's Large*  
36-1263-8 *Men's X-Large*



### MEN'S WETSUIT SIZES

Size	Code	Height	Chest	Waist	Hips
S	2	5'4" - 5'6"	34" - 36"	27" - 29"	32" - 34"
S/M	3	5'6" - 5'8"	36" - 38"	29" - 31"	34" - 36"
M	4	5'8" - 5'10"	38" - 40"	31" - 33"	36" - 38"
M Tall	5	5'10" - 6'0"	38" - 40"	31" - 33"	36" - 38"
M/L	6	5'10" - 6'0"	40" - 42"	33" - 35"	38" - 40"
L Short*	7	5'8" - 5'10"	42" - 44"	35" - 37"	40" - 42"
L	7	6'0" - 6'2"	42" - 44"	35" - 37"	40" - 42"
XL	8	6'2" - 6'4"	44" - 46"	37" - 39"	42" - 44"
XXL*	9	6'2" - 6'4"	46" - 48"	39" - 40"	44" - 46"

### WOMEN'S WETSUIT SIZES

Size	Code	Height	Chest	Waist	Hips
XS / US 6	1	5'5" - 5'6"	32" - 34"	24" - 26"	34" - 36"
S / US 8	2	5'6" - 5'7"	34" - 36"	26" - 28"	36" - 38"
M / US 10	4	5'7" - 5'8"	36" - 38"	28" - 30"	40" - 42"
L / US 12	7	5'8" - 5'9"	38" - 40"	30" - 32"	42" - 44"
XL / US 14*	8	5'8.5" - 5'9.5"	40" - 42"	32" - 34"	44" - 46"

\*Not available in all styles. Some suits may be special order.

# BOOTS, KNEE PADS & HOODS

## WARMERS 5MM BOOTS WITH FIRM SOLE & ZIP

These heavy duty boots have added ankle and sole support and deep, grippy non-slip treads give solid protection for any type of boating. They are constructed of 5mm stretch nylon II neoprene with a 7mm inner sole for extra warmth and protection. Excellent support for trapezing is provided by the stiff, compression-molded sole with built-in arch. The black boots feature



a non-corrosive #10 delrin, heavy-duty zipper, reinforced rubber toe and heel cap, and glued and blindstitched seams and they come in a handy, reusable mesh bag. Sizes run true to size.

\$49.95		37-5209	Size 9
37-5205	Size 5	37-5210	Size 10
37-5206	Size 6	37-5211	Size 11
37-5207	Size 7	37-5212	Size 12
37-5208	Size 8	37-5213	Size 13

## WARMERS 5MM BOMBER BOOTS WITH ZIP

With support, warmth, easy entry and stiffness, these boots meet the extreme demands of a variety of sports. They are constructed of 5mm stretch nylon II neoprene with triple-thick vulcanized rubber soles and reinforced rubber toe and heel cap, glued and blindstitched seams, and a non-corrosive #10 delrin heavy-duty zipper. Sizes run true to size.



\$39.95	37-5105	Size 5	37-5109	Size 9
	37-5106	Size 6	37-5110	Size 10
	37-5107	Size 7	37-5111	Size 11
	37-5108	Size 8	37-5112	Size 12
			37-5113	Size 13

## GUL TI-2 5MM STEAMER BOOTS

Purpose designed for windsurfing and kiteboarding. Thinner soles allow feel required for board sports, but they are still good for all-around use. Round toes and poly-twill foot tops are designed for use with footstraps.

Neoprene uppers are reinforced at heels and toes. Arch straps prevent ballooning and foot roll issues. Men's sizing runs large. Women should order 2 sizes smaller than normal shoe size.

\$45.00

38-5120-4	Size 4-5	38-5120-9	Size 9-10
38-5120-5	Size 5-6	38-5120-10	Size 10-11
38-5120-6	Size 6-7	38-5120-11	Size 11-12
38-5120-7	Size 7-8	38-5120-12	Size 12-13
38-5120-8	Size 8-9	38-5120-13	Size 13-14



## C-SKINS TI-2 5MM SPLIT TOE BOOTS

Purpose designed for surfing, but extra warmth and special design features are appreciated by many kite boarders and wind surfers. Split toe boot design, plus a unique "bio-tech" layered panel system combine to provide unequalled support and virtually no "foot roll." Raw cut upper edges facilitate easy entry and exit. Men's sizes run large. Women should order 2 sizes smaller than normal shoe size. Limited sizes available.

\$29.00 CLOSEOUT

37-5004	Size 4-5
37-5005	Size 5-6
37-5006	Size 6-7
37-5007	Size 7-8



## A-B. GUL 3MM PEAKED SURF CAP & HOOD

Gul's hood and cap are constructed of titanium-lined 3mm neoprene and feature a visor to deflect water from the face and provide shade. The cap has an integral chin strap.

<b>A. CAP</b>	\$24.95
36-5340-2	Small
36-5340-4	Medium
36-5340-7	Large

<b>B. HOOD WITH NECK COVER</b>	\$26.95
36-5352	Small
36-5354	Medium
36-5357	Large



## CHOOSING THE RIGHT BOOTS

First, it's all about "sole":

- Cat Sailors: Thicker and stiffer soles provide needed support.
- Paddlers: Thicker and stiffer are best for walking on rocks.
- Windsurf and Kite: Thinner is better for feel; round toes are less likely to catch on footstrap.
- Surf: Thinner sole with split toe permits most natural feel and balance.

Boot "uppers" are important, too:

- Cat: Reinforced toes for crawling, side zips for easy entry and exit.
- Paddle: Same as cat, but less critical.
- Windsurf and Kite: Tops should be suitable for footstraps, plus arch strap to prevent boots from ballooning with water.
- Surf: Issues are warmth, "ballooning" and toe (end/top) wear.

## GUL TI-2 3MM STRAPPED SLIPPERS

Purpose designed for windsurfing and kiteboarding. Thinner soles allow for board sports, but they are still good for all around use. Round toes and poly-twill foot tops are designed for use with footstraps. Neoprene uppers are reinforced at heels and toes and are ideal for crawling on catamaran tramps. Arch straps help hold slippers in place. Men's sizing runs a half size large. Women should order 2 sizes smaller than normal shoe size.

\$44.95

38-5130-5	Size 5-6	38-5130-9	Size 9-10
38-5130-6	Size 6-7	38-5130-10	Size 10-11
38-5130-7	Size 7-8	38-5130-11	Size 11-12
38-5130-8	Size 8-9	38-5130-12	Size 12-13



## GUL 3MM POWER SLIPPERS

Gul's Power Slippers provide economical foot protection at an affordable price. They have thin soles, round toes, and neoprene uppers that are reinforced at heels and toes. An adjustable cord at the foot top aids in keeping the slippers in place. Men's sizing runs a half size large. Women should order 2 sizes smaller than normal shoe size.

\$24.95

38-4105	Size 5-6	38-4110	Size 10-11
38-4106	Size 6-7	38-4111	Size 11-12
38-4107	Size 7-8	38-4112	Size 12-13
38-4108	Size 8-9	38-4113	Size 13-14
38-4109	Size 9-10		



## GUL PRO KNEE PADS

Protect your knees! Gul's black knee pads are constructed of 2mm double-lined neoprene with hard-wearing, flexible, textured, kevlar knee protection. Pair. Measurement is 2" above the knee. Size XL has extra-long straps.

\$39.95

34-4101	Small - Fits 15"-18"
34-4102	Medium - Fits 16"-19"
34-4103	Large - Fits 17"-20"
34-4104	X-Large - Fits 20"+

## WATER BLOCKER SOCKS

Features an in-cuff seal that effectively blocks water from entering over the top of the stock. Constructed of 3 materials in a seamless design. Wear with boots to keep your feet dry. Add wool or polyprop socks inside Water Blocker Socks to add warmth.

\$39.95

38-3201	Small - Fits Men's 5-6, Wms 6-7
38-3202	Medium - Fits Men's 6-7, Wms 8-10
38-3203	Large - Fits Men's 10-11, Wms 11+
38-3204	X-Large - Fits Men's 12-13

## RELATED ITEMS

Gloves	pg 13
Sailing Suits	8-9
Wetsuits	10-11





## HARKEN BLACK MAGIC™

### SAILING GLOVES

#### Catamaran & Dinghy

The superior grip of these gloves lets sailors hand hold sheets longer with less fatigue. The material doesn't curl back on fingers and it wears better than standard synthetic leathers, staying soft after drying. Flexible nylon/Spandex mesh back.

\$29.00

28-2385	X-Small	28-2388	Large
28-2386	Small	28-2389	X-Large
28-2387	Medium	28-2390	XX-Large



## GUL NEOPRENE SAILING GLOVES

### Catamaran & Dinghy

2mm neoprene backs with warmth-reflecting titanium interlining provide a smooth, comfortable fit and protection. Soft Amara palms are hardwearing and wrist straps are conveniently adjustable. Half fingers maintain excellent grip and dexterity; full fingers provide maximum warmth and protection.

#### GUL 1/2-FINGER \$34.95

15-7213	X-Small
15-7214	Small
15-7215	Medium
15-7216	Large
15-7217	X-Large



#### GUL FULL-FINGER "WINTER" \$45.00

15-6003	X-Small
15-6004	Small
15-6005	Medium
15-6006	Large
15-6007	X-Large



## GUL NEOPRENE DRY GLOVES

### All Watersports

Glued and taped seams and double-dry wrist seals mean you stay warm and dry. A removable, adjustable wrist strap provides added security. Polyurethane prints for better grip.

\$39.95

15-6274	Small
15-6275	Medium
15-6276	Large
15-6277	X-Large



## WARMERS NEO-MESH SAILING GLOVES

### Catamaran & Dinghy

These comfortable, flexible all-sport gloves feature backs of 2mm neoprene with lightweight mesh for comfort and ventilation. The palms and underside of the fingers are constructed of synthetic suede for good grip, with padding and quilting added on the palm for comfort and durability. An adjustable hook and loop fastener tab closure secures the gloves at the wrist.

#### WARMERS 1/2-FINGER \$22.95

15-2113	X-Small
15-2114	Small
15-2115	Medium
15-2116	Large
15-2117	X-Large
15-2118	XX-Large



#### WARMERS FULL-FINGER \$24.95

15-2003	X-Small
15-2004	Small
15-2005	Medium
15-2006	Large
15-2007	X-Large
15-2008	XX-Large



## GUL COLD WATER GLOVES

### All Watersports

For really cold winter days, these gloves provide the best combination of warmth, durability, dexterity and grip for windsurf, kite, waterski and wakeboard. Constructed of 3mm titanium-lined neoprene with hook and loop wrist strap, they have precurved fingers for less fatigue.

\$29.95

15-6114	Small
15-6115	Medium
15-6116	Large



## DA KINE COLD WATER NEO GLOVES

### Windsurfing, Kite & Paddling

Da Kine's neoprene gloves are designed to keep your hands warm and comfortable in cold weather. They feature an ultra-thin Toughtek® palm and pre-curved fingers for maximum dexterity.

\$30.00

32-1530	Small
32-1531	Medium
32-1532	Large
32-1533	X-Large



## RONSTAN "STICKY" RACE GLOVES

### Catamaran & Dinghy

Ronstan's "Sticky" gloves reduce fatigue by minimizing the physical effort required to hold rope. They are constructed of Amara® synthetic leather for maximum durability, minimum stretch and shrinkage, and are double-stitched with Aramid thread in high wear areas. Double-thick palm and fingers add protection and grip, while mesh panels ensure flexibility and comfort. Choose 1/2-Finger gloves for cool and comfortable dexterity; choose 3-Finger gloves for extra warmth and protection. Size XXS = ladies' small.

#### RONSTAN 1/2-FINGER \$31.95

21-4839	XX-Small
21-4840	X-Small
21-4841	Small
21-4842	Medium
21-4843	Large
21-4844	X-Large
21-4845	XX-Large



#### RONSTAN 3-FINGER \$36.50

21-4850	X-Small
21-4851	Small
21-4852	Medium
21-4853	Large
21-4854	X-Large
21-4855	XX-Large

## DA KINE HALF-FINGER GLOVES

### Kite, Windsurfing & Paddling

Da Kine's half finger gloves are extremely comfortable and flexible. The non-slip palm material offers protection and grip, while quick-dry Lycra backs offer flexibility and sun protection. These gloves feature a compression molded neoprene back panel and breathable mesh for maximum comfort. The half-finger design helps maintain dexterity. Gloves fasten with hook and loop closure.

\$27.00

32-1514	X-Small
32-1515	Small
32-1516	Medium
32-1517	Large
32-1518	X-Large



## DA KINE FULL-FINGER GLOVES

### Windsurfing & Kite

These gloves offer maximum protection and warmth. The non-slip palm material offers comfortable and durable protection and grip for maximum performance. A compression molded neoprene back panel and breathable mesh give maximum comfort. Gloves fasten with double wrap hook and loop closure.

\$30.00

32-1520	Small
32-1521	Medium
32-1522	Large
32-1523	X-Large



# FASTENERS

## SCREWS

Measurements shown are diameter and threads per inch times grip length. Self-tapping screws are measured diameter times length.

### MACHINE SCREWS

Round head. Stainless.

19-3500	#10-32 x 7/8"	\$ .40
19-3501	#10-32 x 1 1/2"	\$ .32
19-3510	#10-24 x 7/8"	
	Phillips	\$ .36
19-3511	#10-24 x 1"	
	Phillips	\$ .42
19-3520	#12-24 x 1-1/4"	\$1.10
19-3530	5/16"-18 x 1-1/4"	\$1.40
19-2912	#10-32 x 3/4"	\$ .34
19-2915	#10-32 x 1"	\$ .36

Flat head. Stainless unless noted.

19-1510	#6-32 x 1/2" Brass	\$ .14
19-1515	#8-32 x 3/8"	\$ .16
19-1516	#8-32 x 3/4"	\$ .25
19-1517	#8-32 x 1"	\$ .30
19-1518	#10-32 x 1"	\$ .50

Pan head. Stainless with Phillips head unless noted.

19-2905	#6-32 x 7/8"	
	Brass, Slot Head	\$ .50
19-2910	#10-32 x 5/8"	\$ .36
19-3010	#10-24 x 3/8"	\$ .24
19-3012	#10-24 x 1-1/8"	\$ .88
19-3011	#10-24 x 1-1/2"	\$ .50
19-2916	#10-32 x 7/8" Slot	\$ .35
19-2918	#10-32 x 2"	\$ .55
19-3019	1/4"-20 x 1 1/2"	\$ .60
19-3020	1/4"-20 x 7/8" Slot	\$ .70

### SELF-TAPPING SCREWS

Round head. Stainless.

19-3710	#10 x 1-1/4"	\$ .56
19-3711	#10 x 1-1/2"	\$ .52
19-3713	#10 x 2"	\$ .60
19-3714	#10 x 2-1/2"	\$ .85

Flat head. Stainless.

19-1620	#8 x 1"	\$ .34
19-1622	#8 x 1-1/2"	\$ .32
19-1624	#8 x 2"	\$ .38
19-1626	#10 x 1-1/2"	\$ .36
19-1625	#12 x 3/4"	\$ .40

Pan head. Stainless. Phillips.

19-1619	#8 x 1"	\$ .30
19-1623	#8 x 1-1/2"	\$ .35
19-3209	#10 x 1/2"	\$ .32
19-3210	#10 x 3/4"	\$ .30
19-3211	#10 x 1"	\$ .34
19-3220	#12 x 1"	\$ .46

Oval head. Stainless. Phillips.

19-3225	#10 x 3/4"	\$ .36
19-3230	#12 x 3/4"	\$ .42

## HEX NUTS

First number of measurement shown is diameter; second number is threads per inch.

### HEX NUTS

19-2010	#6-32 Brass	\$ .15
19-2016	#8-32 Stainless	\$ .16

### HEX NUTS WITH NYLOCK INSERT

Stainless hex nut with nylock insert will not rust or work loose if properly installed.

19-2510	#10-24 (thin)	\$ .40
19-2515	#10-32 (thick)	\$ .40
19-2516	1/4-20	\$ .45
19-2520	5/16-18	\$ .50
19-2522	8mm	\$ .60
19-2524	3/8-16	\$ .80
19-2531	1/2-13 (H-16 Pylon)	\$3.20

## BOLTS

Measurements shown are diameter in inches and threads per inch x length of shaft.

### STAINLESS BOLTS

19-2220	1/4-20 x 2" Hex Head	\$1.00
19-2221	1/4-20 x 2-1/4" Hex Head (P16/18 Rudder Bolt)	\$1.20
19-2222	1/4-20 x 2-1/2" Allen Head (Prindle Tiller Connector)	\$2.20
19-2224	1/4-20 x 3-1/2" Hex Head	\$2.15
19-2225	1/4-20 x 4" Hex Head (H-17/20, Nacra Mast Rotation Arm)	\$2.20
19-2226	1/4-20 x 5" Hex Head (H-18 Mast Rotation Arm)	\$2.70
19-2227	1/4-20 x 4-1/2" Hex Head (Mast Bolt for H-20)	\$2.30
19-2230	5/16-18 x 2-1/4" Hex Head	\$1.60
19-2231	5/16-18 x 2-1/2" Hex Head (Rudder Bolt—all Hobies®)	\$2.20
19-2232	5/16-18 x 3"	\$2.40
19-2235	5/16-18 x 3-3/4" Hex Head	\$2.60
19-2237	5/16-18 x 4-1/2" Hex Head (Prindle Mast Rotation Arm)	\$2.90
19-2210	8mm x 30 mm (1-1/8") Hex Head	\$1.80
19-2240	1/2-13 x 3-3/4" Hex Head (H-16 Pylon)	\$5.00
19-2239	3/8-16 x 2-1/2" Hex Head (Nacra/Prindle Crossbar)	\$2.30

### FLAT WASHERS

Stainless.

19-4016	1/4" Thin - 1/4" ID x 1/2" OD	\$1.10
19-4018	5/16" - 3/8" ID x 11/16" OD	\$ .20
19-4011	#10 - 3/16" ID x 9/16" OD	\$ .20
19-4014	#10 SAE	\$ .20

### CHANNEL INSERT

Use as a nut for mounting a cleat to mast luff track. Stainless. #10-32. 03-0190 \$2.00

## RIVET ID CODE

1st Letter = rivet material

A	= Aluminum
C	= Stainless Steel
M	= Monel
S	= Steel

2nd Letter = mandrel material

A	= Aluminum
C	= Stainless Steel
M	= Monel
S	= Steel

3rd Letter = head style

P	= Pan Head
C	= Countersunk

1st Number = Rivet diameter in 32nds of inch

2nd Number = Grip length in 16ths of inch; Maximum thickness of material for which the rivet is intended

### PAN HEAD RIVETS

Rounded.

19-5009	AAP 4-6	1/8" x 3/8"	\$ .18
19-5011	AAP 6-4	3/16" x 1/4"	\$ .24
19-5012	AAP 6-6	3/16" x 3/8"	\$ .25
19-5030	CCP 4-6	1/8" x 3/8"	\$ .50
19-5031	CCP 6-4	3/16" x 1/4"	\$ .70
19-5032	CCP 6-6	3/16" x 3/8"	\$ .75
19-5033	CCP 6-8	3/16" x 1/2"	\$ .75
19-5034	CCP 6-10	3/16" x 5/8"	\$ .85
19-5042	MMP 8-6	1/4" x 3/8"	\$1.50
19-5022	MCP 6-6	3/16" x 3/8"	\$ .65
19-5023	MSP 6-10	3/16" x 5/8"	\$ .65

### COUNTERSUNK RIVET

For traveler tracks, etc.

19-5021	CCC 6-4	3/16" x 1/4"	\$ .74
19-5024	CCC 6-6	3/16" x 3/8"	\$ .74

### CLEWBOARD RIVET

Aluminum. Set with hammer.

19-5005	A 4-6	1/8" x 3/8"	\$ .12
19-5006	A 6-6	3/16" x 3/8"	\$ .18

### STAR RIVET

As the aluminum is popped, it flares to provide a 3-point star backing that holds better in soft material. Uses include installation of footstraps on catamarans or eyestraps on kayaks.

19-5015	AAP 6-6	3/16" x 3/8"	\$1.00
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### RIVET CASING

Stainless casing prevents leaking through the center of rivet. Also used to replace rivets in worn, oversized holes, as in Hobie® castings and sidebars. For 3/16" diameter rivets up to 5/8" penetration. Requires 13/64" hole. Suggested for use with #19-5022 (MSP 6-6) rivets with steel mandrels because they pull tighter than rivets with stainless mandrels.

19-5020	\$ .70
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Factory replacement fasteners are also available.

## CINCH RINGS

Use shock cord seizing pliers for a smooth installation; standard pliers can give a suitable cinch.

### CINCH RINGS

Stainless steel. Each.

20-1030	3/16" (5mm)	\$ .14
20-1040	1/4" (6mm)	\$ .14
20-1050	5/16" (8mm)	\$ .14
20-1060	3/8" (10mm)	\$ .14

## SHOCK CORD PLIERS

For all cinch rings up to 1/2". Closes stainless cinch rings completely without burring. Made of plated, case-hardened steel. Spring grip.

33-0010	\$19.00
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## HAND RIVETER

This rugged and easy to use riveter includes four interchangeable nosepieces to set 3/32", 5/32" and 3/16" diameter rivets. It will even pull stainless rivets! Nosepieces screw into steel inserts. The molded grip gives extra-firm, no-slip control. Jaws are replaceable.

33-39000	HP-2 Hand Riveter	\$41.00
33-39123	Replacement Jaws, Pair	\$8.00

A standard 3/32" stop sleeve (#02-1031) can act as an extended nose on the hand riveter when installing countersunk rivets in Hobie® main and jib traveler tracks.

## HEAVY DUTY HAND RIVET TOOL

This rivet tool is large enough to do the job! Sets 1/8" - 1/4" diameter rivets in all materials. Can also set T-Rivet, Klik-Split®, Klik-Lock™, and all other structural blind rivets. Heavy-duty construction and longer handles permit access to hard-to-reach areas.

33-7903	\$89.95
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## RELATED ITEMS

Ball-Lok Pins .....	pg 31
Channel Inserts .....	pg 38
Clevis Pins & Retainers .....	31



## ROPE COLORS

Please note that all colors, especially tracers, are subject to change.

## SPOOLED ROPE

All rope and shock cord is sold per foot with no minimum length necessary. Unless otherwise noted, quantity spool prices start at 250 feet (76.2m). Smaller quantities will be spooled at our option or if requested.

Spool = \$1.50

## PRICES

If you find any of these ropes with a published price less than ours, we will match the price!



## ROPE CUTTING TOOL

Hand-held hot knife cuts and melts line in one operation.

On/off trigger is easy to use.

33-199A *Rope Cutting Gun with Blade* \$46.50

33-199B *Replacement Blade - 1/2" spacing* \$16.50

## ROPE SPLICING KIT

The only tool for splicing all kinds of rope. Made of highly polished stainless steel. Set of 4 fids (needles) splices 1/8" to 1/2" braid-on-braid. Set of 5 fids splices 1/8" to 9/16" braid-on-braid. Fids are also available individually.

33-0031 *Set of 4*

\$34.50

33-0032 *Set of 5*

\$51.00

33-0033 *1/8-1/4"*

\$6.60

33-0034 *1/4-5/16"*

\$7.80

33-0035 *5/16-3/8"*

\$9.60

33-0036 *3/8-1/2"*

\$13.20

33-0037 *1/2-9/16"*

\$17.60

## WAXED WHIPPING TWINE

This whipping twine by FSE Robline is made of colored polyester that is treated with a wax. Especially easy to handle! Sold per 90m (295ft) spool.

39-0008GR .08mm Green \$5.95

39-0008RD .08mm Red \$5.95

## A. 1/2" HOLLOW BRAID

This coreless line permits easy insertion of internal shock cord, so it is ideal for cat righting or reaching line and windsurfing uphauled. Black with blue tracer. Sold per foot.

39-0861 *1/2" (13mm)* \$ .95



## B-D. DACRON® SPUN BRAID

The low-stretch characteristics and soft, fuzzy surface of this splicable rope offer excellent grip and make it easy on the hands. 100% polyester braided core with a spun polyester braided cover.

Use 5/16" for jib and spinnaker sheet; use 3/8" or 7/16" for mainsheet. Per foot. Spool: 250' (76.2m).

39-0452BK *1/4" (6mm) Black* \$ .80

39-0551 *5/16" (8mm) White* \$ .80

39-0552BK *5/16" (8mm) Black* \$ .90

39-0552BL *5/16" (8mm) Blue* \$ .90

B. 39-0651 *3/8" (10mm) White* \$ .95

C. 39-0652BK *3/8" (10mm) Black* \$1.20

D. 39-0652BL *3/8" (10mm) Blue* \$1.20

39-0751 *7/16" (12mm) White* \$1.40

## E-G. RACING SHEET BY ROBLINE

FSE Robline's racing sheet is a composite single braid of Dyneema® SK 75 with nylon added to each strand. Dyneema® gives extreme abrasion-resistance and very low stretch, while nylon adds a nice feel and good handling properties. The unique braided construction makes the line stay round, even under extreme loads. Ideal for multi-part mainsheet systems, spinnaker sheets and control lines. Colors are blends with white. Sizes run about 15% oversize (e.g. marked 7mm=5/16"+; marked 9mm=3/8"+). Sold per foot. Spool: 656' (200m).

39-1105BL *5mm Blue* \$ .79

39-1106OR *6mm Orange* \$1.19

39-1107BL *7mm Blue* \$1.39

39-1107OR *7mm Orange* \$1.39

39-1108BL *8mm Blue* \$1.69

39-1108OR *8mm Orange* \$1.69

E. 39-1109BL *9mm Blue* \$1.99

F. 39-1109GR *9mm Gray* \$1.99

G. 39-1109OR *9mm Orange* \$1.99

39-1110GR *10mm Gray* \$2.29

## H-I. 8-STRAND LOW STRETCH

The result of design technology combining low-stretch, high strength and chafe resistance into one rope. Similar to Prestretched, but its softer, less textured finish means less friction in multi-purchase systems. Made in the USA. Sold per foot. Spool: 250' (76.2m).

39-2309BK *1/8" (3mm) Black* \$ .32

H. 39-2310 *5/32" (4mm) White* \$ .30

I. 39-2310BK *5/32" (4mm) Black* \$ .34

39-2311BK *3/16" (5mm) Black* \$ .42

39-2312 *1/4" (6mm) White* \$ .48

39-2312BK *1/4" (6mm) Black* \$ .60

## J. ROBLINE SUPER DOWNHAUL LINE

Specifically designed to handle the extreme high loads of large formula sailboat race sails. The unique construction keeps the rope round under extreme downhaul loads, so it holds extremely well in clam-style cleat bases. Smooth 12-plait construction and the slippery characteristics of 100% SK75 Dyneema fiber dramatically reduce friction in downhaul purchase systems. This line makes rigging easier and will last many seasons due to the incredible durability of Dyneema. Per foot. Spool length is 100m (328 ft).

39-1309 *9/64" (3.8mm)* \$1.20

## K-M. 8-PLAIT LOW-STRETCH

Polyester outer is a load-carrying, abrasion- and UV-resistant 8-plait weave; polyester core minimizes stretch and water absorption. This prestretched line works well in clam-style cleats and is ideal for high load applications such as halyards, outhauls, downhauls and control lines. Per foot. Spool: 328' (100m).

39-1409BL *5/32" (4mm) Blue* \$ .46

39-1409RD *5/32" (4mm) Red* \$ .46

K. 39-1410 *3/16" (5mm) White* \$ .48

L. 39-1410BL *3/16" (5mm) Blue* \$ .60

M. 39-1410RD *3/16" (5mm) Red* \$ .60

## N-O. SK75 DINGHY CONTROL LINE BY ROBLINE

A high-tech, small-boat racing line with a focus on keeping the weight down. The cover is high-tech Diolen PES that surrounds a core of Dyneema SK75 braid. For a better cover-core grip, the core is impregnated with FSE Robline's unique Single Yarn Impregnation System (S.Y.I.S.) coating technology. Because of this coating, the cover can be stripped off where needed to save weight and decrease the diameter. White with colored tracer. Per foot.

N. 39-2421YL *5mm Yellow* \$1.10

O. 39-2422BL *6mm Blue* \$1.45

## P. STANDARD POLY YACHT BRAID

A multipurpose Dacron line. Use for main and jib halyards or trampoline lacing. Shiny texture, double-braided, spliceable. No tracer. Per foot.

39-3141 *1/4" (6mm)* \$ .58

## Q-S. OCEAN 3000 BY ROBLINE

Single-braided Dyneema® SK-75 12-strand line with a high breaking strength, low weight, almost no stretch and a urethane coating for resistance to UV deterioration and abrasion. Kiteboarders use this as pre-lines. Also excellent for lacing cat tramps. Sold per foot. Spool: 656' (200m).

39-2328 *3/32" (2mm) Gray* \$ .40

39-2328BL *3/32" (2mm) Blue* \$ .40

39-2328RD *3/32" (2mm) Red* \$ .40

Q. 39-2329 *1/8" (3mm) Gray* \$ .65

R. 39-2329BL *1/8" (3mm) Blue* \$ .65

S. 39-2329RD *1/8" (3mm) Red* \$ .65

39-2331 *3/16" (5mm) Gray* \$1.06

39-2332 *1/4" (6mm) Gray* \$1.60

## T. DACRON® SOLID BRAID

Use for batten tie and roller furling systems. Batten tie= about 18" per batten. Sold per foot. Spool: 1000' (304.9m).

39-0221 *1/8" (3mm) White* \$1.14

## U. PREMIUM GRADE SHOCK CORD

This black shock cord is stiffer and its durable nylon cover may offer more UV-resistance than standard shock cord. Use 3/16" or 1/4" for trapeze shock cords; the 3/8" is best for tramp lacing. Sold per foot. Spool length: 1/8", 3/16" and 1/4" - 500' (152.4m) 5/16" and 3/8" - 300' (91.4m)

39-7291 *1/8" (3mm)* \$ .25

39-7391 *3/16" (5mm)* \$ .40

39-7491 *1/4" (6mm)* \$ .55

39-7591 *5/16" (8mm)* \$ .85

39-7691 *3/8" (10mm)* \$1.30



Use Liquid Rope Whipping for a quick and easy way to finish any rope end. Prevents unraveling and forms a permanent, clear flexible coating. 4 fl. oz.

40-8490 \$8.99

## RELATED ITEMS

Halyard & Downhaul Tools ... pg 16, 69



## WEST SYSTEM® CAT KEELS KIT

This convenient kit contains the materials, tools, and detailed instructions and re-fairing suggestions for rebuilding worn catamaran keels. Epoxy resin is more durable, less brittle, and easier to work with than polyester resin. Any leftover materials can be used for future repairs.

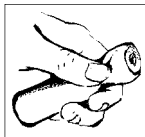
40-4105 \$99.95



## DING ALL EPOXY STIK

A specialty epoxy putty that mixes by hand kneading in just one minute for permanent repairs to damp, wet or dry areas. No measuring! Contains a fading blue dye and becomes white after mixing. It may be applied underwater in either fresh or salt water and will bond to substrates such as fiberglass, epoxy, wood, glass and metal. Will not yellow when exposed to sunlight. 30 minute cure time. 4 oz.

40-4010 \$8.50



## MARINE-TEX

A heavy-duty structural epoxy that simplifies the most difficult repair. This easy-to-use white putty can be molded to any shape. Bonds to wood, steel, aluminum, fiberglass and most plastics. Sands smooth as glass and can be drilled, threaded and painted. 2 oz.

40-1338 \$14.25



Shown with optional Mini Pumps.

## WEST SYSTEM EPOXY

For shops and/or bigger jobs and lamination work. The optional mini pumps screw onto the resin and hardener to make dispensing and 5:1 metering easy and automatic. Microlight filler (2 oz.) thickens resin and makes it into a less-dense putty form that is better for making certain repairs.

40-4103 Epoxy Quart with Hardener \$56.95

40-4104 Mini Pump Set \$12.95

40-4107 Microlight Filler \$14.95

## WEST SYSTEM® REPAIR PACKS

Small kit is great for ding repairs and includes two packets each of epoxy resin and hardener, plus filler and instructions. Use large kit for dings and delamination repair. It gives you three times as much resin, pre-loaded in a self-metering syringe, plus filler and disposable gloves.

40-4101 Small Repair Pack \$11.95

40-4102 Large Repair Pack \$29.95



## TORQUE DRIVER BY DA KINE

A comfortable "T" grip handle provides added torque to this handy tool which features forward, reverse and stationary locked ratcheting action. Includes #2 and #3 Phillips, #3 Posi-drive, slotted screwdriver, 8 and 10mm wrench and 3/32" hex driver.

32-3020 \$10.00

BOAT CARE PRODUCT RECOMMENDATIONS	
FIBERGLASS BOAT WITH GELCOAT RECONDITIONING	
To protect a non-oxidized surface	Use 3M Ultra Performance Paste Wax #40-9030
To remove light to medium oxidation and clean, polish and protect surface	Use 3M "One Step" Fiberglass Cleaner & Wax #40-9009
To remove heavy oxidation, chalking, fading, minor scratches, rust stains, plus protect surface	Use 3M Marine "One Step" Fiberglass Restorer & Wax #40-9005
For a light polish and a go-fast shine	Use Sailkote #40-0401
GENERAL PURPOSE BOAT CLEANING	
Light Duty: General Purpose Boat Cleaning To clean grime, dirt, etc. from hull, deck, and nonskid surfaces	Use a multi-purpose cleaner, following the manufacturer's recommendations and instructions
Medium Duty: To clean soiled sails and other marine fabrics	Use Starbrite Sail & Canvas Cleaner #40-9034
Heavy Duty: For all heavy duty applications, including those with grease	Use a heavy duty multi-purpose cleaner, following the manufacturer's recommendations and instructions
FOR THE REST OF YOUR BOAT	
To clean, recondition and restore dirty, dried-out or weathered vinyl tramps	Use 3M Marine Vinyl Cleaner/Restorer #40-9023
To protect boat covers	Use 303 High Tech Fabric Guard #40-6534

## 3M 5200 MARINE ADHESIVE SEALANT

The preferred choice for sealing masts. Goes on smoothly, won't sag, and remains workable for up to 4 hours. The seal is extremely strong and retains its strength above and below the waterline. Provides incredible adhesion, yet stays flexible after it's cured. Becomes tack-free in 48 hours; completely cures in 5 to 7 days with no shrinkage. Clean up with kerosene or mineral spirits. 3 oz. tube. White.

40-5203 \$12.95



## 3M MARINE SILICONE

A mildew resistant non-sagging, moisture-curing silicone rubber sealant. Remains flexible with excellent resistance to the marine environment. Adheres to bare and painted metal, fiberglass, glass, non-oily woods, many plastics and abraded rubber. Clear. 3 oz.

40-8019 \$10.95



## RONSTAN MULTI-TOOL

A screwdriver with two shackle sockets and wrench for #8, 10 and 1/4" nuts as well as metric nuts. 3/4"-thick plastic body provides better grip than flat stainless tools.

21-1320 \$14.25



## EASY RIGG™

Use less effort to rig with this downhaul tool, halyard tensioner and shackle tool. The ergonomic shape is easy to grip and pull and its long-wearing metal teeth grip 3/32" to 3/16" line. Assorted colors prevent loss. Display: 25/case.

01-0010 \$8.95



## ALUMINUM RIGGING TOOL

The strong one! Pull high-tension halyards downhauls, drum strings, and more! Features powerful, off-center pulling; line exits tool between first and second fingers. Tool grips 1/8" to 1/4" diameter lines.

54-0021 \$12.95



## MAXI RIGG™

Need a little help? Use for hand-holding spinnaker sheets or pull anchor lines up to 1/2" diameter with minimum strain on hands or grip. Hold and control spinnaker sheets. Unique safety swivel allows for easy and safe release of lines in case of sudden or too much pull. Hint: use two to pull anchor lines hand-over-hand. Assorted colors. Line size: 5/16" to 1/2".

01-0015 \$12.95





## 3M ONE-STEP FIBERGLASS CLEANER & WAX

Designed to remove light to medium oxidation clean, polish and protect fiberglass gelcoat and marine topside paints. Unique liquid formulation combines a compound with a special blend of waxes which restore shine and protect in on application. 16 fl. oz.

40-9009 \$19.95



## PLEXUS® PLASTIC CLEANER, PROTECTANT & POLISH

The most effective plastic cleaner, protectant and polish on the market. Leaves a shiny, brilliant and clear finish. Antistatic properties repel dust and lint. Plexus cleans clear plastic sail windows, polishes them to a shine, and leaves a micro-thin layer of wax for protection. No CFCs.

40-0503 .42 oz. \$3.95



## 3M ONE-STEP FIBERGLASS RESTORER & WAX

Designed to remove heavy oxidation, chalking, fading, minor scratches, rust and exhaust stains, plus provide protection on fiberglass/gelcoat and marine topside paints. Unique formulation combines a rubbing compound with a special blend of wax which restores shine and protects in one application. 16 fl. oz.

40-9005 \$20.95



## SAILKOTE BY MCLUBE

Specifically designed for marine use, Sailkote is the easy-to-apply, high performance dry lubricant that makes sails, hulls, rigging and anything that moves on your boat work more efficiently and last longer. Formulated with Dupont Krytox®, an environmentally-friendly, translucent liquid lubricant, it dries quickly to a hard, ultra-slick, hydrophobic dry coating. Because Sailkote is a dry lubricant, it will not attract dirt or contaminants and will not transfer to other surfaces. It is five times as effective, and lasts much longer than, wax, oil or Teflon® based lubricants. 16 oz.

40-0401 \$22.95

## 3M MARINE ULTRA PERFORMANCE PASTE WAX

Combines the durability of an acrylic with the soil release and water-beading properties of a fluoropolymer and silicone. Leaves a protective high gloss finish on fiberglass gelcoat and painted surfaces. Easy-on/easy-off formula leaves your boat with a long-lasting coat that retards UV damage. 9.5-oz. tub.

40-9030 \$27.95



## 303 AEROSPACE PROTECTANT

Maximum UV protection for vinyl, rubber, fiberglass, plastic, and Dacron and monofilm sails. Immediately restores original color and gloss to faded hulls and Dacron sails. Fiberglass stays showroom new with periodic spray-on/wipe-off applications every 45 to 60 days of exposure. Does not contain silicone oils or petroleum distillates. Non-aerosol.

40-0303 8 fl. oz. Pump \$7.95

40-0304 16 fl. oz. Trigger \$14.95

40-0305 Gallon \$64.95



## 3M MARINE VINYL CLEANER/RESTORER

Cleans, shines, conditions and protects in one easy step. Deep cleans dirt and grime from vinyl, rubber and plastic surfaces, while leaving behind a natural carnauba wax protective coating. 15 oz.

40-9023 \$16.95



## DIGITAL SAIL NUMBERS

Make any number and most letters from the digital number 8. Greatly simplifies dealer stocking and ordering! Black. 12" high.

10-2108BK \$2.00

## SAIL NUMBERS

Numbers are traced on self-adhesive Dacron cloth; you cut. Specify numbers (0-9) and quantity. Black, self-adhesive, Dacron insignia cloth is available in 44" width, per yard.

10-2810BK 18" Number Traced \$5.00

10-2000BK Dacron Cloth \$15.00

## HEAVY DUTY MYLAR PEEL & STICK SAIL REPAIR

This is the "big kit" that you asked for. Heavy duty, 3mil-thick mylar comes in a big 20" x 27" sheet. Material is stored and protected inside a clear 2-1/8" diameter tube with reusable caps. To use, be sure surface to be repaired is clean, dry and as smooth as possible. Cut strips of at least 2" wide by as long as needed. Apply one end and then unpeel-and-stick as you cover the area to be repaired. Repeat on other side.

10-3501 \$17.95



## FIBERGLASS STAIN REMOVER

This stain-absorbing gel removes oil, rust and stains, road soil on your boat or other fiberglass surfaces. Simply apply, wait a few minutes, then wipe off. It is non-abrasive and requires no sanding or compounding. Also removes rust stains from cloth. 16 oz.

07-0790 \$10.99



## WIN TAILS

Ripstop nylon trim indicators attach to the sail with 1" adhesive patches. You can see highly visible black ones through the sail!

10-1001 Orange 5 pair \$6.95

10-1002 Black 5 pair \$6.95

10-1004 Orange 50 pair \$49.00

10-1003 Black 50 pair \$49.00



## SAIL & CANVAS CLEANER

Starbrite's concentrated biodegradable formula safely cleans and brightens all types of white and colored sails/fabrics. The cleaner removes dirt, stains and mildew from sails, canvas and fabric. 16 oz.

40-9034 \$12.95

## DACRON SAIL REPAIR TAPE

Quickly mend tears in Dacron sails, covers, rain gear and seats. The heavy-duty, 3-oz. Dacron sailcloth makes long-lasting emergency repairs or provides effective reinforcement for worn areas.

Features quick marine adhesive backing; can be stitched for permanent repair. White tape is 3" x 15'.

10-3430 \$11.95



## SAIL/KITE REPAIR TAPE

Cut the needed amount off the 25-foot, 2"-wide roll and keep the rest handy for emergencies. The 3/4-oz. ripstop nylon is self-adhesive and easy to apply.

\$9.95

10-3400 White

10-3400-1 Black

10-3400-2 Light Blue

10-3400-3 Red

10-3400-4 Hot Pink

10-3400-6 Gold

10-3400-7 Green

10-3400-8 Dark Blue

10-3400-9 Silver

## TENACIOUS™ CLEAN TAPE™

This tape holds tenaciously!

The super-aggressive adhesive tape sticks to almost any surface, yet won't leave an ugly residue when removed. The non-gloss, matte finish is almost invisible, eliminating the need to match colors on fabrics. Ideal for patching holes and tears. 20" x 3".

10-3410 \$3.50



## TEAR-AID KITE REPAIR KITS

The "best" known kite bladder and canopy repair kit we're aware of. These clear repair tapes are sold by the foot; order 30 feet for a roll. To use, clean area to be repaired with alcohol, cut patch to size, then peel and stick.

10-3310 Kite Canopy (A)—2.5" wide \$5.95/ft

10-3300 Vinyl Bladder (B)—1.25" wide \$3.00/ft



## RELATED ITEMS

Boat Covers.....	pg 58
More Shackle Tools.....	26
Rigging Tape.....	53
Sail & Boom Bags.....	59
Wetsuit & Dry Suit Maintenance.....	7

# LIFE VESTS

## A-B. STOHLQUIST BETSEA AND DRIFTER LIFE VESTS

The BetSea for women and the men's Drifter vests are designed for sailors who trap-out. They are short cut and small so that they are not in the way as you move on the boat. "Stretchy" shoulders follow your movement without restriction. Both have Stohlquist's unique "cinch" cross chest strap that, once it is applied, draws the vest low and with a close fit without tightness. The "cinch" totally eliminates annoying ride-up and the rough treatment it can give your chin while you are hooked in, out on the wire. Finally, if you are forced to swim, the flotation rides lower on the torso to float you higher. Buoyancy: 16 lbs. 10 oz.



**Stohlquist**



**A**

*A vest designed for women!*



**B**

### A. BETSEA FOR WOMEN

BetSEA is the first truly anatomically correct ladies sailing vest. It has built-in cups that self adjust (via the "cinch") to fit sizes B to D.

\$109.95

35-5202-12	Small/Medium Powder Blue
35-5202-16	Small/Medium Yellow
35-5202-32	Large/X-Large Powder Blue
35-5202-36	Large/X-Large Yellow

#### STOHLQUIST SIZE CHART

Life Vest Size	Fits
Youth	50-90 lbs.
Small/Medium	33"-39" chest
Large/X-Large	40"-46" chest



### B. DRIFTER FOR MEN

\$109.95

35-5213-12	Small/Medium Royal
35-5213-16	Small/Medium Yellow
35-5213-32	Large/X-Large Royal
35-5213-36	Large/X-Large Yellow

### LIFE VEST CARE

When new, spray on a coat of 303 Protectant and let dry. After use in salt or unclear water, rinse and store out of the sun and in a cool, dry place. Maintain UV protection and rejuvenate color and suppleness with a periodic soak in a solution of water and 303 Protectant (page 17).



## C. STOHLQUIST ESCAPE

The Escape is an all-conditions vest for any boating activity. Its super-soft foam gives body-hugging comfort and a low-profile, sleek, contouring fit. The lengthened front torso provides fuller coverage and conventional fit and the fully adjustable sides and shoulders set proper placement on your torso. Adult sizes have 16 lb., 2 oz. buoyancy; youth size has 12 lb., 2 oz. buoyancy.

35-5228-02	Youth Royal	\$44.95
35-5228-06	Youth Yellow	\$44.95
35-5228-12	Small/Medium Royal	\$49.95
35-5228-16	Small/Medium Yellow	\$49.95
35-5228-32	Large/X-Large Royal	\$49.95



**C**

# SAFETY

## LIFESAVER #1™ SAFETY WHISTLE

Designed by search and rescue professionals, this is the world's most advanced safety and sport whistle! Constructed of ABS plastic, the multi-pitch whistle is hands-free and is great for sailing in rough seas or at night, skiing/snowboarding in trees, or dark parking lots and remote areas. Orange or black. 11-0120 \$5.95



## FOLDING ANCHOR KIT

The convenient 8"x18" zippered pouch holds a 3.5-lb. folding anchor with chain and 50 feet of polypropylene line. Clip the pouch in a convenient location or stow the kit in an access port. 01-6051 \$51.00



## TELESCOPIC PADDLE

Compact paddle power. T-Grip extends from 20" to 45". A perfect fit for a 6" Viking access port. Each. 01-1303 \$36.00

## FOLDING ANCHOR

Collapsible anchor is constructed of corrosion-resistant galvanized iron and conveniently fits through a 4" port hole. 3.5 lb. 24-2311 \$11.95



## NAVIGATION LIGHT SET

Waterproof plastic night lights with quick-release mounting brackets meet legal requirements. Port, starboard and stern lights attach to hulls, sidebars, boom or crossbar. Mount with screws (included). Each light needs two "C" cell batteries (not included). 24-7201 \$36.00



Great Texas '05 Photo: Sean Stevens



## TELO-CAT™ BRIDLE VANE

Designed especially for catamarans, the Telo-Cat is durable and highly visible. It installs on the headstay bridle in seconds and is easily removed for trailering with no tools required. It comes complete with 8" vane, adjustable tacking arms and mounting hardware to fit most catamarans. The Telo-Cat is made of high-impact plastic with a stainless steel shaft and tacking arms. Includes mounting instructions for H-14/16/18s, Nacra 5.2, and Prindles with a turnbuckle forestay adjuster. It will also fit other catamarans that utilize a forestay fitting similar to these boats. A stainless steel H-18 adapter is available separately.

- 08-1450 Telo-Cat Bridle Vane \$35.00
- 08-1451 H-18 Adapter \$11.00
- 08-1450A Replacement Vane \$8.00
- 08-1450D Mounting Bracket \$5.00
- 08-1450E Replacement Collar, Screw & Washer \$2.00



## WINDEX® 10.SPORT

For small boats and dinghies. Sapphire suspension bearing, 10" vane and adjustable tacking arms with tabs. Vane and tabs feature reflectors for high visibility day and night. Includes glass reinforced polycarbonate J-Base for side, top or front of mast mounting on most dinghies, smaller boats and sport boats. Stands just 9.25" tall and weighs 1.2 ounces.

- 08-3120 Winindex 10.Sport \$40.00
- 08-3121 Replacement Vane \$21.00

## HOBIE CAT® WIND INDICATOR

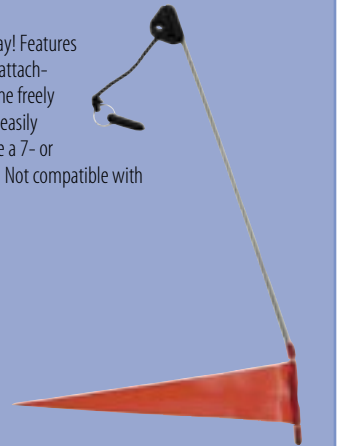
The most popular and versatile bridle vane in use today! Features snap-lock pin and wide indexing support for positive attachment to forestay adjuster. Durable, 7" mylar wind vane freely rotates on 12-1/2" long stainless rod. Wind indicator easily detaches with stainless pull ring. Fits all boats that use a 7- or 10-hole adjuster at the forestay-to-bridle connection. Not compatible with Hobie® roller furling drum.

- 04-7703 \$16.25



## REPLACEMENT VANE

- Includes vane only.
- 04-7704 \$7.50



Attached to boom



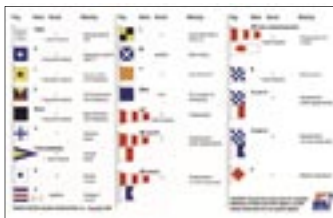
Attached to mast

## BLACK MAX™

A versatile, high performance wind direction indicator that attaches quickly to masts and booms on most small boats such as Lasers and Sunfish. Unique adjusting system fits masts or booms from 1.5" to 2.5". The tough, high-impact plastic vane is designed to withstand years of punishment and the abuse of small boat sailing. Features a durable stainless steel mounting arm and set screw and a tough plastic mounting base. Wind vane length is 8". Comes in its own unbreakable storage tube.

- 08-1295 \$26.00

# REGATTA



## SIGNAL STICKER

Race committee code flags on self-adhesive, waterproof vinyl. 5-1/2" x 8-1/2".

- 45-0101 \$3.00



## COURSE STICKER

Hobie's easy-to-read course chart sticker is self-adhesive vinyl.

- 45-1002 \$2.00

## RACING MARK

Large, 30" x 50" mark is very heavy duty, .030" white vinyl-polyethylene material with three heavy duty anchor points and a large capacity inflation valve. We suggest a counter weight of chain (not included) to keep mark upright.

- 30-1903 Large Racing Mark \$99.00
- 30-1901P Replacement Plug \$1.00
- 00-6051-1 Chain 3/16" per foot \$2.39



## RULES IN BRIEF

Simplified right-of-way rules on two sides of a waterproof card.

- 45-0100 \$4.00



## WIN TAILS

Ripstop nylon trim indicators attach to the sail with 1" adhesive patches. You can see highly visible black ones through the sail!

- 10-1001 Orange 5 pair \$6.95
- 10-1002 Black 5 pair \$6.95
- 10-1004 Orange 50 pair \$49.00
- 10-1003 Black 50 pair \$49.00



## RELATED ITEMS

- GPS Speedometer/VMG.....pg 4
- Windmeters..... 4

# HARKEN® MAINSHEET SYSTEMS

## HARKEN

### HARKEN MAINSHEET BLOCKS

#### LOW-PROFILE MAINSHEET BLOCKS

Developed by Harken®, these blocks optimize the limited space between the boom and main traveler. Almost all beach cats now use one of these low-profile systems. All systems include: 1) Ratchet systems that allow the crew to hold high line tension loads when line is not cleated; 2) Removable becketts to allow for attachment of spliced lines; 3) Adjustable cam arms to suit your sheeting angles; 4) Aluminum Cam-Matic® cleats; 5) Swivel shackles at top and bottom to permit blocks to turn toward crew and mainsheet tension.

#### CARBO SYSTEMS

57mm Carbo Blocks have an enormous working range and a very high strength-to-weight ratio. The Carbo Ratchamatic® is a load-sensing ratchet block that rolls freely in both directions under low loads and automatically engages the ratchet as loads increase. Changing gears between ratchet and light air modes is crisp and seamless. Unloaded mainsheets run like greased lightning during mark roundings. A simple twist of an Allen wrench adjusts the ratchet engagement to a higher or lower load to suit your strength or sailing style.

#### CRITERIA FOR SELECTING MAINSHEET BLOCKS

**Line size:** 2.25" and 57mm blocks use up to 3/8" line; 3.00" blocks use up to 7/16" line. Bigger is better for holding; smaller is better for reduced friction. For the best of both worlds, consider Robline Racing Sheet and/or a tapered sheet.

**Minimum Stacking Height (Block-to-Block Measurement):** 2.25" Classic and 57mm Carbo systems require about 9.0", while 3.00" Classic blocks require 11.0". Less length is better when space is limited, as on the Hobie® 16.

**Weight:** Less weight is better! The Carbo system at 25 oz. is 11% lighter than the 2.25" Classic System and 60% lighter than the 3.00" Classic system.

#### Strength (SWL = Safe Working Load):

Stronger is better! The weakest link of the 57mm Carbo System has SWL of 1800lbs vs 500lbs for 2.50" and 3.00" Classic Systems.

**Ratchet Engagement:** Classic blocks have Hexaratchet® with manual on/off activation, while Carbo blocks (except 10:1) have Ratchamatic®, which has an adjustable load-sensing activation mechanism. Automatic is almost always better, allowing load-released lines to play-out faster!

**Cost:** 57mm Carbo System is about 30% more than the 2.50" Classic system. Is it worth 30%? You have to try it!



28-0004

28-0194

#### 5:1 CLASSIC LOW-PROFILE MAINSHEET SYSTEM

##### 5:1 with 2.25" Blocks

28-0004	Double with Becket	\$81.00
28-0194	2.25" Base Block	\$185.00

#### CLASSIC MAINSHEET BLOCK REPLACEMENT PARTS

28-HSB41	Side Plates (pair)	\$11.00
28-HFS1	Screw for Side Plate (each)	\$.80
28-0072	3/16" Shackle (2.25" Blocks)	\$3.10
28-0138	1/4" Shackle (3.00" Blocks)	\$5.00
28-0137	Fairlead Strap	\$2.10
19-2918	Screw #10-32x2"	\$.55
19-2515	Nut #10-32 (Nylock/Thick)	\$.40

#### LINE SIZE TIPS

A bigger line size is easier to hold in heavy winds. A smaller line size runs through blocks more easily and is better for light wind sailing.



28-0153

28-0194

#### 6:1 CLASSIC LOW-PROFILE MAINSHEET SYSTEMS

##### 6:1 WITH 2.25" BLOCKS

28-0153	2.25" Triple Block	\$119.95
28-0194	2.25" Base Block	\$185.00

#### BLOCK HANGER

Use to hang a block from your boom.  
21-0180 \$5.60



28-2604

28-2629

#### 6:1 CARBO LOW-PROFILE MAINSHEET SYSTEM

##### 57mm BLOCKS WITH RATCHAMATIC BASE

These Carbo AirBlocks® have enormous working range, with a higher working load than standard blocks, even though they are lighter in weight!

28-2604	Triple with Swivel	\$105.00
28-2629	Carbo Ratchamatic 57mm Base Block 6:1	\$221.00

#### 40MM CARBO BLOCK 90° FIXED

Hang on the becket of any of the Harken® 6:1 base blocks to upgrade to a 7:1 system. Single/fixed block is 2-1/2" long and can accommodate 3/8" maximum line diameter. Each.  
28-2659 \$26.20



#### FACTORY STOCK LENGTHS & ROPE DIAMETERS

Lengths

See "Line Size Tips" for recommendations regarding line diameter choices.

Ratio	Generic	H-14	H-16	H-17	H-17 Sport	H-18	H-20	H-21	H-21 Sport Cruiser	Nacra & Prindle All Models
4:1	36'	36' of 3/8"								
5:1	40'	42' of 3/8"	42' of 3/8"							
6:1	44'		46' of 3/8"	46' of 3/8"	46' of 3/8"					40' of 7/16" Mainsheet & 10' of 5/16" Main Traveler Control
7:1	48'					48' of 3/8" or 7/16"	41' of 3/8"		66' of 7/8" or 7/16"	40' of 7/16" Mainsheet & 10' of 5/16" Main Traveler Control
8:1	52'							68' of 7/16"		
9:1	56'									

\* Line diameter depends on block size; see line size tips for recommendations.



# MAINSHEET BLOCKS & ACCESSORIES



28-2620-7

## 7:1 CARBO LOW-PROFILE MAINSHEET SYSTEM

### 57mm BLOCKS WITH RATCHAMATIC BASE

These Carbo AirBlocks® have enormous working range, with a higher working load than standard blocks, even though they are lighter in weight!

28-2605 57mm Carbo Triple with Swivel & Becket \$108.40

28-2620-7 Carbo Ratchamatic 57mm Base Block 7:1 \$260.00



## SPINLOCK® CAM CLEAT

Twice as easy to release as a conventional cam cleat when under extreme load. Built-in adapter plate with screws and nylock nuts makes for easy replacement of old cleat. Same hole spacing as Harken 150. Use 5/16" to 7/16" line; if line slips, use a line with a firmer core. SWL 440 lbs.

27-4001 \$48.00



Hobie Tiger Worlds 2005, Santa Barbara, CA



28-2632

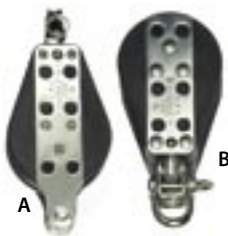
## 8:1 CARBO LOW-PROFILE MAINSHEET SYSTEM

### 57mm BLOCKS WITH RATCHAMATIC BASE

These Carbo AirBlocks® have enormous working range, with a higher working load than standard blocks, even though they are lighter in weight!

28-2631 57mm Carbo Quad with Swivel \$130.65

28-2632 Carbo Ratchamatic 57mm Base Block 8:1 \$265.00



## A-B. HARKEN 2.25" BLOCKS

Harken double, triple and quad blocks include heavy duty shackle for boom connection, and head post receptor to fit Hexa-Cat base.

28-0001 Single \$34.20

A. 28-0002 Single with Becket \$43.70

B. 28-0003\* Double \$71.85

28-0004\* Double with Becket \$81.00

\*Turn into a swiveling block with the addition of a #28-HSB63 swivel.

## SWIVEL FOR HARKEN BLOCKS

Replace shackle on top of any non-swiveling Harken block with this swivel so the boom block can stay aligned with the base block. Often requested by Nacra 6.0 sailors.

28-HSB63 \$24.00



56-9953

## 10:1 CARBO LOW-PROFILE MAINSHEET SYSTEM

### 57mm BLOCKS WITH RATCHET BASE

Light weight, low profile and very strong, these Carbo AirBlocks® have enormous working range, with a higher working load than standard blocks, even though they are lighter in weight. The base block has an on-off ratchet and will roll freely in both directions when disengaged, such as in light air. Engage the ratchet in heavy air when you need the mechanical advantage of the ratchet. The 57mm ratchet sheave offers 10:1 holding power, making it easier to handhold in heavy air. Safe working load is 1800 pounds; breaking strength is 4500 pounds.

56-9955 57mm Carbo 5-Sheave with Swivel \$175.00

56-9953 Carbo Ratchamatic 57mm Base Block 10:1 \$265.00

**TIP** For optimal performance, lube locks periodically with McLube Marine Dry Lubricant, #40-0401. See page 17 for more information.



## RELATED ITEMS

Blocks.....	pg 25-26
Cam-Matic Cleats.....	29
Oxen Blocks.....	24
Rope.....	15



## C-D. QUICK RELEASE OPTIONS FOR BOOM BLOCKS

01-3233 3/16" Quick Release Shackle for 2.25" Blocks \$26.00

C. 01-3232 1/4" Quick Release Shackle for 3" Blocks \$27.50

D. 22-4501 1/4" Snap Shackle with Tack Shackle \$39.00

## E-F. QUICK RELEASE OPTIONS FOR HARKEN BASE BLOCKS

E. 01-3232 1/4" Quick Release Shackle for H-18, Nacra, Prindle \$27.50

F. 22-4501 1/4" Snap Shackle with Tack Shackle for H-18, Nacra, Prindle (tack shackle does swivel) \$39.00

18-3M075L Quick Release Pin with Lanyard for H-14/16/17 \$24.00



Shown assembled

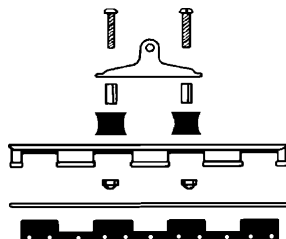
## G-H. HARKEN SWIVEL WITH TURNING BLOCK

A mainsheet swivel block for Laser (does not fit Laser 2), Sunfish, Capri and other dinghies. Hexaratchet handles up to 3/8" line.

G. 28-0019 Single Little Hexaratchet—3/8" line \$57.20

H. 28-0205 Little Swivel Base with Cam-Matic (no ratchet)—1/8"—1/2" line \$98.30





## TRACKER REPLACEMENT PARTS — 1993 & EARLIER H-14/16/17

The standard replacement parts for all 1993 and earlier H-14/16/17s. Includes 2-3 rivets where required.

- 07-1050 Tracker Car Assembly Complete \$73.00
- 07-1051 Deck Plate \$7.30
- 07-1059 Sheave Kit (1 each: sheave, spacer, screw, nylock nut) \$7.50
- 07-1054 Hinge Upright \$15.25
- 07-1055 Hinge Pin \$2.50
- 07-1060 Bottom Roller \$45.00

The last digits of the number inscribed on the transoms of a Hobie® indicate the month and year of manufacture.

## TRAVELER CAR — 1994 & LATER H-14/16/17

The tracker car on 1994 and later H-14/16/17s offers superior strength and free movement. It has higher load axles with thick brass wheels for ease of traveler movement. A new, deeper traveler track that is riveted on is required to retrofit boats made in 1993 or earlier. Includes 2-3 rivets where required.

- 07-0111 Heavy Duty Tracker Car Assembly Complete H-14/16/17 \$79.00
- 07-0112 Roller Unit Only \$56.00
- 50-50252021 Main Traveler Track with Deep Profile H-17; you cut to fit H-14/16 \$101.25
- 19-5021 Rivet for Traveler Track Installation—each \$.74

To properly maintain hardware, rinse frequently with fresh water and lubricate moving surfaces with Sailkote (#40-0401).



## A. HARKEN TRAVELER CAR

Harken ball bearing traveler with fixed sheaves and eye strap will fit most late model Nacra catamarans. #28-0214 and #28-0441 have SWL of 1250 lbs. Replacement bearings come in packages of 21, #28-0214 and #28-0441 require 64 balls. A car loader is needed to load bearings on pre-2003 cars!

- A. 28-0214 Extra Hi-Load Traveler Car Pre-2003 \$175.00
- 28-0441 Traveler Car with Swivel Cam H-17S/20/21 \$239.80
- 28-0177 Replacement Bearings (21) \$10.00
- 28-HS88 Car Loader \$12.50
- 28-0173 End Stop—Pair \$6.00
- 28-HS878 Trav. Car End Plates (pair) \$15.00
- 28-2720 Repl. Main Traveler Track 99" (H-17/20, Nacras & Others) Post-2002 \$105.00
- 28-2736 New (post-2002) Traveler Car with Captive Bearings \$159.75 (New car works with new track only)
- 19-1622 Screw Stainless #8 x 1-1/2" \$.32



## H-14/16/17 TRACKER TRAVELER KIT

Includes #07-1050 tracker car, swivel cam, mounting plate, line and fasteners. Standard on pre-1994 H-14/16/17.

- 07-1040 \$135.00



## PRINDLE® TRAVELER

Standard equipment on new Prindle® cats. Four durable plastic rollers ride smoothly on Prindle® traveler tracks. Two cylindrical sheaves reduce traveler control line friction.

- 56-3010 \$58.00

## JIB TRAVELER CONTROL KITS FOR H-16

A jib traveler system allows remote adjustment of the jib cars. This dramatically increases downwind speed and may help avoid a pitchpole caused by your crew moving leeward to make an adjustment by hand. Each of the following kits is complete with cleats, turning blocks, line, shock cord, fasteners and instructions. Photos show recommended cleat locations, but cleats can be positioned to meet your individual needs.



## H-16 JIB SHEET & TRAVELER CONTROL UPGRADE

Designed as an upgrade for H-16 with swivel cam cleats jib sheet system. Replace old Hobie® traveler cars with new Ronstan® traveler cars and the existing cam cleats become part of the jib traveler control system. A detailed photo of Ronstan Jib Traveler Car #01-3130 is on page 23. Kit also includes Harken cheek blocks, jib traveler control lines, shock cord to self-return jib cars to center, fasteners and instructions.

- 01-3120 Complete Kit (less swivel 360 cleats & bases) \$175.00
- 25-3010 Swivel 360 Cleat—each (if needed) \$53.00
- 07-1162 Base with Fasteners for Swivel 360 cleat—each \$8.40



## H-16 FIXED-CAM TRAVELER CONTROL

Low profile, lightweight and rugged with plenty of range. May be the best value remote positioning traveler control kit! Molded urethane mounting bases fit crossbar and accommodate Ronstan C-cleats with Fast Track fairleads which are very sturdy and provide a wide range of cleating angles. Includes Ronstan C-cleats with fairlead, mounting base, trim line, shock cord return, fasteners and instructions. Tren Tec jib traveler cars not included (see page 23).

- 01-3112 \$120.00



Photo: John Healey



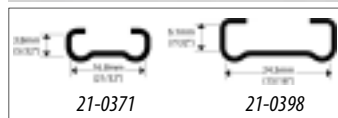
# JIB SHEETING COMPONENTS



## HARKEN® LITTLE HEXARATCHET

A smaller Harken on/off Hexaratchet with 2.25" sheave, Delrin® ball bearings, becket and aluminum Cam-Matic cleat. The Hexaratchet is ideal for hand-held jib sheeting and long jib sheet life. #28-0188 is the standard equipment jib block on Nacras, Prindles and later Hobie® 18s. #28-0186 is the economy model without ratchet. 7/16" line capacity. Each.

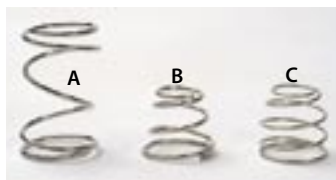
28-0188	Little Hexaratchet	\$130.75
28-0186	Same Less Ratchet	\$109.80



## LOOP SLIDES AND STOPS

Traveler car with spring-loaded stop pin and eyestay. 21-0371 for 5/8" track fits Hobie®. 21-0398 is for 7/8" track and fits P-18.2, P-19 and post-March 1989 Nacra 5.0, 5.5SL, 5.7, 5.8 and 6.0.

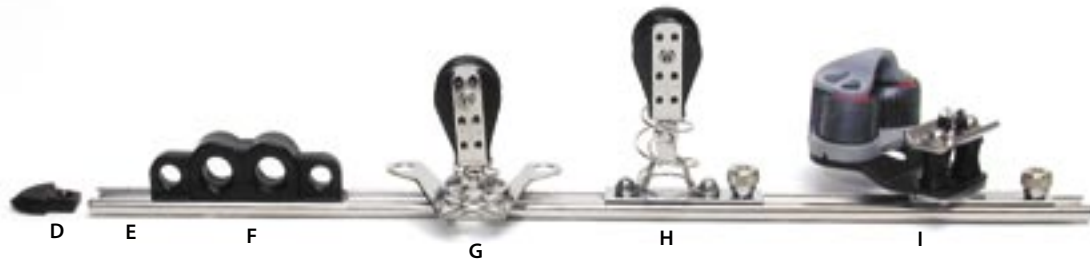
21-0371	For 5/8" Track	\$23.50
21-0398	For 7/8" Track	\$27.00



## A-C. SPRINGS & SHACKLES

Harken is a universal spring. Soft conical spring is used for bullet blocks; medium is for jib blocks.

A. 28-0071	Harken Stand-Up Spring	\$1.50
B. 21-0319	Stand-Up Spring (Conical - Soft) for Harken Bullet Block (eg. H-16 Jib Traveler Car, Hobie® Spinnaker Pole Blocks)	\$2.00
C. 21-0320	Stand-Up Spring (Conical - Medium) for Oxen Blocks, OK Car, etc.	\$2.00
28-0072	Harken 3/16" Stamped Shackle	\$3.10



## D-E. H-16/18 JIB TRACK

Stainless jib tracks are 5/8". An end stop can be fastened with a #19-1620 screw or #19-5021 countersunk rivet. Use six #19-5021 rivets to fasten 18" track.

D. 21-0366	Track End Stop	\$2.25
E. 21-0363	Jib Track 5/8" x 18"	\$15.00
19-1620	#8 x 1 Flathead Self-Tapping Machine Screw	\$.34
19-5021	CCC 6-4 Rivet	\$.74
19-5031	CCP 6-4 Rivet	\$.70
21-0364	Jib Track Section 5/8" x 5'	\$50.00

## F. JIB TRAVELER CARS FOR H-16

Black plastic cars have four holes and slide freely in the track. Low profile shape saves needed space when mast is raked to the extreme. #12-3021 is the only car that fits Hobie's integrated jib track which is extruded into the crossbar, as opposed to the external track which is riveted to the crossbar (standard on pre-1997 H-16). Pair. By Tren Tec.

12-3020	For 1996 and Earlier H-16 with External Track	\$18.00
12-3021	For 1997 or Later H-16 with Integrated Jib Track	\$18.00

## G. KISME OK FOR H-16

05-0410	OK with Harken block—Pair	\$49.00
05-0400	OK car only—Each	\$8.00

## H. JIB TRAVELER CAR

25-0267	Jib Traveler Car with Block for H-16—Each	\$44.00
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## I. LOW PROFILE SWIVEL WITH ROLLER FAIRLEAD

This is a must have item when rebuilding your older boat. Swiveling dead eye with cam cleat and black acetel dead eye and fairlead. Includes car with stop. Pair.

I. 01-3130	Complete with Roller Fairlead	\$130.00
50-25231011	For Integrated Jib Track Port	\$68.00
50-25232011	For Integrated Jib Track Starboard	\$68.00

**TIP**

Check the integrity of the rivets or screws that hold down the track (especially Hobie® 16 jib track). Replace loose fasteners before they pull out and ruin your day! When replacing rivets, check for oversize holes. In some cases, a rivet casing can be used to shim a standard size rivet to an oversize hole.



## JIB TRAVELER CARS FOR H-16 WITH INTEGRATED TRACK

Hobie's jib traveler car for the integrated track crossbar on the Hobie 16 adds bearings to the popular version from the 2004 Worlds. Standard equipment since late 2005, this jib traveler is constructed of Zytel, a very strong, glass-reinforced nylon that resists fatigue and impact failure. Brass traveler bearings give easier movement under load. Includes holes for anchoring traveler and traveler return lines. Each.

50-25232201	For Integrated Jib Track Port	\$120.00
50-25232211	For Integrated Jib Track Starboard	\$120.00

## RELATED ITEMS

Blocks.....	pg 25
Gloves.....	13
Oxen Blocks.....	24
Rope.....	15

# JIB HALYARDS & KITS



## J. JIB HALYARD ROPE WITH SISTER CLIPS

Little Sister Clips are a quick on/off halyard extension system. They speed the untie and retie process so that a minimum amount of sail snapping occurs while you cleat up.

04-7732	H-18/20	\$16.25
J. 04-7734	Prindle	\$21.00



## H-16 AUSSIE JIB HALYARD

Reduce mast compression by 66%! It allows easier tacking, better mast rotation and consistent mast bend! Use with existing lower forestay assembly. The "fail-safe" pigtail keeps block failure from resulting in de-masting. A similar system is stock on new H-16s. Complete kit includes everything you need: hardware with all Harken blocks, 70' of prestretched line, zippered pouch and instructions. Racing class legal.

01-3302	Kit	\$110.00
02-3300-00	Pigtail Only	\$22.50



# RATCHET BLOCKS

## OXEN SELF-HOLDING BLOCKS

Oxen self-holding blocks offer a real advantage over blocks with cleats! Get fast, simple mainsheet (and jibsheet) control: just pull-to-cleat, then pull-to-release! Cleat or uncleat your jib or mainsheet every time without looking and from any position. Cleat from any angle or position on the boat, including the wings, even if your sheet passes over something en route. Line size: 5/16" to 3/8". Oxen blocks are easy to install and foolproof to use. Expensive, but the best is rarely cheap!

For a complete set of Oxen blocks with cars, order two each of the following: appropriate cars to fit your boat's track, stand-up springs, shackles, cars and blocks.

### OXEN SELF-HOLDING JIB/SPINNAKER BLOCK

The ultimate high tech, self-holding jib block. Optional Becket Kit converts #05-0761 to #05-0762.

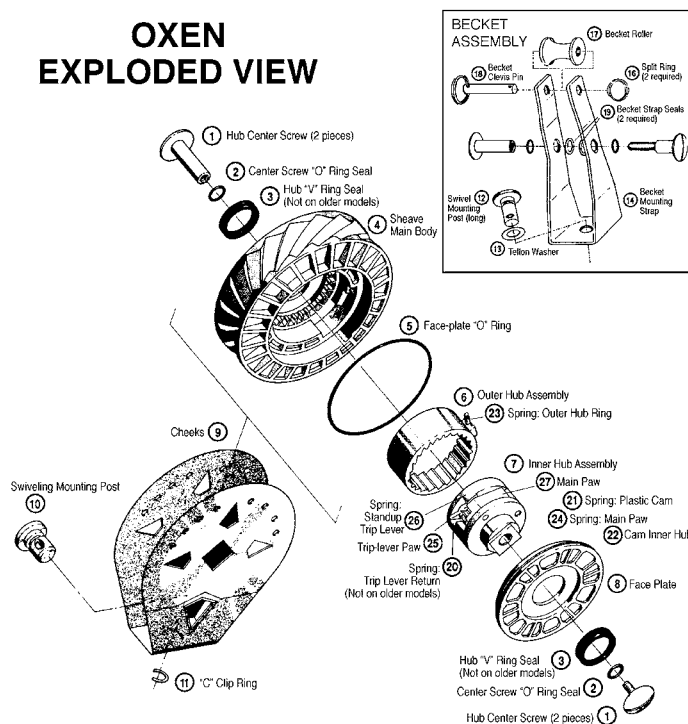
05-0761 3" Block with Pin \$189.00  
05-0766 Becket Kit \$60.00

### OXEN SELF-HOLDING JIB BLOCK WITH BECKET

For serious crews of cats without jib traveler cars, including P-16, N-5.5, and H-20. 3" sheave with pin and becket. No exterior cleats. Each.

05-0762 3" Block with Pin & Becket \$229.00

## OXEN EXPLODED VIEW



## OXEN REPLACEMENT PARTS

# on Diagram	Item #	Description	Price
1	05-0761-01	Hub Center Screw (2 pieces)	\$22.50
2	05-0761-02	Center Screw "O" Ring Seal	\$7.75
3	05-0761-03	Hub "V" Ring Seal	\$7.00
4	05-0761-04	Sheave Main Body	\$40.00
5	05-0761-05	Face Plate "O" Ring	\$3.00
6	05-0761-06	Outer Hub Assembly	\$25.00
7	05-0761-07	Inner Hub Assembly	\$75.00
8	05-0761-08	Face Plate	\$18.00
9	05-0761-09	Cheeks	\$45.00
10	05-0761-10	Swiveling Mounting Post Short	\$7.00
11	05-0761-11	"C" Clip Ring	\$1.00
13	05-0761-13	Teflon Washer	\$7.75
14	05-0761-14	Becket Mounting Strap	\$45.00
16	22-9492	Split Ring 3/16-1/4	\$3.35
17	05-0761-17	Becket Roller	\$10.00
18	05-0761-18	Becket Clevis Pin	\$5.00
19	05-0761-19	Becket Strap Seal	\$5.50
20	05-0761-20	Spring: Trip-Lever Return	\$2.00
21	05-0761-21	Spring: Plastic Cam	\$2.00
22	05-0761-22	Spring: Main Paw	\$2.00
23	05-0761-23	Spring: Outer Hub Ring	\$2.00
24	05-0761-24	Cam Inner Hub	\$12.00
25	05-0761-25	Trip-Lever Paw (plastic)	\$11.00
26	05-0761-26	Spring: Standup Trip Lever	\$2.00
27	05-0761-27	Main Paw	\$14.00
-	05-0761-00	Sheave Self-Locking (Complete Inner Assembly less V Ring Seals and Hub Center Screws)	\$150.00
-		Labor (includes disassembly, cleaning, lubricating and reassembly)	\$50.00

Replacement parts and rebuilding service are available for all Oxen products.



## A-B. HEXARATCHET® BLOCKS

For hand-held spinnaker or small dinghy sheets. Hexaratchet® offers increased holding power without fraying the line.

A. 28-0009 3" Single Hexaratchet® #750 SWL 7/16" line \$66.50  
B. 28-0019 2.25" Single Little Hexaratchet® #500 SWL 3/8" line \$57.20

## C. SMART-RATCHET BY RONSTAN

With up to 14:1 holding power, Ronstan's Smart-Ratchet automatically engages depending on the line load, giving you precise control in changing conditions. It is load adjustable by simply rotating the head post. Ideal for spinnaker, jib and mainsheet applications on off-the-beach boats. Maximum line size 5/16"; SWL 550 lbs. 21-4210 \$61.00

## 57MM SINGLE CARBO RATCHAMATIC

Under low loads, this lightweight, high-strength 2-1/4" ratchet block rolls freely in both directions like a non-ratcheting block, but automatically engages the ratchet mechanism as loads increase, giving sailors an additional holding power of 10:1. 28-2625 500 SWL 3/8" line \$76.75



## REBUILDING OXEN BLOCKS

Murrays is a complete repair facility for Oxen (aka IFL, Ochsen, Ocean) blocks. Just send us your block and we will rebuild it for an average cost of \$50.00 plus parts and shipping. Some individuals have had success repairing their own blocks, but we have had many blocks sent to us in pieces when others have failed. We regret that our technician is not available to answer rebuilding questions. This information is provided so that you can make an informed decision about the repair of your blocks.

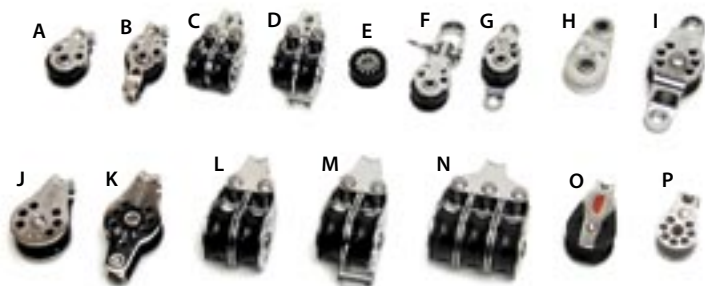
Unfortunately, not all Oxen blocks were created equal. There have been three generations of the Inner Hub Assembly and other differences in model construction. Also, a trained technician is needed to properly adjust the spring tension which is critical and unique to each block. In addition, the wear surfaces must be within 10/1000" or there will be too much wobble and the block won't work or will soon fail.

### Older Versions of the Oxen Block:

- Do not contain the "V" Ring Seals (#3) which keep water out of the unit. These blocks depend on a large amount of grease to keep water out. Needless to say, water gets in and corrosion takes place, especially on the springs which are not stainless steel.
- Cannot be retrofitted with "V" Ring Seals because the Face Plate and Main Body Sheave will not accommodate seals.
- Are lacking the Spring for the Trip Lever Paw. There is no spring and there is not even a place to put a spring. However, Murrays has constructed a special jig to update the core to accommodate the spring and we'll be happy to retrofit your Oxen block.
- Have different springs, depending on which model you have. Unfortunately, it is impossible to determine over the phone which spring you need. Just send it to us and we'll take care of it!
- Can be upgraded to be comparable to a new Oxen block, but it is necessary to replace some or all of these parts, depending on the vintage of your block:

- 1 Trip Lever Return Spring (#20)
  - 1 Face Plate (#8) to accommodate the "V" Ring Seal
  - 1 Main Body Sheave (#4) to accommodate the "V" Ring Seal
  - 2 Hub "V" Ring Seals (#3)
- Other springs and "O" Rings as needed





## A-F. HARKEN AIR BLOCK™

Offers a very high load in an extremely light-weight block. The block itself is only 1-1/8" long. 5/8" sheave will accept line as large as 7/32". 250 lb. SWL.

A. 28-0404	Single	\$10.50
B. 28-0405	Single with Becket	\$12.00
C. 28-0406	Double	\$21.80
D. 28-0407	Double with Becket	\$23.85
E. 28-0415	Sheave Only	\$7.35
F. 28-0417	Single with Swivel	\$18.90

## G-I. CHEEK BLOCKS

Downhaul and turning blocks.

G. 28-0416	Cheek 16mm	\$12.15
H. 21-0661	Ronstan Midget (H18, Prindle)	\$8.70
I. 28-0233	Harken Micro Cheek	\$11.90

## RELATED ITEMS

Harken Mainsheet Systems ....	pg 20-21
Replacement Cleats.....	29
Rope.....	15

## J-N. HARKEN MICROS

Ball bearing blocks with stainless side plates. 1/4" line. SWL: Singles 200 lbs., Doubles 350 lb., Triples 500 lbs.

J. 28-0224	Single	\$8.80
K. 28-0225	Single with Becket	\$10.15
L. 28-0226	Double	\$22.10
M. 28-0227	Double with Becket	\$23.85
N. 28-0228	Triple	\$31.60
28-0231	Triple with Becket & Cleat	\$70.45

## O. RONSTAN SINGLE MICRO

Single block has loop head and SWL of 550 lbs. Stainless steel ball bearings. 1/4" (6mm) line max.

21-2011	\$10.75
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## P. SINGLE MICRO BLOCK

Used on some Hobie jib halyards.

27-0153	\$7.00
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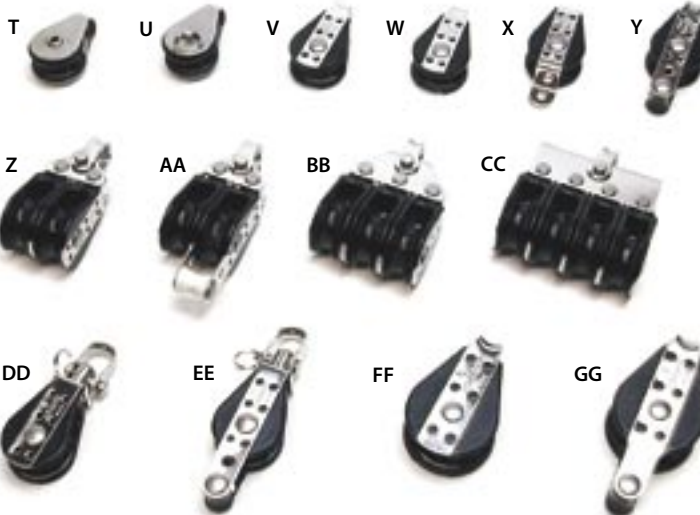
## Q-S. 29mm HARKEN CARBO BLOCKS

Q. 28-0348	29mm Carbo Single Fixed	\$10.75
R. 28-0351	29mm Carbo Ti-Lite— Repl for Harken 82 & 125	\$17.05
S. 28-0371	29mm Carbo Jib Clew Block Assembly	\$22.75

## 40mm HARKEN CARBO BLOCK

Hang on the becket of any of the Harken® 6:1 base blocks to upgrade to a 7:1 system. Single/fixed block is 2-1/2" long and can accommodate 3/8" maximum line diameter. Each.

28-2650	\$19.20
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## T-U. SMALL BULLET BLOCKS

1-3/16" sheave diameter. Delrin bearing. 3/8" line capacity.

T. 23-0911	Small Bullet Block	\$6.50
U. 23-0912	Small Bullet Block with Removable Sheave	\$6.75

## V-EE. HARKEN BULLETS

1-1/8" sheave diameter. Delrin ball bearings. 5/16" line capacity. Maximum safe working load (SWL): Singles 300 lbs., Doubles 400 lbs., Triple and Quad 600 lbs.

V. 28-0082	Single	\$10.80
W. 28-0098	Single (Wire)	\$14.15
X. 28-0092	Cheek	\$13.15

Y. 28-0083	Single with Becket	\$12.85
Z. 28-0084	Double	\$29.30
AA. 28-0085	Double with Becket	\$31.45
BB. 28-0086	Triple	\$40.80
CC. 28-0087	Quad	\$85.00
DD. 28-0166	Single with Swivel	\$19.05
EE. 28-0167	Single with Swivel & Becket	\$21.20

## FF-GG. HARKEN BIG BULLET

1-1/2" sheave diameter. 3/8" line (7/16" in a squeeze) 300 lb. SWL.

FF. 28-0125	Single	\$19.55
GG. 28-0126	Single with Becket	\$21.85
28-0169	Single with Swivel & Becket	\$28.65



## HH. LOOP TOP SINGLE BLOCK

Used on older Prindle trapeze return shock cord. For up to 1/4" line. SWL: 660 lbs. Wt. .5 oz.

21-0571	\$8.50
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## II. RONSTAN SINGLE BLOCK

Replacement jib clew block for Hobies. Light-weight stainless block with ferrule has 1-1/8" x 5/8" sheave diameter, Delrin bearing and 1/2" line capacity. SWL: 950 lbs.

21-0469	\$12.80
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## JJ. H-16 DOWNHAUL CHEEK BLOCK

The plastic sheave degrades and breaks on older H-16 downhaul cheek blocks and the entire block must be replaced. To install, use four #19-5031 rivets and four #19-5020 sealing casings.

25-3340	\$12.50
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## KK. WIRE JIB HALYARD BLOCK

For H-16/18. Sheave diameter is 1-1/2".

50-20240001	\$45.00
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## LL-NN. SMALL FIDDLE BLOCKS

Use: Boom vang, righting aids. 1/4" line capacity. For 3:1 or 4:1 systems, as noted. #21-0186 and #21-0188 are by Ronstan; SWL 660 lbs. #28-0245 is by Harken; SWL 350 lbs.

LL. 21-0188	Single with Becket (3:1)	\$13.70
MM. 21-0186	Small Double Fiddle Block (4:1)	\$24.75
NN. 28-0245	Fiddle with V-Jam & Becket (4:1)	\$28.15



## OO-PP. MEDIUM FIDDLE BLOCKS

The price is right! Use: Boom vang, righting aids. 3/16" to 3/8" line.

OO. 25-3901	Fiddle with Swivel 4:1	\$24.00
PP. 25-3902	Fiddle with Cleat & Becket 4:1	\$56.00



# DOWNHAULS



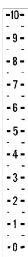
## A-M. CATAMARAN DOWNHAUL COMPONENTS

For the racer... ultimate control of sail shape and power. Convenient "up-release" exit pivot blocks can be mounted on either side of the mast. Dual control lines allow downhaul adjustment from all normal sailing positions, even from the wings! Allow time for installation and correct alignment of parts. Also allow an extra few minutes for rigging and de-rigging. Recommended for A-fleet and soon-to-be's! Pick and choose components as needed. Check your Class rules regarding system limitations for racing.

A. 28-0291	Harken Exit Pivot with Micro Cam-Matic	\$59.75
B. 28-0140	Harken Exit Pivot with Cam-Matic	\$83.30
C. 28-0359	Cat Quick Rig 4:1 Downhaul Block	\$137.50
D. 28-0224	Harken Micro Single Block	\$8.80
E. 28-0225	Harken Micro Single Block w/Becket	\$10.15
F. 28-0226	Harken Micro Double Block	\$22.10
G. 28-0228	Harken Micro Triple Block	\$31.60
H. 28-0087	Harken Bullet Quad Block	\$85.00
I. 28-0233	Harken Micro Cheek Block	\$11.90
J. 27-0236	CamCleat with Top Roller	\$17.75
K. 03-0190	Channel Insert 10-32	\$2.00
L. 19-3500	RMHS #10-32 x 7/8	\$.40
M. 27-0199	Rope End Stop	\$2.10
19-5020	Rivet Casing	\$.70

## DOWNHAUL SCALE

Handy self-stick scale takes the guesswork out of setting the downhaul. 10" in 1/2" increments. Can also be used as an outhaul scale.



07-2082 \$2.50

## H-14/16 GOOSENECK BEARING KIT

This simple kit is the easiest and least expensive way to get more from your downhaul system. Downhaul adjustment becomes smooth and easy. Kit contains two gooseneck bearings with connecting screws. By Tren Tec.

12-2050 \$7.75



## ALL-PURPOSE TOOL

Stainless tool is a wrench that fits nuts for 1/4" and 5/16" bolts. It's also a cam remover, screwdriver, bottle opener and shackle tool. Helps with shackle pins and drain plugs.

01-0005 \$6.95



## CAT KEY SHACKLE TOOL

A screwdriver, bottle opener, shackle tool and open-end wrench for nuts that fit 1/4", 5/16" and 3/8" bolts. Aids in getting pins out of shackles and loosening drain plugs. Stainless tool comes with lanyard.

01-0006 \$7.95



## N-Q. FACTORY GOOSENECK PARTS FOR H-14/16/18

Replacement parts from the Hobie® factory.

N. 50-10770001	Gooseneck Assembly Complete	\$54.00
O. 50-10772001	Slide	\$15.15
P. 50-50772031	Vertex	\$7.90
Q. 50-10772010	Boom Pin with Roll Pin	\$15.50

## SUPER GOOSE FOR H-14/16/17/18/20/21

Guaranteed for the life of your boat! This upgraded gooseneck is constructed from a solid block of 6061-T6 aluminum and then finished with a coat of black hardkote anodizing. By Tren Tec.

Not compatible with older H-17 model.  
12-4060 \$21.00



## DOWNHAULS

The downhaul is the most important tuning tool on the boat. According to Rick White; "Because downhaul is such an important factor in flattening your sail or making it full, it is extremely important to be able to make this adjustment during races... Use as much as is allowed and make it as easy as possible to adjust."



## 8:1 DOWNHAUL KIT WITH QUAD

All ball bearing Harken blocks and cleats make this system powerful and smooth. The base unit rivets to the mast and the quad block hangs from the downhaul ring using a 3/16" twisted D shackle. Shackle has a 1/2"-wide throat and a reach of 7/8". The base unit includes two pivot blocks with cam cleats that allow adjustment from anywhere on the trampoline or trapeze.

01-4522 \$265.00



## H-14/16 6:1 DOWNHAUL

Class legal, complete 6:1 kit comes with either Harken Carbo or lighter, less expensive micro triple block and triple with cleat. Includes class-approved attachment for base of mast, all hardware and line. Use with gooseneck bearing kit #12-2050.

07-2089 With Carbo Blocks \$135.00

07-2089-1 Euro: With Micro Blocks \$120.00



## H-14/16 3:1 DOWNHAUL

This class legal 3:1 downhaul kit for H-14/16 includes Harken® bullet block with becket and swivel, and 6 feet of 3/16" low-stretch, 8-strand line.

01-1028 \$24.95



## 8:1 DOWNHAUL KIT WITH DOUBLE BLOCKS

This kit is the same as #01-4522, but two double blocks replace the quad at the top for use when physical restrictions limit the use of a quad.

07-2088 \$215.00

## H-18 5:1 POWER DOWNHAUL

Powerful downhaul adjustment from any sailing position. Class legal 5:1 downhaul kit for H-18 includes a space-saving bracket with becket, two Harken bullet cheek blocks, Harken pivoting exit block with micro cleat, Harken double bullet block, trim line, fasteners and instructions. Easy to install! No holes to drill.

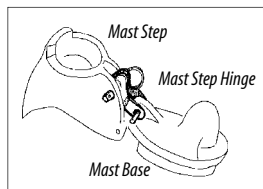
07-2087 \$145.00



## RELATED ITEMS

Blocks.....	pg 24
Gloves.....	13
Rope.....	15
Spinlock® Blocks.....	29





## A. MAST BASE ASSEMBLY PARTS FOR HOBIES

The mast step hinge aids in raising and lowering the mast and is standard equipment on most Hobies and an upgrade on older boats. Complete hinge assembly includes special pins with retainers to prevent loss. Heavy duty hinge (as shown) requires complete removal before sailing.

A. 01-3021	H-14/16 Complete Hinge Assembly	\$25.00
25-3360	Hinge Only—No Pins	\$14.00
50-21380001	H-14/16 Mast Step Link Kit	\$20.00
18-4D125	Ball Lok Pin Detent 1/4" x 1-1/4"	\$8.00
22-9811	Clevis Pin Headless 3/16" x 1-1/2" H-16	\$3.50
50-20640011	Mast Base Black H-16	\$47.30
50-20200011	Mast Step Black H-16 & H-14 Drilled for Dolphin Striker Post	\$82.00
50-60650011	Mast Base Hinge Black H18	\$36.00
50-38171001	H-20 Wave Mast Step	\$32.00

To avoid breaking the mast hinge on a Hobie® 18, check proper alignment of holes to allow correct seating of hinge to mast base. It's a good idea to keep a spare mast hinge on hand just in case!

## B-D. PRINDLE MAST STEP REPLACEMENT PARTS

B. 56-F128	Mast Step Pin	\$6.00
C. 56-2007	Prindle Half Ball	\$16.00
56-2006	Prindle-15/16/18 Mast Step Casting	\$56.00
56-6005	Prindle-16 Mast Base Casting	\$35.00
56-6805	Prindle-18 Mast Base Casting	\$32.00
D. 56-6815	Prindle Mast Hinge	\$10.50
56-6905	Prindle-18.2/19 Mast Base Casting	\$25.00

## RELATED ITEMS

Clevis Pins	pg 31
Gloves	13
Rigging	50-52
Rope	15
Rudder Pins	32
Zip Pouches	58



## MAST STEP BEARINGS E-F. FOR H-14/16

The contoured Delrin® bearing outlasts Teflon® bearing. Teflon bearing forms to mast base with first use. Standard bearings are .06" thick.

E. 07-1130	Delrin Bearing	\$5.05
F. 01-2041	Teflon Standard 3/Pkg	\$4.50
01-2042	Teflon Standard 100/Pkg	\$125.00

## G. FOR H-18

H-18 Bearing Kit includes a new bearing, stainless steel washer, and Teflon washer.

G. 01-4045	H-18 Bearing Kit	\$8.50
19-3020	1/4-20x7/8" Stainless Pan Head Machine Screw (for pre-1990 boats)	\$7.00
19-3019	1/4-20x1/2" Stainless Pan Head Machine Screw (for post-1990 boats)	\$6.00
22-9815	Clevis Pin Headless 1/4" x 3-3/8"	\$4.00
50-60110000	Bearing Only	\$5.75

## H-I. FOR OTHER HOBIES

H. 50-50212301	H-17/Wave Mast Ball (can be glued for Trac 16)	\$21.00
I. 50-30110001	H20/21/Getaway Mast Ball	\$23.50
50-70110001	Tiger Mast Ball Metric	\$25.50

## FOR OTHER CATS

56-2007	Prindle Half Ball	\$16.00
56-2504	Nacra 1-1/2" post-'83	\$14.00
56-F158	Mast Step Pin for H-17/20 & Nacra	\$5.00

## NACRA®/INTER MAST STEP SYSTEM

The components listed below comprise Nacra's mast stepping system and can be used to retrofit a pre-'83 model Nacra. The mast base engages the 1-1/2" diameter mast ball and is secured by a 1/4" x 2" headless clevis pin to allow the mast to be safely raised or lowered. The stainless mast support rod is 9/16"-18 x 14-3/4" and requires two nuts and washers. Complete kit includes split rings and rivets.

01-8002 Complete Kit \$99.00

## Individual Parts

56-6605	Mast Base Casting	\$31.00
56-6605CAR	Mast Base Carbon (for Carbon Mast) for Inter 17/18 (upgrade) or Inter20	\$112.50
56-F158	Mast Step Pin	\$5.00
56-0428	Rod with nuts & washers	\$50.00
56-2507	Mast Support Rod only	\$42.00
56-2505	Mast Support Pad	\$12.00
56-2506	Compression Sleeve	\$6.00

## Mast Balls

56-2504	1-1/2" post-'83	\$14.00
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Older 1-1/4" mast balls are no longer available. If a new ball is needed, you must upgrade the entire system to accommodate the new 1-1/2" balls.



## J-M. DRAIN PLUGS

All drain plugs include gasket except #27-2064 Laser Bayonet Plug. Each.

J. 01-0052	Universal Plug—Fits all Hobies®, Nacras, Prindles	\$3.25
K. 50-91281000	Wave/Older H-20	\$4.50
L. 27-2067	Laser/Mystere Plug without Base	\$3.00
M. 27-2064	Laser Bayonet Plug	\$2.10



## N-P. DRAIN PLUGS WITH BASES

The molded recess in the base traps the sealant in place, providing a more watertight seal. Lightweight and inexpensive. Gasket included. Each.

N. 01-0051	Plug with Molded Nylon Base	\$3.50
O. 21-0737	Plug with Stainless Housing	\$9.65
P. 27-2066	Laser Plug with Base	\$3.50

## Q. PINS & RINGS KITS

Have you ever spent the whole day sifting through the sand, looking for that lost split ring?

Be prepared with this handy assortment of the most commonly lost or bent shackle and clevis pins with split rings for the standing rig and mast stepping systems. All kits include mast hinge pin(s), clevis pin assortment, split ring assortment, and replacement shackle pin(s).

Q. 01-3031	H-14/16	17 pieces	\$14.00
01-3522	H-17/20	20 pieces	\$20.00
01-4031	H-18	15 pieces	\$15.00
01-8031	Nacra	18 pieces	\$17.50
01-5031	Prindle	13 pieces	\$16.50



## R. SPARES & REPAIR KITS

Why lose a weekend of sailing due to a missing part? Stored in a 5" x 12" zippered pouch, this kit contains the most frequently lost and needed items. Includes shackle tool, two drain plugs with gaskets, aluminum rudder pins, clevis pins and rings kit, 3/16" bow shackle, 1/4" bow shackle, and batten tie strings. The H-14/16 kit also includes 3 mast bearings. Pouch comes in assorted colors.

S. 01-3221	H-14/16	\$60.00
01-4221	H-18	\$60.00
01-8221	Nacra®	\$62.00
01-5221	Prindle®	\$62.00

## FACTORY REPLACEMENT PARTS

Don't see what you need? We maintain a stock of many factory replacement parts for Hobies, Nacras and Prindles that are not listed in this catalog and we are happy to special order items that we do not have in stock. Used parts such as sails, crossbars, hulls, etc. are sometimes available.

Please be aware that Sol Cats are no longer being manufactured and new replacement parts specific to that catamaran are not available. Used parts are frequently available.

## MAST ROTATION CONTROL ARM

For Hobies®, Nacras and Prindles.

Stainless, strong and smooth!

Arm with 5/16" holes is for Prindles.

25-3040	Arm with 1/4" Holes	\$33.80
25-3041	Arm with 5/16" Holes	\$38.80
19-2225	Bolt: 1/4-20x4" H-17, 20, Nacras	\$2.20
19-2226	Bolt: 1/4-20x5" H-17, 18	\$2.70
19-2237	Bolt: 5/16-18x4.5" Prindle	\$2.90
19-2516	Nut: 1/4-20	\$4.50
19-2520	Nut: 5/16-18	\$5.00

# SWIVEL CLEATS & BASES



## A-C. SWIVEL 360 CLEATS

Swivel cam cleats are ideal for main traveler control and up-release jib cleating systems. Use a "heavy duty" swivel for spinnaker sheet control or H-20 main traveler control. Cam cleats and fairleads should be selected on the basis of need. Order plastic base pads and fasteners separately. Small Ronstan swivel features small C-cleat with fast track fairlead and bull's-eye fairlead. Line size: 1/8"-5/16".

A. 25-3020	Heavy Duty Swivel, Aluminum Cam-Matic® Cleat, Roller Fairlead	\$70.00
25-3014	Swivel, Aluminum Cam-Matic® Cleat, Bull's-eye	\$62.50
B. 25-3010	Swivel, Carbo-Cam™ Cleat, Bull's-eye	\$53.00
25-3012	Heavy Duty Swivel, No Cleat, No Bull's-eye	\$22.00
C. 21-0067	Ronstan Small Swivel 360	\$51.00
21-0058	Ronstan Large Swivel 360	\$58.80

## PLASTIC BASE PADS

Use a base pad to mount a cleat on a surface which is not flat, such as a crossbar. Swivels mount on 3-hole plastic base pads. Select bases that are appropriate for the installation. Use flat base pad (#25-3001) to mount swivel cam to flat decks, elliptical pad (#01-0109) for Hobie® (except for H-20) or Prindle crossbars, or round pad (#01-8014) for Nacra and H-20 crossbars.

## D. OFFSET BASE PAD KIT

Offset base fits Hobie® and Prindle elliptical crossbars. Includes base and fasteners.

07-1162	Complete Kit	\$8.40
19-1620	Self-Tapping Screw (order 3)	\$3.4
19-1516	Machine Screw (order 1)	\$2.5
19-1016	Nut (order 1)	\$1.6



## E-F. CONTOURED BASES 2" ROUND

Polyurethane bases provide flat mounting surfaces for mast rotation control cleats, barberhauler cleats, or H-16 jib trim cleats. Use to mount Harken Micro Cleat (#28-0279), small Ronstan C-Cleat (#21-5000), or Ronstan Small or Large Swivel 360 Cleats (#21-0067 or #21-0058). Each base can be port or starboard, depending on how cleats are installed. #10 FHSMS is an appropriate length. Bases are 2" in diameter.

E. 01-8014	Fits H-20 or Nacra Round Crossbar	\$4.00
F. 01-0109	Fits Hobie® or Prindle Elliptical Crossbar	\$5.50

## G-H. BASE KITS FOR SWIVEL 360 CLEATS

For Harken®, Hobie® or Murray 360 cleats without swivel base adapters. Kits include one 3-hole base, one swivel base adapter (#25-3001), plus three #10 FHSMS (#19-1626). Ronstan swivel 360 cleats include swivel base adapters, so this kit is not necessary.

G. 01-0110	Kit fits Hobie® or Prindle Elliptical Crossbar	\$9.50
01-8013	Kit fits H-20 or Nacra Round Crossbar	\$8.00
H. 25-3001	Swivel Base Adapter	\$3.00
19-1626	Replacement Screw: #10 x 1.5" FHSMS	\$3.36



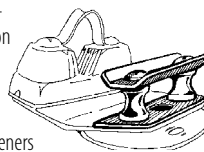
# FAIRLEADS & SHEAVES



## ROLLER FAIRLEAD

Retrofit bull's-eye fairleads on swivel cams with low friction roller fairleads! Fasteners included.

25-3002	Complete Kit	\$13.50
00-3002-4	Replacement Plastic Roller	\$2.25
00-3002-3	Replacement Stainless Bushing	\$1.40
19-2915	Replacement Screw—each	\$3.6



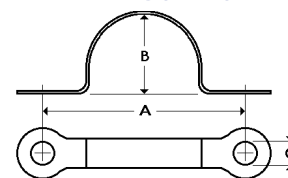
## J. BULL'S-EYE FAIRLEAD

Stainless ferrule eliminates grooving. Line capacity: 7/16". Mounts with two screws (order separately).

J. 25-0323	Bull's-eye with Ferrule	\$6.00
19-2915	Screw #10-32x1"	\$3.6



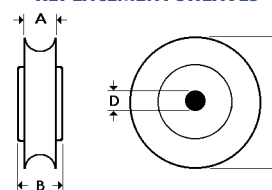
## FAIRLEAD STRAPS



Item #	Description	A	B	C	Price
25-0338	Mini	1" (25mm)	1/4" (6mm)	3/16" (5mm)	\$1.25
28-0281	Micro	1-1/16" (27mm)	3/8" (10mm)	5/32" (4mm)	\$1.25
23-0921	Small	1-1/4" (31.4mm)	1/2" (12.7mm)	3/16" (5mm)	\$1.60
25-1065	Large	1-7/16" (36.5mm)	5/8" (16mm)	3/16" (5mm)	\$2.00
28-0137	Harken®	1-1/2" (38.1mm)	3/4" (19mm)	1/4" (6mm)	\$2.10
21-0499*	Ronstan	1-1/8" (28.6mm)	3/8" (9.5mm) ferrule	5/32" (4mm)	\$4.00

\*Eyestraps with Ferrule Eye

## REPLACEMENT SHEAVES



Item # / Description	A	B	C	D	Price
21-0251 Mast Head N-5.5/5.8/6.0, Prindle 16, Sol-18	3/8" (10mm)	3/8" (10mm)	1-1/2" (38mm)	1/4" (6mm)	\$3.75
28-0160 Replacement Harken® Ball Bearing H-17/20	15/32" (12mm)	17/32" (14mm)	1-3/16" (30mm)	1/4" (6mm)	\$8.15
50-60620000 Mast Head/Base H-18	3/8" (10mm)	3/8" (10mm)	1" (25mm)	1/4" (6mm)	\$6.00
21-1741 Prindle Rudder (upper upgrade)	1/4" (6mm)	1/4" (6mm)	3/4" (19mm)	1/4" (6mm)	\$2.50
56-4009 Prindle Rudder (upper)	1/4" (6mm)	1/4" (6mm)	1/2" (13mm)	1/4" (6mm)	\$3.30
56-6503 Mast Head N-5.0/5.2/5.7	1/2" (12mm)	1/2" (13mm)	1-3/4" (44mm)	9/32" (7mm)	\$4.00
56-6804 Mast Head & Base P-18/18.2/19, Nacra	3/8" (10mm)	13/32" (11mm)	1-1/8" (28mm)	1/4" (6mm)	\$3.55
28-0415 Ball Bearing Sheave for 16mm Air Block	5/16" (8mm)	5/16" (8mm)	5/8" (16mm)	3/16" (5mm)	\$7.35
50-20614210 Comp-Tip Mast Head Sheave	9/16"	5/8" (16mm)	2-1/4" (57mm)	3/8" (10mm)	\$5.50



## A-K. HARKEN® CAM-MATIC® CLEATS AND FAIRLEADS

Cam-Matic® ball bearing cam cleats engage and release easily, hold securely, and work with a wide range of line types and sizes. Cam teeth are smooth to protect line and because tooth grip is not required to close the pawls. Multiple rows of UV-stabilized, Delrin® ball bearings provide minimal friction for easy line engagement and release, even under high loads. The easy entry system allows line to engage without being drawn through the cam; just pull the line straight down and the cam opens and holds perfectly. A fairlead allows the cleat to be used when lines enter or leave the cam at unfair angles. Fairleads are constructed of fiber-reinforced plastic and/or stainless steel.



### MICRO CAM-MATIC CLEATS & ACCESSORIES

Aluminum: 1/8" to 1/4" line; SWL 200 lbs.  
Carbo-Cam: 1/8" to 1/4" line; SWL 150 lbs.  
Fastener: #8 (4mm) with 1-1/2" spacing.

28-0338	Aluminum Micro Cam-Matic	\$24.60
G. 28-0423	Micro Carbo-Cam	\$21.80
H. 28-0329	Fairlead	\$10.00
I. 28-0281	Eyestrapp	\$1.25
J. 28-0284	Wire Fairlead	\$5.20
K. 28-0424	Flairlead	\$4.25
19-1622	Screw #8 x 1-1/2" for Micros (need 2)	\$3.32
28-HSB243	Bearing 1/8" Delrin for Micro Cam-Matic #338 (need 48/cam)	

### STANDARD CAM-MATIC CLEATS & ACCESSORIES

Aluminum: 1/8" to 1/2" line; SWL: 300 lbs.  
Carbo-Cam: 1/8" to 3/8" line; SWL: 200 lbs.  
Fastener: #10 (5mm) with 1-1/2" spacing.

A. 28-0150	Aluminum Cam-Matic Cleat	\$32.45
B. 28-0365	Carbo-Cam Cleat	\$23.70
C. 28-0328	Fairlead	\$11.35
D. 28-0375	X-Treme Angle Fairlead	\$13.50
E. 28-0137	Eyestrapp	\$2.10
F. 28-0425	Flairlead	\$4.65
19-2918	Screw #10-32 x 2" Phillips Head for #150 & 365 Cleats (need 2)	\$5.55
28-0145	Cam 15° Wedge Kit	\$4.50
28-HSB14	Bearing for Standard Cam-Matic: Aluminum #150 order 66; Carbo #365 order 46	\$1.70
28-0056	Cam Spring	\$2.75

To properly maintain hardware, rinse frequently with fresh water and lubricate moving surfaces with Sailkote (#40-0401).



## I-J. RONSTAN CLEATS

Ronstan's carbon V-cleats are strong, lightweight and inexpensive. They serve the same function as Clamcleats®, but the carbon construction makes them lighter and less expensive. Use 3/16" counter-sunk rivet or #8 screw. Maximum working load is 440 lbs.

I. 21-5100	V-Cleat Open 1/8"-1/4"	\$5.25
J. 21-5101	V-Cleat Fairlead 1/8"-1/4"	\$5.75

## K-P. CLAMCLEAT® ROPE CLEATS

Replace old, worn-out outhaul and downhaul Clamcleats®. Aluminum cleats are stronger than nylon and have increased wear resistance; nylon cleats are less expensive. Easy to mount. #254 line capacity 5/32"-5/16"; #253 line capacity is 1/4"; #209 line capacity is 3/16"-5/16"; #702 and #236 line capacity is 1/8"-1/4".

K. 27-0209	Clamcleat Midi— No Roller: Nylon	\$4.95
L. 27-0254	Clamcleat Racing Midi: Aluminum	\$13.60
M. 27-0702	Clamcleat— No Roller: Aluminum	\$13.80
N. 27-0236	Clamcleat with Low-Friction, Top Roller Fairlead: Aluminum	\$17.75
O. 27-0253	Clamcleat with Base Roller: Aluminum (use for trapeze adjustment)	\$24.65
P. 27-0253A	Clamcleat Hard Anodized	\$26.50



## O-R. RONSTAN CARBON FIBER CAM CLEATS

Lightweight and durable with quick response and easy entry/exit effort. Outstanding grip, corrosion resistant (no aluminum cams). Fast Track Fairlead option permits widest range of cleating angles without need for rotation. Saves complexity, weight and cost for barberhauler control cleats. Small: 3/32" to 5/16" line; SWL 265 lbs. Fastener size: 3/16", #10, (#19-1626). Medium: 1/8" to 1/2" line; SWL 400 lbs. Fastener size: 3/16", #10, (#19-1626).

O. 21-5000	Small C-Cleat	\$21.25
P. 21-5010	Medium C-Cleat	\$26.00
21-5016	Riser Pad for Medium C-Cleat	\$6.25
Q. 21-5005	Fast Track Fairlead Small	\$5.80
21-5015	Fast Track Fairlead Medium	\$6.80
21-5004	Rope Guide Wire Small	\$5.50
R. 21-5014	Rope Guide Wire Medium	\$6.75

Is line slipping in your cleat? Line size, surface texture and core characteristics are all factors which should be evaluated.



## S-T. MAST CLEAT KITS

Halyard Cleat Kit includes Holt Allen #481 cleat, stainless rivets and rivet casings. Downhaul Cleat Kit is for mounting in mast track (eg. H-16) and includes cleat, screws and inserts.

S. 01-1019	Halyard Cleat Kit with Rivets	\$8.25
11-6481	Cleat Only	\$5.50
19-5033	Rivet CCP 6-8 3/16" x 1/2"	\$7.75
19-5020	Rivet Casing	\$7.70
T. 01-1020	Downhaul Cleat Kit with Screws & Channel Inserts	\$10.50
19-3500	Screw— Each 10-32x7/8"	\$4.40
03-0190	Insert— Each	\$2.00

## RELATED ITEMS

Bullseyes & Roller Fairleads .....	pg 28
Leech Line Cleat.....	39

## U-V. HARKEN® PIVOTING BLOCKS

Harken Swivel 180°s swivel a full 180° and feature heavy-duty, stainless, pivoting exit blocks with cleats. Choice of Cam-Matic® cleats. Includes fairleads. To mount in mast sail track, order two channel inserts and two screws. See Cam-Matic® cleats for line capacities.

U. 28-0291	Harken Pivot 180 Block with Micro Cam-Matic	\$59.75
28-0022	Clevis Hinge Pin for #291	\$2.50
V. 28-0140	Harken Pivot 180 Block with Cam-Matic	\$83.30
28-0022-1	Clevis Hinge Pin for #140/141	\$4.00

## W. SPINLOCK® PIVOTING BLOCK

Twice as easy to release as a conventional cam cleat, even when under extreme load. Perfect for downhaul applications on cats. A unique angle adjustment allows the lock/release angle to be set for different applications and crew positions. The movable sheave gives 4 different mounting options to suit most set-ups. Line size 1/8" to 5/16". SWL 308 lbs.

27-4021	\$52.00
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## X-Y. SPINLOCK® PX CAM CLEATS

These are the easiest cleats to release, especially on high-load systems such as downhauls and mainsheets. Use 1/8"-5/16" line on smaller cleat; SWL 308 lbs. Use 5/16"-7/16" line on larger cleat; SWL 440 lbs..

X. 27-4011	Small	\$37.00
Y. 27-4001	Large	\$48.00



# CONVENIENCE ITEMS



## A. TOGGLE PIN WITH LANYARD

For pin without lanyard, remove "L" from item number.

21-1155L	1/4"x5/8"	\$11.50
21-1153L	1/4"x3/4"	\$13.00
21-1157L	1/4"x1"	\$12.00
21-1159L	1/4"x1-1/4"	\$13.00

## B-C. SISTER CLIP

Micro does not have slot. Each.

B. 04-7730	Micro	\$3.00
C. 21-0536	Mini	\$3.00

## D. CARABINER HOOK

316 stainless steel hook has 1/4" diameter, 2-3/8" length, weighs .08 lb. with 700 lb. breaking strength.

22-4156	\$5.50
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## E. QUICK RELEASE SHACKLE

01-3233	3/16"	\$26.00
01-3232	1/4"	\$27.50

## F. SNAP SHACKLE WITH SWIVEL TACK

F. 22-4501 Snap Shackle with 1/4" Clevis Pin \$39.00

22-9806 Replacement Clevis Pin 3/16"x7/8" (Use to connect swivel shackle to an item that requires a 3/16" clevis pin.) \$1.15

## SNAP SHACKLE WITH SWIVEL EYE

Same as #22-4501, but with swiveling base.

22-4521	\$36.00
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## PLASTIC CARBINE HOOK

A quick connection of trapeze shock cord to height control adjustment. 2-1/4". Each.

01-0127	\$1.50
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## G-H. AUSSIE MAIN HALYARD RINGS

If you're having trouble raising or lowering your mainsail due to a faulty halyard ring and shackle, this upgrade will help. Welded ring and lanyard give you more positive control while hooking or unhooking the ring to the hook. Use on any boat that uses a hook at the mast head and a ring and shackle at the head of the sail. Personal preference dictates which one you choose.

G. 01-4216	Murrays Aussie Ring	\$24.00
H. 07-3064	Hobie® Aussie Ring	\$27.05

## QUICK TWIST HALYARD SHACKLE

Quick and convenient replacement for shackle with small threaded pin on H-16 jib clew block. No loose parts to lose!

21-1032	3/16" Clevis Pin	\$14.25
21-1033	1/4" Clevis Pin	\$15.50



## HALYARD GRIP KIT

Guides the halyard to the side of the mast, keeping it out of the way so that the jib is less likely to hang up on it when tacking.

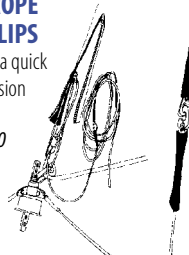
07-1140	\$4.35
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## JIB HALYARD ROPE WITH SISTER CLIPS

Little Sister Clips are a quick on/off halyard extension system.

04-7732	H-18/20	\$15.95
04-7734	Prindle	\$20.00



## H-16 CONVENIENCE PACKAGE

This package makes set-up and take-down of your Hobie 16 more convenient. Includes bold items in the chart below.

01-3231	\$65.00
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## CONVENIENCE ITEM CHART

Speed set-up, add convenience and prevent loss by quickly and easily removing valuable equipment from the boat after sailing. Appropriate items suggested on the chart have proven their effectiveness and strength! Items in bold face type are included in the H-16 Convenience Package #01-3231.

Application	H-16	H-17	H-18	H-20	H-21	P-16/18/18.2/19	Nacra/Inter
Hiking Stick to Crossbar	<b>18-4R125</b> 18-4M125L	18-4R125 18-4M125L	18-4R125 18-4M125L	18-4R125 18-4D125	18-4R125 18-4M125L	18-4R125 18-4M125L	18-4R125 18-4M125L
Jib Tack Connection	01-3232		01-3232	01-3232	01-3232		18-4M075L 22-4501
Mainsheet Block to Boom	01-3232 01-3233 22-4501	01-3232 22-4501 28-0111	01-3232 22-4501 28-0111	22-4501 pigtail 02-0235-00	01-3232 22-4501 28-0111	01-3232 22-4501 28-0111	01-3232 22-4501 28-0111
Mainsheet Block to Traveler Car	<b>18-3M075L</b>	18-3M075L	01-3232 22-4501 28-0112	01-3232 22-4501	01-3232 28-0112 22-4501	01-3232 28-0112 22-4501	01-3232 28-0112 18-3M075
Jibsheet Blocks to Jib Clew	<b>21-1032</b>					22-4156	
Boom to Mast		18-4D125	18-4D125	18-4D125	18-4R100	18-4D150	
Main Clew to Outhaul		01-3232	18-4M075L	22-4501	18-4M075L	18-4R100	
Forestay to Adjuster	<b>21-1155L</b> 18-4R075 18-4M075L	21-1155L 18-4R075 18-4M075L	18-4M075L	18-4M075 (2)	18-4M075L		21-1155L 18-4R075 18-4M075L
Shock Cord Connect	<b>01-0127 (4)</b>	01-0127 (4)	01-0127 (4)	21-1155L (2)	01-0127 (4)	01-0127 (4)	01-0127 (4)
Rudder Line Handle						27-0199 (2)	27-0199 (2)
Main Halyard Shackle		01-4216	01-4216		01-4216	01-4216*	01-4216
Spring Clip - Rudder Pin Retainer	<b>25-2205 (2)</b> 21-0413	25-2205 (2) 21-0413	25-2205 (2) 21-0413	25-2205 (4)	25-2205 (2) 21-0413	25-2205 (2) 21-0413	25-2205 (2) 21-0413
Jib Sheet Blocks							18-3R075 (2)
Mast Step Pin					18-4D300	18-4D300	
Bridle Wires				18-4M075 (2)			

\*Except P-16.

## ALL-PURPOSE TOOL

Stainless tool is a wrench that fits nuts for 1/4" and 5/16" bolts. It's also a cam remover, screwdriver, bottle opener and shackle tool. Helps with shackle pins and drain plugs.

01-0005	\$6.95
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## CAT KEY SHACKLE TOOL

A screwdriver, bottle opener, shackle tool and open-end wrench for nuts that fit 1/4", 5/16" and 3/8" bolts. Aids in getting pins out of shackles and loosening drain plugs. Stainless tool comes with lanyard.

01-0006	\$7.95
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## RELATED ITEMS

Ball-Lok Pins .....	pg 31
Shackles .....	31



# BALL-LOK® PINS & SHACKLES

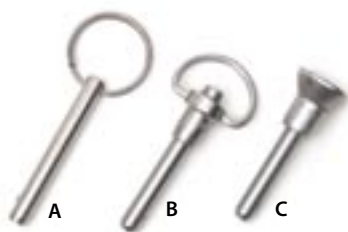


## BALL-LOK® PINS

One hand release—just push the button and pull. Uses include blocks, shackles and hiking sticks. Replace clevis pins of same diameters and similar grip lengths. See Convenience Package descriptions listed by boat type for specific recommendations.

**CAUTION:** Do not use Ball-Lok Pins when receptor holes are oversize or out-of-round. (Example: Beware of 7- and 10-hole shroud adjusters.)

Measurements shown are diameter x maximum grip length (distance from the shoulder to the locking ball bearings).



## A. DETENT PIN

Economical. A spring-loaded ball exerts sufficient pressure to avoid accidental release.

18-4D125 1/4" x 1-1/4" \$8.00  
18-4D300 1/4" x 3" \$12.00

## B. STANDARD BALL-LOK® PIN

Standard head with a ring pull.

18-3R075 3/16" x 3/4" \$20.00  
18-4R075 1/4" x 3/4" \$19.00  
18-4R100 1/4" x 1" \$20.00  
18-4R125 1/4" x 1-1/4" \$21.00

## C. DELUXE BALL-LOK® PIN

Features a deluxe dished head with a hole for lanyard attachment. No other locking pin is faster operating or safer. For addition of 1/16" x 7" stainless lanyard with micropress ovals, add letter "L" after item number.

18-3M050 3/16" x 1/2" \$22.00  
18-3M075 3/16" x 3/4" \$24.00  
18-4M075 1/4" x 3/4" \$24.00  
18-4M100 1/4" x 1" \$25.00  
18-4M125 1/4" x 1-1/4" \$27.00

**TIP**

Ball-Lok pins should not be used where use might lead to de-masting or other catastrophic failure.

## RELATED ITEMS

Ball-Lok Pin Use Chart..... pg 30  
Convenience Items.....30

## SHACKLES

Measurements shown is pin diameter. (Example: 1/4" shackle has a 1/4" diameter pin.) All shackles are solid stainless steel. Having a spare on hand for each size shackle on your boat may mean the difference between sailing or not. It's amazing how quickly shackles and pins disappear in the sand! Select individual shackles or consider a Spares & Repairs Kit, shown on page 27.



## D. SNAP SHACKLE WITH SWIVEL EYE

Length is 2-3/4" with eye diameter of 1/2".  
SWL 1000 lbs.  
22-4521 \$36.00

## E. SNAP SHACKLE WITH SWIVEL TACK

For attaching Nacra jib tack. 2-3/4" long with 1/4" pin diameter. SWL 800 lbs.  
22-4501 \$39.00



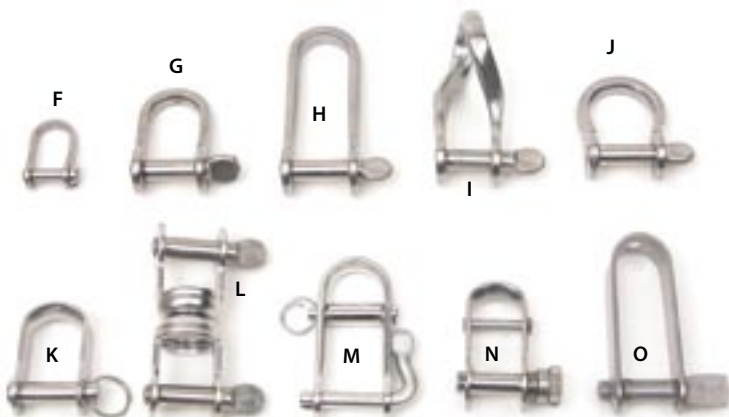
Pinata Regatta 2006 Photo: Ellie Martin

## P. HEADLESS CLEVIS PIN

22-9811 3/16" x 1-1/2" (H-16 mast step hinge pin) \$3.50  
56-F128 3/16" x 3" Prindle \$6.00  
22-9815 1/4" x 3-3/8" (H-18 mast step hinge pin) \$4.00  
56-F158 1/4" x 2" (H-17, Nacra mast step hinge pin) \$5.00

## Q. CLEVIS PIN

22-9801 3/16" x 1/2" \$1.00  
22-9805 3/16" x 5/8" \$1.10  
22-9806 3/16" x 7/8" \$1.15  
22-9807 3/16" x 1-1/4" \$1.25  
22-9808 1/4" x 1/2" \$1.20  
22-9802 1/4" x 5/8" \$1.20  
56-4012 1/4" x 3/4" \$1.50  
50-8020401 1/4" x 1" \$1.50  
22-9803 1/4" x 1-1/8" \$1.50  
22-9804 1/4" x 1-3/8" \$1.65  
56-4586 5/16" x 2-3/16" \$3.00  
56-4587 1/4" x 2-1/4" \$3.00



## F-H. D-SHACKLE

F. 21-0615 5/32" Slotted Pin \$4.15  
21-0616 3/16" \$3.80  
G. 21-0617 1/4" \$4.60  
H. 21-0623 1/4" Long \$6.25

## I. TWISTED D-SHACKLE

21-0628 3/16" \$6.35  
21-0629 1/4" \$7.90

## J. BOW SHACKLE

Shackle	Pin Only
21-0634 3/16" \$4.55	21-0032 \$2.00
21-0635 1/4" \$5.40	21-0033 \$2.25
21-0636 5/16" \$8.90	

## K. HARKEN STAMPED D-SHACKLE

28-0072 3/16" \$3.10  
28-0138 1/4" \$5.00

## L. SWIVEL SHACKLE

21-0120 3/16" \$14.25  
21-0173 1/4" \$16.85

## M. QUICK TWIST HALYARD SHACKLE

With removable guard pin.  
21-1032 3/16" \$14.25  
21-1033 1/4" \$15.50

## N. 1/4" SHORT HALYARD SHACKLE

1-7/32" long with fixed guard pin and spring-loaded captive pin. Max working load: 1550 lbs.  
22-9343 \$20.60

## O. 1/4" FLAT HALYARD SHACKLE

1-7/16" long. Round profile for thimble connection. Max working load: 1700 lbs.  
50-10670000 \$9.50

# CLEVIS PINS & RETAINERS

## CLEVIS PINS

Clevis pins and retainers are stainless steel. Measurements shown are diameters x grip lengths (shoulder to the split ring hole).

## R-S. SPLIT RING

R. 22-9492 For 3/16" 1/4" Pin \$4.40  
22-9493 For 5/16" & 3/8" Pin \$4.40

A pigtail makes this split ring easier to open.

S. 22-9491 For 1/4" with Pigtail \$3.35

## T. SAFETY PIN

An alternative to the split ring.  
21-0126 \$1.20

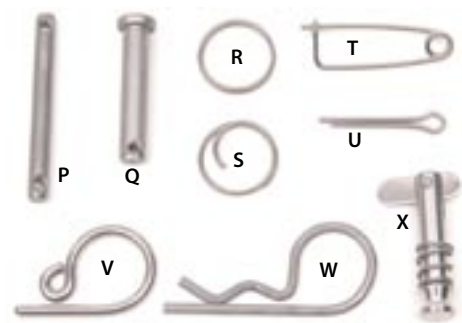
## U. COTTER PIN

19-1015 3/32" x 3/4" \$1.18

## V-W. SPRING CLIP

For quick rudder pin removal. Stainless.

V. 21-0413 For 3/8" diameter \$3.90  
W. 25-2204 For 1/4" to 5/16" diameter \$7.75  
W. 25-2205 For 3/8" diameter \$1.25



## X. TOGGLE PIN

Replace clevis pins of same diameter and grip lengths. Each. See page 30 for toggle pins with lanyards.

21-1155 1/4" x 5/8" \$9.75  
21-1153 1/4" x 3/4" \$11.20  
21-1157 1/4" x 1" \$10.00  
21-1159 1/4" x 1-1/4" \$11.00

# RUDDER PINS

## WHICH RUDDER PIN?

Consider your intended use. Aluminum is standard on Hobie® and Prindle cats and is good for all-around, low maintenance use. Nylatron are sacrificial pins for use in the surf and should be inspected often for wear. Weight-saving, hollow stainless pins with stronger .065" wall provide reduced wear and the best long-term fit.



## RUDDER PINS

### H-14/16

3/8" X 8". Pair.

01-2271	Nylatron	\$12.00
01-2272	Aluminum	\$15.00
01-2269	Stainless Steel	\$20.00

### H-17/18/Wave/Getaway

3/8" X 9-1/4". Pair. Universal pins are suited for all H-17/18/Wave rudder castings.

01-4271	Nylatron	\$12.00
01-4274	Aluminum	\$16.00
01-4273	Stainless Steel	\$22.50

### H-21, Prindle & Nacra® - Pair

3/8" x 10-1/4" end-to-end, with hole at each end.

01-5272	Aluminum	\$17.00
01-5273	Stainless Steel	\$24.00

### H-20 - Each

5/16" x 9-1/4" end-to-end, with 3/32" hole at each end. Cotter pins sold separately.

50-40880011	Stainless Steel Pin	\$13.50
19-1015	Cotter Pin 3/32"x 3/4"-each	\$18



## RUDDER TITE KIT & BUSHINGS

Tighten, insulate and reduce friction between rudder pin and rudder casting. Replaceable nylon bushings provide a smooth, nonconductive bearing surface which is ideal for use with stainless rudder pins. H-14/16 Kit includes 4 bushings, 2 aluminum rudder pins and instructions. Note: Bushing requires 0.438" (7/16") hole in castings (use 7/16" reamer to enlarge hole in castings). Bushings fit H-17/18/21 castings without modification and replace Hobie®-style nyliners.

01-2283	H-14/16 Rudder Tite Kit	\$22.00
01-2284	Bushing H-14/16/17/18/Wave each	\$2.10

50-40340001	H-20 Upper	\$4.40
50-40360001	H-20 Lower	\$4.40

## RELATED ITEMS

Rivet Tools.....	pg 14
Rudders.....	33



## A. RUDDER RETURN KITS

These kits by Tren Tec eliminate kick-up. Rudders return to down position easily with one hand. Tension holds rudder down if a cam fails. All kits accommodate both rudders.

A. 12-2049	H-14/16 Tren Tec Kit	\$15.00
12-2059	H-17/18 Tren Tec Kit	\$15.00
01-2240	Shock Cord 32" with Balls (pr)	\$7.00

## KISME KLEETS

Stainless steel cleat replaces the plastic ones sold by Tren Tec as a rudder return kit. Package of 4.

05-1010

\$8.00



## B-C. RUDDER GUDGEONS

Latest, strongest design with welded sleeve bushings provides large, smooth bearing surfaces between rudder pins and gudgeons. Replace flared gudgeons with their sharp edges and point loading that can cause early rudder pin failure. For H-14/16s, order separate upper and lower gudgeons. For all other Hobie® cats, order #25-3352 for both gudgeons. Each.

B. 25-3351	Upper H-14/16	\$12.00
C. 25-3352	Lower H-14/16: all others, upper & lower	\$26.00

19-3520 RHMS #12-24 x 1.25" Repl Screw (Each) \$1.10

50-8030401 Hobie® Gudgeon Lock Screw (16/pkg) \$17.50

50-F18056012 Tiger Gudgeon Upper 2008 \$21.00

50-F18056014 Tiger Gudgeon Lower 2008 \$21.00

50-F99226001 Screw for Tiger Gudgeon \$7.00

## ONE-PIECE RUDDER GUDGEON

Strongest available and standard on new boats! One-piece gudgeons are always in perfect alignment! Excellent replacement for boats that have lost the use of one or more gudgeon screws because this uses 8 fasteners (#19-3520) instead of only 6. H-18 gudgeon includes pin. Each.

50-50102011	H-14/16	\$34.00
50-60102011	H-18	\$51.00



# RUDDER KITS FOR HOBIES®



## D. TILLER CONNECTION KIT

Assures consistent rudder alignment through the full rudder sweep. Spring-loaded half balls and contoured spacers take the slop out of the tiller-to-crossbar connection. Racing class legal.

D. 01-2061	Kit (Pair)	\$11.00
01-0061	Contoured Spacer-Each	\$0.80
01-0059	Half Ball-Each	\$0.35
01-0060	Spring	\$1.20
19-2221	Hex Bolt 1/4-20 x 2-1/4"	\$1.20
19-2516	Nut 1/4-20	\$0.45



## E. H-20 STYLE TILLER CONNECTOR & ADJUSTER KIT

The H-20 tiller connection system has been adapted as a retrofit for all Hobies®! Easy to adjust with an exact, snug fit. 10 seconds to install/remove tiller crossbar. Replacement parts are also available.

E. 07-1953 Kit \$112.50

### Replacement Parts

50-40540001	Adjustment Arm	\$24.50
50-40550001	End Cap Threaded	\$8.75
50-40561001	Tiller Connector End Cap 1995 & Later	\$9.50
50-40590001	Retainer Clip	\$1.50

## TENDON FOR GETAWAY TILLER CONNECTOR

50-37561011 \$6.00



## F-G. RUDDER ALIGNMENT

Adjustable end cap replaces short cap on tiller crossbar. Each.

F. 50-60400011	Adjustable End Cap	\$15.75
G. 50-10400010	Tiller Arm End Cap	\$11.25
50-20520011	Crossbar with Hobie® Caps	\$125.00

Other factory replacement parts are also available for many boats.



## F. RUDDER CAM KITS

Replacing worn rudder cams helps keep your Hobie's rudder lock-down mechanism functioning properly. Kits include two cams, two reusable, internally threaded sister screws for both sides, and instructions. Purchase the complete kit if your boat has the stock flare pins; purchase just the cams if your boat already has sister screws as shown.

F. 01-2050	H-14/16 Kit	\$26.00
01-3550	H-17/18/20/21/Wave/Getaway Kit	\$32.00
01-2051	H-14/16 Sister Screws Only (pair)	\$12.00
01-3551	H-17/18/20/21/Wave/Getaway Sister Screws Only (pair)	\$20.00

### Factory replacement parts (each):

50-10480000	Cam Only	\$7.00
50-10440000	Plunger Only H-14/16	\$2.80
50-50312201	Plunger Only H17/18/20/21/Wave/Getaway	\$5.80
50-10430000	Spring Only	\$5.65
50-60450000	Delrin Screw Only (Tap size 3/4-10)	\$7.10
50-10311900	Rudder Locking Kit H-14/16 (Includes 1 each: plunger, spring, screw)	\$14.75



## RUDDER STIFFENING KIT

For all Hobies®. Eliminate excessive clearances between rudders and castings which cause wobble and thwart rudder alignment. Kit has 4 stainless nylock nuts and 8 spacers.

01-2053	Kit with 8 spacers	\$6.00
01-0053	Spacer Only (Each)	\$0.50
19-2520	Nut Only (Each)	\$0.50



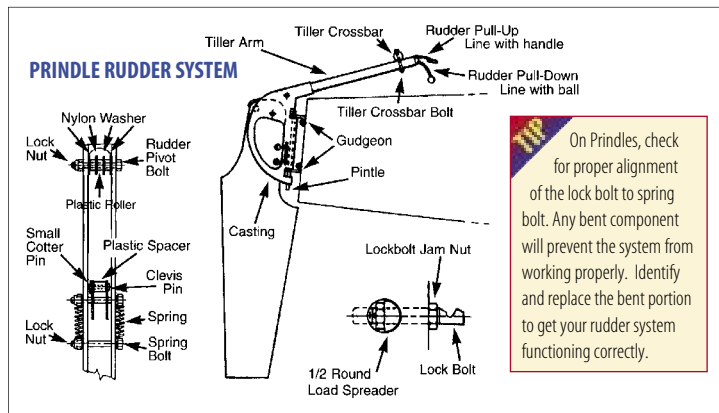
## H-18 RUDDER CONVERSION KIT

Upgrade your pre-1986 H-18 to the latest rudder kick-up system. Pre-'86 lower rudder castings have aluminum lock down cams. Post-'86 lower castings have plastic lock down cams with improved locking action. Kit contains two lower castings with improved locking action, two upper castings with arms and end caps, four gudgeons with mounting screws and locking washers, rudder pins and instructions for gudgeon mounting and rudder redrilling.

50-60331010 \$550.00



# RUDDER KITS



## A-B. PRINDLE RUDDER ALIGNMENT & CROSSBAR ASSEMBLY

For easy adjustment of rudder parallelism. Adjustable end cap fits to end of Prindle tiller crossbar. Simply lengthen or shorten crossbar to toe-in or toe-out rudders. Aluminum. Each.

- A. 56-5106 Adjustable End Cap \$86.00  
 B. 56-5005 End Casting for Tiller Crossbar \$16.50  
 56-5000 P-15/16/18 Crossbar with Caps—73.5" x 15/16" ID \$221.00  
 56-5008 P-19 Crossbar without Caps—81.75" x 15/16" ID \$50.00



## TILLER & RUDDER STIFFENING KIT FOR PRINDLES

For Prindles. Spring-loaded tiller connection with contoured spacers tightens the hinge connection. Six plastic shims reduce slop between rudders and castings.

01-5141 \$12.00



## C-G. PRINDLE RUDDER LOCK ASSEMBLY

- C. 56-4009 Plastic Roller—Upper \$.30  
 D. 56-4016 Spring \$4.00  
 E. 56-4017 Rudder Lock Bolt \$18.00  
 F. 56-4018 Lockbolt Jam Nut \$.40  
 G. 56-4019 1/2 Round Load Spreader \$15.00  
 56-F118 Washer \$.50  
 56-4014 Plastic Spacer for Lower Rudder \$1.00



## NACRA TILLER TIE BAR UPGRADE KIT

Improved tiller connect for older boats.  
 56-5516 \$37.00



## NACRA RUDDER ALIGNMENT & CROSSBAR

- 56-5508 Adjustable End Cap—All Nacras \$94.00  
 56-C608 Tiller Crossbar Tube 7" (measure, cut & drill) \$58.00

When rebuilding Prindle and Nacra rudder systems, make replacement pull-down lines using 3/16" prestretched line as follows:  
 Prindle: Four 4-foot pieces  
 Nacra: Two 4-foot pieces  
 For Nacra rudder pull-up, use 5-feet of 5/16" shock cord.

## H-I. NACRA PIVMATIC KICK-UP

Positive, reliable and easy to install. Nacra rudders automatically kick up on contact with submerged objects with this rudder release fitting. Complete kit for one side as shown or replacement parts available.

- H. 56-0266 Kick-up Kit \$28.50  
 Heavy-duty aluminum cleat is not as susceptible to wear and stripping.  
 I. 56-0266-1 Kick-up Kit with Aluminum Cleat \$37.00

## Replacement Parts:

- 56-0151 Pivmatic Bracket Only \$16.00  
 27-0209 Repl. Cleat Only Plastic \$4.95  
 27-0254 Repl. Cleat Only Aluminum \$13.60  
 22-9804 Clevis Pin Only 1/4"x1-3/8" \$1.65  
 22-9492 Split Ring 3/16"-1/4" \$.40

# RUDDERS & DAGGERBOARDS



## HOBIE® FACTORY RUDDERS & DAGGERBOARDS

PCG = Solid molded white plastic  
 FG/F = White fiberglass/foam  
 EPO<sup>2</sup> = Epoxy

## HOBIE® RUDDERS — EACH

H-14/16/17/18/Wave/Getaway Blade  
 50-20493000 White PCG \$120.00

## EPO<sup>2</sup> Rudder Blades

for H-14/16/17/18/Wave/Getaway

EPO<sup>2</sup> next-generation performance rudder blades combine Hobie's proven foil shape with a fine trailing edge to offer reduced cavitation and hum with smoother, more forgiving control. Hand laid fiberglass construction with extra cloth incorporated in all the right places ensures that the EPO<sup>2</sup> blades are tough enough for even the most demanding sailors using extreme mast rake.

50-20490010 EPO<sup>2</sup> White Poly \$220.00

## Blades for Other Hobies

50-40490001 H-20 White FG/F \$240.00  
 50-30490001 H-21 White FG/F \$315.00  
 50-F99502280 H-Tiger White FG/F 2008 \$235.00

## HOBIE® CENTERBOARDS & DAGGERBOARDS — EACH

OVERSIZED SHIPPING RATES APPLY

50-50351001 H-17 White FG/F \$270.00  
 50-60300001 H-18 White FG/F \$465.00  
 50-40330001 H-20 White FG/F \$490.00  
 50-70330001 H-Tiger White FG/F \$407.00  
 50-30300001 H-21 White FG/F \$490.00

When upgrading from standard Hobie® Cat blade to fiberglass or epoxy, buy a matching pair so that both rudders perform alike.

Rudders and daggerboards may be oversized for shipping purposes, depending on shipping method.

## PERFORMANCE CATAMARANS RUDDERS & DAGGERBOARDS

The only racing class legal equipment for Nacra and Prindle cats! Superior strength and consistent quality. Special high-density foam core with carbon reinforcement in the 5.8/6.0 daggerboards. One year warranty on workmanship and materials.

## PERFORMANCE CAT RUDDERS — EACH

56-4022 Prindle 15/16/18 \$220.00  
 56-4225 Prindle 18.2/19—Upgrade \$220.00  
 56-1006 Prindle 18.2/19 Retrofit Kit—Extended gudgeons, tiller arms; Fits P-19/trim to fit P-18.2 \$171.60  
 56-4517 Nacra 5.0/5.7 (Long) \$175.00  
 56-4528 Nacra 5.2/5.5/5.8/6.0/18sq \$175.00  
 56-4580 Inter 17/18/20 \$240.00

## PERFORMANCE CAT CENTERBOARDS & DAGGERBOARDS — EACH

OVERSIZED SHIPPING RATES APPLY

56-1026 Prindle 18.2/19 \$278.00  
 56-1030 Nacra 5.2/5.5 \$305.00  
 56-1032 Nacra 5.8/6.0 \$290.00  
 56-4585 Inter 17/18/20 \$385.00

## RELATED ITEMS

Rope..... pg 15  
 Rudder & Daggerboard Covers..... 59



Photo: Team Alexander

# TRAMPOLINES & ACCESSORIES

## BLACK MESH TRAMPOLINES

Heavy duty, black, polypropylene mesh material is durable and practical. Not only is it nearly impervious to environmental degradation, it will not let water pool. These tramps differ from Hobie® factory tramps because they are stitched instead of heat welded. Black mesh tramps for Hobies® are a 3-piece design with an extra-wide aft lacing strip; mesh tramps for most other cats are 1-piece. Non-factory tramps for Hobies® are not class legal for racing. Lacing kit is not included.



### Black Mesh Tramps for Hobies®

30-3100	Wave Club	\$275.00
30-3101	H-14 with Turbo	\$300.00
30-3102	H-16	\$310.00
30-3103	H-18	\$330.00
30-3103-1*	H-18 Magnum Wings	\$300.00
30-3104	H-17 3-Piece	\$305.00
30-3104-1	H-17 Wing (pr)	\$225.00
30-3106*	H-20	\$425.00
30-3105	H-21SE (the wide one)	\$380.00
30-3105-1	H-21/18SX Wings (pr)	\$315.00
30-3091	Getaway Forward	\$256.00

### Black Mesh Tramps for Nacra

30-3141*	N-5.0	\$330.00
30-3143*	N-5.5SL	\$385.00
30-3144*	N-5.7	\$370.00
30-3145	N-5.8	\$355.00
30-3146*	N-6.0	\$385.00

### Black Mesh Tramps for Other Cats

30-3171*	Sol 15	\$330.00
30-3172	Sol 18	\$350.00
30-3184*	Freestyle 474	\$370.00
30-3186*	Venture 15	\$355.00
30-3190*	Super Cat 17 old style	\$515.00
30-3191*	Super Cat 17 new style (aft slide)	\$425.00

Also available: G-Cat, Mystere, Dart.

**OVERSIZED SHIPPING RATES MAY  
APPLY TO TRAMPOLINES,  
ESPECIALLY FOR AIR SHIPMENTS**

### Black Mesh Tramps for Prindles

30-3121*	P-15	\$340.00
30-3122	P-16	\$360.00
30-3123	P-18, Escape	\$370.00
30-3124*	P-18.2 & P-19	\$410.00

\* Special orders: Allow 2 to 4 weeks for delivery.  
Custom tramps: We use your old tramp as a pattern.

## ONE-PIECE BIAS-CUT TRAMPS

One-piece tramps provide a smooth, uncomplicated deck. All of these bias-cut black mesh tramps include an 11"x12" pocket, adjustable hiking straps and lacing line flap for Nacra/Prindle 19's. Two-year warranty on workmanship and materials. All are special order; please allow 2 to 4 weeks for delivery. Please call regarding available options.

30-3101-1	H-14 1-Piece Bias	\$330.00	30-3142-1	N-5.2 with hull # greater than #520 - 71" wide	\$370.00
30-3102-1	H-16 1-Piece Bias	\$360.00	30-3143	Nacra 5.5 1-Piece Bias	\$385.00
30-3104-2	H-17 1-Piece Bias	\$320.00	30-3145	Nacra 5.8 1-Piece Bias	\$355.00
30-3103-2	H-18 1-Piece Bias	\$374.00	30-3161	Trac 14 1-Piece Bias	\$300.00
30-3142	N-5.2 with hull #520 or less - 74" wide	\$369.00	30-3162	Trac 16 1-Piece Bias	\$355.00

## FACTORY REPLACEMENT TRAMPS

Hobie® trampolines are available in white solid or colored mesh vinyl and are heat welded for longevity. For Hobie Cat® class racing, factory replacement tramps are the only class-legal choice. In choosing a tramp, keep in mind that vinyl tramps keep sailors drier; mesh allows the wind and water to flow through, preventing puddling and helping to prevent mildew. Lacing kit is not included except where noted. Check with us regarding availability of other factory tramps.



### H-14 3-Piece

50-10970000	White	\$302.00
50-10970055	Black Mesh	\$390.00
50-10970058	Turquoise Mesh	\$390.00

### H-16 3-Piece

50-20970000	White	\$320.00
50-20970055	Black Mesh	\$427.00
50-20970057	Blue Mesh	\$427.00
50-20970058	Turquoise Mesh	\$427.00
50-20970059	Gray Mesh	\$427.00

### H-17 3-Piece

50-50670000	White	\$349.00
50-50670091	Black Mesh	\$472.00
50-50670058	Turquoise Mesh	\$472.00

### H-17 Wing

50-50650100	White Set	\$259.00
50-50650900	Black Mesh Set	\$335.00
50-50650959	Gray Mesh Set	\$335.00

### H-18 3-Piece

50-60970000	White	\$357.00
50-60970055	Black Mesh	\$468.00
50-60970058	Turquoise Mesh	\$468.00

### H-20 1-Piece

50-40970055	Black Mesh	\$750.00
50-40970058	Turquoise Mesh	\$750.00
50-40970059	Gray Mesh	\$750.00

### H-21 Sport Cruiser Forward Tramp

50-36980055	Black Mesh	\$508.00
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### H-21 Sport Cruiser 1-Piece with side lacing

50-36970000	White	\$508.00
50-36970055	Black Mesh	\$562.00

### Getaway

50-37980055	Black Forward	\$515.00
50-37970057	Blue	\$465.00
50-37970058	Turquoise	\$465.00
50-37971058	Turquoise Wing	\$142.00

### H-18SX/21 Wing

50-68040240	White Set	\$379.00
50-68040255	Black Mesh Set	\$444.00

### Wave (Club tramps are 3-piece)

50-38970000	White 1-pc	\$487.00
50-38970055	Black Mesh 1-pc	\$535.00
50-39970000	Club White	\$335.00
50-39970055	Club Black Mesh	\$390.00

### Inter (includes lace line kit)

56-9202	Inter 18/20 Black	\$350.00
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## RELATED ITEMS

Halyard Pouch .....	pg 58
Rope & Shock Cord .....	15
Zippered Pouches & Packs.....	58

## CHOOSING LACING FOR YOUR TRAMP

For recreational sailors, **shock cord** is usually the better choice over line tramp lacing. Just "set it and forget it" because shock cord maintains the tension you set when lacing your tramp. Shock cord also reduces tramp and grommet wear because the load is spread over multiple grommets, especially when walking on the tramp. The latest technology shock cord is used in our kits for longevity.

**Line** offers a longer-lasting option over shock cord and is the better choice for sailors who prefer a very tight tramp. As the line stretches slightly over time, sailors can re-tension the tramp lacing to their liking. Our standard kits include black, abrasion-resistant low stretch line.

For an alternative favored by racers, a tramp line kit with smaller diameter, high-tech **Dyneema®** line is also available. Not only is Dyneema® line stronger and lighter in weight than 8-strand line, it has almost no stretch and has excellent ultraviolet and abrasion-resistance properties. Race kits include gray, 3mm and 2mm Dyneema® line as specified below.



## H-14/16/18 LACING KITS

Line kits contain three lengths of line (one piece 19'; two pieces 14') and lacing instructions.

01-2242	Standard- 3/16" 8-Strand Low-Stretch Black Line	\$20.00
01-2242-1	Race- 3mm Dyneema® Gray Line	\$30.00

## SHOCK CORD KIT

Our shock cord kit contains cinch rings and 35' (15' + 2 x 10') of 3/8" premium shock cord, enough for H-14, 16 or 18 tramps, plus instructions.

01-2241	\$35.00
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## PRINDLE LINE LACING LINE KITS

The P-15/16/18/Escape kit includes two 11' lengths and two larger diameter 10'6" lengths. P-18.2/19 kit has two 19' lengths.

01-2246	P-15/16/18/Escape Standard- 5/32" & 3/16" 8-Strand Low-Stretch Line	\$16.50
01-2246-1	P-15/16/18/Escape Race- 2mm & 3mm Dyneema® Line	\$23.00
01-2248	P-18.2/19 Standard- 3/16" 8-Strand Low-Stretch Line	\$18.00
01-2248-1	P-18.2/19 Race- 3mm Dyneema® Line	\$24.00

## TRAMP SLUG SLIDE

Use for lacing tramp to rear crossbar to eliminate the need for an aft lacing strip. The slug can also be used in sail track.

56-9892	\$2.50
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## THE UPTIGHT TRAMP TOOL

A beautifully simple 3-piece tool set that permits one person to precisely tighten cat trampoline lacing. Nothing to pull on. Nothing to maintain. Flat design stores easily in tool box. Solid anodized aluminum is lightweight and will not rust.

05-1100	\$30.00
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## 3M MARINE VINYL CLEANER/RESTORER

Cleans, shines, conditions and protects in one easy step. Deep cleans dirt and grime from vinyl, rubber and plastic surfaces while leaving behind a natural carnauba wax protective coating. 15 oz. spray.

40-9023	\$16.95
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## TRAMP CLAMP™

Minimize chafing at trampoline stress points and reduce the possibility of the trampoline pulling out of the aluminum extrusion. Clamps slide into the aluminum extrusion track. 10 pieces, 1.5" long. By Tren Tec.™

12-0010	\$9.25
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## HIKING STRAP WEBBING

Black webbing is 2" wide.

Per foot.	
30-3520	\$1.50





# TRAMP ACCESSORIES & NON-SKID

# HIKING STICKS

## WHY USE NON-SKID?

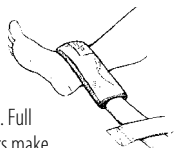
The single greatest obstacle to successful high wind performance sailing is lack of proper footing. Adequate deck and sidebar traction for sitting or standing is needed for sailing in even light to moderate wind. Properly placed footstraps are essential for secure footing in high wind and choppy water. To help prevent sailors flying forward, consider a righting line that doubles as a preventer.



## PADDED HIKING STRAP COVERS

Pair of durable, black, nylon covered foam pads attach to hiking straps for more comfortable hiking out. Full length Velcro® fasteners make these covers easy to install and secure. 2" ID x 14".

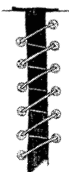
30-3501BK \$23.50



## H-14/16/18 LINE CATCHER

Prevent the mainsheet from falling into the gaps in the center or rear lacing by installing an 8" x 72" strip of mesh trampoline material between the grommets. The existing lacing does not need to be undone. Includes tie line.

30-3530 \$35.00



## CATAMARAN FOOTSTRAP KIT

These 6" adjustable straps feature 7mm neoprene padding to comfortably accommodate bare feet or sailing shoes. Their pre-formed arch eliminates collapsing and the exterior hook and loop closure system allows for quick and easy adjustment. Drilling instructions and self-tapping screws are included. Pair.

01-2015 \$36.00



## CATRAX FOR NACRAS AND INTERS

From Performance Catamarans for the recreational sailor! CatRax adds comfort and room — great for the sailing family! The illusion of trapezing in a carefree, easy way. All Nacra and Inter catamarans can be fitted with a CatRax. Typical assembly in less than five minutes.

56-2299 Please specify boat. \$1200.00



## SUREFOOT EVA GRIP KITS

These lightweight, water-resistant EVA foam strips are unmatched in durability. Kits include black, waffle-textured, EVA foam strips, adhesive and brush. H-14/16 kit includes four 4"x40" strips; universal kit has six 3"x50" strips.

30-2103 H-14/16 \$42.50

30-2104 Universal \$49.95

## HYDRO-TURF™

Hydro-Turf™ with 2-way, machine-cut grooves (waffle pattern) is 3/16" thick, offers the best traction, and is very flexible. Apply with contact cement. Comes as 40" x 50" sheet; half (20" x 50") and quarter sheets (10" x 50") are also available at a proportional price.

41-2991BK Black \$75.00

41-2991BL Blue \$75.00

41-2991GR Grey \$75.00

30-2011 Contact Cement—

1/2 Pint \$9.95

30-2020 1" Bristle Brush \$1.59



## NON-SKID TAPE

This self-adhesive tape makes a nearly permanent non-skid surface on water-slick decks or anywhere safe footing is a concern. The embossed texture is long-lasting and less abrasive than other treads.

30-1352BK Black 2" x 20' roll \$16.95

30-1352 White 2" x 20' roll \$16.95



## RE-DEK™ TRACTION SYSTEM

A quick and easy way to obtain a permanent, professional-quality traction for hull decks, etc. Eight ounces of this extra gritty, ultra-clear, non-yellowing formula covers approximately 18 sq. ft. Dries in two to three hours. Gallon size has no tray or roller.

40-2010 Kit with 8 oz. \$23.95

40-2011 Gallon—Formula Only \$89.00

## ARRIBA HIKING STICKS

These are the strongest, simplest and most popular sticks on the market. They feature a crosshatch textured grip with molded rubber end and a locking mechanism that has no moving parts. Integral cams lock one way and release the other. These black sticks are available in 3 fiberglass models and one carbon model. Includes yoke assembly. Fiberglass sticks are class legal for Hobie® racing, but carbon sticks are not.

## FIBERGLASS FX-03

For H-16 and 18, Turbo 14, Prindle®, Nacra® and 8' wide boats where the skipper will be trapezing. Extends from 50" to 91". 31 oz.

44-FX03 \$129.95

## FIBERGLASS FX-04

For all 8-1/2 to 10' wide boats where the skipper will be trapezing. Extends from 58" to 108". 34 oz.

44-FX04 \$139.95

## FIBERGLASS FX-06

For H-17/18 with wings or other 12' wide cats. Extends from 63" to 117". 37 oz.

44-FX06 \$149.95

OVERSIZED SHIPPING RATES APPLY

## CARBON CX-06

Carbon is the choice when you want a hiking stick that is even stronger and lighter than fiberglass. For H-17/18 with wings or other 12' wide cats. Extends from 62" to 117". 25 oz. Not Hobie Class legal.

44-CX06 \$295.00

OVERSIZED SHIPPING RATES APPLY

## REPLACEMENT GRIP

Factory replacement for Arriba sticks.

44-0001 \$5.00

## CORK BALL GRIP KIT

Replaces the stock Arriba, Murray or Hot Stick end grips. Predrilled, lightweight and easy to hold. Adhesive included.

44-0002 \$9.95



Some sailors like to "caramel-coat" the cork ball with leftover epoxy to make it last longer. Order more 2-part epoxy as needed.

00-0002-1 Epoxy Only \$2.19

## RELATED ITEMS

Righting Systems..... pg 37  
Tiller Crossbars & Rudder Kits .....32-33

## MURRAY ALUMINUM SILVER HIKING STICKS

These silver-anodized aluminum sticks feature the most positive twist-locking device available. The shaft is constructed of aircraft grade 6061 T-6 aluminum, which is lighter in weight and more economical than fiberglass, but less durable. The yoke assembly is strong and serviceable. Not legal for Hobie® class racing.

## SILVER STICK 40" - 96"

This 3-piece tiller extends twice and is for all 8' wide cats where the skipper will be trapezing. Unique 3-piece design retracts so it does not extend beyond tiller crossbar, making it very handy when sailing near docks or other boats. Three-piece design requires good technique and practice to operate properly. (Originally designed for Sol Cat 18.) 23 oz.

01-1331 Stick \$65.00

01-0066 Replacement Plug —  
1-1/8" OD \$6.00

## SILVER STICK 42" - 72"

For all 8' wide boats where the skipper will not be trapezing. Extends once. 17 oz.

01-1311 Stick \$55.00

01-0065 Replacement Plug —  
1" OD \$5.50

## SILVER STICK 54" - 96"

For all 8' wide boats where the skipper will be trapezing. Extends once. 20 oz.

01-1321 Stick \$60.00

01-0065 Replacement Plug —  
1" OD \$5.50

## YOKE ASSEMBLY

Replacement parts for all sticks sold by Murrays.

01-0062 Yoke with Spacer \$8.70

01-0061 Contoured Spacer  
Only \$8.80

## A-C. QUICK RELEASE PINS

For a quick connection of hiking stick to tiller crossbar. One-hand release; just push the button, then pull. 1/4" x 1-1/4".

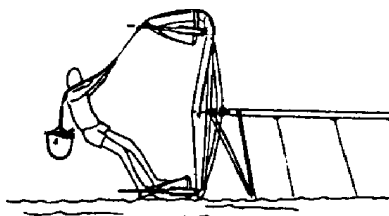
Detent pin has no button to push and is not positive locking.

A. 18-4D125 Detent Pin \$8.00

B. 18-4R125 Standard Pin \$20.00

C. 18-4M125 Deluxe Pin \$25.00

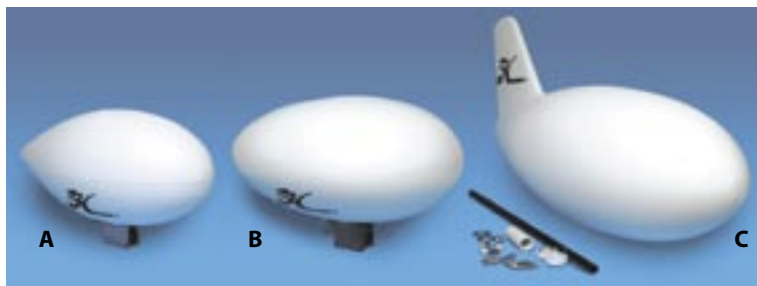




## BUCKET UP RIGHTING AID

Need a little more weight to right your cat? Fill this lightweight nylon bag with water and use it as a righting aid or a sea anchor. The bag is 13" dia. x 19" tall with a rope edge and comes with 1/4" x 16' poly line with a brass snap. Use as a righting aid or a sea anchor. Theoretical maximum capacity is 88 lbs.

11-5101 \$46.50



## A-B. "BABY BOB" & "MAMA BOB" MAST FLOATS

The Baby and Mama Bobs were designed to offer the safety and security of mast head flotation with minimized drag through the air. Both are fixed in position to the mast head and include the same mounting hardware. Recommended usages follow, but both Baby and Mama Bobs will fit the Wave, Getaway, H-14 or H-16 with or without CompTip. The Baby Bob is standard on all Waves and is also recommended for the H-14. The Baby Bob displaces 32 pounds of water, is 20" long x 11" diameter and weighs 2.65 lbs. The larger Mama Bob is standard on the Getaway and is recommended for the H-16 with CompTip; minor modifications (drill and tap) are necessary to fit H-16 with all-aluminum mast. The Mama Bob displaces 59 pounds of water, is 22" long x 18" diameter and weighs 5.85 lbs. Instructions are included for mounting on the recommended boats, with some drilling and tapping or light modification necessary for some boats.

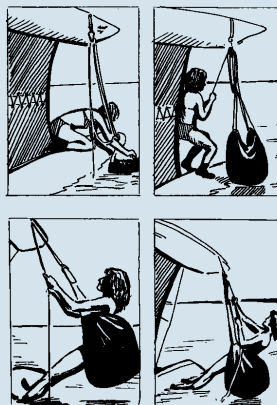
A. 07-30115 Baby Bob \$96.00

B. 07-30119 Mama Bob **OVERSIZED FOR AIR SHIPMENT** \$120.00

## C. "HOBIE BOB" MAST FLOAT

The Hobie Bob will give you the time necessary to prepare to right the boat without the worry of going turtle, even with weight on the upper hull. By keeping the mast head from contacting the bottom when capsized, the Hobie Bob also helps prevent damage to your rig and sails. This streamlined float is bracket-mounted for easy removal for racing or trailering. Its bearings allow rotation of the float to act as a wind vane for minimum drag while sailing. Originally designed for the H-21 Sport Cruiser, the Hobie Bob displaces 60 pounds of water and is perfect for larger boats, riveting to the side of almost any mast, including those with CompTips. The Hobie Bob is 30" long x 12" diameter and weighs 5.5 lbs. **OVERSIZED SHIPPING RATES APPLY**

07-30113 \$186.00



## CAT RIGHTING BIG BAG SYSTEM

A must for solo or lightweight crews to feel confident being able to right a capsized catamaran. Powerful enough to right bigger cats without loosening shrouds. Easy to install with no boat modification required. Bag attaches with velcro straps under the tramp for easy use and storage. Class legal for racing! Theoretical maximum capacity of the 18" x 32" bag is 250 lbs. The included 4:1 block and tackle kit does the heavy lifting for you! Complete and ready for use with blocks, cam cleats and 1/4" lines.

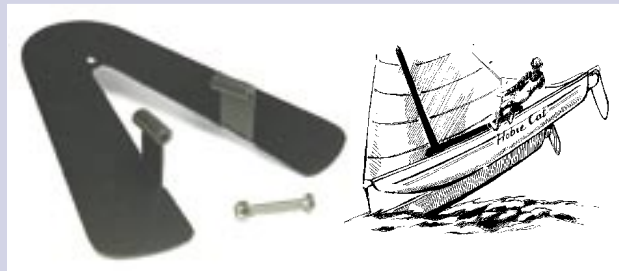
01-3280 System \$180.00

01-3282 Bag Only \$95.00

01-3273 Block & Tackle

System Only

\$90.00



## ANTI-PITCHPOLE HYDROFOILS

Reduce pitchpoling! This unique safety feature is a must for novice sailors. It also allows experienced sailors to drive the boat harder and faster. Easy on/off with no drilling. For the H-14/16.

01-3240 \$107.00



Photo: Tucson Hobie Fleet 514

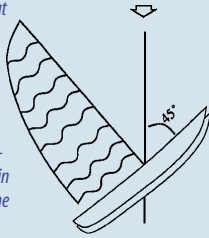


## "POWER RIGHTING"

### A CATAMARAN BY RICK WHITE

The following principles are useful, regardless of the righting system used.

*With the boat on its side, let it swing around until it has reached the power-righting position in relation to the wind.*



Catamarans have a much-undeserved reputation for being tippy and flippy. In fact, because of multihulls' inherent stability, it is difficult to capsize most catamarans in light to moderate air. Wind alone will not do it; it takes a lot of weight in the wrong place at the wrong time to make one roll over.

It is easier to capsize in heavy air. On the other hand, though, it is also easier to right the boat in heavy air. If you use my "power righting" technique, it will be easier and faster still.

## RIGHTING LINES

Before going out sailing, be sure you have righting lines installed.

## "POWER RIGHTING"

You have made a pilot error and your boat is going over. It will usually go over slowly and seemingly in slow motion. But don't just sit there and watch the show. Clamber to what is now the bottom hull and bring the righting line over the top quickly. As soon as possible, hike out on the bottom hull with the righting line to keep the mast lying on the water and disallowing the boat to turn turtle.

Once you have stabilized the boat on its side, move to the bows. By depressing the bows into the water and allowing the sterns to ride free of the surface, the wind will swing the boat around so that the bows will point into the wind.

Often, if you can get in the hiking position as the bows of the boat swing through the eye of the wind, you can get the boat righted in just a few seconds. Hike hard when the bows are directly in the wind; at that time the wind will get under the sails, and that, along with your hiked-out body weight, will right the boat. The beautiful part of power righting is that your cat will land on her feet facing directly into the wind with the sails luffing.

Suppose you were a little slow in getting ready to right the boat and you find that it has swung around so the mast is pointing into the wind. What do you do? With the righting line in hand, skipper and crew should go to the bows and depress them into the water, allowing the sterns to come clear. When they blow around and the bows face into the wind at a 45° angle, start hiking hard.

*Note: The above is an abridged portion of a chapter from Catamaran Racing: for the 90's written by Rick White and Mary Wells (Item #45-0052).*

## RIGHTING SYSTEM WITH INTERNAL SHOCK CORD

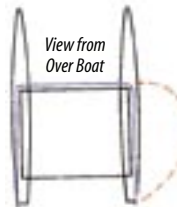
This kit features internal shock cord that snaps back out of the way when not in use. Extremely simple to install. Drilling holes is optional.



## STRETCH RIGHTING

Our most popular righting line kit. If the bow starts to bury, the line is readily available to both skipper and crew who can anchor themselves to keep from being catapulted forward. This beautifully simple system features easy-to-grip, 1/2" hollow braid line with internal shock cord that stretches for righting or trapezing and then recoils automatically after use. Easy installation by securing lines to each transom.

01-3294 H-14/16/17/18/18SX \$55.00



View from Over Boat

## RIGHTING SYSTEMS WITH PULLEYS

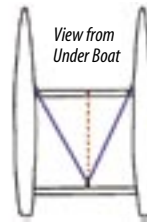
These three righting systems utilize external pulleys and shock cord. Because the shock cord is external, it is easy to notice wear or degradation and is much easier to replace than systems with internal shock cord.



## UNIVERSAL RIGHTING

Simple and effective. Big, 1/2" diameter, black polypropylene righting line is light and easy to access and grip, even when wet. The line self-returns under tramp after use. No knots to pre-tie or untie. The shock cord and pulleys provided hold line snug and are easy to adjust and service. Fits 8' to 8'6" wide catamarans.

01-8292 \$50.00

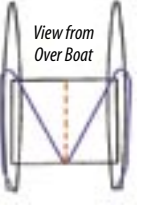


View from Under Boat

## HAWAIIAN RIGHTING

Doubles as a preventer line. Big 1/2" braided righting line is suspended by shock cord under the trampoline. Lines terminate at the transom. Behind-the-back support allows lighter crews to combine weight or solo skippers to have a free hand for scooping up water (as with the Bucket Up Righting Aid) to add leverage. Racing class legal.

01-3293 H-14/16 \$65.00  
01-4293 H-17/18/Prindle® \$75.00



View from Over Boat



## POWER POLE RIGHTING SYSTEM

This system employs a righting pole that is attached to the underside of the mainbeams. While underway, it rides under the tramp and attaches to the rear beam, safely tucked out of the way. Once capsized, you merely release the pole from the rear beam and swing it out perpendicular to the boat.



## POWER POLE RIGHTING SYSTEM

When a capsize occurs, get the bows of the boat into the wind to put less load on the boat and righting system and make it easier to right.

To right the boat, simply release the bungee that holds the pole out of the water and swing the pole out so it is perpendicular to the boat's fore/aft. Now, to get more righting leverage, raise the pole to around 40° above the straight-out position and then slip the stopper knot through the beam loop so it is ahead of the beam loop. Now, reach out and grab the pole at the end and hang onto it. The boat should come up very quickly.

Once the boat is up, release the stopper knot on the righting line from the beam loop and get back on the boat. After the boat is underway, the pole will come straight back in alignment to bungee back to the rear beam. Then off you go!

The Power Righting System is suitable for 14' to 20' cats. Complete with all parts and installation instructions.

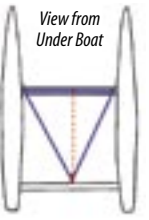
13-4101 Complete System \$249.00  
13-4101-1 Complete Less Pole \$110.00



## BIG CAT RIGHTING

Kit features extra line needed to bring bigger cats up from turtle position while keeping the deck clear for better footing. Extra length of 1/2" hollow braided line is quickly accessed by unhooking either or both ends of line with carabine hooks. Extra line is neatly suspended just aft of front crossbar and is held in place with shock cord. Blue water tested and proven! Fits H-20/21, Prindle 18.2/19 and Nacra 5.8/6.0.

01-8293 \$60.00



View from Under Boat

## RELATED ITEMS

Mast Floats..... pg 36  
Righting Bags.....36  
Rope & Shock Cord ..... 15

# 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 B C

## A. FIBERGLASS MAIN BATTEN SETS FOR HOBIES®

46-3011 H-16 6-Batten Main Set \$220.00  
46-3020 H-16 Main Set \$200.00  
46-3050 H-18 Main Set \$290.00  
50-38016001 Wave Set \$101.00

## B. FIBERGLASS JIB BATTENS FOR HOBIES®

46-3030 H-16 Jib Set \$74.50  
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 \$32.00

## UNIVERSAL FIBERGLASS BATTENS

### ASK ABOUT OVERSIZED SHIPPING RATES

#### A. 1" WIDE

46-3020-1 107-7/8" to 87-5/16" \$37.00  
46-3020-5 82-3/8" to 72-1/16" \$28.00  
46-3020-7 90-1/8" to 46-1/8" \$36.00  
46-3020-8 42-11/16" to 39-1/16" \$19.00  
46-3020-6 67-7/8" to 100-9/16" \$37.00

#### 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"	\$47.50
46-5000-75	74.5"	\$36.50	46-5000-107	108"	\$60.00
46-5000-95	94.5"	\$43.00			



## 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"	\$16.00	46-4500-84	.60 x .23 x 84"	\$34.00
46-4500-54	.60 x .20 x 54"	\$22.50	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"	\$45.00



### 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	\$37.00	\$28.00	\$36.00	\$19.00	\$37.00	\$19.00	\$15.00
Uncut Length	107-7/8"	82-3/8"	90-1/8"	42-11/16"	100-9/16"	69"	45-3/4"
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.

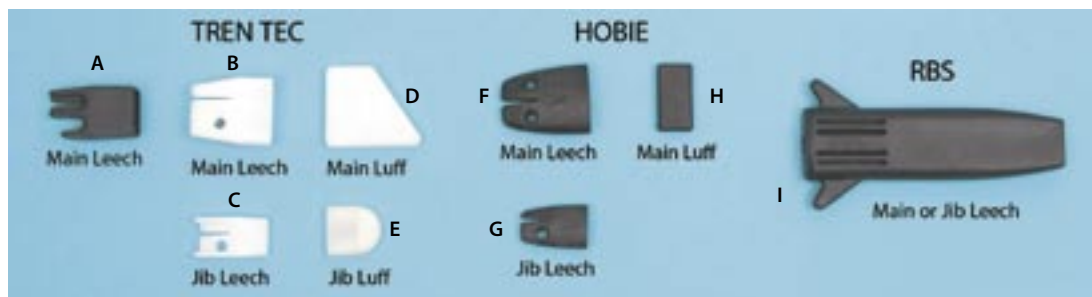
### STIFFNESS

**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



## 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 Macras)	\$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 Hobies® 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



## 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
D. 12-7005	P-18 Main 10/set	\$13.00

## F-H. HOBBIE® CAPS FOR FIBERGLASS BATTENS

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

F. 50-11323000	Hobie® Main Leech	\$2.80
G. 50-21333000	Hobie® Jib Leech	\$2.25
H. 50-11322011	Hobie® Main Luff	\$1.00
39-0221	Batten Tie—per foot	\$ .14



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 \$8.99



## 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	\$11.95
07-1490	H-16, 20/P/Sol 5 pr	\$19.80
07-1510	H-18/N/P 7 pr	\$27.60

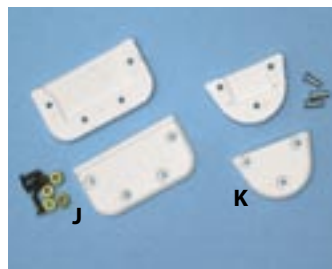
## I. RBS BATTEN TENSIONERS

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.

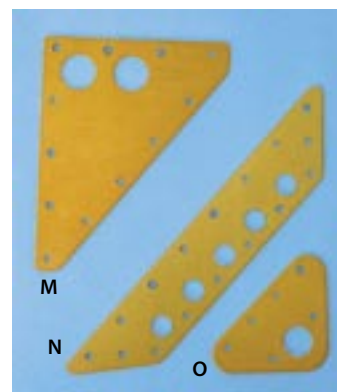
J. 01-1001	Main \$6.50
K. 01-1002	Jib \$4.00
19-2010	Brass Hex Nut \$.15
19-1510	Brass Screw \$.14
19-5006	Rivet \$.18



## 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	\$8.90
56-9862	Nacra/Prindle—Each	\$4.00



## M-O. MAIN HEADBOARD & TACK/CLEW KITS

Kits include one pair anodized aluminum plates with rivets. Replacement rivets are available separately. Set with a hammer.

M. 01-1014	Headboard Kit	\$18.50
N. 01-1012	5-Hole Clew Kit (H-16 Jib)	\$21.00
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 Hobies®.

50-80100501 \$15.20



## LEECH LINE CLEAT

Jib halyard tensioning cleat for zippered luff jibs.  
27-0212 \$7.50

## RELATED ITEMS

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

# SAILS

Aftermarket sails are available in a wide range of colors, including fluorescent choices. Colors may vary from photo.



## REPLACEMENT SAILS

### H-14, 16 & 18 SAILS

Same patterns... more options... better prices! Colors in 3.9-oz. Dacron include: black, white, fluorescent lime, fluorescent yellow, fluorescent orange, hot pink, red, orange, gold, yellow, emerald green, turquoise, light blue, ice blue, dark blue and purple. Heavy duty 5-oz. Dacron is available in white. Many construction details are better than stock! Most sails are made to order. Replace your favorite color(s) or design a new color scheme! Battens, viewing and tell-tale windows, logos and sail numbers are available options. Not class legal for racing. (Delivery: 14-28 days.)

### H-WAVE, H-17/18 & 21SE DACRON SAILS

Heavy duty, horizontal cut, Dacron sails will outlast Mylar originals! The overall size and shape is nearly the same as stock. Wave sail is 3.9 oz. and is available in white or color(s). The H-17 5.0-oz. mainsail includes viewing window and 2 bottom battens (trim your battens to fit other positions.) The H-21SE main is 5.0-oz. and includes full set of battens. (Sail may be ordered without battens!)

### PRINDLE 15, 16, 18, SOL CAT & ESCAPE SAILS

Horizontal cut Dacron sails by Super Sailmakers are listed as 3.9-oz. white. Color(s) and 5 oz. Dacron are available. Call for options.

## SAIL OPTIONS

30-5001 Viewing Window— Each \$60.00  
30-5002 Tell-Tale Window— Each \$30.00  
50-12430011 HC Sail Logos Black (pair) \$17.00  
See page 17 for sail numbers.

## SQUARE HEAD MAIN SAILS

Too good to be true? Not really... having a square head sail vs. a pin head adds noticeable power in lighter winds and when sailing off-the-wind. Then, through the use of a powerful downhaul to help flatten the sail and let the top twist-off, you can still maintain control in higher winds. Most of the 5-oz. replacement sails can be built with a square head for an additional charge of about \$100. Contact Murrays to order.

## OTHER REPLACEMENT SAILS

Any sail can be duplicated. We have patterns for Prindle, Nacra, Sol, Freestyle, etc. Your sail can be used as a pattern if no pattern is available. Call for information.  
3.9-oz. color and 5.0-oz. white sails for H-16/H-18 are available by special order.

## RELATED ITEMS

Battens .....	pg 38
Roller Furling Hardware.....	41
Sail Accessories.....	39
Sail Numbers & Maintenance.....	17
Tell-Tales.....	19

SAIL SELECTION CHART						
	AFTERMARKET SAILS			FACTORY SAILS		
Boat	3.9 oz. White	3.9 oz. Color*	5.0 oz. White	Shown are white sails without battens; please call for color options and prices.		
Wave Main	30-6003 \$605.00	30-6003 \$695.00	30-6003 \$695.00	50-38991000	\$710.00	
Wave Jib				50-38992010	\$196.00	
Getaway Main		30-6005 \$750.00	30-6005 \$750.00			
Getaway Jib		30-6005-1 \$250.00		50-37992071	\$286.00	
Tiger Sq Top Main				50-70991002	\$1665.00	
Tiger Jib				50-70992001	\$499.00	
H-14 Main	30-6010 \$510.00	30-6012 \$625.00	30-6013 \$715.00	50-10990010	\$703.00	
H-14 RF Jib	30-5012 \$275.00			50-10992511	\$331.00	
H-16 Main	30-6020 \$520.00	30-6022 \$755.00	30-6028 \$755.00	50-20991011	\$775.00	
H-16 Std Jib	30-6020-1 \$265.00	30-6025 \$355.00	30-6028-1 \$360.00	50-20992010	\$365.00	
H-16 RF Jib	30-5021 \$330.00	30-5021 \$360.00	30-5021 \$360.00			
H-17 Main			30-5112** \$885.00	50-52991000	\$1075.00	
H-17 Sport Jib	30-5112-1 \$285.00	30-5112-1 \$420.00	30-5112-1 \$440.00	50-52992006	\$394.00	
H-17 Super Jib	30-6030-1 \$440.00	30-6035 \$450.00	30-6038-1 \$450.00			
H-18 Main	30-6030 \$645.00	30-6032 \$925.00	30-6038 \$930.00	50-60991011	\$850.00	
H-18 Jib	30-6030-1 \$440.00	30-6035 \$450.00	30-6038-1 \$450.00	50-60992011	\$422.00	
H-18 SX Main			30-6039 \$905.00	50-68991100	\$1289.00	
H-18 SX Jib			30-6039-1 \$490.00	50-68992100	\$620.00	
H-20 Main				50-40991000	\$1430.00	
H-20 Jib				50-40992010	\$689.00	
H-21SE Main			30-6041 \$1135.00	50-30991200	\$1390.00	
H-21SE Jib			30-6044 \$575.00	50-30992200	\$640.00	
Inter 20 Main				56-8620	\$1450.00	
Inter 20 Jib				56-8621	\$548.00	
P-16 Main	30-8016 \$520.00	30-8016 \$685.00	30-8016 \$750.00		Call	
P-16 Jib	30-8016-1 \$260.00	30-8016-1 \$355.00	30-8016-1 \$360.00		Call	
P-18 Main	30-8018 \$640.00	30-8018 \$825.00	30-8018 \$840.00			
P-18 Jib	30-8018-1 \$330.00	30-8018-1 \$434.00	30-8018-1 \$448.00			
P-Escape Main	30-8017 \$590.00	30-8017 \$680.00	30-8017 \$695.00		Call	
P-Escape Jib	30-8017-1 \$305.00	30-8017-1 \$360.00	30-8017-1 \$360.00		Call	
Sol Cat 18 Main	30-6111 \$705.00	30-6111 \$998.00	30-6111 \$1000.00			
Sol Cat 18 Jib	30-6112 \$400.00	30-6112 \$530.00	30-6112 \$530.00			

Price shown is base price plus options.

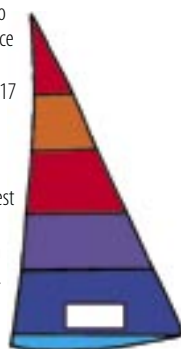
\* Please specify color when ordering. Multi-color may be an additional charge.

\*\* Please specify H-17SE (boom) or H-17 Sport (boomlet).

## H-17 SUPER JIBS

Easy to use, easy to control performance boosters. In very light breezes, a H-17 without a jib sits like a statue. The overlapping super jib grabs the lightest zephyr and directs it behind the main to propel the boat. Essential in up to 4-5 knots... "Fun!" at 6-10 knots... "Furl it!" over 12 knots. Off the wind, reach up a bit and blast off; you can hold it to about 20. Order roller furling and bridle crossbar hardware kits separately.

30-6030-1 3.9 oz. Horizontal Cut Jib White H-17/18 \$440.00  
30-6035 3.9 oz. Horizontal Cut Jib Color H-17/18 \$450.00  
30-6038-1 5.0 oz. Horizontal Cut Jib White H-17/18 \$450.00  
30-5112-1 3.9 oz. Sport Jib White H-17 \$285.00



## NOTES ABOUT AFTERMARKET SAILS

- Prices are for sails only. Prices do not include battens, class insignias, sail numbers, tell-tale windows or viewing windows in the main, except as noted.
- Horizontal cut, Dacron sails in 3.9-5.0 oz. are cut to factory specifications.
- Multicolor sails are limited to one sail color in each panel.

## H-14/16 ROLLER FURLING JIBS

Add safety, convenience and performance. Furl your jib while beached, or to reduce sail area. 3.9 oz. Dacron sailcloth in your choice of solid colors. Viewing window is included. Order hardware kit separately.



## SAILS FOR SUNFISH®

High quality sails at an economical price. These 4.0 oz. Dacron sails from Aerotech feature oversized stainless steel grommets, glued and triple-throw stitched seams. Assorted multi-color 3-ply luff panel combinations. Measure 13' at foot and 13' at luff. Not authorized by the Sunfish class for racing.  
30-7001 Colors As Available \$220.00  
30-7002 Custom Colors \$265.00





# ROLLER FURLING HARDWARE



**A** #30-5061 is shown;  
other kits may vary.  
Please see descriptions below.

## A. ROLLER FURLING JIB HARDWARE KITS

Furl your jib while beached to save your sail from flapping or for when flying a spinnaker. Specify boat model when ordering (Example: P-18.2 or N-5.8).

**A. Prindle®** kits (shown in photo) include: Harken® roller furling drum, upper forestay with Ronstan® swivel and 2" stainless steel ring, Harken® 279 cleat with eyestay for front crossbar, fasteners and instructions.

30-5061 Prindle: Specify Model \$275.00

**Nacra®** kit includes: Harken® roller furling drum with 10-hole adjuster and luff tension cleat attached, upper and lower forestay with Ronstan® swivel and Hobie® halyard block, halyard wire with block and shackle attached, halyard line, Harken® Micro cleat with eye strap for front crossbar, fasteners and instructions.

30-5051 Nacra: Specify Model \$375.00

**H-20** kit includes: Hobie® roller furling drum with 10-hole adjuster, upper and lower forestay with Ronstan® swivel and 2" stainless steel ring, halyard line with "S"-hook and sister clips, Harken® micro cleat with eye strap for front crossbar, fasteners and instructions.

30-5071 H-20 \$400.00

**H-20 Hobie®-Style** kit utilizes the Hobie® halyard system (as on the H-18). It includes: Hobie® roller furling drum with adjuster, Hobie-style jib halyard system, upper and lower forestay with Ronstan® swivel, Harken® micro cleat with eyestay for front crossbar, fasteners and instructions.

30-5081 H-20 Hobie-Style \$425.00

**H-16** kit includes: Harken® roller furling drum, pigtail, Ronstan® swivel and instructions.

30-5020 H-16 \$265.00

**H-14** kit includes: 1/8" coated shrouds, complete trapeze system (wires with adjustments), jib sheets and cleat assemblies, Harken® Micro cleat with eye strap for front crossbar, pigtail, Ronstan® swivel and instructions. A dolphin striker should be added if not already on the boat (see next column).

30-5015 H-14 \$595.00

## B-C. ROLLER FURLING HARDWARE

Harken's high load drum has maximum working load of 950 lbs., a height of 2-3/4", and a maximum drum diameter of 2-3/4".

**B.** 28-0165 Harken High-Load Drum \$160.00

**C.** 50-61900000 Hobie® Furler Assembly \$220.00

## HOBIE® FURLER TUNE-UP KIT

Includes bearings, bearing cage, nyliner, nylon sleeve, darby rings, spool and housing.

50-61900900 \$36.00

## D-F. ROLLER FURLING SWIVELS

The simplest, strongest and least expensive roller furling swivels for roller furling jibs. Harken swivel has a safe working load of 950 lbs., weighs 2.6 oz. and has a distance between pins of 2-1/2". Ronstan swivel eye/eye weighs 2.3 oz., 1-15/16" between center of holes, and has a 2200 lb. breaking load; eye-jaw weighs 2.1 oz., pin-to-center-of-hole measurement is 1-7/8", with a breaking load of 3740 lb.

**D.** 28-0164 Harken Hi-Load Swivel \$115.00

**E.** 21-0078 Ronstan Swivel Eye & Eye \$56.10

**F.** 21-0788 Ronstan Swivel Eye & Jaw \$61.50



## H-14 DOLPHIN STRIKER

Supports the mast and maintains front crossbar integrity. Needed for trapeze, heavy air sailing or jib kits. Racing class legal. Includes black anodized post, wire, two eye bolts with nuts, rivets and instructions.

01-2083 Kit \$80.00

01-0106 Eye Bolt Only \$3.00



## SUPER H-17 ROLLER FURLING JIB HARDWARE KIT

Give your 17 more horsepower! Improves light wind performance to weather and under all conditions off the wind. Hardware kit includes bridle crossbar with Harken® roller furling drum and upper swivel, Harken® jib cleats mounted on 18" jib track, sheets, halyards, necessary hardware and instructions.

OVERSIZED SHIPPING RATES APPLY

30-5104 Hardware Kit \$900.00

01-1350 H-17 Crossbar Assembly \$255.00

## RELATED ITEMS

Line ..... pg 15  
Sails.....40

# SPINNAKER HARDWARE



Photo: Hobie Cat



## UNIVERSAL SPINNAKER POLE KIT

Simplify spinnaker tack control. This pole moves tack forward for better air flow between the main and spinnaker. Unique bridle wire assembly rigs to end of pole and resists line fouling. Internal tack control line is controlled with conveniently located cam cleat and exits smoothly through plastic guide. The 2" pole is maximum class legal length for H-21 (144"), but ships in two pieces for convenience and economy. By Hobie®.

OVERSIZED SHIPPING RATES APPLY

50-40999000 Spinnaker Pole Hdw Kit \$551.00

G. 50-40998000 Pole Only \$258.00



## MID-POLE SNUFFER SYSTEM

A snuffer funnels the spinnaker into the sock to facilitate launching and retrieval, even while sailing a triangular course. Keeps the tramp clean.

### SNUFFER HOOP

Fiberglass ring attaches to spinnaker pole to guide the spinnaker in and out of the sock.

56-9710 \$245.00

### SNUFFER SOCK

Holds sail when not in use.

56-9711 \$160.00

### SPINNAKER POLE

1.5" OD aluminum pole is 12 feet long. Cut to fit. Delivery of pole is by DHL or other arrangement. Attach pole to boat with cap and pin. Order a second pin for a more finished appearance.

56-9622 Pole \$152.00

56-9625 End Cap (1-5/16" OD) \$9.00

56-9626 Main Beam Pin \$9.00

## SMALL MAST TANG

Stainless steel tang with four mounting holes is used for mounting spinnakers.

56-6607 \$12.00



Photo: John Healey

# PORTS & ACCESSORIES



## CONTOURED 4" & 5" PORTS

Each screw-in port includes one deck ring and one lid. The deck ring has a contoured surface for leak-free installation on a curved deck. The kit includes two ports, nylon fasteners, silicone sealant and instructions. Cat Bags are not included. By Viking Marine.

### For H-14, N-5.0, N-5.2, N-5.8

01-1161WH	4" Port only White	\$9.75
01-1161BK	4" Port only Black	\$9.75
01-1164WH	4" 2-Port Kit White	\$37.00
01-1164BK	4" 2-Port Kit Black	\$37.00

### For H-16

01-1171WH	5" Port only White	\$11.50
01-1171BK	5" Port only Black	\$11.50
01-1174WH	5" 2-Port Kit White	\$40.00
01-1174BK	5" 2-Port Kit Black	\$40.00

Sorry, lids are not available separately.



## A-B. CAT BAGS

Sturdy nylon bags with plastic collars hang inside Viking access ports on a molded shoulder. 4" port bags are 9" deep. 5" and 6" bags are 12" deep. Fat Cat bags have the same depth, but 12" maximum diameter for greater storage capacity.

A.	01-1169	4" Cat	\$16.50
B.	01-1170	4" Fat Cat	\$19.75
	01-1178	5" Cat	\$18.50
	01-1179	5" Fat Cat	\$25.00
<b>For H-18 Viking Screw-In Ports (#01-4210)</b>			
	01-4212	6" Cat Bag	\$20.00
	01-4213	6" Fat Cat Bag	\$28.00



## FLAT DECK 4" & 5" PORTS

Each screw-in port includes one deck ring and one lid. The deck ring is designed to install on a flat surface. A lip accommodates Cat Bags (not included). By Viking Marine.

01-1191WH	4" Port White	\$9.50
01-1195WH	5" Port White	\$11.25



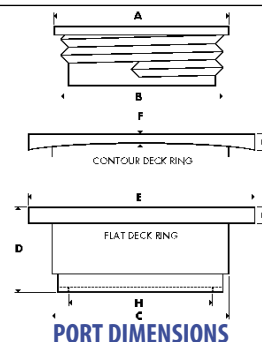
## SCREW-IN 6" PORTS

Standard on Hobie® 18 and new Prindle cats; upgrade for older Prindles. Install on any flat deck, including kayaks, where there is 8-1/2" of flat surface available. The 6" port by Viking has a lip for a Cat Bag. Each.

01-4210	White	\$14.00
01-4210BK	Black	\$14.00

## WHY INSTALL DECK PORTS?

Deck ports provide ventilation, access to storage space and entry for inspection or repair. They are a good way to dry out hulls so that your boat is not carrying around excess weight. Black color has superior UV resistance.



PORT DIMENSIONS

	4" contour	4" flat	5" contour	5" flat	6" screw-in
A	4-15/32"	4-15/32"	5-15/32"	5-15/32"	6-7/16"
B	4-1/8"	4-1/8"	5-1/8"	5-1/8"	6-1/8"
C	4-1/2"	4-1/2"	5-1/2"	5-1/2"	6-1/2"
D	7/8"	7/8"	7/8"	7/8"	1-1/4"
E	5-3/4"	5-3/4"	6-3/4"	6-3/4"	8-3/16"
F	3/32"		1/8"		
G	1/4"	3/16"	3/16"	3/16"	1/4"
H	3-3/4"	3-3/4"	4-5/8"	4-5/8"	5-9/16"

## WHICH PORT FITS WHICH BOAT?

01-1161WH or BK Contoured 4"	01-1171WH or BK Contoured 5"	01-1191WH Flat 4"	01-1195WH Flat 5"	01-4210 Screw-In 6"
H-14	H-16		Tiger*	H-18
Nacra aft & forward**	Wave	Nacra forward**	H-20	
Inters				Prindles

\*Fill and redrill fastener holes \*\*Forward is on-stock; choose flat or contoured depending on location

## REPLACEMENT "O" RINGS FOR VIKING PORTS

01-1161OR	For 4" Port	\$1.00
01-1171OR	For 5" Port	\$1.50
01-4210OR	For 6" Port	\$1.50

## PORT INSTALLATION

Apply silicone generously to ring and deck. Do not overtighten fasteners as this may deform ring. Fastener kits include all needed fasteners for two ports plus Silicone sealant.

01-1159	Fastener Kit White	\$16.95
01-1160	Fastener Kit Black	\$16.95
40-8019	Clear Silicone 3 oz	\$10.95
19-1520BK	Nylon Screw #8-32x1-1/4" Black	\$.28
19-1520WH	Nylon Screw #8-32x1-1/4" White	\$.28
19-4006WH	Nylon Washer #8 White	\$.06
19-2020WH	Nylon Hex Nut #8-32 White	\$.20
19-1517	Flat Head Machine Screw 8x1" Stainless Steel	\$.30
19-2016	Hex Nut 8x32 Stainless Steel	\$.16
19-4011	Washer Stainless Steel	\$.20



## TWIST-LOCK DECK PLATES

Feature a twist lock handle which allows easy removal without pry tools. The polypropylene deckplates are acetone resistant. Each.

01-1184WH	6"	\$26.00
01-1185WH	8"	\$36.00



## RELATED ITEMS

Folding Anchor	pg 18
Telescopic Paddle	18



## VIDEO: CATAMARAN SAILING

Two highly professional, expertly edited interactive DVDs present a complete guide to sailing beach catamarans, from launching to first tacks to regatta. Whether you are a beginner or seasoned regatta competitor, you will find these 5 hours of film to be full of information and inspiration. The film was shot using a system capable of simultaneously recording several cameras placed on the catamarans and chase boats and are used to illustrate the techniques presented by Mitch Booth and Herbert Dercksen (Tornado), Darren Bundock and Glenn Ashby (F18), Glenn Ashby (A Class) and Emmanuel Boulogne (F18). The interactive interface makes it easy to move from one sequence to another. The DVDs can be used on newer DVD players or personal computers and they are PC/Mac compatible.

45-0012 DVD \$59.95



## VIDEO: CATAMARAN SAILING—A STEP BY STEP GUIDE

This video is Murray's choice for beginners. It is easy to understand and provides a boat load of information. With helpful 3-D computer graphics, sailing champion Brian Heffernan covers trailering, rigging, trapezing, capsizing, points of sail, parts of the boat, and sailing in light and moderate breezes. 45 minutes.

45-2041 VHS \$28.00

45-2043 DVD \$30.00



## RICK WHITE'S VIDEO SAILING SEMINARS

Improve your catamaran sailing and racing skills! Rick White's Video Sailing Seminars cover all parts of sailing and are great learning tools for the beginner and novice sailor through advanced racer. Each video is 30 to 40 minutes in length.

45-2029 Entire Series on One DVD \$99.00

45-2020 Total Boat Handling VHS \$29.95

45-2021 Upwind Sailing VHS \$29.95

45-2022 Great Starts and Finishes VHS \$29.95

45-2023 Great Mark Roundings VHS \$29.95

45-2024 Downwind Sailing VHS \$29.95



## VIDEO: CATAMARAN RACING

Whether you're a pro looking for a few pointers to increase your success on the race course or a beginner wondering how to get involved in racing, *Catamaran Racing* has the answers. Top racers from around the world share their experiences and offer valuable insight into the fast and exciting sport of catamaran racing. The topics include: Your First Regatta, Course Layout, Starting Technique, Rules of the Road, Mark Rounding, Launching in Surf, and Racing Strategies. 40 minutes.

45-2042 VHS \$28.00

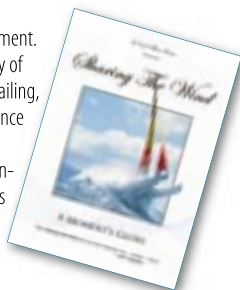
45-2044 DVD \$30.00



## VIDEO: SHARING THE WIND & A MOMENT'S GLORY

Two films are combined on a single DVD for more action and entertainment. Filmed in Hawaii and California, *Sharing the Wind* captures the intensity of championship Hobie® catamaran racing and the magic of recreational sailing, hull-flying in conditions that demand perfection, and a stunning sequence of crews performing synchronized, ballet-like maneuvers. *A Moment's Glory* is an action-packed film covering the World Catamaran Championships of the 16-foot Hobie Cat that were sailed in the warm trade winds off Waikiki Beach. Eighty-four of the best cat sailors from nineteen countries gathered in Hawaii to compete for this coveted World Title. The two movies run 51 minutes total.

45-2040 DVD \$30.00



Sorry, videos may not be returned unless defective. All VHS videos are NTSC format and are not compatible with PAL or SECAM.

## CATAMARAN SAILING FROM START TO FINISH

This book is Murray's choice for the beginner and semi-experienced catamaran sailor. It offers a complete course in catamaran sailing for anyone who wants to become more skilled in the arts of tuning, handling and racing cats. In addition to sections on buying a cat, learning the basics, heavy-weather sailing, mastering the fine points, racing tactics, and surfing, it includes a new chapter on high-performance sails, covering how to use spinnakers, reachers, screechers, and fathead mainsails. By Phil Berman. 219 pages. Revised edition ©1999. Paperback.

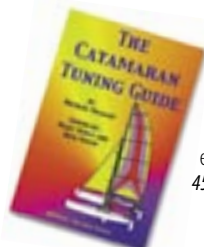
45-0135 Book \$24.95



## THE CATAMARAN TUNING GUIDE

This book starts at the basics and works its way to high-tech—a good choice for beginner, novice, journeyman or hotdog. By Michael Fragale; edited by Rick White and Mary Wells. 128 pages. ©1999.

45-0054 Book \$30.00



## CATAMARAN RACING: FOR THE 90'S

This is the ultimate catamaran sailing book. With nearly 50 diagrams, the founders of Rick White's Sailing Seminars teach cutting-edge techniques for this new generation, including the "Wild Thing," (a hot, faster way to sail downwind) and the "Catamaran Roll-Tack," (a trick to get your tacks down to only 5 seconds). Plus a great lineup of chapters contributed by famous world-class sailors. 352 pages. ©1992. Paperback.

45-0052 Book \$30.00



## SAILING DRILLS: HOW TO SAIL BETTER, FASTER, SMARTER, SAFER

Rick White and Mary Wells of Rick White's Sailing Seminars have compiled a book of drills that dissect sailing and racing. These intensified drills can eliminate years of improper practice time, years of trial and error, years of following others around the course, and years of disappointment! 160 pages. ©1995. Paperback.

45-0053 Book \$30.00



## SAILOR'S START-UP: A BEGINNERS GUIDE TO SAILING

A light, straightforward introduction to the sport of small boat sailing. Stuffed with over 100 photos, the text covers the basics of gear, conditions, technique, safety and etiquette for monohull and catamaran sailing. Guaranteed to inform and motivate. By Doug Werner. 140 pages. ©1994.

45-0110 Book \$9.95



## OWNERS' MANUALS

Factory manuals are invaluable.

50-13450000	H-14 Assembly	\$5.25
50-23450000	H-16 Assembly	\$5.25
50-50450001	H-17 Assembly	\$5.25
50-52450011	H-17 Sport Assembly	\$5.25
50-63450000	H-18 Assembly	\$5.25
50-43450001	H-20 Assembly	\$5.25
50-33450001	H-21SE Assembly	\$5.25
50-36450000	H-21 Sport Cruiser Assembly	\$5.25
50-38450000	Hobie® Wave Assembly	\$5.25
56-9558	Nacra Assembly	\$6.00
56-9050	P-15/16/18 Owner's	\$6.00
56-9058	P-18.2/19 Owner's	\$6.00



## ILLUSTRATED PARTS LISTS

Learn the real name of that thingamajig and make ordering parts easier. An excellent resource for sailors doing maintenance and repairs.

50-87162810	H-14/16 Parts	\$1.00	50-87167021	H-21 Parts	\$1.00
50-87173000	H-17 Parts	\$1.00	56-0300	Nacra Parts	\$1.00
50-87166810	H-18 Parts	\$1.00	56-0200	Prindle Parts	\$1.00
50-87167020	H-20 Parts	\$1.00	56-0400	Inter Parts	\$1.00

# MURRAY'S CATAMARAN HARNESSES

## MURRAY RACE HALF & FULL HARNESSES

- Battens provide significant back support!
- Contoured and adjustable fit: Our most comfortable harnesses.
- Padded with 3/8" closed-cell foam: Does not retain water.
- 500 denier Cordura outer layer is more durable than pack cloth.
- 1000 denier Cordura seat is super durable at point of most wear.
- Cordura Seat is padded with 1/4" neoprene.
- New non-skid patches reduce slipping on deck and tramp.
- Padded leg straps offer support and comfort advantages.
- Race Harness is compatible with all trapeze buckles sold by Murrays.
- Weight of Race Full size L: 1 lb. 13 oz. (2 lb. 5 oz. with Murray 10" spreader)
- Color: blue or black.
- Order trapeze buckle separately.



*Murray's harnesses do not come with trapeze buckles. See page 46 for a complete selection.*

### RACE HALF HARNESS

Order spreader separately.

\$99.00

- 30-0243BL Medium Blue
- 30-0243BK Medium Black
- 30-0244BL Large Blue
- 30-0244BK Large Black
- 30-0245BL X-Large Blue
- 30-0245BK X-Large Black



### RACE FULL HARNESS

Order spreader separately.

\$130.00

- 30-0342BL Small Blue
- 30-0343BL Medium Blue
- 30-0344BL Large Blue
- 30-0345BL X-Large Blue \$135.00



### TRAPEZE COMFORT & SAFETY

- Wear a wetsuit under your trapeze harness to protect yourself from abrasion and to help hold the harness in its proper position.
- Be sure side-release buckles are completely closed before hiking out!
- Check trapeze control lines for proper height (dogbone should pull down to within 9" of sidebar), for wear (replace frayed or sun-damaged lines), and be sure that knots are securely tied.
- Wear non-slip footwear and/or prepare hulls or sidebars with a non-slip surface.

### RELATED ITEMS

Gul Harnesses .....	pg 47
Spreader & Buckles .....	46
Trapeze Adjustment Kits .....	49
Wetsuits .....	10-11

### HARNESS FITTING HINTS

The primary determinant of fit is waist (or hip) size. You need to be able to wrap the harness "wings" around your sides far enough that they protect you from the buckle straps, but not too far. If you start with the buckle at the height of your belly button and proceed to secure the leg loops and then the buckle hold-down straps, the harness will be in its proper position. Be sure that the buckle does not move north when the shoulder straps are tightened. A wetsuit (short or long john) is very helpful to prevent the harness from sliding out of position. Excess strap can be cut and/or laced neatly back through the buckle.

#### MURRAY HARNESS WAIST SIZES

Small	22" - 30"
Medium	28" - 34"
Large	32" - 38"
X-Large*	36" - 44"

\*Race Harness only



Photo: Heath Photography



# MURRAY'S CATAMARAN HARNESSSES

## HARNESS CONSTRUCTION DETAILS

All Murrays harnesses are made in Santa Barbara, California. The materials are selected for their function and durability. All harnesses are padded with 3/8" closed-cell foam and are lined with 8-oz. nylon pack cloth. Extra-long polyethylene straps facilitate fitting skippers and crews of many sizes and shapes. The outside shell materials include 8-oz. pack cloth or heavier-duty 500 or 1000 denier Cordura®.

## MURRAY FREEDOM HALF HARNESSSES

- Contoured and adjustable to fit your shape: More comfortable than the Classic harness for longer periods of trapezing and for heavier sailors.
- Padded with 3/8" closed-cell foam: Does not retain water.
- 500 denier Cordura outer layer is more durable than pack cloth.
- Padded leg straps offer support and comfort advantages.
- Non-skid patches reduce slipping on deck and tramp.
- Freedom Harness is compatible with all trapeze buckles sold by Murrays.
- Color: blue.
- Order trapeze buckle separately.

\$87.50

30-0332BL Small  
30-0333BL Medium  
30-0334BL Large



Murray's harnesses do not come with trapeze buckles. See page 46 for a complete selection.

## MURRAY CLASSIC HALF HARNESS

- Contoured and adjustable to fit your shape: Good comfort for recreational (shorter) sailing.
- Padded with 3/8" closed-cell foam: Does not retain water.
- Fits wide size range and is quick and easy to adjust: Ideal for sharing!
- 8-oz. nylon pack cloth is durable and easy-care.
- Adjustable diaper-style harness is compatible with all trapeze buckles sold by Murrays.
- Color: blue.
- Order trapeze buckle separately.

\$59.00

30-0212BL Youth/Small  
30-0213BL Medium  
30-0214BL Large  
30-0212 Replacement Dowel \$5.50



## CHOOSING A HARNESS

### For Recreation

The basics: Murrays half harnesses are well made, easy to adjust and fit a wide range of sizes. Beyond the basics: Less is more; the simpler, the better for recreational sailing.

- Classic half harness provides a nice, padded, tailored fit with a "beaver tail." It is simple and economical.
- Freedom half harness uses leg loops instead of "beaver tail" which adds two more straps, but is more comfortable for longer sailing sessions "on the wire."
- Race half harness provides outstanding comfort, durability and support. It is used by many racing skippers who do not feel the need for the shoulder support of a full harness, even for a full weekend of racing.

### For Distance Sailing and Racing

More support equals more comfort which requires more adjustments. Most adjustments on all Murrays harnesses have a "memory," so once the harness is adjusted, it stays adjusted from one day to the next.

- The Murrays Race FULL harness has been proven again and again by weekend racers and by long distance racers. The Race harnesses are built to last and the back support (batten system) is the most emulated feature in top end trapeze harnesses today. (If racing started on the beach and included dressing, all harnesses would use the Murray SR buckle and strap system because it is SO much faster and easier to put on than the others!)

## Catamaran vs. Dinghy Harnesses

Catamaran harnesses by Murrays are generally more user friendly; they are faster and easier to put on and adjust, and many adjustments have a "memory." To avoid loose strap ends, simply trim the adjustment straps and pass the loose ends back through the buckles where they will be contained and restrained.

Dinghy harnesses by Gul (and others) may appear to be simpler. This "simplicity" is an attempt to avoid "snagging" rigging while maneuvering in the close quarters and complex rigging environments of the new high performance dinghies. The cost of simplicity is extra time and effort to properly adjust the harness.

## Safety Issues

- Trapeze hook can snag on rigging or anything else: This IS serious, but avoidable.  
*Solution: See Key Hole and Quick Release Trapeze Hook Systems on page 46.*
- "Slippery when wet" connection between harness seat and cat deck (fiberglass hull or poly mesh trampoline).  
*Solution: Apply non-skid tape or EVA foam pads to slippery decks or side bars.*  
*Solution: Murray Freedom and Race harnesses have "non-skid" patches on the seat areas that really work!*
- Quick release adjustment buckles pre-release: Not much of an issue, but it has happened.  
*Solution: Double check the buckles to see that they are properly closed before you hike out!*
- Strap adjustment buckles "snag" on rigging: Murphy knows that it can happen!  
*Solution: Wear a close fitting Lycra jersey over everything! (see page 10)*  
*Solution: Gul and Da Kine harnesses have neoprene covers over most strap adjustment buckles.*

# SPREADERS & HOOKS



Photo courtesy of Craig Schiffhens



## STAINLESS SPREADER BAR

Strongest, most comfortable trapeze hook system! This 10" spreader is recommended for all Murray harnesses. Wide hook system greatly enhances comfort by reducing hip squeeze. Shoulder straps move freely with your movements through smooth stainless attachment loops. No trapeze ring retaining mechanism to fail or foul. Stainless steel with black powder coating. Hook is welded at two points for superior strength. 8 oz.

01-0137 \$30.00



A

## A-B. SPREADERS WITH QUICK RELEASE HOOK

The QRH has been designed to answer increasing demand for a quick release device for capsized trapezing boats. Without impairing performance, weight, or trapezing effectiveness, the push-button mechanism can be activated even with pressure on the hook and will help to release a trapped crew. The rubber retainer saves the hook for next time. Fits most harnesses that have webbing attachment (not Da Kine) and supports 440 lbs. (220 kg). Vigorously tested by experts and beginners. Trapeze hook is replaceable if lost. 10" spreader weighs 12 oz.; 6" is 11 oz.



B

A. 01-0402 10" with QRH Hook \$129.00

01-0409 6" with QRH Hook \$129.00

B. 01-0403 Replacement Trapeze Hook with Retainer \$25.00

## FASTEX BUCKLES

A plastic, two-part side release buckle. Size indicates width of the webbing; 1-1/2" is used on Murray harnesses.

01-0148 3/4" \$2.00

01-0145 1" \$1.50

01-0146 1-1/2" \$2.25

01-0147 2" \$2.50



C



D



E



F

## C. "KEY-HOLE" SYSTEM

The safety-minded Key-Hole system offers many advantages over the traditional hook design. Its low profile design is less likely to get hooked unintentionally and the system will stay hooked until purposefully removed. A low profile means much easier reboarding and less likelihood of scratching gel coat, point loading or damaging a hull. Ball-end trapeze rings are lighter and less dangerous than stainless dogbones or trapeze rings. The 10" Key-Hole buckle fits Murray harnesses except Classic (unless you sew it on), all Gul, Magic and most Hobie harnesses. The super-strong carbon buckle weighs only 7.5 oz. Order buckle and connectors (sold by the pair) separately.

### Key-Hole Buckle

01-0311 Carbon Key-Hole Buckle Only \$99.00

### Key-Hole Connectors

D. 01-1212 Key-Ball "Original" Connectors—pair \$26.00

E. 01-1213 Key-Ball Can't Hurt Connectors—pair \$25.00

F. 01-0142 Key-Ball Can't Miss Connectors—pair \$27.00



Spreader and connectors are sold separately

3

2

1

### THE BASICS OF TRAPEZING

1. Start by sitting on the hull or sidebar with the trapeze ring hooked to the harness. The trapeze system should be adjusted so that the rope lock is snug to the turning block.
2. Using one hand to steady yourself, slowly ease your weight over the side by pushing out on the deck or trampoline with your feet. Your other hand should be holding onto the trapeze handle for balance. Stand on the side of the hull or sidebar with your weight hanging from the wire.
3. When pushing out, try to keep more weight on your forward foot with your feet spread about two feet apart, keeping your aft leg slightly bent. For coming in, reverse the entire process.
4. The correct trapeze setting is to have your body resting nearly parallel to the trampoline. Beginners can set it a little bit higher, and experts a little bit lower. To adjust trapeze height while sailing, use an adjustable trapeze kit (see page 49).



# DA KINE & GUL CATAMARAN & DINGHY HARNESSSES

## DAKINE

### A. DA KINE SAILING HARNESS

Da Kine's experience in windsurfing and kiteboarding harness construction has paid off! Shaped to your body, this harness provides superior support and good fit without being too bulky. The innovative Independent Power Belt incorporates an elasticized primary belt that provides total closure security, as well as back and side support, giving the sailor a positive harness positioning that leads to greater comfort and performance. The adjustment buckles are covered with neoprene to reduce the chance of snagging during critical maneuvers. The Power Clip quick-release buckle makes getting in and out of the harness a breeze. This dual stainless system connects instantly and securely to both ends of the spreader bar. The webbing then connects to the quick release, not the bar ends, making for ultra-smooth adjustment and greatly reduced bar roll. The system works equally well for right- or left-handed entry and release. Black with red accents. The Murrays 10" spreader (#01-0137; sold separately) is the perfect complement, as its width further enhances comfort by reducing hip squeeze. This harness is not compatible with the Key-Hole Buckle #01-0311 and Quick Release Hooks #01-0402 and 01-0409.

\$130.00

32-9011 *Small*  
32-9012 *Medium*  
32-9013 *Large*  
32-9014 *X-Large*



POWER  
CLIP  
QUICK-  
RELEASE  
BUCKLE

#### DA KINE HARNESS WAIST SIZES

Small	30" - 32"
Medium	32" - 34"
Large	34" - 36"
X-Large	36" - 40"



A

Spreader  
sold separately



B

### B. GUL "PRO ULTIMATE" HARNESS WITH SPREADER

- Thermoformed padded back support.
- Adjustable snap buckle fastening.
- Race tested.
- Adjustable thigh straps.
- Full personalized adjustments.
- Lightweight, durable construction.
- Wide load-bearing spreader bar is included.

\$149.00

34-2092-1 *Junior Large*  
34-2092-2 *Small/Medium*  
34-2092-3 *Large/X-Large*



Photo: Tucson Hobie Fleet 514

### D. GUL "STOKES" HARNESS WITH SPREADER

- Padded sides.
- Adjustable back pads.
- Adjustable buckle fastening.
- Full personalized adjustments.
- Ladder lock adjuster covers.
- Universal spreader bar attachments.
- Wide load-bearing spreader bar is included.

\$99.00

34-2032 *Junior Large*  
34-2035 *Small/Medium*  
34-2037 *Large/X-Large*



#### GUL HARNESS WAIST SIZES

Junior Large/Adult Small	26" - 30"
Small/Medium	29" - 35"
Large/X-Large	35" - 40"

All GUL harnesses include spreader bars.



D

# TRAPEZE RINGS, HANDLES & ACCESSORIES



## A. NYLON TRAP HANDLE

A contoured safety grip and a wire guide prevent hand contact with wire. A recessed cavity in the base holds the nicropress oval and shields the sailor from sharp wire ends. Each.

27-0412 \$4.60

## B. RONSTAN TRAP HANDLE

Add color and comfort with Ronstan's molded nylon trapeze handle. Skipper and crew's trapeze can be color-coded for easy identification. Green has been discontinued by the manufacturer. Each.

21-0171R Red \$6.80

21-0171B Blue \$6.80

## C. REPLACEABLE TRAP HANDLE

Foam-covered aluminum handle is easily installed onto existing trapeze wire. Carry a spare as a temporary repair, then replace the wire at your convenience. Each.

07-2010 \$19.20

If a trapeze handle has been broken, a single trapeze wire can be purchased. Please refer to page 52.

## D. CAN'T HURT

A light and flexible alternative to "hard" stainless steel dogbones. Black high pressure nylon tubing covers 1/8" (1x19) stainless steel wire. Pair.

01-0123 \$18.00

## E. CAN'T MISS

Designed to allow the sailor to hook-up without even looking at his trapeze hook. This lightweight, extra-wide hook-up ring has a center-hold handle with molded finger ridges. Double swaged 1/8" (1x19) wire is color-coated with high pressure nylon tubing. Pair.

01-0124BK Black \$25.00

01-0124BL Blue \$25.00

01-0124RD Red \$25.00

## F. DOGBONE

Original equipment for Hobie® trapeze systems. 6" long with 1-1/2" rings. Each.

25-3610 \$12.95

## G. 7-1/2" ELONGATED RING

Easy-to-hold short keyhole with two adjustment positions. 7-1/2" long with 1-7/8" ring. Each.

25-3620 \$10.00

## ROPE LOCK

Easy-to-adjust black rope stop and lock for trapeze height adjustment.

Standard on Hobie®, Nacra and Prindle.

Double-up back-to-back for extra strength. Each.

01-0120 \$2.25

## SMALL BULLET BLOCK

As used in our No-Cut EZ-Up Trap Ring Return Kit. 1-3/16" sheave, Teflon® bearing. 5/16" line capacity. Each.

23-0911 Small Bullet Block \$7.00

23-0912 with Removable Sheave \$7.00

## HARKEN® MICRO SINGLE BLOCK

A premium quality block for your trapeze return system. Either swage in place or hang with #21-0615 shackle. Block has 7/8" sheave, Delrin ball bearings and 1/4" maximum line capacity. Safe working load is 200 lbs.; breaking strength is 1200 lbs.

28-0224 \$8.80

## CLAMCLEAT® WITH ROLLER

Allows for 2:1 trapeze adjustment while hooked up. Line rolls easily on large base roller. 1/4" line capacity. Each.

27-0253 \$24.65

## RONSTAN BACK-TO-BACK BLOCKS

As used on the Murrays No-Cut Hi-Low Trapeze Adjustment Kit. Ball bearing blocks with 3/4" sheaves and 1/4" maximum line diameter. Max. working load is 550 lbs.; breaking strength is 1210 lb. Each.

21-2028 \$19.75

## NACRA CROSSBAR END CAP

This PVC crossbar cap protects the crew and gives a finished appearance. Use on the rear crossbar as is or drill to accommodate shock cord on front crossbar.

56-3503 \$17.50

## "KEY-HOLE" CONNECTORS & SPREADERS

For safety-minded sailors, the low profile Key-Hole system offers many advantages over the traditional hook design. Choose from three different connector types.

See page 46 for complete details.



## RELATED ITEMS

Trapeze Harnesses .....pg 44-47  
Trapeze Adjustment Kits .....49  
Trapeze Wires .....52



Team Alexander



# TRAPEZE ADJUSTMENT KITS

## TRAPEZE SHOCK CORDS

A trapeze shock cord is an absolute necessity because it keeps the trapeze system in place and ready for hook-up. One hook connects to either the thimble on the trapeze wire or the adjustment line, then runs under the tramp and connects to the other side in the same location.



### H-14/16

Plastic carabine hooks at each end of 1/4" diameter 8' shock cord provide quick connection to trapeze wires or adjustment lines. Each.

01-0128 \$7.00

### BASIC H-18

Includes four 7' lengths, each with a plastic carabine hook secured with a cinch ring on one end. Kit is supplied with 4 cinch rings to finish installation.

01-0129 \$20.00

### H-17

Shock cord comes with one plastic carabine hook installed. Other hook is installed after lacing shock cord through trampoline grommets. Cord is 1/4" diameter by 12'. Each.

01-3520 \$8.00

### H-20

Shock cord comes with one plastic carabine hook installed. Other hook is installed after lacing shock cord through trampoline grommets. Two lengths of 1/4" shock cord: 6' and 16'4". Each.

01-0131 \$17.00

### NACRA®/PRINDLE®/SOL CAT®

A plastic carabine hook installed on one end only. The other hook is included to be installed after the shock cord is put on the boat. Cord is 1/4" diameter by 9'. Each.

01-0119 \$7.00

### PLASTIC CARABINE HOOK

A quick connection of trapeze shock cord to height control adjustment. 2-1/4" long. Each.

01-0127 \$1.50



*Trapeze adjustment kits may be added to wire with no installation charge! Indicate choices when ordering and wire length will be adjusted accordingly.*

*To demonstrate use, all trapeze adjustment kits are shown connected to trapeze wire, trapeze shock cord and optional Can't Miss Rings.*



Photo courtesy of The Cat House

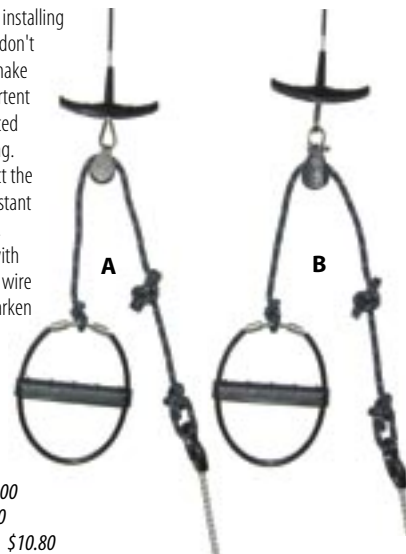
## A-B. EZ-UP TRAP RING RETURN KITS

Reduce friction on stock trapeze systems by installing a kit with bullet blocks. On older boats that don't include a trapeze return kit, these kits will make hooking up much more predictable. Inadvertent unhooking from the trapeze is greatly reduced by providing upward tension on the trap ring. Bullet blocks permit the shock cord to retract the adjustment line smoothly, maintaining constant tension between the trapeze ring and hook. "No-Cut" EZ-Up Kit includes bullet blocks with removable sheaves which attach to trapeze wire ends without cutting or adding shackles. Harken EZ-Up Kit is recommended when wires are being cut or if trapeze is being ordered with EZ-Up installed. Both kits include height adjustment lines, rope locks and instructions. Order rings, shock cord and shackle (Harken EZ-Up Kit) separately. Pair.

A. 01-1120 "No-Cut" EZ-Up Kit \$20.00

B. 01-1121 Harken EZ-Up Kit \$29.00

28-0082 Harken Bullet Block Only \$10.80



## UPGRADING YOUR TRAPEZE ADJUSTMENT ASSEMBLY

**Height Adjustment:** Stock trapeze systems permit only rough height adjustment capability. Active trapeze "artists" need more! The next level of sophistication is to incorporate a height adjustment mechanism that functions "on the fly" without sacrificing the smooth recoil feature above.

**Positive Recoil:** The height adjustment mechanism should freely recoil so that the trapeze ring does not unexpectedly disengage from the trapeze hook while shifting fore & aft or in & out in response to changing winds or headings.

**Trapeze Rings:** The lighter the better because no one likes to be hit by a hard, heavy swinging trapeze ring. However, a larger trapeze ring is useful as a height adjustment mechanism when no other adjustment is available.



Photo: John Healey

## HI-LOW TRAPEZE KIT

Simple and adjustable, with constant upward tension on the trapeze ring and separate on-the-wire height adjustment. Easy to hook up and hike out with no initial adjustments. Very low stretch lines and Harken® turning blocks and aluminum Clamcleats® with roller fairleads for 2:1, easy-pull, easy-release height adjustment. Crew can move fore or aft while maintaining proper height. Constant, smooth-action tension on the trapeze ring helps avoid accidental unhooking. Lower T-handle is always within reach. Stock trapeze wire must be shortened by approximately 10"; we will install the kits for you when you order trapeze wires. Includes V-jam cleats, mid-level handle/block assembly, rope locks and line. Order rings and shock cord separately. Pair.

01-1140 \$129.00



## NO-CUT HI-LOW TRAPEZE HARDWARE KIT

No need to cut your trapeze wires! This simplified version of the Hi-low Trapeze Kit utilizes a lower profile block system without the intermediate handle so there is no need to cut the trapeze wires. Includes V-jam cleats, back-to-back bullet blocks, rope locks and line. Does not include trapeze rings. We suggest purchasing Can't Miss Rings (shown) to supply a handle down low when needed. Order shock cord separately. Pair.

01-1130 \$110.00



## RELATED ITEMS

Harnesses & Accessories.....pg 44-47  
Trapeze Wires ..... 52

# STANDING RIGGING



Murrays has over 30 years of experience producing rigging especially for catamarans. Choose from our wide selection of rigging already in stock or have us custom make rigging to your specifications.



DOUBLE SWAGED THIMBLE

## STANDING RIGGING

All standing rigging is double swaged unless otherwise specified. Terminals will be per current factory specifications. Shrouds and bridles are sold each and should be bought in pairs to ensure equal lengths.



Joel makes Murrays rigging right on our premises to ensure quality and timely delivery.



Our hydraulic swager exerts a force of over 10,000 pounds to quickly swage without work-hardening the stainless fittings.

## HYDRAULIC SWAGED SHROUDS WITH STAINLESS FITTINGS



Hydraulic swaging produces a cleaner, stronger shroud. A marine eye is installed at the bottom end fitting where breakage commonly occurs. Electrolysis is reduced because both wire and marine eye are stainless steel. Wire manufacturers recommend stainless steel marine eye terminal fittings for 1 x 19 wire to assure full rated strength of wire. Each. Purchase two to ensure equal lengths.

## RELATED ITEMS

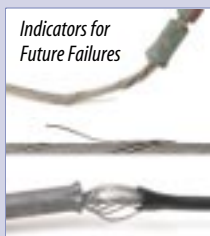
Other Rigging ..... pg 51-52  
Rigging Hardware ..... 53  
Trapeze Assemblies ..... 52  
Wire ..... 53  
Wire Covers ..... 53

BOAT	WIRE	SHROUD (EACH) Purchase two to ensure equal lengths.				FORESTAY Lower forestay unless noted as upper.			BRIDLE (EACH) Purchase two to ensure equal lengths.	
		Standard		Hydraulic Swaged						
		Black	White	Black	White	Black	White	Bare	Black	White
Getaway	5/32"	02-0905-02 \$35.00	—	—	—	02-0945-12 \$60.00	—	—	02-0915-22 \$22.50	—
Wave	1/8"	02-0804-02 \$27.00	—	—	—	02-0844-02 \$24.00	—	—	02-0814-02 \$19.00	—
Tiger	5/32"	—	—	02-6005-12 \$51.00	—	02-6045-32 \$57.00 02-6035-02* Upper \$75.00	—	—	02-6015-22 \$45.00	—
H-14	1/8"	02-0104-02 \$26.00	02-0104-01 \$26.00	—	—	02-0144-02 \$24.50	02-0144-01 \$24.50	—	02-0114-02 \$19.00	02-0114-01 \$19.00
H-14 Turbo	1/8"	02-0104-02 \$26.00	02-0104-01 \$26.00	—	—	—	02-0134-01* Upper \$75.00	—	02-0114-22 \$26.00	02-0114-21 \$26.00
H-16	1/8"	02-0204-02 \$30.00	02-0204-01 \$30.00	02-0204-12 \$36.00	02-0204-11 \$36.00	02-0244-02 \$29.00 02-0244-02A Aussie \$32.00	02-0244-01 \$29.00	02-0244-00 \$27.00	02-0214-02 \$19.00	02-0214-01 \$19.00
H-16	5/32"	—	—	02-0205-12 \$46.00	02-0205-11 \$46.00	—	—	02-0235-00 Upper \$16.00	02-0215-02 \$22.50	02-0215-01 \$22.50
H-17	1/8"	02-0304-02 \$30.00	02-0304-01 \$30.00	02-0304-12 \$35.00	02-0304-11 \$35.00	02-0344-02 \$24.00	02-0344-01 \$24.00	—	02-0314-02 \$24.00	02-0314-01 \$24.00
H-17	5/32"	—	—	02-0305-12 \$47.00	02-0305-11 \$47.00	—	—	—	—	—
H-17 Sport	5/32"	—	—	02-0305-12 \$46.50	02-0305-11 \$46.50	02-0345-32 \$55.00 02-0335-02* Upper \$75.00	02-0345-31 \$55.00 02-0335-01* Upper \$75.00	—	02-0315-22 \$45.00	02-0315-21 \$45.00
H-18	5/32"	—	—	02-0405-12 \$48.00	02-0405-11 \$48.00	02-0445-32 \$54.00 02-0435-02 Upper \$75.00	02-0445-31 \$54.00 02-0435-01 Upper \$75.00	—	02-0415-22 \$45.00	02-0415-21 \$45.00

\* With swivel \*\* With stud † With turnbuckle



## RIGGING TIPS



### Indicators for Future Failures

Rigging should be inspected every time you sail. Any wire with a broken strand should not be used and immediate replacement is suggested. Weak areas can be indicated by a kinking or severe discoloration at the oval. Taking care when stepping the mast helps prevent future problems. Lay things out beforehand to be sure that everything is leading straight (no twists or kinks), especially near fittings. Also check to see that wires will not catch as the mast is raised.

### Tips on Choosing Rigging

All of our rigging is constructed of stainless steel wire. Any other type of wire is not suitable.

Bare wire is slightly more economical, but coated wire offers many advantages. Coated wire is easier to clean, stays cleaner, keeps your sails cleaner, and doesn't wear your sails as much as bare wire. The thin, smooth vinyl coating adds minimal weight and windage.

All of our standing rigging is double swaged for maximum strength. Hydraulic swaging provides many benefits and is available as an upgrade on shrouds (see "Hydraulic Swaged Shrouds"). The majority of shroud failures occur at the micropress oval, where electrolysis between the copper oval and stainless steel wire has occurred. Electrolysis is virtually eliminated when a stainless steel, hydraulically swaged fitting is used. Hydraulic swaging also allows easier inspection of possible broken wires and cracked end terminals.

The overall best choice is pre-coated, hydraulic swaged, when applicable. As always, we will be happy to assist you with your selection.

BOAT	WIRE	SHROUD (EACH) Purchase two to ensure equal lengths.				FORESTAY Lower forestay unless noted as upper.			BRIDLE (EACH) Purchase two to ensure equal lengths.	
		Standard		Hydraulic Swaged						
		Black	White	Black	White	Black	White	Bare	Black	White
H-18SX	5/32"	—	—	02-0605-12 \$49.00	02-0605-11 \$49.00	02-0645-12 \$58.00 02-0635-02 * Upper \$75.00	02-0645-11 \$58.00 02-0635-01 * Upper \$75.00	—	02-0615-22 \$45.00	02-0615-21 \$45.00
H-20	5/32"	—	—	02-0705-12 \$52.00	02-0705-11 \$52.00	02-0745-82 ** \$61.00	02-0745-81 ** \$61.00	—	02-0715-22 \$45.00	02-0715-21 \$45.00
H-20 RF	5/32"	—	—	02-0705-12 \$51.50	02-0705-11 \$51.50	02-0745-32 \$60.00 02-0735-02 * Upper \$75.00	02-0745-31 \$60.00 02-0735-01 * Upper \$75.00	—	—	—
H-21SC	5/32"	—	—	02-0405-12 \$48.00	02-0405-11 \$48.00	02-0445-32 \$54.00 02-0435-02 * Upper \$71.50	02-0445-31 \$54.00 02-0435-01 * Upper \$71.50	—	02-0514-22 \$45.00	02-0514-21 \$45.00
H-21SE	5/32"	—	—	02-0505-12 \$54.00	02-0505-11 \$54.00	02-0545-32 \$62.00 02-0535-02 * Upper \$76.00	02-0545-31 \$62.00 02-0535-01 * Upper \$76.00	—	02-0515-22 \$46.00	02-0515-21 \$46.00
P-16	1/8"	02-2204-02 \$30.00	02-2204-01 \$30.00	02-2204-12 \$35.00	02-2204-11 \$35.00	02-2244-42 † \$55.00	02-2244-41 † \$55.00	02-2234-00 Upper \$22.50	02-2214-02 \$19.00	02-2214-01 \$19.00
P-18	5/32"	—	—	02-2305-12 \$49.00	02-2305-11 \$49.00	02-2345-42 † \$72.00	02-2345-41 † \$72.00	02-2335-00 Upper \$28.00	02-2315-02 \$23.00	02-2315-01 \$23.00
P-18.2	5/32"	—	—	02-2505-12 \$49.00	02-2505-11 \$49.00	02-2545-42 † \$73.00	02-2545-41 † \$73.00	02-2535-00 Upper \$28.00	02-2515-22 \$35.00	02-2515-21 \$35.00
P-19	5/32"	—	—	02-2405-12 \$52.00	02-2405-11 \$52.00	02-2445-42 † \$72.00	02-2445-41 † \$72.00	02-2435-00 Upper \$28.00	02-2415-22 \$35.00	02-2415-21 \$35.00
N-5.0	5/32"	—	—	02-4105-12 \$48.00	02-4105-11 \$48.00	02-4145-12 \$46.00	02-4145-11 \$46.00	—	02-4115-22 \$45.00	02-4115-21 \$45.00
N-5.2	5/32"	—	—	02-4205-12 \$48.00	02-4205-11 \$48.00	02-4245-12 \$46.00	02-4245-11 \$46.00	—	02-4215-22 \$45.00	02-4215-21 \$45.00
N-5.5SL	5/32"	—	—	02-4305-12 \$49.00	02-4305-11 \$49.00	02-4345-12 \$48.00	02-4345-11 \$48.00	—	02-4315-22 \$43.00	02-4315-21 \$43.00
N-5.7	5/32"	—	—	02-4305-12 \$50.00	02-4305-11 \$50.00	02-4445-12 \$48.00	02-4445-11 \$48.00	—	02-4415-22 \$35.00	02-4415-21 \$35.00
N-5.8	5/32"	—	—	02-4505-12 \$50.00	02-4505-11 \$50.00	02-4545-12 \$48.00	02-4545-11 \$48.00	—	02-4515-22 \$45.00	02-4515-21 \$45.00
N-6.0	5/32"	—	—	02-4605-12 \$52.00	02-4605-11 \$52.00	02-4645-12 \$50.00	02-4645-11 \$50.00	—	02-4615-22 \$42.00	02-4615-21 \$42.00
N-6.0NA	5/32"	—	—	02-4705-12 \$55.00	02-4705-11 \$55.00	02-4745-12 \$55.00	02-4745-11 \$55.00	—	02-4715-22 Bridle Foil Wire \$42.00	02-4715-21 Bridle Foil Wire \$42.00
Nacra 17 (Inter)	1/8"	—	—	02-5204-12 \$36.00	—	02-5244-02 \$78.00	—	—	02-5214-12 \$35.00	—
Nacra 18 (Inter)	5/32"	—	—	02-5305-12 \$52.00	—	02-5345-92 \$52.00	—	—	02-5315-22 \$44.00	—
Nacra 20 (Inter)	5/32"	—	—	02-5405-12 \$55.00	02-5405-11 \$55.00	02-5445-12 \$54.00 02-5445-32 RF \$62.00	02-5445-11 \$54.00 02-5445-31 RF \$62.00	—	02-5415-22 \$45.00	02-5415-21 \$45.00
Sol 18	1/8"	02-6204-02 \$34.00	02-6204-01 \$34.00	—	—	02-6245-02 \$30.00	02-6245-01 \$30.00	—	02-6214-02 \$20.00	02-6214-01 \$20.00

\* With swivel

\*\* With stud

† With turnbuckle

# TRAPEZE ASSEMBLIES

# OTHER RIGGING

BOAT	SINGLE PAIR * TRAPEZE		DOUBLE PAIR ** TRAPEZE	
	Black	White	Black	White
Getaway	02-0953-02 \$35.00	—	—	—
Tiger	—	—	02-6063-02 \$85.00	—
H-14 & Turbo	02-0153-02 \$39.00	02-0153-01 \$39.00	—	—
H-16	02-0253-02 \$45.00	02-0253-01 \$45.00	02-0263-02 \$79.00	02-0263-01 \$79.00
H-17	02-0353-02 \$45.00	02-0353-01 \$45.00	—	—
H-17 & Sport	02-0353-02 \$45.00	02-0353-01 \$45.00	—	—
H-18	—	—	02-0463-02 \$85.00	02-0463-01 \$85.00
H-18SX	—	—	02-0663-02 \$85.00	02-0663-01 \$85.00
H-20	—	—	02-0763-02 \$90.00	02-0763-01 \$90.00
H-21SE	—	—	02-0563-02 \$95.00	02-0563-01 \$95.00
P-16	02-2253-02 \$45.00	02-2253-01 \$45.00	02-2263-02 \$80.00	02-2263-01 \$80.00
P-18	—	—	02-2363-02 \$80.00	02-2363-01 \$80.00
P-18.2	—	—	02-2563-02 \$90.00	02-2563-01 \$90.00
P-19	—	—	02-2463-02 \$90.00	02-2463-01 \$90.00
N-5.0	02-4153-02 \$45.00	02-4153-01 \$45.00	02-4163-02 \$85.00	02-4163-01 \$85.00
N-5.2	02-4253-02 \$45.00	02-4253-01 \$45.00	02-4263-02 \$85.00	02-4263-01 \$85.00
N-5.5SL	—	—	02-4363-02 \$85.00	02-4363-01 \$85.00
N-5.7	—	—	02-4463-02 \$85.00	02-4463-01 \$85.00
N-5.8	—	—	02-4563-02 \$88.00	02-4563-01 \$88.00
N-6.0	—	—	02-4663-02 \$88.00	02-4663-01 \$88.00
N-6.0NA	—	—	02-4763-02 \$93.00	02-4763-01 \$93.00
Nacra 17 (Inter)	02-5253-02 \$45.00	—	—	—
Nacra 18 (Inter)	—	—	02-5363-02 \$77.50	—
Nacra 20 (Inter)	—	—	02-5463-02 \$79.00	—
Sol 18	02-6253-02 \$45.00	02-6253-01 \$45.00	02-6263-02 \$85.00	02-6263-01 \$85.00

\* **Single Pair:** The basic trapeze assembly includes two coated trapeze wires 3/32" (1x19) with nylon handles and a thimble at each end.

Wires end just below handles. Order shock cord and adjustment kits separately.

\*\* **Double Pair:** Single continuous 3/32" (1x19) wire with thimble at the top and two handles per side for double trapezing.

Order shock cord and adjustment kits separately.

BOAT	WIRE MAIN HALYARD	WIRE JIB HALYARD ††	JIB BLOCK WIRE	DIAMOND WIRE (EACH)
Getaway	02-0973-60 \$55.00	—	—	—
Wave	02-0873-60 \$55.00	—	—	—
Tiger	—	02-6086-00 RF \$40.00	—	02-6095-20 \$67.50
H-14	02-0173-60 CompTip \$52.00 02-0173-50 Alu Mast \$35.00	—	—	—
H-14 Turbo	—	—	02-0124-80 Under Tramp \$50.00	—
H-16	02-0273-60 Comp Tip \$57.00 02-0273-50 Alu Mast \$38.00	02-0284-00 \$52.00	—	—
H-17	—	02-0386-00 \$26.00	—	—
H-18	—	02-0486-00 \$27.00	—	02-0494-20 † \$50.00
H-18SX	—	02-0686-00 \$28.00	—	02-0694-20 † \$50.00
H-20	—	02-0783-50 \$46.00 02-0786-00 RF \$40.00	02-0724-20 \$35.00	02-0795-20 \$97.00 Includes both sides
H-21SC	—	02-0486-00 \$27.00	—	02-0494-20 \$50.00
H-21SE	—	02-0586-00 \$28.00	—	02-0595-20 \$71.00
P-16	02-2274-00* \$57.00	—	02-2224-00** \$12.00	—
P-18	—	—	02-2224-00** \$12.00	02-2394-20*** \$66.00
P-18.2	—	—	02-2424-20 \$60.00	02-2394-20*** \$66.00
P-19	—	—	02-2424-20 \$60.00	02-2494-20*** \$67.00
N-5.0	02-4173-50* \$54.00	02-4183-50 \$57.00	—	02-4194-20*** \$65.00
N-5.2	02-4273-50* \$54.00	02-4283-50 \$56.00	—	02-4294-20*** \$65.00
N-5.5SL	02-4373-00* \$58.00	02-4383-50 \$55.00	02-4324-20 \$60.00	02-4394-20*** \$60.00
N-5.7	02-4473-50* \$54.00	02-4483-50 \$62.00	—	02-4494-20*** \$66.00
N-5.8	—	02-4583-50 \$62.00	—	02-4594-20*** \$66.00
N-6.0	—	02-4683-50 \$53.00	02-4624-20 \$60.00	02-4694-20*** \$65.00
N-6.0NA	—	02-4783-50 \$53.00	02-4624-20 \$60.00	02-4794-20 Long*** \$66.00 02-4724-20 Short*** \$55.00
Nacra 17	—	—	—	02-5294-20 \$66.00 both sides
Nacra 18	—	02-5383-80 \$60.00	02-5324-20 \$35.00	02-5394-20 \$75.00 both sides
Nacra 20	—	02-5483-80 \$67.00	02-5324-20 \$35.00	02-5494-20 \$95.00 both sides
Sol 18	02-6273-00* \$53.00	—	—	—

\* Old-style; new style uses line only.

\*\* Swaging tool needed.

\*\*\* With turnbuckle.

† Constructed with stainless fork, jib roller and left-hand threaded stud.

Turnbuckle not included on wires for Hobie®.

†† Line not included; use low or no-stretch line. See photo at right.

WIRE  
MAIN  
HALYARDS



## SINGLE TRAPEZE WIRE

(Not shown.) Replace that one damaged wire.

Built to your boat's specifications. Please specify boat type and white or black coating.

02-8253 \$24.00

## RELATED ITEMS

Rigging Tape.....	pg 53
Rope.....	15
Shrouds, Forestays & Bridles.....	50-51
Trapeze Adjustment Kits.....	49
Trapeze Accessories.....	48

## CUSTOM RIGGING

### How to Order

Simple as 1-2-3:



1. Order custom rigging. Specify finished pull-to-pull length. Pull-to-pull measurements are from the inside edge of the thimbles, eyes, or forks where the clevis pin makes contact under load.

2. Order wire to next full foot. Specify size and coating color.

3. Order end fittings. Example: Roller swaged eye or fork, or double swaged thimble.

Fittings are shown on page 53. Finished

dimensions guaranteed to be ± 1/8".

02-9100 Custom Charge Per Wire \$15.00



Thimble & double  
swage end fittings:

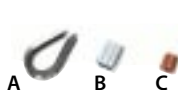
02-9130 3/32" \$6.00

02-9140 1/8" \$7.00

02-9150 5/32" \$8.00



# RIGGING HARDWARE & ACCESSORIES



## A. STAINLESS THIMBLE

Size indicates wire or rope diameter. Each.

21-0480	1/16"-3/32"	\$ .65
21-0484	5/32"-3/16"	\$1.10
01-0034	3/32"-1/8"	\$1.25
01-0036	5/32"-3/16"	\$1.50
21-0486	1/4"	\$2.25

## B. NICROPRESS OVAL

Locks wire rope to a thimble terminal. Close with an appropriate swaging tool for maximum strength. Each.

02-1020	1/16"	\$ .25
02-1030	3/32"	\$ .40
02-1040	1/8"	\$ .65
02-1050	5/32"	\$1.20

## C. STANDARD STOP SLEEVE

Grips a single wire to provide a "stop" for halyard hooks or trapeze handle, etc. A special "J" size opening on a nicropress tool is required for closing.

02-1031	3/32"	\$ .50
02-1041	1/8"	\$ .60
02-1051	5/32"	\$ .80
02-1061	3/16"	\$ .80



Note: Special machinery is required for installation of these fittings.

## H. MARINE EYES

Stainless.

02-1034	3/32"	\$6.85
02-1044	1/8"	\$6.85
02-1054	5/32"	\$9.00

## I. MARINE FORKS

Stainless.

02-1035	3/32"	\$9.20
02-1045	1/8"	\$9.75
02-1055	5/32"	\$14.00

## J-L. MARINE TURNBUCKLES & REPLACEMENT STUDS

Stainless. All are by C. Sherman Johnson except #02-1046.

J. 02-1048	1/8" Turnbuckle	\$30.00
02-1048-2	Turnbuckle Body Tubular	\$16.00
02-1058	5/32" Turnbuckle	\$35.00
K. 02-1049	1/8" Calibrated Stay Adjuster	\$34.00
02-1046	1/8" Stud Right Hand	\$18.00
L. 02-1047	1/8" Stud Left Hand	\$18.00
02-1057	5/32" Stud Left Hand	\$19.00
02-1056	5/32" Wire-5/16" Stud & Nut (H-20 forestry upgrade)	\$19.00
02-1056-1	Nut Only for #02-1056	\$1.25



## D. MAIN HALYARD HOOK

For H-14/16s, Prindles and Sol Cats and for Nacras that use the wire main halyard.

25-3330	\$9.00
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## E-F. STAINLESS "S" HOOKS

Welded hooks. #56-9650 is for all Nacras. #56-9839 is for Prindle-style jib halyards.

E. 56-9650	\$30.50
F. 56-9839	\$6.50

## G-H. RINGS

G. 25-3050	2" Stainless (Prindle-Style Jib Halyards)	\$4.00
22-3320	1/8" x 3/4" ID Stainless	\$2.25
22-3525	3/16" x 3/4" ID Stainless	\$2.75
25-3904	1/4" x 2" OD "D" Stainless	\$4.00
H. 27-190570	3/8" x 2" ID Nylon	\$1.60

## STA/MASTER TURNBUCKLE

Shorten your diamond wires and use an adjuster. The Sta/Master's finely calibrated center traveler quickly locks for exact repeatable settings for each condition. No need to swage. Stainless steel. Minimum length is 4" with 2-5/8" range. Max. load 1/8" cable.

02-1043	\$32.95
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## #2 SWAGE-IT RIGGING KIT

Have everything there when you need it! For rigging and emergency repairs. Includes swage-it tool, cutter, extension wrench, and 1/16", 3/32" and 1/8" oval sleeves. Made in the USA.

33-0012	\$59.95
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## #2 SWAGE-IT TOOL

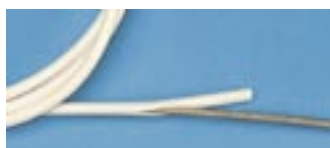
For nicropress oval sleeves in sizes 1/16", 3/32" and 1/8". Swaging pressure is applied by using a wrench to tighten bolts. Cadmium plated. 1/2" x 1" x 7".

33-0002	\$26.00
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## CABLE CUTTER

Makes clean, square cuts on stainless or galvanized cable up to 3/16" diameter. Features durable edge, cadmium plating over alloy steel for rust protection, and thick vinyl sleeves for a comfortable grip. Made in the USA. 8" length.

33-0316	\$20.00
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## SNAP-ON WIRE COVERS

White, split, snap-on plastic tubes give the appearance of coated wire. The material is tough and slippery and causes no wear on sails. Dirt wipes off with a damp rag to keep sails clean and looking new. Non-yellowing. Each length is 6'.

3/32": Trapeze wires.

1/8": H-14/16 rigging (stock).

5/32": H-18/20/21, Nacra & Prindle rigging.

53-1003	3/32" Each	\$1.50
53-1004	1/8" Each	\$1.60
53-1005	5/32" Each	\$1.80

## 1X19 STAINLESS WIRE

The strongest, least flexible wire construction. Used primarily for standing rigging and trapeze wire. Available with white or black PVC coating extruded onto the cable to protect sails from wear. Sold per foot.

02-0031	3/32" Bare	\$ .45
02-0031W	3/32" White	\$ .60
02-0031B	3/32" Black	\$ .60
02-0041	1/8" Bare	\$ .70
02-0041W	1/8" White	\$ .90
02-0041B	1/8" Black	\$ .90
02-0051	5/32" Bare	\$1.10
02-0051W	5/32" White	\$1.30
02-0051B	5/32" Black	\$1.30

## 7X7 STAINLESS BARE WIRE

Use: Main halyards and lanyards. Semi-flexible. Optimal turning radius is 72 times diameter. Sold per foot.

02-0022	1/16"	\$ .35
02-0032	3/32"	\$ .55

## 7X19 STAINLESS BARE WIRE

Use: Running rigging and halyards. Flexible. It resists crushing and has good resistance to wear caused by flexing. Optimal turning radius is 27 times diameter. Sold per foot.

02-0033	3/32"	\$ .80
02-0043	1/8"	\$ .90
02-0053	5/32"	\$1.50

## RIGGING TAPE

Protects against chafing and sharp edges while providing safety for sails, lines and rope ends.

This self-bonding tape is waterproof and leaves no sticky residue. 1" x 15'.

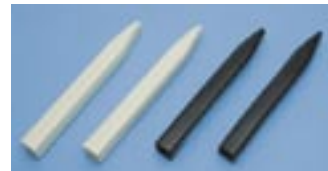
10-3460	\$19.95
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## HEAVY DUTY HAND SWAGER

Features nonslip grip. Grooves accommodate oval sleeves sizes 1/16", 3/32", 1/8", 5/32" and 3/16". Includes calibrator. 19" long.

33-0005	\$130.00
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## SHROUD ADJUSTER COVERS

Vinyl covers protect the crew and can prevent de-masting by protecting the split rings. Pair.

01-1071	8" White	\$8.25
01-1072	8" Black	\$8.25
07-3261	12" Black	\$8.90

## M-O. SHROUD ANCHOR COMPONENTS

Stainless adjusters have 1/4" holes.

M. 25-3310	7-Hole Shroud Adjuster	\$10.00
N. 25-3300	10-Hole Shroud Adjuster	\$11.00
O. 25-3320	Twist Toggle for Hobie/Prindle	\$7.75
50-20100000	Shroud Anchor Pin H-16/17/18-1/4 x 5/8	\$22.95
56-1012	Shroud Pin P-15/16/18-5/16 x 1.2	\$12.00
56-1014	Shroud Anchor Bar P-15/16/18	\$14.00



## SHROUD TENSIONER/DE-TENSIONER

Reduce setup and take-down time on catamarans with high tension rigs. Racing class legal. Note: Shroud must be shortened 8.25". Although two are pictured, these are sold each.

02-1060	\$73.50
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## STANDARD RIG TENSION GAUGE

This tension gauge takes the guesswork out of 3/32", 1/8" and 5/32" cable tension adjustment. It's specially designed for accurate, repeatable tuning of a sailboat's standing rigging.

33-1793	\$69.95
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## PRO RIG TENSION GAUGE

The Pro Model gauge is designed to provide an accurate measurement of the tension in 3/32", 1/8" and 5/32" rigging wire with accurate and repeatable tuning. For standing rigging.

33-1795	\$99.00
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# MAST SUPPORTS & STEPPERS

## WHY USE A MAST SUPPORT?

A mast cradle or support protects your cat's mast and traveler track while trailering. Although life jackets or towels may seem like easy, inexpensive solutions, they tend to slip during transport and suffer damage in their own right. It's worth protecting your boat investment by using a good mast support.



## HOBIE® MAST CRADLE

This Wave-style cradle is a perfect and inexpensive solution for almost all Hobie Cats®. Sturdy fiberglass construction with carpet to protect crossbar and mast. Securing the mast is quick and easy with integrated shock cord. If your boat's tiller crossbar is above the rear crossbar when your boat's rudders are locked in the up position, you will need to remove the tiller crossbar.

07-3175 \$61.90

## STAINLESS REAR MAST SUPPORT

Strong and secure, trailer mounted, permanently attached support features heavy-duty, box stainless steel construction with carpeted cradle and hinged upright. Mast support extends 4-1/2" aft of rear trailer hull support. Mast rides about 30" above trailer. To launch, the support easily hinges to 90° away from the boat. Universal mount included.

OVERSIZED SHIPPING RATES APPLY

13-3002 \$149.00



## HAND WINCH

Mounts on the front trailer mast support and aids in launching and mast stepping. 850 lb. capacity. We recommend using 25 feet of 3/16" 8-strand low-stretch line (#39-2311 white; also available in black).

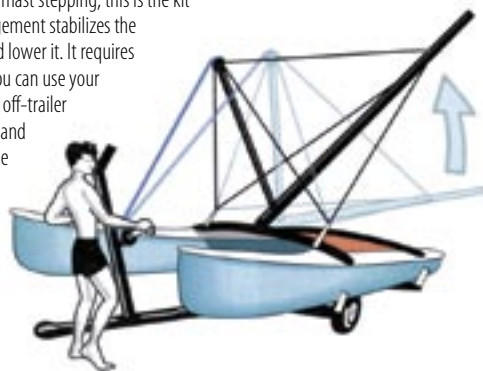
13-9272 \$32.00

## EZ STEP™ MAST RAISER

If you want easy, single-handed mast stepping, this is the kit for you! A simple gin pole arrangement stabilizes the mast so one person can raise and lower it. It requires a trailer winch (#13-9272), or you can use your block and tackle (mainsheet) for off-trailer use. Trapeze wires snap in place and are used to eliminate side-to-side sway. Works best with masts that don't need to be turned to the side for stepping; another person is required in that case. Attaches quickly, without tools or modifications to the boat. Rustproof aluminum and stainless steel construction. Weighs less than 5 lbs. and adjusts to fit any cat.

OVERSIZED SHIPPING RATES APPLY

13-9280 \$175.00



# MOTOR BRACKETS

## CHEATA™ MOTOR BRACKET

This anodized aluminum bracket keeps the motor completely clear of tiller and rudders. Bracket has stress limit of over 225 lbs. Motors used with it should be short shaft models not exceeding 3 horsepower and/or 30 lbs.

OVERSIZED SHIPPING RATES APPLY

13-1100 H-14/16 \$365.00

13-1101 H-20/21SC \$450.00

13-1102 Prindle/G-Cat/Tornado \$375.00

13-1103 Nacra \$475.00

13-1105 Super Cat \$500.00

13-1104 H-18 \$375.00

13-1106 Getaway/Wave \$385.00

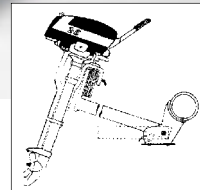


Photo: John Healey



# HULL CRADLES & TIE-DOWNS

## CHOOSING A HULL CRADLE

Cradles are designed to distribute the load of a boat over a large surface area, so choose a cradle that provides the most contact area possible. Carpet cushions and protects the hulls. The cradle should not pinch the hulls from the sides. If your boat is not listed, select a cradle that best matches the profile of your boat's hulls. Cradles must be used to maintain many boat warranties, including Nacras.

## A-C. HULL CRADLES BY HOBIE CAT®

Hobie's nicely finished cradles have rolled edges and carpet that wraps for better protection. #07-4801 and #07-4803 are custom molded to the H-20 hull shape, but fit all Hobies except H-21SC/SE and Fox; they also fit P-18.2, P-19, Nacra 5.2 and 5.8. #07-4801 rear cradles are pivot mounted to aid moving boats on and off the trailer. #07-1624 has a unique bottom that will fit either a round tube or a flat surface. All cradles from Hobie® include mounting hardware.

- A. 07-4801 H-20 Stern with Hinge Bracket – pair \$176.55
- B. 07-4803 Hobie® Universal Bow – pair \$146.25
- 07-4800 Set of 4 (2 Bow, 2 Stern) \$303.65
- C. 07-1624 Universal H21SE/SC, Tiger – pair \$109.00

## D-F. MURRAY'S HULL CRADLES

These cradles bolt directly to any trailer that utilizes 2" cross supports, and will adapt easily to larger sizes by cutting off the leading edge of cradle. (Bolts are not included.) Also adaptable for use with home-made beach wheels. Universal size fits bows and sterns of most boats except Inters and Fox. Cradles have been confirmed to fit boats mentioned; please let us know of any boats to be added to the list. Each.

- D. 13-7010 Universal except Inters & Fox (compatible with H-Tiger rear) \$45.00
- E. 13-7030 H-17/18 Bow \$45.00
- F. 13-7020 H-20 Bow, N 5.7 Stern \$45.00
- 19-2222 Bolt 1/4-20 x 2.5" \$2.20
- 19-2516 Nylock Nut 1/4-20 \$.45

## G. INTER CRADLES BY PERFORMANCE CATAMARANS

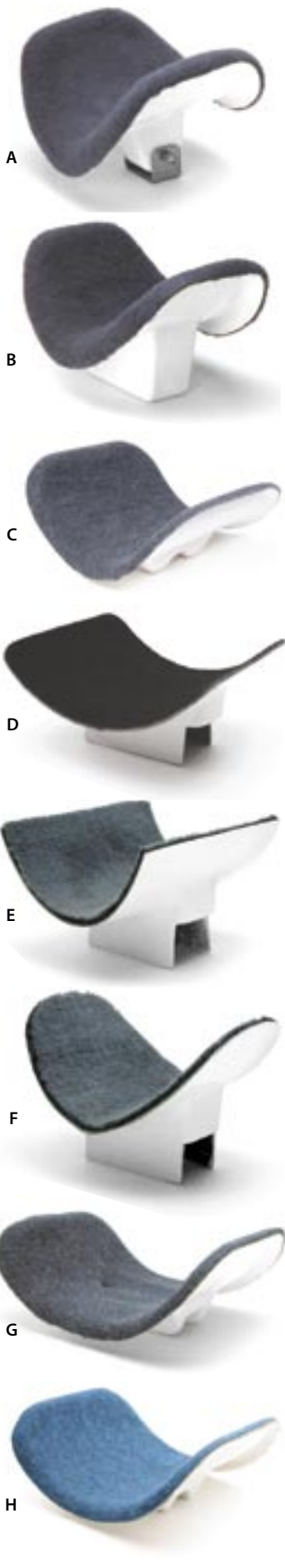
For Inter 17/18/20 or F18. Carpeted upper on molded fiberglass construction with a 2" channel. This cradle is not pre-drilled and bolts are not included; use 5/16" bolts of a length to fit your trailer. Each.

- 56-C320 Factory Inter/F18 Cradle – each \$60.00

## H. CAT TRAX CRADLES

Carpet cushions your boat on these molded fiberglass cradles that are pre-drilled for bolts (not included). For trailer mounting, order aluminum plates separately. Pair.

- 13-1407 Universal except Inters \$110.00
- 13-1412 For Inter 17/18/20 \$119.00
- 13-1408 Trailer Mount Backing Plates – Pair \$18.00



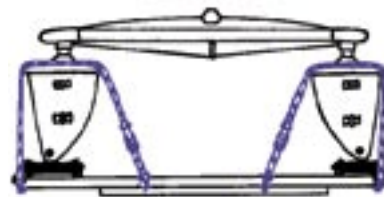
## 4-POINT TIE KIT

Easy to adjust and secure. Includes four 1" wide nylon straps that loop around pylons or corners of crossbars and then secure to trailer with eye bolts (not included). "J" hook connection with plastic safety clips prevents inadvertent unhooking. Positive action cam will not open, even while under loose tension. For all Hobie® and Nacra cats. Set of 4. 01-1510 \$55.00



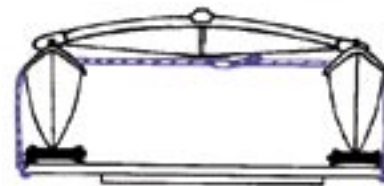
## HULL TIE-DOWNS

Popular with Prindles, these 2"-wide nylon straps quickly hook to your trailer. Kwik-Lok® buckles keep straps taut until released. Rated capacity is 2400 lbs. per pair. Maximum working length is 72". Pair. 01-1500 \$22.00



## ACROSS-THE-HULLS TIE-DOWN

2" webbing with covered steel roller buckle and double 1/4" steel "J" hook with safety spring snaps to prevent unhooking. 2" x 13'. 2000 lbs. test. Order two to secure both front and rear of boat. Each. 01-1501 \$19.00



## TOGGLE STRAP

3/16" shock cord. Holds 12"-24" circumferences. Each. 13-1020 \$3.00



# TRAILER BOXES

THE ULTIMATE, LIGHTWEIGHT STORAGE LOCKER!

## SPORT Locker



A

### A. SPORT LOCKER

Performance Catamarans' Sport Locker has a 23.3 cubic foot capacity to hold just about everything... all your boat and sailor gear, tool boxes, camping gear, even beach chairs. The long, low, wide design is ideal for trailer mounting. Overlapping external seams and weather stripping around the joints protect contents from the elements. The sliding top front door provides access for quick, easy packing and removing of bulkier accessories and sailing gear. The hinged-angle rear door facilitates visibility and removal of longer catamaran sails and equipment. The Sport Locker assembles to 10'10" x 27" x 14". Easy assembly with non-chafing cap nut fasteners. Ships via UPS in 2 oversized boxes directly from manufacturer. Approximately 75 lb. Specifications subject to change.

13-0630 \$995.00 TEMPORARILY UNAVAILABLE

Hinged Angle  
Rear Door



B

### B. SPORT LOCKER MAX

Performance Catamarans has super-sized its Sport Locker to create the ultimate box for your sailing lifestyle. Shipped by truck directly from the manufacturer, the one-piece fiberglass box comes assembled and ready to use. The very roomy box measures 10'10" x 3'3" x 14" and has both top and end access.

TRUCK FREIGHT ONLY  
13-0631 \$995.00



Photo: John Healey





## CAT TRAX

Murray's choice for best beach wheels! This lightweight, yet sturdy rustproof beach dolly will carry your catamaran easily over sand, rocks, mud or pavement. The Cat Trax features strong aluminum wheel rims with two-ply pneumatic rubber tires. Roller bearings give low-friction wheeling. The standard length axle is double-drilled to accommodate either 8' or 8'6" wide cats, but a shorter axle model for the Wave is also available, if specified.

### OVERSIZED SHIPPING RATES APPLY

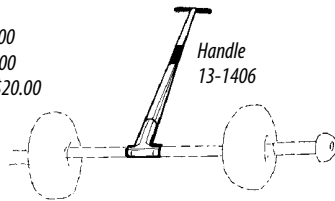
13-1401 Cat Trax for 8' to 8-1/2' wide Cats \$419.00

## CAT TRAX REPLACEMENT PARTS & ACCESSORIES

Optional accessories include a handle which enables you to pull or push your boat more easily, padded, fiberglass cradles which provide more support for rounded hulls, and an axle connector for easy breakdown and handling of the axle. Axles and handles are oversized and may incur additional freight charges.

### ASK ABOUT OVERSIZED SHIPPING RATES

- 13-1401-1 Cat Trax Tire & Rim \$125.00
- 13-1401-2 Axle — Double-Drilled for 8' or 8'6" \$75.00
- 13-1401-3 Replacement Tire Only 21"x12.0-8 \$75.00
- 13-1401-5 Delrin Roller Bushing Set (for 1 wheel) \$20.00
- 13-1401-6 Axle Cover, Hose \$9.00
- 13-1401-7 Washer & Cotter Pin Kit \$26.00
- 13-1403 Molded End Cap (each) \$15.00
- 13-1406 Handle \$115.00
- 13-1407 Cradles (pair) \$110.00
- 13-1412 Cradles (pair) for Inter 17/18/20 \$119.00



## CAT TRAX WITH CRADLES

- 13-1402 Cat Trax with Cradles— Specify Boat & Width \$499.00
- 13-1402-1 Cat Trax with Inter Cradles \$499.00

### OVERSIZED SHIPPING RATES APPLY



Photo: Tucson Hobie Fleet 514



Best on hard, smooth, level surfaces

## TIGER TRAX

The more economical Tiger Trax features blue plastic tires which are suitable for use on hard, smooth, level surfaces only. Oversized item; additional freight charges apply.

### OVERSIZED SHIPPING RATES APPLY

- 13-1421 Tiger Trax for 8' cats \$319.00



## RELATED ITEMS

- Murray's Harnesses ..... pg 44-45
- Trapeze Adjustment Kits ..... 49
- Wetsuits ..... 10-11

# BOAT COVERS



## A. NYTRIL POLYVINYL CAT COVERS

Lightweight and waterproof basic one-piece covers fit loose and secure with nylon ribbon ties. Polyvinyl material with fiber laminate core effectively resists rips. Silver exterior color reflects heat. U-cut modifications OK. Hi-Crossbar model fits H-14/16 with raised tramps. Lo-Crossbar model fits cats with deck-tramps. Not suitable for trailering.

See boat sizes below for more information. **OVERSIZED SHIPPING RATES APPLY**

29-0113	1-Piece Econo Wave	\$170.00
29-0116	1-Piece Econo H-14/16	\$180.00
29-0117	1-Piece Econo Getaway (covers front tramp)	\$200.00
29-0118	1-Piece Econo 16-18 ft. Low-Bar	\$200.00
29-0120	1-Piece Econo 19-20 ft.	\$210.00



## B. TOP GUN® YARD CAT COVERS

One-piece covers are our most popular covers! Ideal for beach or on-trailer storage with mast up or down. Not suitable for trailering. See boat sizes below for more information. **OVERSIZED SHIPPING RATES APPLY**

ONE-PIECE CAT COVERS			
BOAT	Nytril A	Top Gun B	
H-14	29-0116 \$180.00	NA	
H-16	29-0116 \$180.00	29-5116 \$600.00	
H-17	29-0118 \$200.00	29-5117 \$600.00	
H-18, Magnum & SX	29-0118 \$200.00	29-5118 \$650.00	
H-20	29-0120 \$210.00	29-5120 \$725.00	
Wave	29-0113 \$170.00	Call	
Getaway	29-0117 \$200.00	Call	
FX one	NA	29-5120FX \$650.00	
Tiger	NA	29-5118T \$725.00	
P-16	29-0118 \$200.00	NA	
P-18	29-0118 \$200.00	NA	
P-18.2	29-0120 \$210.00	NA	
P-19	29-0120 \$210.00	NA	
N-5.0	29-0118 \$200.00	NA	
N-5.2	29-0118 \$200.00	NA	
N-5.5SL	29-0120 \$210.00	NA	
N-5.7	29-0120 \$210.00	NA	
N-5.8	29-0120 \$210.00	NA	
N-6.0	NA	29-5360 \$700.00	
Nacra (Inter) 18	29-0118 \$200.00	29-5418 \$725.00	
Nacra (Inter) 20	NA	29-5420 \$725.00	
F18	NA	29-5417 \$725.00	
A-Class	NA	29-5361 \$650.00	

## 303 HIGH TECH FABRIC GUARD

Restores lasting water and stain repellency to boat and sail covers, biminis, enclosures, carpeting and fabric upholstery. Resists soiling, mildew and contains UV screening agents to retard fading. Lasts up to 3 years. 16 oz. pump treats up to 100 sq. ft. of marine canvas.

40-6534 \$13.95



# OTHER COVERS

## TRAMP PACK

Secures between hiking straps to provide space for throwable cushions, spinnakers, life vests, etc. Includes big, 13" x 20" chart window and 18" x 24" x 4" deep storage compartment. Durable blue Odyssey material.

31-1405BL \$52.50



## RIGGING POUCH

Keep wires clean, organized and attached to the mast. Mesh bag permits "rinse and dry."

31-2461 \$49.00



C



D



## C-E. ZIPPERED POUCHES

Constructed of rugged, water-resistant material with plastic hooks at each end to attach to the center or aft tramp lacing. Handy storage for replacement parts, keys, and safety gear. Assorted colors as available.

C. 31-1400 5"x9" \$10.25

D. 31-1401 5"x12" \$11.25

E. 31-1402 7"x17" \$13.50



## FABRIC & WARRANTY INFORMATION

### NYTRIL POLYVINYL

Economical. Universal sizing, 3-ply polyvinyl material resists rips from U-cut modifications. Ideal for under "messy" trees. One year warranty. Black inside. Silver outside reflects heat.



### TOP GUN®

10 oz. marine polyester that is coated by acrylic impregnation, then coated with Zepel® for waterproofing and stain resistance. Strong, abrasion resistant, breathable, and water repellent with long-lasting color. Three year materials warranty; workmanship one year. Blue.



### ODYSSEY III™

This acrylic-coated polyester marine fabric repels water, the sun's harmful UV rays and mildew which can deteriorate other fabrics. It is used on Murrays bags and covers as noted.







## RUDDER COVERS

A durable Odyssey III, 1/4" foam and nylon laminate cushions and protects rudders while trailering on or off the boat. 1" straps with plastic buckles hold covers in place. Red ends increase visibility when trailering. Pair.

- 31-3101 H-14/16/17/18, Nacra (28"x11") \$62.00  
 31-3102 H-20/21, P-19, Fox, Tiger (36"x12") \$75.00  
 31-3103 Inter 17/18/20 (38"x8") \$59.00



## DAGGERBOARD COVERS

Rugged, padded cover with double pocket and handles with velcro closure at the end. UV-resistant, blue Odyssey III fabric is laminated with 1/4" foam and lined with nylon to cushion the daggerboards. One cover holds both daggerboards. Measurements are inside dimensions.

- 31-3003 H-18 (48"x14") \$89.00  
 31-3004 Tiger (63"x10") \$89.00  
 31-3005 Inter 17/18/20 (64"x8") \$65.00  
 31-3007 H-20/Nacra (63"x13") \$95.00



## COMP TIP COVERS

Hobie Cat® recommends that CompTips be covered to protect them from ultraviolet light. Top quality Odyssey III material is treated for UV-resistance and provides much better and long-lasting protection than nylon covers. Red-tip reinforced end.

- 31-2441 For H-16/18/20 \$55.00  
 31-2442 For H-17/21 \$80.00



Photo courtesy of The Cat House

## RELATED ITEMS

- Pouches & Bags..... pg 58  
 Repair Tape..... 17



## SAIL & BOOM BAGS

Universal sail and boom bags for Hobie® Cats, Nacras, Prindles, etc. Standard model is a long sock with a cord-lock drawstring closure and a hand strap for carrying. Deluxe model includes a full length zipper for easy entry, carrying straps and an end tab with grommets for hooking to halyard shackle (to cover sail and boom while attached to mast when not sailing). Both are constructed of UV-resistant Odyssey III material.

- 31-2425 Standard (10' x 30" circumference) \$69.00  
 31-2426 Deluxe (10' x 34" circumference) \$112.00

## SNORKEL JIB COVERS

Protect your roller furling jib from ultraviolet light and weather while on or off the boat. Snorkel has full-length zipper and can be left on when trailering. Raise cover with main halyard. Constructed of blue, high-quality Odyssey III material.

- 31-2432 H-14 (13'11" x 11" cir.) \$72.00  
 31-2427 H-16/17/18 (17' x 11" cir.) \$79.00  
 31-2428 H-18SX/20/21 & Prindle 18.2/19 (23' x 18-1/2" cir.) \$110.00  
 31-2429 H-Fox/Tiger, F18, I-20 (18'10" x 11" cir.) \$89.00



Piñata Regatta 2006 Photo: Ellie Martin

## THE ABC'S OF WATERSTARTING

Dasher writes monthly articles for Windsurfing Magazine and has run a highly successful lesson program at Vela Windsurf Resorts' Aruba location for years. He has finally put all that video experience to work in an impressive and highly polished new production. The waterstart is broken down into three steps: Gear Set-up, Fly the Sail, and Mount the Board. Common mistakes are covered and corrected, and the effects of light or heavy winds are described. You will not find a more complete, clear, and concise lesson on the waterstart anywhere... except perhaps on the beach in Aruba. 59 minutes.

45-2178 DVD \$29.95



## THE TWELVE STEP JIBE WITH DASHER

A pivotal moment in any windsurfer's career is learning to jibe. It has never been made easier than with this video. The 12 Step Jibe will show you all the movements and help you solve common problems. This is Dasher's newest release and builds on the lessons taught in the ABC's of Waterstarting. The DVD contains core four lessons: the Set Up, the Initiation, the Foot Change, and the Sail Flip. Includes bonuses like Evolution of the Jibe and Jibe Meditation to round out this great video.

45-2177 DVD \$29.95



## WINDSURFING 101

The instructors at Naish Hawaii, Hawaii's oldest windsurfing shop, will make you feel like you're getting a hands-on lesson along the shores of Kailua Bay. They'll start you off by covering safety, gear and wind knowledge. Then you'll do some dry land practice before heading out for three thorough on-the-water lessons. Step-by-step instruction, slow motion, stop action, and helpful graphics will make learning fast, easy and fun. 60 minutes.

45-2174 DVD \$29.95



## SPAM—A HARDCORE WINDSURF JOURNEY

Strap on your seat belt as you watch the world's best windsurfers ripping it up in wave and freestyle locations around the globe. 68 minutes plus 31-minute bonus section.

45-2163 DVD \$29.95

## PLUG N' PLAY

This video elevates windsurfing right back up among the top extreme sports to watch. It's a pure windsurfing video with 90 minutes of the most amazing, up-to-date and radical freestyle and waveriding action, exotic locations, polished editing, and a great soundtrack. Parental warning: Some foul language lyrics and a few "raunchy" scenes.

45-2165 DVD \$36.95



## WINDSURFING BOOK: THE SKILLS OF THE GAME

This book teaches how to get started, how to improve, and how to acquire more advanced techniques. Includes a special section on competition. Illustrated throughout with photos and explanatory diagrams. Invaluable advice for windsurfers of all ages and abilities. ©1994. Paperback. 128 pages.

45-0090 Book \$24.00

## DA KINE HARNESSES

Da Kine offers a range of harnesses to make your sailing as comfortable and secure as possible while accommodating a wide variety of sailing styles. Whether you prefer a seat or waist harness, all of Da Kine's harnesses are built with attention to fit and function. They are crafted with the best materials available and designed with the assistance of the world's best sailors.



### DA KINE NEXUS WAIST

Da Kine's lightweight molded Nexus offers a soft, comfortable, anatomical 3-D shape and internal battens for support and performance. The harness comes with load equalizer patches, plus an independent primary and secondary Power Belt for a super secure fit. Features Dual Posi-Lock buckle system, safety pouch compatibility, and a key pocket. Order spreader separately.

\$86.00

- 32-1161 Small
- 32-1162 Medium
- 32-1163 Large
- 32-1164 X-Large



### DA KINE T3 WAIST

Da Kine's thermoformed waist harness has a new design for 2007. The unique, three-piece outer design provides maximum flexibility and support.



Dual Density Inner

It has a molded anatomical 3-D shape with a dual density inner and features a new, lightweight equalizer patch design, internal batten support, and an independent primary and secondary Power Belt for a super secure fit. This harness utilizes the Dual Posi-Lock system for secure, non-slip tensioning. Order spreader separately.

\$139.00

- 32-1155 X-Small
- 32-1156 Small
- 32-1157 Medium
- 32-1158 Large
- 32-1159 X-Large



### POSI-LOCK BUCKLE SYSTEM

The revolutionary Posi-Lock Buckle System offers a non-slip, unbreakable closure system. Made of corrosion-resistant stainless steel.

### DUAL POSI-LOCK

Same as above, but Dual Posi-Lock allows for the replacement and readjustment of the spreader bar webbing without having to send the harness in for repair. Featured on the ThermoForm II, Pyro (kite) and Impact harnesses.



### QUICK RELEASE POWER CLIP BUCKLE

Dual stainless system connects instantly and securely to both ends of the spreader bar. Webbing then connects to the Quick Release (and not the bar ends), making for ultra-smooth adjustment and greatly reduced bar roll. System works equally well for right or left handed entry and release.

32-1028 Replacement Power Clip Buckle—Pair \$30.00

### INDEPENDENT POWER BELT

The Independent Power Belt incorporates an elasticized primary belt for increased comfort and performance. This belt provides total closure security, as well as back and side support, giving the sailor a positive harness positioning.

Sorry, videos may not be returned unless defective.



# WINDSURFING HARNESSSES & SPREADER BARS



## DA KINE NITROUS SHORTS Windsurf/Kite Crossover

Da Kine's popular board shorts/harness combination has been redesigned for 2007. The Nitrous has an 8-point load dispersion system to keep you comfortable. Constructed of lightweight, quick-dry fabric, it features Da Kine's PowerClip buckle system, an ultra-comfortable, internal leg strap, removable grab handle, and a side pocket. Assorted colors as available. Order spreader separately.

\$109.00

32-1146-28	28" Waist
32-1146-30	30" Waist
32-1146-32	32" Waist
32-1146-34	34" Waist
32-1146-36	36" Waist
32-1146-38	38" Waist



## DA KINE WOMEN'S STARLET SHORTS

Windsurf/Kite Crossover

Da Kine's women-specific design is constructed of lightweight, quick-dry fabric and features the PowerClip buckle system, 8-point load dispersion system, ultra-comfortable, internal leg strap, and removable grab handle. Assorted colors as available. Order spreader separately.

\$109.00

32-1081	Small—Size 6
32-1082	Medium—Size 8
32-1083	Large—Size 10



## DA KINE SPEED SEAT

With a style and fit to fit a variety of sailors, the Speed Seat has independent back adjustment, adjustable lumbar wings, and load equalizer patches for a comfortable, custom fit. It also features self-tensioning neoprene leg straps and 2" Cam Lock buckle system. Order spreader separately.

\$54.00

32-1110	X-Small
32-1111	Small
32-1112	Medium
32-1113	Large
32-1114	X-Large



## DA KINE WOMEN'S TEMPEST SEAT Windsurf/Kite Crossover

This women-specific, supportive seat harness provides a great fit without bulk. Features an adjustable hook height, Powerbelt system, Power Clip buckle system, 8-point load dispersion system, and ultra-comfortable leg straps. Order spreader separately.

\$79.00

32-1071	Small
32-1072	Medium
32-1073	Large



## RELATED ITEMS

Kiteboarding Harnesses..... pg 70-71



## DA KINE BLAST

The Blast boasts many of the features of Da Kine's more expensive harnesses, including a Powerbelt system, an 8-point load dispersion system, load equalizer patches and adjustable lumbar wings, self-tensioning leg straps, and key pocket. Comes with the PowerClip buckle system. Spreader bar height is adjustable. Order spreader separately.

\$69.00

32-1116	Small
32-1117	Medium
32-1118	Large
32-1119	X-Large



## DA KINE XT SEAT

With its high back and compression molded back panel, the XT Seat offers incredible back support. It has been redesigned for 2007 and features adjustable spreader bar height, independent primary and secondary Power Belt, internal batten support, 8-point load dispersion system, self-tensioning neoprene leg cinch straps, load equalizer patches, and PowerClip buckle system. Order spreader separately.

\$89.00

32-1130	X-Small
32-1131	Small
32-1132	Medium
32-1133	Large
32-1134	X-Large



## DA KINE STAINLESS STEEL ROLLER SPREADER BARS

These non-corrosive, stainless steel bars feature a roller that reduces harness line wear. For windsurfing use only.

01-0164 10" \$25.00

01-0165 12" \$22.00 CLOSEOUT



## DA KINE STAINLESS SPREADER BARS

Non-corrosive, stainless steel spreaders are much stronger than aluminum. For windsurfing use only.

01-0156 6" \$20.00

01-0155 10" \$20.00

01-0153 12" \$20.00



## FIXED BAR RETRO FIT KIT

Adapts all Da Kine Dual Posi-Lock buckle systems to lock spreader bar in non-sliding position. Spreader and buckles not included.

32-1024 Fixed Bar \$15.00

## DA KINE WEBBING REPAIR KIT

Replace worn harness webbing on Posi-Lock system.

32-1025 \$10.00



Spreader bars are not included with harnesses; please order spreaders separately.

## COLORS

Color selection varies and colors shown may not always be available. Please call if you have a specific color request. and we will do our best to accommodate.

DA KINE SIZING		
Harness Size	Men's Waist	Women's Waist
XS	28" (71 cm)	26-28" (66-71 cm)
S	30" (76 cm)	28-30" (71-76 cm)
M	32" (81 cm)	30-32" (76-81 cm)
L	34" (86 cm)	32-34" (81-86 cm)
XL	36"-38" (91 cm)	34-38" (86-91 cm)

Not all sizes are available in all styles. Nitrous shorts have waist sizing.

# HARNESS LINES

## DA KINE CLASSIC REACTIVE LINES

The best on-the-fly adjustable harness lines available. Feature 8-plait prestretched Marlow® rope, high-density polyurethane tubing, and corrosion-resistant metal buckle. Non-slip pads prevent twist and slippage on the boom.

32-1228 18"-24" \$36.00  
32-1219 22"-28" \$36.00



## DA KINE FIXED LINES

Da Kine's Fixed Lines have clean, simple attachment. Non-slip boom pads prevent twist and slippage on the boom. Durable construction with 8-plait prestretched Marlow® rope in high-density polyurethane tubing.

32-1230 18" \$22.00  
32-1205 20" \$22.00  
32-1212 22" \$22.00  
32-1213 24" \$22.00  
32-1207 26" \$22.00  
32-1210 28" \$22.00



## DA KINE LINES

These lines allow for custom length adjustment and feature 8-plait prestretched Marlow® rope, high-density polyurethane tubing, and non-slip boom/bar pads to prevent twisting and slippage on the boom.

32-1204 \$24.00



## DA KINE ADJUSTABLE REACTIVE LINES

The Adjustable Reactive Lines give you the ability to customize the length of your lines. Constructed of 8-plait prestretched Marlow® rope and high-density polyurethane tubing with non-slip boom pads.

32-1227 \$27.00 CLOSEOUT



# FOOTSTRAPS

## DA KINE SUPREMO FOOTSTRAP

The Supremo features conventional outer styling with an innovative inner. For comfort, 7mm neoprene padding cushions the foot while a rolled inside edge eliminates pressure points. The internal adjustment system increases functionality and a pre-formed arch prevents collapsing. Twist is reduced by Da Kine's Control System. The Supremo is compatible with single or double inserts. Each.

32-1305 \$20.00



## DA KINE PRIMO FOOTSTRAP

Da Kine's original footstrap is designed with a pre-formed arch to eliminate collapsing. It features 7mm neoprene padding, internal adjustment system and is compatible with both single and double hole footstrap inserts. Each.

32-1300 \$15.00



## DA KINE PROFORM FOOTSTRAP

The Pro Form's external adjustment system gives easy adjustment on or off the water, so this strap is great for rentals, demos or rigs which are being shared. A pre-formed arch prevents collapsing, so your foot slides right in and is cradled by the comfortable 7mm neoprene padding. Compatible with both single and double hole footstrap inserts. Each.

32-1313 \$15.00



# DAKINE

## DA KINE CORE CONTOUR SYSTEM

The specific front and back strap design provides a powerful and responsive foot-to-board connection. Front straps have a unique forward angle that fits the shape of the foot. The tapered outline of the back strap works like an offset strap on both tacks. Single and double insert compatibility. Includes Twist Control System. Modify your freeride or formula board with either an additional front or back Core Contour strap.

32-1345 Set of 3 \$65.00

32-1346 Rear Strap Only (to make set of 4) \$23.00



## DA KINE ADJUSTABLE CONTOUR SYSTEM

The specific front and back strap design provides a powerful and responsive foot-to-board connection. Front straps have a unique forward angle that fits the shape of the foot. The tapered outline of the back strap works like an offset strap on both tacks. Internal adjustment system. Straps have single and double insert compatibility and the system includes Twist Control System. Modify your freeride or formula board with either an additional front or back Core Contour strap.

32-1347 Set of 3 \$65.00

32-1352 Rear Strap Only (to make set of 4) \$23.00





# TRACTION



## HYDRO-TURF™

Hydro-Turf with 2-way, machine-cut grooves (waffle pattern) is 3/16" thick and offers the best traction. Apply with contact cement. Comes as 36" x 50" sheet; half (18" x 50") and quarter sheets (9" x 50") are also available at a proportional price.

41-2991BK	Black	\$75.00
41-2991BL	Blue	\$75.00
41-2991GR	Grey	\$75.00
30-2011	Contact Cement— 1/2 Pint	\$9.95
30-2020	1" Bristle Brush	\$1.59



## RE-DEK™ TRACTION SYSTEM

A quick and easy way to obtain permanent, professional-quality traction. Eight ounces of this extra gritty, ultra-clear, non-yellowing formula covers approximately 18 sq. ft. Dries in 2-3 hours. Gallon size has no tray or roller.

40-2010	Kit with 8 oz.	\$23.95
40-2011	Gallon— Formula Only	\$89.00

## DA KINE TWIST CONTROL SYSTEM

Helps to lock down foot-strap tabs and reduce twist. Works with all Da Kine footstraps and most others.

32-1310 \$4.00



## STRAP CONTROL

Still the industry standard, Shred Tech Strap Control washers eliminate twisting by spreading the clamping load across the width of the footstrap. Injection molded using an unbreakable nylon material. Each.

42-0201 \$1.00



## DA KINE WAI WAI BASE PAD

Da Kine's exclusive, surf-proven design features high-density foam which covers the mast base, providing the ultimate in foot protection. Compatible with tendon and hourglass universals. Assorted colors as available.

32-1726 \$9.00

## DA KINE 14" MAST PAD

Da Kine's 14"-high mast pad has foam padding to protect your board from mast damage. The quick-cinch main strap and surf strap provide a secure fit. Black.

32-1727 \$14.00 CLOSEOUT



## 3-POST INSERT

This is the most commonly used adjustable insert.

It has a good range of 0, 1" or 2". Lightweight.

Features 10-32 brass inserts, stainless 10-32 x 3/4" screw and #10 x 3/4" OD washer. Each.

01-9527 \$4.80



## FOOTSTRAP INSERTS

The best choice for custom fiberglass or epoxy-skinned boards. Kit includes two inserts, stainless self-tapping screws and flat washers.

01-9518	1" Kit	\$3.25
01-9514	1" Insert Only	\$.65
19-3211	Screw #10	\$.34
19-4011	Washer	\$.20

## RELATED ITEMS

Rope .....	pg 15
Windsurfing Harnesses .....	60-61

# MAST, UNI & BOOM PADS

## DA KINE HD MAST PAD

Protect your board from mast damage with this sleek, 14"-tall, super lightweight mast pad constructed of charcoal gray high density foam. The pad is secured to the mast with a clip retention system at the top and hook and loop fastener at the bottom.

32-1730 \$20.00



## DA KINE BOOM BRA

With foam padding and a quick and secure attachment system, Da Kine's Boom Bra contours to your boom to protect your board from boom damage. Assorted colors as available.

32-1701 \$11.00



## DA KINE BRO BRA

High-density foam provides the ultimate board protection from boom damage. The Bro Bra is pre-formed for a snug fit and has a quick and secure attachment system. Assorted colors as available.

32-1702 \$13.00



Photo: Glenn Dubock

# WINDSURF BAGS

## DA KINE SINGLE MAST BAG

This bag holds one 2-piece mast with each piece protected in a separate compartment. Constructed of durable, heat-reflective energy shield fabric with reinforced ends. The quick-release buckle end adjusts to any size. 10" circumference; 8' (244cm) long.

32-1408 \$20.00



# DAKINE

## DA KINE ADJUSTABLE QUIVER BAG

This versatile quiver bag with expandable end compartments adjusts from 6' (183cm) to 7' (213cm) to 8' (244cm) and is capable of holding up to six sails... and it can also hold two-piece masts! The 600D polyester bag features a zippered side storage compartment and handles for easy transport.

32-1404 \$80.00



## DA KINE DUPLEX QUIVER BAG

The Duplex Quiver Bags offer a unique crush-proof strap tunnel for roof rack attachment without crushing sails. Each quiver bag has separate sail and mast compartments that easily accommodate up to six sails and three 2-piece masts. Foam padding around the mast compartment increases protection and durability. A zippered side storage compartment, heavy-duty handles on both ends, and an exterior I.D. pocket top it off.

32-1405 Wave 7'8" (234cm) \$125.00

32-1403 Freeride 9' (274cm) \$125.00



## DA KINE WINDSURF DAYLIGHT BAG

This is the choice for day-use protection for the top of the car or back of the truck. The Daylite bag is constructed of heat-reflective energy shield material to keep your board nice and cool and has 3/16" (6mm) foam padding and a reinforced nose patch to keep it protected. It closes with a wraparound zipper and can be comfortably carried with its padded shoulder strap. The bag also has a zippered fin slot.

**OVERSIZED SHIPPING RATES APPLY**

32-1466 8'4" x 29" (255 x 75 cm) \$100.00

32-1467 8'8" x 33" (265 x 85 cm) \$100.00



## DA KINE SINGLE WALL WIDE-STYLE BAG

For classic heat and ding protection, the Padded Travel Bag combines a heat-reflective energy shield/polyester construction with 3/8" (12mm) foam padding. Its tapered sidewalls easily accommodate extra board width for the best fit. The bag also features a reinforced nose patch, zippered fin slots on both sides, heavy duty nose and tail handles, a balance finder handle, shoulder strap, and an exterior I.D. pocket.

**OVERSIZED SHIPPING RATES APPLY**

32-1473 8'4" x 39" (255 x 100 cm) \$155.00

32-1474 8'8" x 35" (265 x 90 cm) \$155.00







## LADDER RAX FLEXIBLE STORAGE SYSTEM

Made of durable polypropylene webbing, this versatile storage system keeps your equipment safely suspended off the floor. It is simple, takes up no space when not in use, and is so flexible that it works for virtually any kind of large and hard-to-store recreational equipment. Ladder Rax will conform to fit whatever is resting in it. The system can be hung from the ceiling or wall with the two tough hooks. Simply screw hooks into wood joists or studs approximately 48" apart, slip loop end of Ladder Rax over hooks, and start hanging! Holds 50 lbs. per rung, or 200 lbs. total weight.

13-6220 \$34.95



## GARB TIE-DOWN STRAPS

Garb Tie Downs attach to your rack and stay there. Once you adjust the buckle for the desired loop length, the Garb strap works as a modified bungee cord. Just tighten by pulling the webbing end and its elasticity holds your gear firmly in place. Easy to use, durable and treated for UV protection. Two per set.

32-1512 \$28.95



## BONEZ BOARD STACKERS

Designed for stacking boards on roof racks. Concave shape provides maximum cushioning and stability. Pair. 24" x 2-1/2" x 2-1/2".

41-3022 \$18.95



## DA KINE WETDRY DUFFLE

Keep your wet items separated from your dry stuff in this versatile duffel's special wet compartment. The bag has a split-level design and features an insulated cooler pocket and a padded shoulder strap. 28" x 15" x 11" (71 x 38 x 28cm) with a volume of 4620 cu. in. (76L).

32-4107 \$60.00



## DA KINE WATERMAN HYDRATION PACK

Stay hydrated with Da Kine's Waterman Hydration Pack, featuring a 70-oz. (2 liter) wide-mouth reservoir, molded drain plug and lightweight nylon/mesh construction.

32-7062 \$40.00



## DA KINE RACK PADS

Rack pads are constructed of durable 600D polyester fabric with hook and loop closure for quick installation and removal. Custom extruded foam fits a wide range of crossbars. Pair of 17" pads is available in assorted fabrics as stock permits.

32-1504 \$20.00



## DA KINE RACK STRAPS

Da Kine's proven design is constructed of heavy-duty polypropylene webbing with heavy duty, 1" cam buckles and buckle pads for protection. Includes two 12' straps and carrying bag.

32-1510 \$15.00

## TOGGLE STRAP

A quick tie-down.

Order ready-made or, to do it yourself, order 3/16" shock and rope end stop.

13-1020 Toggle Strap 12" \$3.00  
27-0199 Rope End Stop Only \$2.10



Other Da Kine items are available by special order.

## RELATED ITEMS

Zippered Pouches..... pg 58



Rider: Kai Katchadourian Photo: Charles Oreve

# STREAMLINED UNIVERSALS & EXTENSIONS



## A-D. QUICK-LOCK SYSTEM

This double-strong, two-bolt, quick release system has set a new standard for its low profile design, strength and security. The universal is extremely low and the base cup height is the lowest of any high performance universal. It is easy to use and exceptionally strong. Stainless steel, sliding lock plate with a large diameter stainless steel lock button.

- A. 03-2322 Quick-Lock without Base Cup \$60.00
- B. 03-2300 Quick-Lock with Base Cup \$79.95
- C. 03-2399 Quick-Lock with Euro Pin \$69.95
- D. 03-2323 Plate Only \$36.95
- 03-2324 Uni with Base Cup for Quick-Lock \$49.95
- 03-2325 Uni with Euro Pin for Quick-Lock \$36.95
- 03-0198 Channel Insert 6mm Stainless \$1.50
- 03-0199 Flat Head Machine Screw 6mm \$1.50



## EURO PIN ONLY

This pin fits most Euro-style extensions.

- 03-0299 \$9.00



## TENDON JOINT

Retrofit virtually any system to the original tendon. Includes tendon joint with 8mm studs, washers and nuts.

- 03-2220 \$36.95
- Replacement Parts**
- 03-0200 Tendon Urethane 2-1/16" - 1994 to present \$12.00
- 03-0203 Tendon Screw with Nut - 1994 to 2006 (fits cast aluminum cup) \$1.20
- 03-0223 Tendon Screw with Nut - 2007 & later (fits machined cup with flat sides) \$1.20

## E-G. TWIST-ON SYSTEM

It is adjustable without tools, always centered, and has a very low profile. The ultra thin base keeps the base cup as close to the deck as possible.

- E. 03-2222 Twist-On without Base Cup \$54.00
- F. 03-2000 Twist-On with Base Cup \$74.95
- G. 03-2099 Twist-On with Euro Pin \$64.95
- 03-0205 Twist-On Keyhole Plate \$10.00
- 03-0196 Insert - 8mm Heavy Duty Stainless Steel \$1.50
- 03-0197 Insert - T-Nut 8mm Brass \$2.00

## BEWARE OF IMITATIONS!

The Streamlined logo stamped on the flesh-colored tendon is your symbol of authenticity.



## STREAMLINED REDLINE EXTENSIONS

Streamlined's REDLINE extensions are evolved from their popular Super-lite line that was tried, tested, and proven for years. They start with their own unique 6061 T-8 drawn aluminum tubing, made in the U.S.A. All are anodized red, inside and out, and have numbered increments every two centimeters. Select an extension based on the diameter of your mast and if it will be attached to a U.S. base cup or a Euro pin, then choose either a short or long model. Upgrade to ball bearing pulleys for easier downhauling, especially with race sails. All have a secure, foolproof adjustment pin tethered to a stainless steel reinforced nylon collar and incorporate Streamlined's powerful "Quick-six" downhaul cleat system and low-stretch downhaul line. All Euro pin models incorporate Streamlined's new latch system.



New latch system for Euro Pin models



## STREAMLINED TRIPLE BLOCK

Streamlined developed this triple block for even easier downhauling. It clips, gap-free, to the tack grommet or triple brackets found on most sails. It has three ball bearing sheaves to reduce friction, perfectly aligned for the Quick-Six. This triple block, combined with the Quick-Six with brass or ball bearing sheaves, is incredible. Super powerful, easy and simple!

- 03-2623 With Brass Sheaves \$23.00
- 03-2623B With Ball Bearing Sheaves \$36.00



## H-I. QUICK-SIX DOWNHAUL CLEAT

Streamlined's Quick-Six downhaul cleat originally incorporated large diameter brass sheaves. In 1998, ball bearing sheaves were introduced as an option. This design further reduces friction, so even more sailors can rig without tools or devices. The Quick-Six rigs rapidly, requires no threading at the cleat, and provides 6 to 1, no-crossover purchase power. Available on Streamlined's extensions or a la carte for an easy bolt-on upgrade for most mast bases.

- P. 03-2621B Quick-Six with Ball Bearing Sheaves \$35.95
- Q. 03-2621 Quick-Six with Brass Sheaves \$22.95



## H-O. STREAMLINED REDLINE EXTENSIONS

	STANDARD DIAMETER		REDUCED DIAMETER (RDM)	
	SHORT Overall length: 45cm/18"	LONG Overall length: 65cm/26"	SHORT Overall length: 45cm/18"	LONG Overall length: 65cm/26"
<b>FOR BASE CUP</b>				
<b>WITH BRASS SHEAVES</b>	H. 03-2626 \$99.95 6cm to 26cm range 2-1/4" to 10-1/4"	I. 03-2646 \$109.95 6cm to 46cm range 2-1/4" to 18"	J. 03-2826 \$99.95 7cm to 26cm range 2-3/4" to 10-1/4"	K. 03-2846 \$109.95 7cm to 46cm range 2-3/4" to 18"
<b>WITH BALL BEARING SHEAVES</b>	03-2626B \$129.95 6cm to 26cm range 2-1/4" to 10-1/4"	03-2646B \$139.95 6cm to 46cm range 2-1/4" to 18"	03-2826B \$129.95 7cm to 26cm range 2-3/4" to 10-1/4"	03-2846B \$139.95 7cm to 46cm range 2-3/4" to 18"
<b>FOR EURO PIN</b>				
<b>WITH BRASS SHEAVES</b>	L. 03-2926 \$119.95 6cm to 26cm range 2-1/4" to 10-1/4"	M. 03-2946 \$129.95 6cm to 46cm range 2-1/4" to 18"	N. 03-2726 \$104.95 6cm to 26cm range 2-1/4" to 10-1/4"	O. 03-2746 \$114.95 6cm to 46cm range 2-1/4" to 18"
<b>WITH BALL BEARING SHEAVES</b>	03-2926B \$149.95 6cm to 26cm range 2-1/4" to 10-1/4"	03-2946B \$159.95 6cm to 46cm range 2-1/4" to 18"	03-2726B \$134.95 6cm to 26cm range 2-1/4" to 10-1/4"	03-2746B \$144.95 6cm to 46cm range 2-1/4" to 18"



# STREAMLINED BOOMS & ACCESSORIES

## STREAMLINED "STRAP-ON" BOOM HEAD

Streamlined's ground breaking innovation gives higher performance by providing a super positive boom-to-mast connection! The urethane bushings protect your carbon mast and boom and prevent slop. The Strap-On Boom Head is very easy to attach to the mast and it doesn't slip. Although the boom head weighs only 13.5 oz. (Hawaiian Proline is 12 oz.; Fiberspar is 13 oz.), it is incredibly strong. It is constructed to last with a durable aluminum frame, stainless steel clamps and replaceable heavy duty webbing. The boom head is no longer the weakest link in the rig!

### For Standard Diameter Masts (Blue)

03-4000-0 For Hawaiian Proline or Gulf Tech Boom 37mm \$140.00

03-4000-2 For Neil Pryde Boom 35mm \$150.00

03-4000-4 For Fiberspar Boom 39mm  
(minor modification) \$150.00

### For Reduced Diameter Masts (Purple)

03-4100-0 For Hawaiian Proline or Gulf Tech Boom  
37mm \$140.00

03-4100-2 For Neil Pryde Boom 35mm \$150.00

03-4100-4 For Fiberspar Boom 39mm  
(minor modification) \$150.00

### Replacement Bushings for Boom Tube

Urethane bushings cushion and isolate the boom head from the boom tube. These are replacements only, as bushings are included with strap-on boom head. Package of 4 is enough for one boom.

03-0400 Bushings—For Hawaiian Proline or Gulf  
Tech Boom \$15.00

03-0402 Bushings—For Neil Pryde Boom \$21.25

03-0404 Bushings—For Fiberspar Boom \$22.00

### Replacement Parts

03-0420 Replacement Strap \$8.50

03-0421 Stainless Clip for Boom Strap \$8.50



## STREAMLINED WINDOW STICKER

3-1/2" x 5-1/2" sticker is grey and white on clear background and has adhesive back.

03-8010 \$1.50



## STREAMLINED TRUE PERFORMANCE BOOMS

Excellent for surf sailing, jumping, freestyle, and all fun high wind sailing. A unique exaggerated straight section up to the front curve so the front hand can be powerfully and comfortably overhand and ergonomic. A 100% U.S.A. prepreg carbon fiber, small diameter body with a super lightweight carbon tail piece, combine to make the stiffest, lightest, strongest boom possible. Each boom has a 50 cm range with settings every 2cm. Standard on the Josh Angulo Boom is Streamlined's own "Strap-on" boom head and their thin and tough "ProGrip" HTR (high tear resistant) grip. This boom, with its innovative curve, ultra light tail, rigid head and super easy grip/diameter, represents a whole new level of performance.

All booms are also available with RDM boom heads; add the letter "R" to item number.

### JOSH ANGULO TRUE PERFORMANCE WAVE BOOMS

03-4140 140 to 190cm — approx. 2.0 kg \$754.00

03-4155 155 to 205cm — approx. 2.1 kg \$760.00

03-4170 170 to 220cm — approx. 2.3 kg \$764.00

### POWER GRAB TRUE PERFORMANCE SLALOM BOOMS

Wider for speed and slalom.

03-4175 175 to 225cm — approx. 2.3 kg \$794.00

03-4195 195 to 245cm — approx. 2.4 kg \$799.00



### RELATED ITEMS

Downhails & Tools..... pg 69  
More Universals & Accessories ..... 68

### RDM BOOM ADAPTER

Necessary when using a standard boom on a reduced diameter mast.

01-9504 \$7.00



**Streamlined Team Rider Josh Angulo**

**STREAMLINED GUARANTEE**

Streamlined Corporation takes pride in manufacturing in the U.S.A. under self-imposed stringent standards of quality, workmanship and materials. Streamlined Corporation guarantees its products to be manufactured with the finest materials and workmanship possible. Streamlined will repair or replace any of its products found to be defective in materials or workmanship for a period of 90 days. Universal joint parts will be inspected, repaired and/or replaced at no charge if returned to Streamlined postage prepaid within one year of purchase.

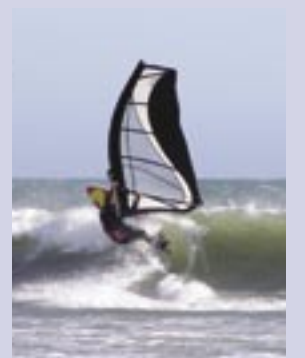
Photo: Charles Orevé

## NOLIMITZ MASTS

### NOLIMITZ

#### THE "ORIGINAL" SKINNY

Handmade from the best designs using the best materials, this is the ultimate windsurfing mast. It is the lightest, strongest, most responsive mast you will ever own. The NoLimitz Skinny mast led the movement to smaller diameters in carbon masts and is the mast of choice for the sailor who wants the absolute lightest mast possible without sacrificing durability. Discover what insiders have known for over 15 years: Nolimitz masts rule! Includes boom adapter. Ships by FedEx or UPS as an oversized item.



### NOLIMITZ SKINNY 2-PIECE MASTS

MODEL	LENGTH	MCS	IMCS	CARBON	WEIGHT	ITEM NUMBER	PRICE
Skinny 2-piece	340	22	11	91%	3.25lb/1.50kg	57-523425	\$425.00
Skinny 2-piece	370	23	14.3	91%	3.43lb/1.56kg	57-523725	\$425.00
Skinny 2-piece	400	24	17.8	91%	3.61lb/1.64kg	57-524025	\$425.00
Skinny 2-piece	430	25	21.5	91%	4.10lb/1.69kg	57-524325	\$435.00
Skinny 2-piece	460	26	25.5	91%	4.25lb/2.05kg	57-524625	\$475.00



## A-D. CHINOOK-STYLE FLEX JOINT

A very heavy duty universal joint to replace original equipment. Oversized molded rubber.

A. 01-9511	Joint	\$16.75
B. 19-2210	8mm 1-1/8" Hex Bolt	\$1.80
C. 19-2211	8 x 40mm Stud	\$2.00
19-2212	8 x 50mm Stud	\$2.25
D. 19-2522	8mm Nylock Nut	\$.60



## CHINOOK STRONG BOX

8" fiber-filled, molded plastic deck box.

03-3020 \$10.50

## BASE CUP

3/8" double push button. American standard heavy duty plastic base cup with brass insert has cover which prevents sand from jamming parts.

03-0281	Base Cup	\$12.75
03-0219	Double Push Button Only	\$3.50



## CHANNEL INSERTS

03-0198	6mm Stainless	\$1.50
03-0196	8mm Stainless Rectangular	\$1.50
03-0197	T-Nut Insert 8mm Brass	\$2.00



## STAINLESS RIVETS

19-5031	CCP 6-4	3/16 x 1/4"	\$.70
19-5032	CCP 6-6	3/16 x 3/8"	\$.75
19-5033	CCP 6-8	3/16 x 1/2"	\$.75
19-5021	CCC 6-4	3/16" x 1/4"	Countersunk \$.74

## RELATED ITEMS

Da Kine Wai Wai Pad	pg 63
Streamlined Masts & Booms	67
Streamlined Universals	66

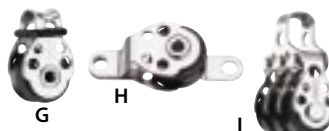


## E-H. ADJUSTABLE OUTHAUL KIT

Racers and recreational sailors can adjust outhaul tension "on the fly" for maximum power or speed.

1. Low gear: Loosen outhaul tension to "power-up" to get going, even in light wind
2. Shift to drive: Tighten outhaul to flatten sail for more speed as you get onto a plane and/or more efficiency when heading upwind.
3. Adjust the outhaul (sail shape) from either side, at any time. Very low friction system helps you to make fine adjustments without disturbing your balance or position.
4. With the optional triple outhaul pulley and double sail pulley system, you can tighten/flatten the sail, even while overpowered.
5. The tailpiece of your boom must have a minimum of two roller sheaves. Add-on Harken Air Blocks can be installed if needed, or to increase purchase power.
6. Kit includes 2 boom cleats, 2 Harken single air blocks, line (Spectra and low stretch) and two ball end stops

E. 01-9520	Adjustable Outhaul Kit	\$70.00
F. 28-0404	Harken 16mm Air Block	\$10.50
G. 28-0416	Harken Cheek 16mm Air Block	\$12.15
H. 28-0408	Harken 16mm Triple Air Block	\$30.80



## DOUBLE SAIL OUTHAUL PULLEY

Fits in the clew grommet to dramatically reduce the friction of line running through the clew grommet. Two low-friction brass pulleys increase purchase power by reducing friction. Two halves screw together for easy installation.

03-0177 \$8.50



## CLAMCLEAT™ BOOM CLEAT & CLAMP

Aluminum Clamcleat™ with plastic mount allows you to position a cleat anywhere on the boom. Use as part of adjustable outhaul systems. Complete with screws and a removable shim to accommodate virtually all boom sizes. Will fit boom circumferences of 100-116mm and line sizes 1/8"-1/4".

27-0244 \$19.75



## MAST PROTECTOR

Spread the load over a broad section of mast. 5" aluminum protector is for tight-fitting boom ends. May be required to uphold mast warranty.

01-9503 \$5.00



## PROGRIP™

UV-resistant, tough, yet soft closed-cell foam grip works best when wet. Ultralight 4.5 oz. per pair. Thin 2mm reduces the overall diameter for comfort. Easy two-step installation using contact cement (not included). One pair of 4-1/2" x 66" strips.

01-9901-01	Black	\$30.00
00-9901-01	By the Foot Black	\$3.00

## ADHESIVE

Use fast-drying contact cement for flat grip.

30-2011	Contact Cement	1/2 pt. \$9.95
30-2020	Brush 1"	\$1.59



# UPHAULS



## DA KINE UPHAUL

No rig is complete without an uphaul. Da Kine's version is durable, tubular nylon webbing with internal shock cord. The upper portion lies flat against the mast and either the uphaul or mast can be grabbed to regain balance. 52".

32-1222 \$11.00



## DA KINE POWER UPHAUL

Da Kine's new Power Uphaul has an internal bungee system that holds tight to the mast. Oversized EVA grips are easy to grab and comfortable for uphauling.

32-1224 \$15.00

## EASY UPHAUL

Join everyone on the U.S. Sailing Team and uphaul with a smile. Take it easy on your back. Everybody who tries this uphaul loves it, even beginners.

01-9100 \$34.50







## DOWNHAUL TOOL WITH PIN & CUP

Launch sooner and sail longer with this portable downhaul crank! It is ultra-powerful, so everyone will be able to easily and precisely tune sails and cleat the downhaul line in exactly the right position. (It's hard to see your sail shape with your eyes squinting, teeth clenching and hands aching.) Heavy duty alloy construction with Delrin bushing for low friction. Includes a pin for compatibility with Euro pin systems and a Chinook-compatible base cup which fits most American-made bases. It's easy to switch between the two by slipping the cup over the pin.

03-4002 \$57.95



A 4:1 system can be made by using a #28-0405 and #28-0406.

## A-J. RACE BOARD DOWNHAUL

Shown are examples of adjustable downhaul systems for race boards. Build your own system by choosing the appropriate parts from the photo above.

A. 28-0404	Harken 16mm Single Air Block \$10.50	F. 28-0417	Harken 16mm Single with Swivel \$18.90
B. 28-0405	Harken 16mm Single Air Block with Becket \$12.00	G. 27-0253	Aluminum Clamcleat with Roller \$24.65
C. 28-0406	Harken 16mm Double Air Block \$21.80	H. 21-0615	5/32" D Shackle with Screw Pin \$4.15
D. 28-0407	Harken 16mm Double Air Block with Becket \$23.85	I. 39-2310BK	5/32" Low-Stretch 8-Strand Braid— per ft. \$ .34
E. 28-0416	Harken 16mm Cheek Air Block \$12.15	J. 39-2329	Dyneema 12-Strand Gray 3mm per ft. \$ .65

## FIN ACCESSORIES



### CHANNEL INSERTS

Carry a spare! 6mm is replacement for European insert.

03-0190	10-32 Stainless	\$2.00
03-0198	6mm Stainless	\$1.50
19-2912	Machine Screw #10-32 x 3/4"	
	Slot Pan Head	\$ .34

### SKEG SAVER™

Patented fin protection system. Breakable plastic slide is used to replace the metal slide on adjustable fin boxes. Greatly reduces or eliminates costly damage from fin contact with underwater obstructions. Will not pre-release.

43-3007 \$6.95



### EASY RIGG

Downhaul tool, halyard tensioner and shackle tool. Metal teeth grip 3/32"-3/16" line diameters. Easy to grip and pull. Assorted colors prevent loss. Display: 25/case.

01-0010 \$8.95



### ALUMINUM RIGGING TOOL

The strong one! Pull high-tension downhauls and more! Features powerful, off-center pulling; line exits tool between first and second fingers. Tool grips 1/8" to 1/4" diameter lines.

54-0021 \$12.95



### POWER GRIP II BY CLAMCLEAT®

The CL262 Power Grip 2 is for two-handed use where even more pulling power and control are required. It is light, strong and convenient to carry in your pocket. The anodized aluminum tool grips 3/32"-1/4" diameter lines.

27-0262 \$24.75



### POWER GRIP I BY CLAMCLEAT®

The CL261 Power Grip 1 is for single-handed use. It allows you to pull twice the load compared to using your bare hand and is equally suitable for right- or left-handed use. Line pulls from center of tool. The anodized aluminum tool features two sets of grip cleats to grip 1/8"-1/4" diameter lines. 3-3/4" long.

27-0261 \$16.10



### 3- AND 4-ROLLER HOOKS

All-metal blocks feature cast aluminum hook and body with stainless steel rollers and shaft. Strong!

27-5628	3-Roller Hook	\$16.50
27-5729	4-Roller Hook	\$18.00



Photo courtesy of Starboard

# KITEBOARDING HARNESSSES

## DA KINE

### DA KINE KITEBOARDING HARNESSSES

Da Kine's innovative designs result from their over 20-year history of product development, on-the-water experience, and input from their extensive group of team riders. All of Da Kine's kite harnesses offer reinforced stainless steel leash attachment rings and a grab handle to aid in launch and rescue. Order spreader separately.



Leash Attachment Ring

#### QUICK RELEASE POWER CLIP BUCKLE

Dual stainless system connects instantly and securely to both ends of the spreader bar. Webbing then connects to the Quick Release (and not the bar ends), making for ultra-smooth adjustment and greatly reduced bar roll. System works equally well for right or left handed entry and release.



32-1028 Replacement Power Clip-Buckle-Pair \$30.00



#### POSI-LOCK BUCKLE SYSTEM

The revolutionary Posi-Lock Buckle System offers a non-slip, unbreakable closure system. Made of corrosion-resistant stainless steel.

#### DUAL POSI-LOCK

Same as above, but Dual Posi-Lock allows for the replacement and readjustment of the spreader bar webbing without having to send the harness in for repair.

#### COLORS

Color selection varies and colors shown may not always be available. Please call for current color selection.

#### DA KINE SIZING

Harness Size	Waist Size
XS	28" (71 cm)
S	30" (76 cm)
M	32" (81 cm)
L	34" (86 cm)
XL	36"-38" (91 cm)

Not all sizes are available in all styles. Nitrous harnesses are sold by waist size.

### DA KINE NITROUS SHORTS

#### Kite/Windsurf Crossover

Da Kine's popular board shorts/harness combination has been redesigned for 2007. The Nitrous has an 8-point load dispersion system to keep you comfortable. Constructed of lightweight, quick-dry fabric, it features Da Kine's PowerClip buckle system, an ultra-comfortable, internal leg strap, grab handle, stainless steel leash attachment rings, and a side pocket. Assorted colors as available. Order spreader separately.

\$109.00

32-1146-28	28" Waist
32-1146-30	30" Waist
32-1146-32	32" Waist
32-1146-34	34" Waist
32-1146-36	36" Waist
32-1146-38	38" Waist



### DA KINE PYRO WAIST HARNESS

The Pyro's molded 3-D shape and dual density inner offer comfort, security and maneuverability. This harness features riveted equalizer patches for added strength, independent primary and secondary Power Belt, Dual Posi-Lock buckle system, stainless steel leash attachment rings, and molded grab handle. Order spreader separately.

\$139.00

32-1191	X-Small
32-1192	Small
32-1193	Medium
32-1194	Large
32-1195	X-Large



Dual Density Inner

### DA KINE WOMEN'S STARLET SHORTS

#### Kite/Windsurf Crossover

Shorts and harness in one! Da Kine's women-specific design is constructed of lightweight, quick-dry fabric and features the PowerClip buckle system, 8-point load dispersion system, ultra-comfortable, internal leg strap, stainless steel leash attachment rings, and grab handle. Assorted colors as available. Order spreader separately.

\$109.00

32-1080	Size 6
32-1081	Size 8
32-1082	Size 10
32-1083	Size 12



### DA KINE TABU KITE WAIST HARNESS

The Tabu's lightweight dual density foam and anatomical 3-D shape easily conform to the body. Redesigned for 2007, the Tabu features: internal load dispersion system; independent primary and secondary Power Belt; Power Clip buckle system; stainless steel leash attachment rings; neoprene buckle cover; and molded grab handle. Order spreader separately.

\$99.00

32-1051	Small
32-1052	Medium
32-1053	Large
32-1054	X-Large



Neoprene Buckle Cover

### HOOK KNIFE WITH HANDLE

Da Kine's anodized aluminum knife has a stainless steel "protected" blade for cutting lines in an emergency. Webbing sleeve for easy mounting.

32-1040 \$8.00



#### RELATED ITEMS

Da Kine Retro Fit Kits.....	pg 61
Harness Lines.....	72
Kite Bars.....	72
Impact Vests.....	77

### WOMEN'S WAHINE WAIST HARNESS BY DA KINE

With lightweight, dual-density foam and an anatomical 3-D shape, the Wahine was designed specifically for women. It offers excellent support, yet is light and soft. Features: internal load dispersion system; independent primary and secondary Power Belt; PowerClip buckle system; stainless steel leash attachment rings; and grab handle. Order spreader separately.

\$87.00

32-1061	Small
32-1062	Medium
32-1063	Large





# KITE SPREADERS & PADS



## INDEPENDENT POWER BELT

The Independent Power Belt incorporates an elasticized primary belt for increased comfort and performance. This belt provides total closure security, as well as back and side support, giving the sailor a positive harness positioning.

## DA KINE FUSION SEAT HARNESS

The Fusion's advanced design gives extremely comfortable support and freedom of movement. This seat harness features a compression molded back panel, molded lumbar support, and internal batten support, plus an 8-point load dispersion system to prevent point loading. Da Kine's Power Clip spreader bar holding system delivers incredible resistance to spreader bar roll and functions as a right or left-handed quick release. Other features include: independent primary and secondary Power Belt for a snug fit; ultra-comfortable leg strap; adjustable spreader bar height; stainless steel leash attachment rings; and grab handle. Order spreader separately.

\$135.00

- 32-1181 *X-Small*
- 32-1182 *Small*
- 32-1183 *Medium*
- 32-1184 *Large*
- 32-1185 *X-Large*



## DA KINE STORM KITE SEAT

The Storm Seat has many of the same benefits as the Fusion, but at a lower cost. It boasts an adjustable hook height with 8-point load dispersion system; Powerbelt system; Power Clip buckle system; ultra-comfortable leg straps; stainless steel leash attachment rings; and grab handle. Order spreader separately.

\$94.00

- 32-1085-1 *Small*
- 32-1085-2 *Medium*
- 32-1085-3 *Large*
- 32-1085-4 *X-Large*



## DA KINE WOMEN'S TEMPEST KITE SEAT

This women-specific, supportive seat harness provides great fit without the bulk. Features: adjustable hook height; Powerbelt system; Power Clip buckle system; 8-point load dispersion system; ultra-comfortable leg straps; stainless steel leash attachment rings; and grab handle. Order spreader separately.

\$79.00

- 32-1071 *Small*
- 32-1072 *Medium*
- 32-1073 *Large*



## DA KINE HAMMERHEAD KITE SPREADER BAR

Da Kine's stainless steel spreader features a unique Hammerhead kite-specific design.

- 01-0157 6" \$16.00
- 01-0158 10" \$16.00
- 01-0159 12" \$16.00



## DA KINE PIVOTING HAMMERHEAD KITE SPREADER BAR

The Pivoting Hammerhead was designed specifically for kite use and features an articulating hook that reduces pressure on bar ends. Stainless steel construction.

- 01-0160 10" \$25.00



Posi-Lock



PowerClip

## DA KINE SPREADER BAR PAD

Da Kine's spreader bar pad has added padding to protect ribs, greatly increasing rider comfort. Da Kine's latest model is compatible with all Da Kine harnesses, including Posi-Lock and PowerClip and those of most other manufacturers.

- 32-1035 6" \$20.00
- 32-1037 10" \$20.00
- 32-1039 12" \$20.00

## A-B. SLINGSHOT SUREFIRE SPREADER BAR

A simple kiteboarding safety system that gives the rider redundant kite-release control from almost any bar. The SureSpin Leash detangles for you, so there is no need to "unspin." The unique hook with trigger release can be used in the open position, so you can get into or out of the hook like a normal kite bar hook. Simply close the hook if you prefer shackle-style riding. Press the hook trigger release to release your chicken loop or harness line. The release hook swings up 180° to ensure complete release. Easy to reconnect in the water after hook release. Pro model has releasable handle pass leash. Spreader bar is 10" wide. Includes complete instructions.

- A. 54-6003 *Standard* \$100.00
- B. 54-6004 *Pro* \$100.00



Rider: Wes Matweyew Photo: Jason Wolcott

# HARNESS LINES & SHEETING SYSTEMS



## CABRINHA CROSSBOW 2 CHICKEN LOOP

Non-swiveling chicken loop for Cabrinha Crossbow and Contra kites.

54-2214 21cm \$17.00  
54-2215 23cm \$17.00



## CABRINHA SWITCHBLADE 2 CHICKEN LOOP

Non-swiveling chicken loop for Cabrinha Switchblade kites.

\$23.50  
54-2216 21cm  
54-2217 23cm



## AIRUSH FIXED AIRLOOP WITH SAFETY RELEASE

Semi-flexible chicken bone can lock AirLoop to kite harness bar to prevent unwanted release. Figure-8 swivel permits attachment of leash to AirLoop while still fixed to kite bar. Pull-pin safety release is simple, strong and nicely protected with neoprene sleeve. Compatible with most bars, sheeting straps, and depower systems.

54-8024 \$24.95



## AIRUSH MONO HARNESS LINE

The Mono Harness Line is attached by one Velcro closure and positioned in the center of the kite bar. It is made extra stiff so that it does not flap around and, consequently, it always maintains its position on the bar for easy hook-ins. Pull the pin for quick release.

54-8001 13" \$7.95 CLOSEOUT  
54-8013 15" \$19.95 CLOSEOUT



## AIRUSH HARNESS LINE

Attached by two Velcro closures to the kite bar, the Standard Harness Line is most commonly used with an Air Loop (or chicken loop), but works well on all bar setups and systems. This line is stiffer than a windsurfing harness line, with shorter Velcro closures to accommodate the smaller diameter kite bars.

\$9.95 CLOSEOUT  
54-8033 18"  
54-8034 20"  
54-8035 22"  
54-8036 24"

## DETACHABLE CHICKEN BONE

Keep your chicken loop from releasing from your spreader bar. Detachable chicken bone can be mounted to your spreader bar or to the chicken loop itself.

54-8014 \$7.50

## AIRUSH KNOTLESS SHEETING SYSTEM

The Knotless Sheeting System gives a clean and knotless leader-to-bar connection and provides a broad range for depowering any type of 4-line kite. Attaches to the chicken loop with a half hitch.

54-8023 \$20.00



## AIRUSH MONO SWIVEL HARNESS LINES WITH SAFETY RELEASE

Attached by one Velcro closure and positioned in the center of the kite bar, this bombproof swivel version allows a rider to untwist the fly lines while remaining hooked into the harness. Unlike other swivel lines, the Airush Swivel always locks in place after turning for easy hook-ins. It features an upgraded swivel and a smooth mechanism to ensure smooth spins and simplicity with unwinding lines. This harness line is

only for advanced riders that do not use a wrist leash. For use with Mono Sheeting System; not compatible with all safety systems.

54-8011 13.25" \$19.95  
54-8013 15.25" \$19.95



## AIRUSH AIR LOOP SHEETING SYSTEM

Connect Air Loop (chicken loop) trim line to bottom of sheeting system.

(Air Loop trim lines first pass through bar or fairlead attached to bar.)

Fine tune the maximum (bar-pulled-in) power of your kite with the sheeting system. Let the bar out to depower as needed for launching or to handle gusts. Features much copied, simple two-pull adjustment system: Pull the web handle to shorten center lines or pull rope handle to lengthen them.

54-8022 \$20.00

## AIRUSH MONO SHEETING SYSTEM

This system attaches to the middle of the kite bar with a double webbing loop, allowing the use of a mono or swivel harness line. The Mono System is for flyers who want 4-line adjustability without an Air Loop (or chicken loop) setup, and prefer to use a mono or swivel line (with one attachment point) on the bar. For use with Mono Swivel Harness Lines.

54-8021 \$20.00



Rider: Eric Marchand

## RELATED ITEMS

Kite Harnesses ..... pg 70-71  
Kite Lines ..... 75  
Leashes.....77  
Sheeting Accessories.....73





## COBRA CLAMCLEAT®

Purpose designed Clam-cleat® allows micro-adjustment of your brake line. Easy to attach with simple larkshead knots. Performs best with 6mm (1/4") line. Hard anodized to prevent sand wear. Length 4-1/2".  
27-0264A \$26.50

## KITE TRIM CLEAT

Clamcleat® aluminum rope cleat with a hard-anodized coating that wears better than non-anodized when used with sandy line. Bottom roller. Rope size: 3/16" - 5/16" (4-8mm). Length: 3-1/2".  
27-0253A \$26.50



## A-B. HARKEN CARBO AIR BLOCKS

Convert your carbon kite bar into a pulley bar. Use three feet of 5 or 6mm Dyneema line (#39-2331 or 39-2332) to attach the block to the bar ends. 29mm has 1-1/8" sheave diameter; 40mm has 1-9/16".

A. 28-0351 29mm \$17.05  
B. 28-2650 40mm \$19.20

## KITE BLOCK

Ronstan's little block has twice the working load of their previous kite block (black RF668) with half the weight. Replace older, heavier blocks now! 300# SWL; sheave diameter 5/8"; max. line size 5/32". Pair.  
21-13101 \$9.00

## RONSTAN MICRO PULLEY

Upgrade bow and flat kite bridle pulleys with Ronstan's micro pulleys to extend the life of your bridles and increase the working strength. 3/4" sheave diameter with 1/4" max. line size. 550 lb. max. working load; 1210 lb. breaking load. Each.  
21-2011 \$10.75

## HOLT ALLEN BULLSEYE FAIRLEAD

Mounts to carbon 20-25mm bar as an alternative to a hole in the bar for depowering.  
24-0455 \$16.95



## KITE BAR FAIRLEAD KIT

Better than a hole in your bar! Purpose-built, the Bump & Jump fairlead fits close and smooth and does not weaken your bar. Two fairlead inserts fit bars from 0.75" - 1.25" OD (19-31mm). Includes tool to tighten stainless fasteners. Maximum line size is 5/16" (8mm).  
54-5108-1 \$20.00

## STAINLESS RING

Welded stainless steel ring is used with wrist release assembly.  
22-3320 1/8" x 3/4" ID \$2.25  
22-3525 3/16" x 3/4" ID \$2.75



## BARREL BEADS & BALLS

For up to 3/16" line.  
21-1316 1" \$1.60  
21-1317 3/4" \$1.40  
21-1318 5/8" \$1.25  
54-8095 Airush Half-Moon Ball— (5/32" line max.) each \$2.00



## AIRUSH KNOTLESS BALL

Movable, positive line stop on leader line. Position ball stop so that the kite bar travels out line just far enough to permit kite to completely depower. For 3/32", 7/64" and 1/8" line. Package of 6.  
54-8094 \$6.00



## RONSTAN EYE & EYE SWIVEL

This little ball-bearing swivel can easily convert your regular chicken loop into a hefty swiveling chicken loop. Marine grade 316 stainless hardware is rated to 2200 lbs. of breaking strength. 2.5" long, 2.3oz.  
21-0078 \$56.10

# SHACKLES

## CHOOSING THE RIGHT SHACKLE

When available, the manufacturer's load rating (MWL=Maximum Working Load; SWL=Safe Working Load) is indicated. Regardless of the type of load rating, all factors regarding your specific use and conditions must be considered when choosing and using a shackle. Your body weight is only a start in calculating the shackle strength necessary. In addition, always figure in a factor of safety!

For attachment to your harness, snap shackles are best fitted with a barrel bead on a short line attached to the release ring for increased pull and ease of reach. Since a kite leash shackle is the last resort to completely release the kite, make safety a priority and choose a quality shackle that releases well under tension. Make sure you can reach your shackle by attaching it to the front of your harness or having it on a lanyard from the back, but so it can be reached from the front and you can see it.

Because the shackle attached to your kite will be flying, choosing a shackle that is light in weight is important. A quick and/or easy attachment to the kite is strictly for convenience.

## WICHARD QUICK RELEASE SHACKLE

Your strongest and most reliable choice! Wichard's 2-3/4" swivel shackle is drop forged from high-resistance stainless for great strength. Quick-release design opens easily under load with the included lanyard. Weighs 2.5 oz. SWL 2425 lb.  
27-2673 \$69.95



## SNAP SHACKLE WITH SWIVEL EYE

2-3/4" long stainless steel shackle has 1/2" diameter eye. SWL 1000 lbs. Weighs 2.4 oz.  
22-4521 \$36.00



## TRIGGER SNAP SHACKLE WITH SWIVEL

Heavy duty swiveling stainless shackle has an overall length of 2-11/16". Weighs 2 oz. SWL unspecified.  
27-146048 \$8.95



## SNAP SHACKLE WITH TACK

Stainless steel shackle is 2-3/4" with 1/4" pin diameter. SWL 800 lbs. Weighs 2.4 oz.  
22-4501 \$39.00



## TRIGGER SNAP

Lightweight, die-cast, manganese bronze swiveling shackle with overall length of 2-9/16". Weighs 1.5 oz. SWL unspecified.  
27-136800 \$5.45



Rider: Chris Gutzeit Photo: Jason Wolcott

# TRAINER KITES & REPAIR



A



## A. AIRUSH TRAINER KITE PACKAGES

Trainer kites are an absolute necessity for beginners. The 2-meter is ideal for most people wanting to learn the basics in moderate winds. The 3-meter is recommended for those who want to experience power. A safety wrist leash is provided with the 3-meter kite. Both kites are packaged with a kite bar, lines, carrying case and instructions.

- B. 54-8402 2m Trainer Kite Package \$149.00  
54-8403 3m Trainer Kite Package \$249.00



B

## B. HQ TRAINER KITE PACKAGES

HQ's trainer kites feature sewn-in line attachment tabs to increase durability, longevity and breaking strength. They include 80-ft Dyneema lines with 320-lb. test and a 50cm bar. Lines come pre-attached to the kite for immediate use. The included triangle-shaped backpack helps protect your kite during transport and storage. Instruction manual included. Red, yellow or blue as available.

- 54-3511 2m Trainer Kite Package \$99.99 Handy backpack included  
54-3513 3m Trainer Kite Package \$159.99



## SAIL/KITE REPAIR TAPE

Cut the needed amount off the 25-foot, 2"-wide roll and keep the rest handy for emergencies. The 3/4-oz. ripstop nylon is self-adhesive and easy to apply.

\$9.50 white / \$9.95 colors

- 10-3400 White  
10-3400-1 Black  
10-3400-2 Light Blue  
10-3400-3 Red  
10-3400-4 Hot Pink  
10-3400-6 Gold  
10-3400-7 Green  
10-3400-8 Dark Blue  
10-3400-9 Silver

## TEAR-AID KITE REPAIR KITS

The best known kite bladder and canopy repair kit we're aware of. Each package includes one foot of clear repair tape, alcohol pad and instructions.

To use, clean area to be repaired with alcohol, cut patch to size, then peel and stick.

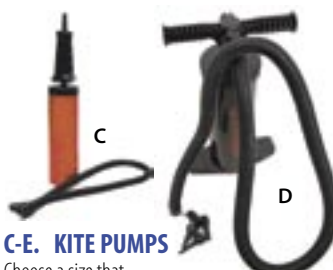
- 10-3310 Kite Canopy (A)—2.5" wide \$5.95  
10-3300 Vinyl Bladder (B)—1.25" wide \$3.00



# BLADDERS & PUMPS

## FULL-SIZE KITES & BOARDS ARE ALSO AVAILABLE!

Ask us about our selection of kites and boards in stock or available by special order from Cabrinha, Slingshot, Airush, Lite Wave, Ocean Rodeo and Liquid Force. Call 800-786-7245 or e-mail us at [info@murrays.com](mailto:info@murrays.com).



## C-E. KITE PUMPS

Choose a size that meets your needs. The smallest pump is compact and packs nicely, but takes longer to do the job. The larger pumps have metal shafts; they take up more room, but inflate much faster. Each pump includes universal nozzles and adapters.

- C. 54-6298 Airush Small Kite Pump \$7.95  
D. 54-6299 Airush Double-Action Pump 1.4L \$30.00  
E. 54-6300 Double-Action Pump 2.0L with Gauge \$27.95

## SLINGSHOT PUMP PRESSURE GAUGE

Don't over-inflate!

Accurately measure kite bladder pressure with Slingshot's pressure gauge. It's compatible with most standard kite pumps including Airush, Caution, Slingshot and West Marine pumps (both 1.4 and 2 liters).

- 54-6296 \$15.00



## CYLINDRICAL SAND BAG

Don't let your kite blow away! This heavy duty, cylindrical sand/rock bag holds your kite's folded wing tip and easily rolls off for self launch. Fill the bag with sand or pea gravel and conveniently empty it for traveling.

- 54-9003 \$18.00



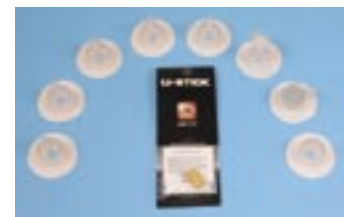
## HQ GROUND STAKE

HQ's ground stake will hold chicken loop to enable unassisted kite launching. Metal rod has an orange handle that is easy to spot. Handy black sheath is included.

- 54-3501 \$6.99

## AIRTIME U-STICK BLADDER REPLACEMENT SYSTEM

U-Stick valves can be configured to fit any kite. Follow the included instructions to mark, clean, peel, stick, press and activate.



## U-Stick Valves

- 61-6201 9mm Valve \$10.00  
61-6201-1 9mm Valve with Check Flap \$10.00  
61-6202 11mm Dump Valve \$10.00  
61-6203 Onepump Valve \$10.00  
61-6204 Onepump LE Valve Kit (includes 5 onepump, one 9mm inflation & one 11mm deflate valves) \$39.95  
61-6206 3" Fix-it Kit Option Valve \$10.00  
61-6207 2" Option Valve \$10.00  
61-6208 9mm Fix-it Kit \$15.00

## Strut Replacement Bladders

Extend the bladder full length on the floor (do not stretch) and measure from the trailing tip to the inflation nipple. Round up if unsure of measurement.

- 61-6330 Strut 30" \$16.00  
61-6340 Strut 40" \$18.00  
61-6350 Strut 50" \$20.00  
61-6360 Strut 60" \$22.00  
61-6370 Strut 70" \$26.00  
61-6380 Strut 80" \$30.00  
61-6390 Strut 90" \$35.00  
61-6399 Strut 100" \$40.00

## Leading Edge Replacement Bladders

Extend the bladder full length on the floor (do not stretch) and measure the entire length of the bladder tip to tip.

- 61-6219 LE 19' \$60.00  
61-6221 LE 21' \$70.00  
61-6225 LE 25' \$85.00  
61-6228 LE 28' \$100.00  
61-6228C LE 28' Cabrinha \$100.00  
61-6232 LE 32' \$105.00  
61-6232C LE 32' Cabrinha \$105.00  
61-6235 LE 35' \$120.00  
61-6235C LE 35' Cabrinha \$120.00  
61-6237 LE 37' \$125.00  
61-6240 LE 40' \$130.00  
61-6243 LE 43' \$135.00  
61-6246 LE 46' \$140.00

The best combination of two kite bladders is one for your largest leading edge and one for your largest strut. These two bladders will work in your smaller kites as well. Talcum powder should be used when inserting bladders.



Rider: Wes Matweyew

Photo: Jason Wolcott





Photo courtesy of HQ Kites

## DYNEEMA™ SK75 12-STRAND BRAIDED PRE-LINES

With almost no stretch and a urethane coating for extra abrasion resistance. It's easy to splice and there is no need to sleeve. 7/64" may be used as leader lines; 1/4" makes a good chicken loop line. Gray. Sold per foot.

39-2328	2mm Gray	\$.40/ft
39-2328BL	2mm Blue	\$.40/ft
39-2328RD	2mm Red	\$.40/ft
39-2329	3mm Gray	\$.65/ft
39-2331	5mm Gray	\$1.06/ft
39-2332	6mm Gray	\$1.60/ft



## SLINGSHOT PIGTAILS

Replacement pigtails with foolproof connections help prevent wear and tear on your lark's heads. Easy to pull off, saving teeth and nails. Set of 4.

54-6013	Kite	\$15.00
54-6014	Line/Bar (shown)	\$15.00



Photo courtesy of Eric Marchand

## CREATE AND CUSTOMIZE YOUR OWN Q-LINE KITE LINES

Note: Only Q-Line & Q-Line Pro do not need sheathed loop ends.

1. Decide what length line you want.
2. Measure and cut 4 lengths of line about a foot longer than the line length desired.
3. Tie an overhand knot onto the end of each of your lines to create your larks heads.
4. Attach all the larks heads to a nail so that all lines will be the same length.
5. Walk your lines to the desired length.
6. Mark your lines with a pen at the exact length you want. Make sure to have about 4 inches of extra line beyond the mark to tie your knot. Center the pen mark in the knot.
7. Pigtails can be used to color code your attachment points and reduce wear on your larks heads.



## HQ LINE SETS

HQ's economical line sets have four lengths of kook-proof colored 595-pound line on a plastic winder.

54-3502	595# 4 x 22m Colored	\$82.00
54-3503	595# 4 x 25m Colored	\$88.00



## HOOK KNIFE WITH HANDLE

Da Kine's anodized aluminum knife has a stainless steel "protected" blade for cutting lines in an emergency.

32-1040 \$8.00



## A. Q-POWERLINE PRO

The latest advancement in kitesurfing line technology, with a thinner, stronger Spectra fiber to further improve the time-proven features of Q-PowerLine. Pro is now 30% thinner than standard Q-PowerLine for even lower drag. It is more stretch-resistant, with stronger impact strength, a smoother "hand" to make it much more kink-resistant, and it features a new surface treatment for a more slippery finish, allowing more wraps possible, much longer life than braided lines, no requirement for sleeving, a round cross-section for lower drag than "thinner" flat braided lines, high-visibility safety coating, and 100% pure Spectra construction for flotation. Bulk spools.

61-0276-1	Q-Pro 600# 500 ft (152m)	White \$180.00
61-0276-2	Q-Pro 600# 500 ft (152m)	Yellow \$180.00
61-0276-3	Q-Pro 600# 500 ft (152m)	Orange \$180.00

**TIP** When cutting line, apply super glue to line and let dry BEFORE cutting. This is a good trick for keeping cuts neat.

## B. Q-POWERLINE BULK LINE

Q-PowerLine represents over 5 years of research and development to engineer the ultimate line specifically for traction kiting applications. The unique cored construction utilizes continuous linear strands of very high tenacity Spectra 2000® fiber encased in an extremely tight braided Spectra 2000® sheath. The resulting line exhibits the ideal characteristics for traction kiting: almost zero stretch means minimal length adjustments and incredible kite "feel" when flying; no required sleeving makes it easy to produce your own custom sets; self-lubrication ensures minimal friction during line wraps; a round cross-section minimizes parasitic wind-drag, increasing both the kite's forward speed and response to pilot input; a tight external braid reduces dirt abrasion; and a higher modulus (stiffness) than traditional lines almost totally eliminates line tendency to tangle. Proprietary coating technology allows production of hi-visibility safety lines in fluorescent yellow and orange with even coatings that resist the tendency to fade and rub off.

61-0235-2	300# 1000 ft YL	\$240.00
61-0235-3	300# 1000 ft OR	\$240.00
61-0266-1	600# 500 ft WH	\$120.00
61-0266-2	600# 500 ft YL	\$120.00
61-0266-3	600# 500 ft OR	\$120.00

## LINE LENGTH TIPS

Change the size of your kite with the length of your kite lines. Shorter lines effectively reduce the size of your kite and increase the kite's responsiveness. As a general rule, 3 meters of kite line = 1 meter of kite.

For example:

- 10 meter kite + 25 meter lines = 9 meter kite
- 10 meter kite + 28 meter lines = 10 meter kite
- 10 meter kite + 31 meter lines = 11 meter kite

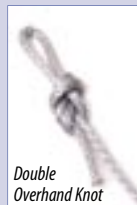
5-10 meter lines allow you to fly your full-size kite as a trainer.

15-25 meter lines are recommended for wave riding.

30+ meter lines are recommended only for advanced kites.

Tie a double overhand knot on each end of the line.

This information and more valuable tips are found in *Secrets of Kiteboarding*.



Double Overhand Knot



# KITE FOOTSTRAPS & PADS



## X-LACE KITE FOOTSTRAPS

With the X-Lace's on-the-fly micro-adjustability, strap size can be easily fine tuned for the ultimate in control and performance. A pre-formed arch prevents collapsing and the strap's unique pull tab adjustment system is not affected by salt or sand. Pair. 32-1320 \$44.00



## CONTROL STANDARD FOOTSTRAPS

With comfort and maneuverability in mind, these straps feature an anatomical 3-D shape and an extra-wide design which spreads pressure over the entire foot. They feature single side entry, a replaceable cover, and single or double insert compatibility. Standard model includes Twist Control System. Pair. 32-1350 \$54.00



## LITEWAVE ADJUSTABLE PRO STRAPS

Double overlock 2" velcro closures with integrated pull tabs. Hardware covers also have tabs for easy access. This adjustable footstrap is constructed of lightweight EVA and neoprene. Pair. 54-9651 \$49.95



## NSI PROTON ADJUSTABLE KITE STRAP

NSI's original kite specific dual-entry footstrap has morphed into the Proton Kite Strap. The design offers all the comfort of the original Adam footstrap, with added convenience of NSI's unique cam buckle adjustment system for fast and easy customized size adjustment. Super lightweight performance, with a large adjustment range and easy "on the fly" adjustment. Pair. 54-9054 \$52.00



Pad not included

## NSI RATCHET FOOTSTRAPS

With an integrated ladder strap and ratcheting buckle, this dual-entry footstrap has a huge range of adjustment and the ability to completely cement your feet to your board. Black. Pair. 54-9055 \$55.90



## CAUTION CONTOURED FOOTSTRAP SET

Super comfortable, dual EVA asymmetric contoured footstrap for optimum comfort and connection to your board. Non-adjustable. Pair. 54-3051 \$32.00 CLOSEOUT



## SURFTECH STRAP PAD

With its durable construction and low-profile design, the Strap Pad is the ultimate quality crossover pad. The Strap Pad system is lighter than factory inserts and the comfortable, preformed, multi-position strap design allows for 40 degrees of adjustability. The directional surface grip on the pads provides superior traction. Internal engineered baseplates have sonically welded inserts. Constructed of high-quality, soft, durable, multi-density EVA rubber. Pad edges are beveled to 45-degrees to resist peel-up and application is easy with peel-and-stick 3M super-strong marine adhesive. All stainless steel hardware. Set includes one unidirectional front pad, one directional pad with kick tail, two footstraps and eight 5mm screws. 62-0050 \$129.95



## VARIO STANDARD FOOTSTRAP

This dual-entry strap is extra wide to spread the pressure over the entire foot. It features a replaceable cover and single or double insert compatibility. Includes Twist Control System. Each. 32-1351 \$28.00



## VARIO ADJUSTABLE FOOTSTRAP

This dual-entry strap features an internal adjustment system. It is extra wide to spread the pressure over the entire foot and has a replaceable cover and single or double insert compatibility. Each. 32-1349 \$24.00



## DA KINE BOOST II DECKPADS

Da Kine's Boost II deckpads with mounting plate are molded of a shock absorbing compound for soft landings and with a unidirectional traction pattern and built-in arch support for comfort and maximum grip. Pair. 32-1354 \$30.00



## CAUTION ERGONOMIC FOOT PADS

The cushiest footbed ever made for kiteboarding. Custom EVA footbed with arch support, heel guide, toe ramp, and toe ridge for superior comfort and traction. You'll find yourself riding for hours on end with total comfort and traction. The ultra-light, convex carbon plate allows endless mounting capabilities without permanently attaching the pads to any board. Pair. 54-3041 \$59.95



## NSI SURFACE MOUNT FOOTSTRAP INSERTS

Set of four footstrap insert plates with specially formulated 3M® peel-and-stick adhesive for use on surface of surfboards. Includes screws. 54-9064 \$29.95



## NSI SURF 'N SKIM PADZ

Put footstraps on any surf or skim board using these pads with built-in threaded footstrap inserts. Peel and stick installation using specially formulated 3M adhesives. No need to drill into your board! Remove the straps for strapless kiting or surfing; screw them back on for strapped kiting or tow-in surfing. Sold as a set (front and rear). 54-9065 \$99.00



Rider: Chris Gutzeit Photo: Jason Wolcott



# HANDLES & HEELSTRAPS

# LEASHES & IMPACT VESTS



## DA KINE KITE HANDLE

Da Kine's ultra-lightweight yet unbreakable kite handle has a rigid profile for maximum control. Weighs only 1.3 oz. with a hole spacing range of 5-1/2 to 7 inches.

32-1266 \$10.00



## AIRUSH ALLOY GRAB HANDLE

Aluminum plate sandwiched inside EVA foam layers gives rigid support for better board control. Hole spacing range: 7 to 8-1/2 inches. 2.4 oz.

54-8050 \$19.95



## CABRINHA GRAB HANDLE

Cabrinha's handle for Double Agent is constructed of foam-covered aluminum. This is a small handle with 5-3/8" hole spacing.

54-2198 \$7.95 CLOSEOUT



## SLINGSHOT GRAB HANDLE

Slingshot's aluminum grab handle features a high knuckle clearance, EVA foam padding and stainless hardware. 6" to 6.75" hole spacing.

54-6406 \$14.95

## DA KINE RAPTOR HEELSTRAP

The Raptor heel-strap features a padded cover for maximum comfort and superior strength elastic and webbing construction for durability. The lightweight design has multiple size adjustments and its unique shape stays out of the way when not in use. Pair.

32-1333 \$20.00



## HEAVY DUTY REEL LEASH

Want to keep your leash out of the way? The Reel Leash stores your leash neatly spooled in a plastic housing which attaches to



your harness. The housing has been reinforced with a stainless steel eye bolt to resist strong angular pulls. The leash strap is replaceable.

Comes equipped with a brass clip and board attachment strap.

The optional belt is similar to a diving weight belt and is comfortable and strong enough to withstand powerful pulls, yet is quickly releasable.

54-9011 Reel Leash \$69.95

54-9014 Optional Belt Only Size Medium 28"-32" \$11.95

54-9015 Optional Belt Only Size Large 32"-36" \$11.95

54-9013 Strap Replacement Kit \$9.95



## DA KINE HD KITE LEASH

Heavy duty tubular webbing with stainless steel quick clip and premium ankle cuff with overlapping closure system. Stretches from 5 to 7 feet.

32-1264 \$30.00



## NSI PROKITE LEASHES

NSI's bungee-style kite leash features a new, more comfortable, heavy duty, wider 1" bungee. It also has a thicker, stronger bungee interior design that keeps the bungee from extending beyond its maximum length and stretching out prematurely, a common problem with most other leashes. Available in 3 lengths with looped ends to accept a clip, stainless steel ring or shackle. All parts are sold separately so you can create your own configuration. See page 73 for hardware selection.

54-9067 3' \$11.95

54-9068 4' \$15.95

54-9069 5' \$19.95



## CABRINHA BYPASS LEASH

Cabrinha's leash has a back-up release for ease of use and safety. Extends from 3 to 4.5 feet and features a spreader bar attachment loop, stainless steel security clip, and a unique and easy pull-away quick release. Compatible with almost all kites.

54-2219 \$28.00



## LIQUID FORCE HEELSTRAPS

Liquid Force's heel straps give the ultimate lock-down. An aggressive grip prevents them from coming off when doing power moves and the straps can be adjusted for the amount of hold that you want. Tuck them away when you don't want to use them. Pair.

54-9502 \$12.95



Although impact vests provide protection for impacts and some added flotation when learning, they are not USCG-approved life vests.

## DA KINE MATRIX VEST

With a light-weight, low-profile design for maximum freedom of movement, the Matrix Vest features dual density armor panels, a Power Belt system for support and closure security, and a zippered front for easy on/off. Waist and seat harness compatible.

\$130.00

32-1140 X-Small

32-1141 Small

32-1142 Medium

32-1143 Large

32-1144 X-Large

32-1145 XX-Large



## LITELAVE SLAM VEST

Rugged neoprene/EVA construction protects ribs and chest. Integrator loops "lock" vest and harness into one unit. It also features easy side entry, a built-in harness hook pad, front zippered pocket, harness hook cutout, and a wide Velcro® waistband for maximum adjustment.

\$83.95

54-9601 Small

54-9602 Medium

54-9603 Large



## AIRUSH IMPACT VEST

The lightweight Airush impact vest provides protection and safety with complete freedom of movement. The sleek profile design stays out of the way of your seat harness and ability to hook in and there is nothing for lines to tangle or catch on. The neoprene vest features 6mm shoulders, 10mm chest, and a 15mm back. Its double hook and loop waist straps are 5" wide and it has a large, front zippered pocket.

\$89.95

54-8201 Small

54-8202 Medium

54-8203 Large



# KITE EQUIPMENT BAGS

## NSI DECEIVER BAG

The Deceiver is a functional, well designed and well-disguised kiteboarding travel bag. Designed from an actual golf travel bag with a few inches added and extra padding, the Deceiver accommodates boards up to 147cm (59") in length, three kites, wetsuits, harness and other accessories. Check out the prominently displayed logo...NSI PRO GOLF. Now you can usually just slide that gear right through at check in! Dimensions: base end is 13-1/2" X 15"; top end is 11-1/2" x 14"; length is 59". Bag can accommodate a 20" wide board, 147cm length.

**OVERSIZED SHIPPING RATES APPLY**

54-9181 \$154.00



## LITEWAVE GOLF CADDY TRAVELER

Constructed of rugged red Cordura with a fully padded exterior, the Golf Caddy Traveler features polyurethane wheels and skid plate, three grab handles, cinch straps, an interior pouch for tools, and 'Golf Caddy' graphics. At a roomy 61"x18", the bag fits up to a Lite Wave 145-Freestyle2 and will carry two boards and two kites comfortably. Airlines will usually allow free check-in if you keep it under 50 pounds.

**OVERSIZED SHIPPING RATES MAY APPLY**

54-9631 \$139.00



## CRAZY-FLY BOARD BAG

Da Kine's Kicker Bag is conveniently expandable and accommodates a 25cm range of board sizes. It is soft-sided to minimize bag weight and has an internal padded board sleeve. It holds multiple boards and kites, plus other gear. Exterior I.D. pocket.

\$49.95

**OVERSIZED SHIPPING RATES MAY APPLY**

54-4500 127cm

54-4501 140cm

54-4502 150cm



## DA KINE SLIDER BAG

The Slider Bag is completely padded with 3/8" foam for maximum gear protection. A zipper that runs across the end and past the handle offers easy access. Grab your board and go with the webbing carry handle.

**RATES MAY APPLY**

32-7050 135cm \$50.00

32-7051 155cm \$50.00



## DA KINE KICKER BAG

Da Kine's Kicker Bag is conveniently expandable and accommodates a 25cm range of board sizes. It is soft-sided to minimize bag weight and has an internal padded board sleeve. It holds multiple boards and kites, plus other gear. Exterior I.D. pocket.

**OVERSIZED SHIPPING RATES MAY APPLY**

32-7060 115-140cm \$80.00

32-7061 135-160cm \$85.00



Padded Board Sleeve



## DA KINE AIR WAGON

Da Kine's ultimate wheeled kite and board travel bag conveniently holds multiple boards, kites and other gear. Organize your gear with the help of internal cargo pockets, then access multiple compartments, thanks to the split level design. Easily transport with heavy-duty wheels and durable handles at both ends. 3/8" (12mm) foam padding provides protection and there is an exterior pocket for identification.

**OVERSIZED SHIPPING RATES APPLY**

32-7066-46 135 x 51 x 28cm \$150.00

32-7066-5 160 x 51 x 28cm \$150.00



Heavy duty urethane wheels



## DA KINE TACKLE BOX

Organize your fins and small hardware in Da Kine's convenient Tackle Box, with easy-access mesh tool pockets, clear hardware pockets, and vinyl sleeves to protect and organize your fins.

32-7049 \$20.00



# KITE VIDEOS

## INSTRUCTIONAL VIDEOS

### KITEBOARDING PROGRESSION—BEGINNER

Professional kiteboarders show each step of the learning process in a clear, concise, and easily replicated way. From setting up the kite to your first jump, this video safely demonstrates easy-to-learn ways to master kitesurfing. Subjects include: location and conditions; equipment and terminology; kite setup; launching and landing; kite flying; body dragging; re-launch and self rescue; waterstart; riding and staying upwind; change of direction; and jumping. You can focus on the sections of the over 2-1/2 hours of meticulous instruction that you are currently looking to improve upon.

### KITEBOARDING PROGRESSION—INTERMEDIATE

This is the ultimate tool to guide the intermediate kiteboarder to the next level. The best instruction around for learning back loops, front loops, and transitions — the core repertoire of the mid-level kiter. The pace is slow and repetitive, with accurate and effective instruction and each move is intricately broken down into three stages or "progressions." Unique presentational techniques allow easy learning. 86 minutes

### KITEBOARDING PROGRESSION—ADVANCED

Take the next step in your Kiteboarding Progression by focusing on advanced freestyle and freeriding tricks. Any intermediate kitesurfer will have the opportunity to start slow and build to the tricks we all dream of mastering. Hooked-in maneuvers include kitemanuevers, board-offs, and riding blind. Unhooked instruction includes kite setup and the basics, popping and rales, S-bends, kitemanuevers and downloops and handlepasses. Filmed in Egypt with British pros Lewis Crathern, Neil Hilder and Jo Wilson.

### KITEBOARDING PROGRESSION—PROFESSIONAL

Fourth in the Progression instructional series from Fat Sand, Professional takes the focused insight of 3-time world champ Aaron Hadlow, mixed with the in-depth analysis that has become the trademark of the Progression series to help everyone understand and master the highest level of Pro tricks. Each trick is broken down into simpler parts, so in the end you get a total of 24 tricks. Some tricks covered include the Back Mobe 7, Front Mobe 5, KGB, Slim Chance, Blind Judge 3, S-Mobe, and Kitemanuevers.





## INSTRUCTIONAL VIDEOS & BOOKS

### ZERO 2 HERO

#### REAL Kiteboarding #1: Rank beginner to self-sufficient rider

Zero 2 Hero is the perfect entry-level video, with extended land-based training and detailed water-based instruction, including body dragging and first boardstarts. Sections include: safety and responsibility, wind basics, trainer kite flying, 4 and 5-line water lesson and a bonus section. Over 120 minutes.

45-2134 DVD \$29.95



### EVOLUTION

#### REAL Kiteboarding #2: First Sessions to Riding Upwind

This DVD is all about helping riders progress by improving on-the-water riding, with valuable and hard-to-find instruction on learning techniques, kite control, stance and transitions. Evolution is unique in that it lays out the most effective way to go about learning specific kiteboarding moves and techniques. Sections include: first sessions, transitions, boardride, stance, riding upwind and a bonus section. Helpful graphics and multiple angles are used to best demonstrate both proper and improper techniques. 120 minutes.

45-2138 DVD \$29.95



### JOYRIDE

#### REAL Kiteboarding #3: Aggressive Riding, Turning & Jumping

First you'll reinforce techniques essential for successful jumping. You'll learn the mechanics of jumping, progressive edge, load and pop jumps, boosting jumps, air transitions, and, of course, troubleshooting. Then it's on to the tricks - boosting grabs, load and pop grabs, hooked-in front and back rolls and spins, and an intro to unhooked tricks. Sections include: launching, riding, jumping, tricks, continued education and a bonus section. Filmed in the British Virgin Islands, Joyride runs 120 minutes.

45-2139 DVD \$29.95



### SURF

#### REAL Kiteboarding #4: Surf

Based on REAL Kiteboarding's highly touted 3-day surf camp, this DVD is 100% surf kite instructional. The main portion of the DVD is divided up into three chapters: Surf 101, Surf Skills, and Surf Sessions. There are also some massive bonus sections. This DVD will not only teach you how to successfully up your level in the surf, but will also open your eyes to the true worldwide potential of this sport. It is filmed in the beautiful British Virgin Islands and runs 120 minutes.

45-2149 DVD \$29.95



### KITES METHOD

This 2006 complete kiteboarding book by John Holzhall uses the Kiteboarding International Training Evaluation (KITE) system to cover all the details. KITE method girls take riders step by step through the quickest way to learn and the safest way to teach. In the KITES Method, riders start at the kite without bar or lines and learn how to capture a center of energy, then counterbalance it. Instead of progressing to the waterstart, riders learn the revolutionary Upwind Board Drag (UBD). The use of the board as a planing surface allows riders to travel upwind long before they ever waterstart. In the process, they learn the secrets of kite handling. 352 pages with 500 pictures and illustrations.

45-0302 Book \$34.95



### SECRETS OF KITEBOARDING

Author John Holzhall condensed over 10,000 instructional hours into Secrets of Kiteboarding. With this information in hand, you'll have the crucial benefit of a simple plan in place every time prior to launching a kite. It starts with the basics like set up, kite handling, upwind board-drags and also covers advanced techniques such as power loops, wave riding, weather, and tandem riding. Learn how to use Multiple Line Lengths, giving you the ability to dramatically alter power of your kite by increasing or decreasing the length of the line, and also learn how to make your own custom lines. The soft cover book is 162 pages.

45-2116 DVD \$31.95

45-0301 Book \$31.95



### BOOK: KITEBOARDING VISION

A book is invaluable in the field for preflight checks and technique improvement—something you can't do with a video. Written by IKO's co-founder and head of the training department, Eric Beaudonnat, who has over seven years of international teaching experience, this book covers everything you'll need to know about kiteboarding, including how to choose the right equipment, weather, tricks and jumps, special knots, a complete kiteboarding glossary, and more. Even experienced kiteboarders will appreciate this book. Soft cover. 132 pages.

45-2121 Book \$27.95



Find our latest selection of instructional videos and books at [www.murrays.com](http://www.murrays.com).

Sorry, videos may not be returned unless defective.

All VHS videos are NTSC format and are not compatible with PAL or SECAM.

## ACTION VIDEOS

### SNAPSHOT

Massive waves, thundering winds and extreme performances shot on location in Cape Town, South Africa. From picturesque Cape Point in the south, to surf-heaven, Elands Bay, in the north, Snapshot captures the latest freestyle moves combined with fast, radical, down-the-line waveriding. 5 of the top 10 PKRA riders came to South Africa to train for the 2006 season, including Aaron Hadlow and Ruben Lenten. Top locals in the waves are also mixed in, with each rider pushing kite waveriding to the next level.

45-2142 DVD \$34.95



### SPACE MONKEYS 2

While filming Space Monkeys 2 with Jeff Tobias, Will James, Martin Vari and Jaime Herriaz, the Tronolone Productions team captured the best wave footage ever filmed! Great action, edgy soundtracks and super tight editing make this a must-see!

45-2098 DVD \$29.95



### SPARE CHANGE

Jeff Tobias, Martin Vari and Ben Wilson have pooled their spare change and gone independent, producing a cutting-edge wavekiting film. They started by traveling the world, looking for the ultimate set-ups for riding waves with a kite. With support from Slingshot, this was an amazing opportunity to document not only their travels, but to explore the limits of waveriding. Go deep into Tasmania, Indonesia and Australia, among other places, and see where your spare change can take you. 30 minutes plus bonus stuff.

45-2136 DVD \$29.95



### SOUL FLY

Soul Fly travels through Mexico, California and the Caribbean with featured riders Aaron Hadlow, Josh Mulkoy, Ammy Naff, Peter Trow (of course), and others. And if you know anything about Peter, you'll guess that there's a heavy dose of hardcore waveriding action, epic down-the-line perfection, and heavy Santa Cruz power. This video has soul.

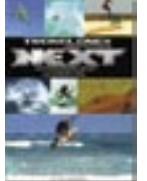
45-2129 DVD \$29.95



### NEXT

NEXT is sure to please everyone with everything from killer flat water and slider action in Cape Hatteras to strapped and unstrapped waveriding in Maui and the Dominican Republic. Stunning visual images of some of the best progressive kiteboarders.

45-2143 DVD \$34.95



### THE UNKNOWN ROAD

Ben Wilson is regarded as one of the most influential wave riders in the world. The film is focused on his surf-style approach to the waves, not comparing it to surfing, but showing it as an extension by using the kite to whip him in, like a jet ski would a surfer, then killing the power of the kite and using the power of the wave to ride the wave. The entire movie is unstrapped and shot all around the world.

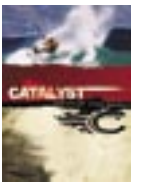
45-2147 DVD \$36.95



### CATALYST

The Cabrinha crew teams up with filmmaker Elliot Leboe to travel the globe in search of wind and waves. This film highlights the lifestyles of three prominent, yet distinctly different kitesurfers -- Andre Phillip, Susi Mai and Pete Cabrinha, focusing on how each one cut his or her patch as a rider. Shot on location in Maui, Bahamas, Guadeloupe, Antigua, Dominican Republic, Cape Hatteras and Perus, Catalyst gives a front seat perspective to the action and lifestyle of three of kitesurfing's most innovative pros.

45-2145 DVD \$29.95



### UNHOOKED 2

A compilation of over a year's worth of worldwide travel, Unhooked 2 is a solid mix of state-of-the-art kiteboarding and conditions with super clean water footage, travel and riding style features, all complemented by a great soundtrack.

45-2089 DVD \$36.95



### WANNA GET HIGH SNOWKITING

Wanna Get High follows the four-stop Corona kitesurfing competition tour around Europe. The footage is top-notch, the terrain boggles the mind, and the music is great. The video has the perfect blend of natural mountainous and flat terrain conditions, natural and man-made obstacles and kickers, skiing and snowboarding, powered tricks and big air, riding and lifestyle. 52 minutes.

45-2120 DVD \$12.95 CLOSEOUT



## RELATED ITEMS

More Instructional Kite Videos .. pg 78

## A

Access Ports .....	42
Adapter, Boom RDM.....	67
Adhesive .....	68
Sealant .....	16
Airush .....	
Heel Straps .....	76
Impact Vest .....	77
Knotless Ball .....	73
Sheeting Systems .....	72
Trainer Kites .....	74
Altimeter Bracket & Cover .....	3
Aluminum Hiking Sticks .....	35
Anchor .....	18
Anti-Pitchpole Hydrofoils .....	36
Aquapacs .....	4, 5
Aquaseal .....	7
Arriba Hiking Sticks .....	35
Assembly Manuals, Cat .....	43
Aussie .....	
Jib Halyard .....	23
Main Halyard Rings .....	30

## B

Bags .....	
Kite Equipment .....	78
Mast, Cat .....	59
Mast, Windsurf .....	64
Port .....	42
Righting .....	36
Sail & Boom .....	59
Ball-End Connectors .....	46
Ball-Lok Pins .....	31
Ball .....	
Airush Knotless .....	73
Cork Grip .....	35
Rope End Stop .....	30
Barrel Beads .....	30, 73
Barz® Optics .....	6, 7
Base Cup .....	68
Base Pads .....	
Catamaran .....	28
Windsurfing .....	63
Bases, Contoured .....	28
Batten .....	
Caps, Catamaran .....	39
Hinge Set .....	39
Tensioners .....	39
Battens, Catamaran .....	38
Beach Wheels .....	57
Bearings, Mast Step .....	27
Big Cat Righting System .....	37
Black Max Wind Indicator .....	19
Black Mesh Trampolines .....	34
Bladders .....	74
Blocks .....	25
Bullet .....	25, 48
Air .....	25
Back-to-Back Ronstan .....	48
Carbo Air .....	73
Cheek .....	25
Fiddle .....	25
Harken .....	20, 21, 24, 25
Harken Pivoting .....	29
Hexaratchet .....	24
Kite .....	73
Mainsheet .....	20, 21
Micro .....	25, 48
Blocks (cont.) .....	
Ratchet .....	24
Smart Ratchet .....	24
Triple, Streamlined .....	66

Board Bags .....	
Kite .....	77
Windsurfing .....	64
Board Stackers, Bonez .....	65
Boat Covers .....	58
Bobs, Baby/Mama/Hobie .....	36
Bolts .....	14
Bonez Board Stackers .....	65
Books .....	
Cat & Dinghy .....	43
Kite Instructional .....	78
Windsurfing .....	60
Boom .....	
Adapter, RDM .....	67
Bras .....	63
Cleat, Clamcleat .....	68
Head, Strap-On .....	67
Streamlined .....	67
Boots .....	12
Box, Chinook Strong .....	68
Bracket, Motor .....	54
Bridle Vanes .....	19
Bridles .....	50, 51
Buckles .....	
Catamaran .....	46
Fastex .....	46
Bullet Block .....	25, 48
Bullseye Fairlead, Holt Allen .....	73
Bull's-Eye Fairleads .....	28
Bungee Cord .....	15

## C

Cable Cutter .....	53
Cam .....	
Cleat, Spinlock .....	21
Kits, Rudder .....	32
-Matic Cleats .....	29
Can't Hurt .....	
Ball-End Connectors .....	46
Trapeze Rings .....	48
Can't Miss .....	
Ball-End Connectors .....	46
Trapeze Rings .....	48
Cap .....	
Nacra Crossbar End .....	48
Neoprene .....	12
Carabiner Hook .....	30
Carbine Hook, Plastic .....	30
Carbo .....	
Air Blocks .....	73
Block, Ratchamatic .....	24
Blocks, 29mm .....	25
Blocks, 40mm .....	25
Blocks, Mainsheet .....	20, 21
Castings, Mast Base .....	27
Cat .....	
Bags .....	42
Key Shackle Tool .....	26, 30
Trax .....	57
CatRax for Nacras & Inters .....	35
Caution .....	
Foot Pads .....	76
Footstraps .....	76
Centerboards .....	33
Channel Inserts .....	14, 69
Cheata Motor Bracket .....	54
Cheek Blocks .....	25
Chicken Loops .....	72
Cinch Rings .....	14
Clamcleat® .....	
Boom Cleat .....	68
Rope Cleats .....	29

Clamcleat® (cont.) .....	
With Roller .....	48
Cobra .....	73
Cleats .....	29
Kite Trim .....	73
Leech Line .....	39
Quick-Six Downhaul .....	66
Ronstan .....	29
Clevis Pins .....	27, 31
Clock, Time & Tide .....	4
Cobra Clamcleat .....	73
Comp Tip Covers .....	59
Compass .....	4
Contact Cement .....	68
Contoured Ports .....	42
Control Bars, Kite .....	72
Convenience Items, Cat .....	30
Cork Ball Grip Kit .....	35
Cotter Pin .....	31
Countdown Timer Watches .....	4
Course Sticker .....	19
Covers .....	
Boat .....	58
Comp Tip .....	59
Daggerboard .....	59
Rudder .....	59
Shroud Adjuster .....	53
Snap-On Wire .....	53
Snorkel Jib .....	59
Wire .....	53
Cradles, Mast .....	54
Hull .....	55
Crossbar .....	
End Cap, Nacra .....	48
Prindle .....	33
C-Skins .....	10
Boots .....	12
Custom Rigging .....	52
Cutter, Cable .....	53
Cutting Tool, Rope .....	15

## D

Da Kine .....	
Base Pad, Windsurf .....	63
Board Bags, Windsurf .....	64
Boom Bras .....	63
Duffle Bags .....	65
Foot Beds, Kite .....	76
Footstraps, Windsurf .....	62
Footstraps, Kite .....	76
Gloves .....	13
Harness Lines, Windsurf .....	62
Hook Knife .....	70, 75
Kite Harnesses .....	70-71
Kite Equipment Bags .....	78
Kite Handle .....	77
Kite Leashes .....	77
Mast Bags, Windsurf .....	64
Mast Pads .....	63
Matrix Vest .....	78
Quiver Bags .....	64
Rack Pads .....	65
Raptor Heel Strap .....	77
Sailing Harnesses .....	47
Twist Control System .....	63
Uphauls .....	68
Windsurf Harnesses .....	60-61
Dacron Spun Braid .....	15
Daggerboards .....	33
Covers .....	59
Deceiver Kite Bag .....	77
Deck Box .....	68

Detent Pin .....	31, 35
Diamond Wires .....	52
Digital Sail Numbers .....	17
Ding All Epoxy Stik .....	16
Dogbone .....	48
Dolphin Striker .....	41
Downhaul .....	
Cheek Block .....	25
Cleat, Quick-Six .....	66
Cleats .....	29
Kits, Cat .....	26
Tools, Windsurf .....	69
Downhauls .....	
Catamaran .....	26
Windsurfing .....	69
Drain Plugs .....	27
Drums, Roller Furling .....	41
Dry Gloves .....	13
Dry Seals & Socks .....	7
Dry Suits .....	8
Dryshirt .....	10
Duffle Bags .....	65
DVDs .....	
Cat & Dinghy .....	43
Kiteboarding .....	78, 79
Windsurfing .....	60
Dyneema Line .....	15, 75

## E

Easy Rigg .....	69
Easy Uphaul .....	68
End Cap, Nacra Crossbar .....	48
Epoxy .....	16
Euro Pin, Streamlined .....	66
Extensions, Streamlined .....	66
Eyes, Marine .....	53
EZ Step Mast Raiser .....	54

## F

Fabric Guard .....	58
Faceguard for Helmet .....	3
Fairleads .....	28
Kit .....	73
Straps .....	28
For Cam-Matics .....	29
Fasteners .....	14, 31
Port .....	42
Fastex Buckles .....	46
Fiberglass .....	
Battens .....	38
Cleaners & Waxes .....	17
Stain Remover .....	17
Fiddle Blocks .....	25
Fins, Kiteboard .....	77
Fleece .....	9
Fogzero .....	3
Folding Anchor .....	18
Foot Pads, Kite .....	76
Footstrap .....	
Inserts .....	63
Kit, Catamaran .....	35
Kiteboard .....	76
Windsurfing .....	62
Forestays .....	50, 51
Forks, Marine .....	53
Freedom Harnesses, Cat .....	45

## G

Gath Headgear .....	2, 3
Gedi Sport Convertible .....	2
Gloves .....	13
Goggles .....	6

Gooseneck Parts .....	26
Grip Kit .....	35
Gul .....	
Boots .....	12
Dry Suits & Tops .....	8
Gloves .....	13
Harnesses, Cat & Dinghy .....	47
Knee Pads .....	12
Wetsuits .....	10, 11

## H

Halyard .....	
Grip Kit .....	30
Hook .....	53
Rings .....	30
Shackles .....	30
Wire .....	52
Hammerhead Spreaders .....	71
Hand .....	
Riveter .....	14
Swager .....	53
Winch .....	54
Handles .....	
Kite .....	76
Trapeze .....	48
Harken .....	
Air Blocks .....	25
Blocks .....	25
Bullet Blocks .....	25
Cam-Matic Cleats .....	29
Carbo Air Blocks .....	73
Mainsheet Blocks .....	20, 21
Pivoting Blocks .....	29
Harness .....	
Fitting Tips, Cat .....	44
Lines, Kite .....	72
Lines, Windsurfing .....	62
Selection Tips, Cat .....	45
Harnesses .....	
Kite Boarding .....	70, 71
Murrays Cat .....	44, 45
Windsurfing .....	60, 61
Hawaiian Righting System .....	37
Heel Straps .....	77
Helmets .....	2, 3
Hex Nuts .....	14
Hexaratchet Blocks .....	23, 24
Hiking Sticks .....	35
Hiking Strap .....	
Covers .....	35
Webbing .....	34
Hog Rings .....	14
Hollow Braid .....	15
Hooks .....	
Knife .....	71, 75
Carabiner .....	30
Main Halyard .....	53
Plastic Carbine .....	30
Roller .....	69
Stainless .....	53
Hoop, Snuffer .....	41
Hull .....	
Maintenance .....	17
Cradles .....	55
Hydraulic Swaged .....	
Shrouds .....	50, 51
Hydrofoils, Anti-Pitchpole .....	36
Hydro-Turf .....	35, 63

## I

Impact Vests .....	77
Inserts, Channel .....	14, 69

Instructional Books, Cat .....	43
Instructional Videos, Cat .....	43
Instruments .....	4

## J

Jib Halyards .....	23, 52
Block .....	25
Rope .....	30
Jib Track .....	23
Jib Traveler .....	
Cars .....	23
Controls .....	22
Jibs .....	40
Joint, Universal .....	68

## K

Key-Ball Connectors .....	46
Key-Hole Systems .....	46, 48
Kisme .....	
Kleets .....	32
OK .....	23
Kite .....	
Block, Ronstan .....	73
Equipment Bags .....	78
Line Rake .....	75
Lines .....	75
Repair Tape .....	74
Trim Cleat .....	73
Trainer .....	74
Knee Pads .....	12
Knife, Hook .....	70, 75
Knotless Ball .....	73

## L

Lacing Kits, Trampoline .....	34
Ladder Rax Storage .....	65
Leading Edge Bladders .....	74
Leashes, Kite .....	77
Leech .....	
Caps .....	39
Line Cleat .....	39
Life Vests .....	18
Lights, Navigation .....	18
Line .....	15
Catcher .....	35
Kite .....	75
Liquid Rope Whipping .....	15, 39
Long John .....	10, 11
Loop Slides & Stops .....	23
Lubricant, Sailkote .....	17
Luff Caps .....	39

## M

Main Sails .....	40
Main Travelers .....	22
Mainsheet Blocks .....	20, 21
Maintenance .....	16
Hull & Sail .....	17
Marine Eyes & Forks .....	53
Marine-Tex .....	16
Marstron Plait Line .....	15
Mast Bags .....	
Catamaran .....	59
Windsurfing .....	64
Mast .....	
Base Assembly .....	27
Chips .....	27
Cleat Kits .....	29
Extensions .....	66
Floats .....	36
Pads, Da Kine .....	63
Protector .....	68



Mast (cont.)	Power (cont.)	Rope (cont.)	Spinlock	Tensioners, Batten	Videos, Kite Action
Rotation Control Arms... 27	Clip Spreader Bar Pad .... 71	Cutting Tool..... 15	Cam Cleat Mainsheet 21, 29	Thimbles..... 53	Videos, Kite Instructional..... 78
Step Parts..... 27	Prescription Goggles..... 6	End Stops..... 30	Cam Cleats PX..... 29	Tide Clock..... 4	Videos, Windsurfing..... 60
Steppers..... 54	Prindie	Lock..... 48	Pivoting Block..... 29	Tie-Downs	Vinyl Cleaner..... 34
Supports..... 54	Rudder Parts..... 33	Splicing Kit..... 15	Spinnaker Poles..... 41	Cat..... 55	Vinyl Cleaner/Restorer..... 17
Tang..... 41	Traveler..... 22	Rudders..... 33	Splicing Kit..... 15	Garb..... 65	Visors for Gath..... 3
Windsurfing..... 67	Pro Harness, Gul..... 47	Alignment, Hobie..... 32	Split Rings..... 31	Tiger Trax..... 57	
Matrix Vest, Da Kine..... 77	Pro Nappy Harness, Gul..... 47	Alignment, Nacra..... 33	Spooled Rope..... 15	Tillers..... 35	<b>W</b>
Maxi Rigg..... 16	Progrig..... 68	Cam Kits, Hobie..... 32	Sport Goggles..... 6	Connection, Hobie..... 32	Wai Wai Base Pad..... 63
McLube SailKote..... 17	Protectant, 303..... 7, 17	Components..... 32, 33	Sport Lockers..... 56	Tie Bar Upgrade, Nacra.. 33	Waist Harnesses, Kite..... 70
Micro Blocks..... 25	Pumps..... 74	Conversion Kit, H-18..... 32	Spray Suits..... 9	Toggle	Washers..... 14
MiraZyme..... 7	<b>Q</b>	Covers..... 59	Spreader	Pins..... 30, 31	Watches..... 4
Motor Bracket, Cheata..... 54	Q-Powerlines..... 75	Gudgeons..... 32	Bar Pads..... 71	Strap..... 55, 65	Water Blocker Socks..... 12
Murrays Harnesses, Cat. 44, 45	Quick	Kits, Nacra & Prindie..... 33	Covers..... 39	Tools	Waterproof Cases..... 4, 5
Mylar Sail Repair Tape..... 17	Release Hook, Cat..... 46	Pins..... 32	Spreaders	All-Purpose..... 26, 30	Wax, Hull..... 17
<b>N</b>	Release Pins..... 31, 35	Return Kits, Hobie..... 32	Catamaran/Dinghy..... 46	Aluminum Rigging..... 16	Webbing, Hiking Strap..... 34
Nacra Crossbar End Cap..... 48	Release Shackles..... 21, 30	Stiffening Kit..... 32, 33	Kite Boarding..... 71	Cat Key Shackle..... 26, 30	West System Repair Packs.. 16
Nappy Harness, Murrays..... 45	Lock, Streamlined..... 66	Tite Bushings..... 32	Windsurfing..... 61	Downhaul..... 69	Wetsuits..... 10, 11
Navigation Light Set..... 18	Quiver Bags..... 64	Tite Kit..... 32	Spring Clip..... 31	Care..... 16, 69	Kids'..... 10
Neoprene	<b>R</b>	Rules Card..... 19	Springs for Blocks..... 23	Hand Swager..... 53	Shampoo..... 7
Cap..... 12	Race Harnesses, Cat..... 44	<b>S</b>	Sta/Master Turnbuckle..... 53	Maxi Rigg..... 16	Wheels, Beach..... 57
Gloves..... 13	Racing	Safety..... 18	Stain Remover..... 17	Multi-Tool by Ronstan... 16	Whistle..... 18
Repair..... 7	Mark..... 19	Pin..... 31	Stainless Fasteners..... 14	Rope Cutting Gun..... 15	Win Tails..... 17, 19
Nicropress Ovals..... 53	Videos, Cat..... 43	Whistle..... 18	Standing Rigging..... 50, 51	Shackle..... 26, 30	Winch, Hand..... 54
Nitrous Shorts, Da Kine.. 61, 70	Rack Pads, Da Kine..... 65	Sail	Steamer Wetsuits..... 11	Torque Driver..... 16	Wind
NoLimitz Masts..... 67	Rake, Kite Line..... 75	& Boom Bags..... 59	Steppers, Mast..... 54	Uptight Tramp..... 34	Indicators..... 4, 19
Non-Skid Tape..... 35	Rash Guards..... 10	Accessories..... 39	Sticker	Torque Driver..... 16	Tops..... 8
NSI	Ratchet Blocks..... 24	Cleaner..... 17	Signal..... 19	Tracker Cars..... 22	Windex Vane..... 19
Deceiver Bag..... 77	RDM Extensions..... 66	Feeder..... 39	Course..... 19	Tracker Traveler Kit..... 22	Windmeters..... 4
Footstrap, Kite..... 76	Re-Dek Traction System 35, 63	Hank, Jib..... 39	Streamlined Window... 67	Traction	Window Sticker,
Numbers, Sail..... 17	Reel Leash..... 77	Numbers..... 17	Stohlquist Life Vests..... 18	Catamaran..... 35	Streamlined..... 67
Nuts..... 14	Regatta..... 19	Repair Tape..... 17	Stop Sleeves..... 53	Windsurfing..... 63	Windsurfing
<b>O</b>	Repair	SailKote by McLube..... 17	Storage	Trailer Boxes..... 56	Books..... 60
Odor Eliminator..... 7	Kits, Tear-Aid..... 74	Sails, Catamaran/Dinghy... 40	LadderRax..... 65	Trainer Kites..... 74	Harnesses..... 60, 61
OK, Kisme..... 23	Tape, Kite/Sail..... 74	Screw-In Ports..... 42	Locker..... 56	Tramp	Videos..... 60
O-Rings, Port..... 42	Retainers..... 31	Screws..... 14	On-Tramp..... 58	Clamp..... 34	Wire..... 53
Outhaul	Rig Tension Gauges..... 53	Sealant..... 16	Strap Control..... 63	Pack..... 58	Jib Halyards..... 52
Cleats, Catamaran..... 29	Rigging	Seals for Dry Suits..... 7	Streamlined	Tool, Uptight..... 34	Main Halyards..... 52
Pulley..... 68	Accessories & Hardware 53	Seat Harnesses, Kite..... 71	Booms..... 67	Trampolines..... 34	Trapeze..... 52
Adjustable, Windsurf..... 68	Pouch..... 58	Shackles..... 30, 31	Universals..... 66	Accessories..... 34, 35	
Owners' Manuals..... 43	Tape..... 53	Halyard..... 30	Stretch Righting System... 37	Trapeze	
Oxen	Tools..... 16, 69	Quick Release..... 21, 30, 73	Strut Bladders..... 74	Accessories..... 48	Yacht Braid..... 15
Blocks..... 24	Righting..... 36, 37	Tools..... 26, 30	Sunfish Sails..... 40	Adjustment Kits..... 49	Yoke Assembly..... 35
<b>P</b>	Ring	Trigger Snap..... 73	Super Goose..... 26	Assemblies..... 52	Zipper Care..... 7
Paddle..... 18	Stainless..... 53, 73	Sheaves..... 28	Supports, Mast..... 54	Handles..... 48	Zippered Pouches..... 58
Pads	Split..... 31	Sheeting, Kite	Surefire Spreader Bar..... 71	Harnesses..... 44, 45, 47	
Foot..... 76	Stainless & Nylon..... 53	Accessories..... 73	Surefoot EVA Grip Kit..... 35	Rings..... 48	
Mast..... 63	Trapeze..... 48	Straps & Systems..... 72	Surf Convertible Helmets... 2, 3	Shock Cords..... 49	
Spreader Bar..... 71	Rivets	Shock Cord..... 15	Suunto Compass..... 4	Wires..... 52	
Parts Lists, Cat..... 43	& Casings..... 14	Lacing Kit, Trampoline... 34	Swage-It Kit & Tool..... 53	Travel Bags, Da Kine..... 65	
Personal Flotation Devices... 18	Tool..... 14	Pliers..... 14	Swager, Hand..... 53	Traveler Cars..... 22	
Pin, Shroud..... 53	Windsurfing..... 68	Trapeze..... 49	Swim Goggles..... 7	Travelers, Main..... 22	
Pins	Robline..... 15	Shorty Wetsuits..... 10, 11	Swivel	Tren Tec Batten Caps..... 39	
& Rings Kits..... 27	Roller	Shrouds..... 50, 51	Cleats & Bases..... 28	Triple Block, Streamlined.... 66	
Ball-Lok..... 31	Fairleads..... 28	Adjusters & Covers..... 53	For Harken Blocks..... 21	Turnbuckles..... 53	
Clevis..... 31	Furling Jib Hardware..... 41	Anchor Components..... 53	Roller Furling..... 41	Twist Control System..... 63	
Cotter..... 31	Furling Jibs..... 40	Tensioner/De-Tensioner 53	Ronstan Eye & Eye... 41, 73	Twist-On System	
Rudder..... 32	Hooks..... 69	Side Stays..... 50, 51	With Roller Fairlead..... 23	Streamlined..... 66	
Safety..... 31	Spreader Bars, Windsurf 61	Signal Sticker..... 19	<b>T</b>	<b>U</b>	
Toggle..... 31	Ronstan	Silicone Pump..... 7	303 Protectant..... 17	Ultimate Harness, Gul..... 47	
Pivmatic Kick-Up, Nacra... 33	Back-to-Back Blocks..... 48	Sister Clips..... 30	3M Hull & Sail Products... 17	Undersuits..... 9	
Pivoting Blocks..... 29	Ronstan (cont.)	Skeg Saver..... 69	Tack/Clew Kits..... 39	Universal Righting System.. 37	
Plastic Cleaner..... 3, 17	Boots..... 12	Slippers..... 12	Tape	Universals..... 68	
Plexus Plastic Cleaner..... 3, 17	Cam Cleats..... 29	Slug, Tramp..... 34	Rigging..... 53	Universals, Streamlined..... 66	
Pocket Protector..... 39	Clearstart Watch..... 4	Smocks..... 8	Sail Repair..... 17, 74	Uphauls..... 68	
Ports..... 42	Cleats..... 29	Snap Shackles..... 30, 31, 73	Tear-Aid Kite Repair Kits 17, 74	Uptight Tramp Tool..... 34	
Pouches..... 58	Eye & Eye Swivel..... 41, 73	Snap, Fast Eye..... 73	Telescopic Paddle..... 18		
Power	Gloves..... 13	Snorkel Jib Covers..... 59	Tell-Tales..... 17, 19	<b>V</b>	
Grip..... 69	Micro Blocks..... 25	Snuffer System, Mid-Pole... 41	Telo-Cat Bridle Vane..... 19	Vanes, Wind..... 19	
Pole Righting System..... 37	Rope..... 15	Snuffler..... 41	Tendon Joint..... 66	V-Cleats..... 29	
	Cleats..... 29	Socks, Snuffer..... 41	Tension Gauges..... 53	Videos, Cat & Dinghy..... 43	
		Spares & Repair Kits..... 27	Tensioner/De-Tensioner... 53		
		Spectra-Lite..... 15			





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