Boating Made Easier, Faster & More Fun
VISIT OUR WEBSITE
www.forespar.com

We at Forespar are very proud of our website and we're working hard to make it better all the time. Our goal is to make forespar.com an excellent boating information resource for all your boating needs.

- Product Info and Specs
- How to Use
- How to Maintain

Have a look at the Knowledge section of our site and check the Gold Information Tabs below the product info on our site pages. All of the information you need is in one convenient place. We believe the more you know about your equipment and systems, the more you'll enjoy your boating experience.

Made by boaters for boaters. Designed to help make your boating easier, safer, faster and a lot more fun.

Learn More
forespar.com

For Direct Product Page Access
Look For These Icons Throughout The Catalog

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WINCH, MARELON®

Our award-winning PureWater+ filter system, which allows you to change a filter in seconds, has been Forespar’s pride since we introduced our first product over 50 years ago. This goal has remained the same as we have continued to introduce innovative hardware, maintenance, and safety products that are now known throughout the boating world for their high quality, durability, and seaworthiness.

We are proud to introduce several new products in this catalog. These include:

- New models of our in-valuable popular Leisurefurl in-boom furling system, including new electric designs, that allow you to control your mainsail with the push of a button. Leisurefurl has experienced significant growth among boaters looking for an easier and safer way to hoist, reef, and control their main, especially within the last several years.
- Our award-winning PureWater+ filter system, which allows you to change the filter in less than 2.5 seconds. This amazing compact system does not require under-counter access, making it a no-hassle way for you to save money and to stop having bottled water on your boat.
- Our new Velocity® Series of affordable, telescoping carbon fiber whisker poles. With a simple pull of a line, these lightweight poles can easily and rapidly be deployed, adjusted to the necessary length, and retracted as needed, minimizing downwind sail efficiency for both racers and cruisers.

Our PerformanceCares line of boat care products, including new MX-rated options in our popular Tea Tree Power products, which outperform other mild and odor control products due to their higher concentration of tea tree oil. We have also added the incredible EcoSan® waste systems on our product line. And the strongest synthetic lubricant on the market continues to be Kleverbrite TE45.

You’ll find up-to-date information to help you select and use the right equipment for your boat at www.forespar.com. Be sure to check out our Marelube products, which are the #1 choice of boat builders over traditional Beaver fittings. Made from an improved nitrile rubber composite, Marelube’s material strength makes it brown, but it is lighter and will never, ever corrosive! These advanced designs have also been updated to offer an electronically controlled ROM option that can be controlled from the electric panel yet manually overridden if needed.

On behalf of our entire Forespar family we would like to express gratitude to our customers. Our goal is helping you innovate and durable products that will make your time on the water more enjoyable. Forespar’s products are proudly made right here in the USA by our highly experienced and dedicated manufacturer teams, and our customer service team stands ready to assist with any need.

Sincerely,
Scott Foreman
CEO

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WINCH, MARELON®
**Downwind Sailing Made Easy**

**Downwind Poles Control Your Sails In Several Ways**

No matter which sail you are using for your downwind sailing, a Forespar Downwind Pole will help you sail smoother, deeper and faster than using your sail without a pole. There are several important advantages including:

- **Stabilizes Sail Bounce** - Downwind poles help stabilize the sail by limiting the up and down movement which also reduces that annoying sail flop when it’s light and lumpy.
- **Holds Sail Out for Deep Angle Sailing** - Downwind poles help hold the sail outboard allowing you to sail at a much deeper angle so you get to your downwind destination faster.
- **Helps You Trim and Steer More Effectively** - Because the sail is not oscillating back and forth, it allows you to maximize your trim and steer a more consistent downwind course.

**Forespar® Is The #1 Manufacturer Of Downwind Sailing Poles**

Forespar is the World’s #1 manufacturer of whisker poles, spinnaker poles and associated gear. No matter if you sail a small daysailer or a large offshore race boat, we offer a wide array of downwind pole options and configurations to match your boat’s specific needs.

**A Few Examples Of Our Many Downwind Pole Variations**

- **Twist-Lock™ Whisker Pole**
- **Carbon Velocity Line-Control™ Whisker Pole**
- **Full-Carbon Spinnaker Pole**

- **Spinnaker or Whisker Pole, Carbon or Aluminum, Adjustable Length or Fixed, We Have The Right Pole For Your Boat.**

**Please Call Us With Any Questions. We’re Here To Help!**

---

**Two Basic Types Of Downwind Poles**

**Whisker Poles®**

*Control Your Jib, Genoa or Asymmetrical Sail When Sailing Deep Downwind*

If you need to get downwind and have a conventional non-planing hull, a jib with a whisker pole is the fastest and easiest way to get to your destination. Just point her deep downwind, hook up the pole and take a comfortable sail directly towards your goal.

- **Provides Stable Sailing On Deep Downwind Angles**
- **Works Well For Long Distance Downwind Sailing**
- **Adjustable Lengths For Use With Different Types Of Sails**

**Whisker Pole Type & Size Recommendations**

We manufacture three different types of whisker poles including: the Twist Lock for smaller boats, the Patented Line Control, and the budget-minded Tri-Reacher. The table below is meant as a general guidelines for selecting the proper size & type of whisker pole. These are based on boat length, sail choice and wind conditions, but heavier displacement or bowsprit type boats should consider using the next larger size pole.

For a more detailed list of boat type and recommended pole sizing go to www.forespar.com or call for advice.

**Working Jib**

<table>
<thead>
<tr>
<th>Boat Length</th>
<th>Light to Mod. Air</th>
<th>Mod. to Heavy Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 28 ft</td>
<td>Twist Lock 4'-12'</td>
<td>Twist Lock 6'-12'</td>
</tr>
<tr>
<td>28 ft to 46 ft</td>
<td>Line Control 10'-24'</td>
<td>Line Control 10'-24'</td>
</tr>
<tr>
<td>Up to 50 ft</td>
<td>Line Control 15'-27'</td>
<td>Line Control 15'-27'</td>
</tr>
<tr>
<td>50 ft and Over</td>
<td>Custom Carbon Line Control - Please contact Forespar® for advise on ordering a pole of this size</td>
<td></td>
</tr>
</tbody>
</table>

**Genoa**

<table>
<thead>
<tr>
<th>Boat Length</th>
<th>Light to Mod. Air</th>
<th>Mod. to Heavy Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 28 ft</td>
<td>Twist Lock 4'-12'</td>
<td>Twist Lock 6'-12'</td>
</tr>
<tr>
<td>28 ft to 46 ft</td>
<td>Line Control 10'-24'</td>
<td>Line Control 10'-24'</td>
</tr>
<tr>
<td>Up to 50 ft</td>
<td>Line Control 15'-27'</td>
<td>Line Control 15'-27'</td>
</tr>
<tr>
<td>50 ft and Over</td>
<td>Custom Carbon Line Control - Please contact Forespar® for advise on ordering a pole of this size</td>
<td></td>
</tr>
</tbody>
</table>

**Determining Pole Length**

Spinnaker pole length is determined by the yacht’s "J" measurement. This is the straight line distance from the front of the mast at deck level to the headstay. "J" measurement are often available from your sailplan, or contact Forespar® and we will assist you in determining the length.

**Custom Poles**

Our "customized" poles are built to specific dimensions. We can assemble your pole to spec, or end fittings and tubing are available separately for those who wish to assemble poles to their own specifications.
Line Control™ Whisker Poles

Our most popular Whisker Pole, the Line Control™ is a telescoping adjustable length whisker pole design only available from Forespar®. This simple system allows you to quickly and easily extend or retract the pole with the pull of a line. All length adjustments are made from the mast end of the pole by simply un-cleating the control line, extending or retracting the pole to the proper length, and then re-cleating the line. This eliminates the need to go forward to manually adjust the length, which makes pole deployment much safer.

- Perfect Choice For Boats 28 ft and Up
- Line Controlled Length Adjustments From Mast End
- Customizable Mast Connections and Ends
- Fitted With Polymer Non-marring Pole Ends
- Fully Retractable For Compact Onboard Storage
- Topping Lift Attachment Points Included

Adjusting Line Control Poles Is As Easy As 1 - 2 - 3

Never Attempt To Adjust While Under Load!

1 Un-Cleat The Line
2 Pull Line To Extend The Pole
3 Re-Cleat The Line.

Line Control Model Sizing Recommendations

See Table On Following Page For Corresponding Line Control Pole Models*

<table>
<thead>
<tr>
<th>Boat Length</th>
<th>Light to Mod. Air</th>
<th>Mod. to Heavy Air</th>
<th>Genoa</th>
<th>Light to Mod. Air</th>
<th>Mod. to Heavy Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 33 ft</td>
<td>LC 10-18</td>
<td>LC 10’-18”</td>
<td>LC 10’-18”</td>
<td>LC 12’-22”</td>
<td>LC 15’-27”</td>
</tr>
<tr>
<td>Up to 35 ft</td>
<td>LC 12’-22”</td>
<td>LC 12’-22”</td>
<td>LC 12’-22”</td>
<td>LC 13’-24”</td>
<td>LC 15’-27”</td>
</tr>
<tr>
<td>Up to 46 ft</td>
<td>LC 13’-24”</td>
<td>LC 13’-24”</td>
<td>LC 13’-24”</td>
<td>LC 15’-27”</td>
<td>LC 15’-27”</td>
</tr>
<tr>
<td>Up to 50 ft</td>
<td>LC 15’-27”</td>
<td>LC 15’-27”</td>
<td>LC 15’-27”</td>
<td>LC 15’-27”</td>
<td>LC 15’-27”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part #</th>
<th>LC Model #</th>
<th>End Fittings</th>
<th>Outboard</th>
<th>Recommended Mast Fittings</th>
<th>Collapsed Length / Weight</th>
<th>Max. Working Length</th>
<th>Tubing Diameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>401106</td>
<td>LC 10-18 EL-UXP</td>
<td>EL-UXP</td>
<td>PE-35C, RC-125, FC-125</td>
<td>121.75’/17 lbs.</td>
<td>218.13’</td>
<td>2” &amp; 2-1/2”</td>
<td></td>
</tr>
<tr>
<td>401107</td>
<td>LC 10-18 EL-UTR</td>
<td>EL-UTR</td>
<td>PE-35C, RC-125, FC-125</td>
<td>121.75’/17 lbs.</td>
<td>218.13’</td>
<td>2” &amp; 2-1/2”</td>
<td></td>
</tr>
<tr>
<td>402200</td>
<td>LC 12-22 UXP-UTR</td>
<td>UXP-UTR</td>
<td>RC-125, FC-125</td>
<td>148.50’/27 lbs.</td>
<td>265.25’</td>
<td>2” &amp; 2-1/2”</td>
<td></td>
</tr>
<tr>
<td>402201</td>
<td>LC 12-22 UTS-UTR</td>
<td>UTS-UTR</td>
<td>T-125-S</td>
<td>148.50/28 lbs.</td>
<td>265.25’</td>
<td>2” &amp; 2-1/2”</td>
<td></td>
</tr>
<tr>
<td>502202</td>
<td>LC 12-22 UTS-UTR-CF</td>
<td>UTS-UTR-CF</td>
<td>T-125-S</td>
<td>148.50/28 lbs.</td>
<td>265.25’</td>
<td>2” &amp; 2-1/2”</td>
<td></td>
</tr>
<tr>
<td>403200</td>
<td>LC 13-24 UXP-UXT</td>
<td>UXP-UXT</td>
<td>RC-125, FC-125</td>
<td>162.00’/38 lbs.</td>
<td>272.00’</td>
<td>3” &amp; 3-1/2”</td>
<td></td>
</tr>
<tr>
<td>403202</td>
<td>LC 13-24 UTS-UTR</td>
<td>UTS-UTR</td>
<td>T-125-S</td>
<td>162.00/39 lbs.</td>
<td>272.00’</td>
<td>3” &amp; 3-1/2”</td>
<td></td>
</tr>
<tr>
<td>800800</td>
<td>LC 13-24 UTS-UTR-CF</td>
<td>UTS-UTR-CF</td>
<td>T-125-S</td>
<td>162.00/39 lbs.</td>
<td>272.00’</td>
<td>3” &amp; 3-1/2”</td>
<td></td>
</tr>
<tr>
<td>405200</td>
<td>LC 15-27 UTS-UTR</td>
<td>UTS-UTR</td>
<td>T-125-S</td>
<td>182.00/58 lbs.</td>
<td>324.00’</td>
<td>3-1/2” &amp; 4”</td>
<td></td>
</tr>
<tr>
<td>405201</td>
<td>LC 15-27 UTS-UTR-CF</td>
<td>UTS-UTR-CF</td>
<td>T-125-S</td>
<td>182.00/58 lbs.</td>
<td>324.00’</td>
<td>3-1/2” &amp; 4”</td>
<td></td>
</tr>
<tr>
<td>800801</td>
<td>LC 15-27 UTS-UTR-CF</td>
<td>UTS-UTR-CF</td>
<td>T-125-S</td>
<td>182.00/58 lbs.</td>
<td>324.00’</td>
<td>3-1/2” &amp; 4”</td>
<td></td>
</tr>
<tr>
<td>405203</td>
<td>LC 15-27 COMBO</td>
<td>UTS-UTR</td>
<td>T-125-S</td>
<td>182.00/58 lbs.</td>
<td>324.00’</td>
<td>3-1/2” &amp; 4”</td>
<td></td>
</tr>
<tr>
<td>800801</td>
<td>LC 15-27 COMBO</td>
<td>UTS-UTR</td>
<td>T-125-S</td>
<td>182.00/58 lbs.</td>
<td>324.00’</td>
<td>3-1/2” &amp; 4”</td>
<td></td>
</tr>
</tbody>
</table>

* When selecting accessories be sure to match the accessory size to the corresponding pole size.

Learn More

forespar.com/spinnakerpoles

Learn More

forespar.com/trireacher

Line Control Pole Configurations

Models, Specs & Recommended Mast Fittings

See Pages 12 to 13 for Corresponding Pole End Fittings & Accessory Details*

For Listed Models Below

(Not Sold Separately)

See Pg 10 for Additional End Fitting Styles

Aluminum

- Perfect Choice For Durable Cruising
- Reasonably Lightweight
- Withstands Harsh Marine Environment

Full Carbon

- Ultimate Performance
- Extremely lightweight
- White Finish for UV Protection

50/50 Combo

- Good Balance of Weight and Durability
- Lightweight Carbon & Aluminum Combo
- Excellent Value to Weight

TECH TIPS

FOR AN ONLINE WHISKER POLE SELECTION GUIDE GOTO:
www.forespar.com/whisker2011.shtml#B_LIST
Twist Lock Poles
For Boats 28ft & Under

Telescoping whisker poles models that can be adjusted to the desired length by simply twisting the inner and outer tubes in opposite directions. Twisted, the pole will securely hold its length until it is twisted in the opposite direction. All Twist Lock poles include non-marring, high strength polymer Ultra Series™ pole ends.

Small Boat Twist Lock Poles
Weighing only 3 pounds, these compact telescoping Twist Lock poles are perfect for daysailors, dinghies and small one-design race boats. All Small Boat poles include strong corrosion-free Lexan end fittings and a Mast Pad Eye with stainless steel screws.

- **Perfect Choice For Boats Under 28 ft**
- **Length Adjusts With A Simple Twist**
- **Includes Non-Marring Ends and Mast Pad Eye**

Small Boat Twist Lock Poles

<table>
<thead>
<tr>
<th>Part #</th>
<th>Model #</th>
<th>Size/Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>40400</td>
<td>ADJ 4-8</td>
<td>Spike fitting on one end - Telescopes from 53” to 93” - 1” outer diameter</td>
</tr>
<tr>
<td>40410</td>
<td>ADJ DL 4-8</td>
<td>Double Latch (DL) fittings on both ends - Telescopes from 53” to 93” - 1” outer diameter</td>
</tr>
<tr>
<td>40600</td>
<td>ADJ 6-12</td>
<td>Spike fitting one end - Telescopes from 72” to 134” - 1-1/4” outer diameter</td>
</tr>
<tr>
<td>40610</td>
<td>ADJ DL 6-12</td>
<td>Double Latch (DL) fittings on both ends - Telescopes from 72” to 134” - 1-1/4” outer diameter</td>
</tr>
<tr>
<td>40401</td>
<td>PE-1</td>
<td>Pad Eye Only</td>
</tr>
</tbody>
</table>

Small Twist Lock End Repair Kit

<table>
<thead>
<tr>
<th>Part #</th>
<th>Model #</th>
<th>Size/Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>300026</td>
<td>ADJ 4-8</td>
<td>Replacement End Kit</td>
</tr>
<tr>
<td>300027</td>
<td>ADJ 6-12</td>
<td>Replacement End Kit</td>
</tr>
</tbody>
</table>

Heavy Duty Telescoping Twist Lock Poles
These telescoping whisker poles are heavy duty two or three section aluminum spars which can be extended to lengths up to 15’ and securely locked in position by an internal twist lock device. These poles feature self-latching Ultra Series™ fittings on the inboard and outboard ends. Mast Pad Eyes (PE-3SF or PE-3SC - up to 15’ and securely locked in position by an internal twist lock device. These poles feature self-latching Ultra Series™ pole ends.

- **Inbrd/Otbrd End**
- **ADJ DL “Double Latch” Style** ADJ DL models have secure latch fittings on both ends
- **ADJ “Spike End” Style** ADJ models have “Spike” fitting on one end for inserting into sail clew

ADJ DL - #404100 Shown
ADJ - #404000 Shown

Part # Model # Description
406300 HD 6-12-DL Two sections extending from 79” to 138”, 1-7/8” outer tube diameter. With self-latching fittings on both ends & 8 lbs.
407101 ADJ 7-15-DL Three sections extending from 83” to 169”, 2 in. outer tube diameter. With self-latching fittings on both ends & 8 lbs.

Use Small Boat Mast Connection #400001 or #400002 - See Page 12

NEW

The Light Air Solution For Boats Up To 42 Feet In Maximum Length

- **Two-Piece Full Carbon Fiber Construction**
- **Mast End Line Controlled Length Adjustment**
- **Extremely Lightweight for Easy Deployment & Storage**
- **Standard Matte Finish**
- **Boat Length Not to Exceed 42’ L.O.A.**

### Velocity Light Air Carbon Whisker Pole

Our new Velocity™ Series offers an affordable two-piece telescoping carbon fiber whisker poles that quickly adjusts to the necessary length using a 2:1 line control type system. Extremely lightweight, Velocity poles can be quickly deployed, adjusted and retracted as needed with a simple pull of a line to match the clew position of almost any jib, genoa or asymmetrical sail.

All Velocity™ poles feature non-marring Ultra Series™ UXP composite polymer pole ends that can be attached to the mast using a mast car or fixed mast mount. Each pole comes standard with a matte textured EZ Grip finish.

### Tri-Reach Pole

For use on boats 31 to 40 feet in length, the Tri-Reach Whisker Pole was created to offer an affordable way to enjoy the performance benefits of an adjustable length whisker pole. This design uses large, easy to handle D-ring retention set pins for adjustment. Simply pull and twist the pin to hold it out, adjust the sections to the desired length and then reset the pin into the closest hole. Includes Ultra Series™ non-marring polymer pole ends.

- **Stows at 8’ 8” - Extends to 20’ 8”**
- **Secure Set-Pin Adjustment Points**
- **Weights just 19 pounds**
- **All Aluminum with Polymer Ultra Ends**

### Twist-Lock Repair Kits

To recondition any of our twist-lock telescoping poles, we offer lock repair kits. Complete instructions and all necessary parts are provided.

### Tech Tips

FOR AN ONLINE WHISKER POLE SELECTION GUIDE GOTO:
www.forespar.com/whisker2011.shtml#B_LIST
Spinnaker Poles

Carbon or Aluminum Spinnaker Poles

Forespar® is the world’s leading manufacturer of spinnaker poles. We offer a complete and diverse line of poles in either carbon fiber or aluminum construction. Combined with our extensive line of pole end connections, we are able to create a multitude of combinations to fit the specific need of racing and cruising sailors alike.

- End-to-End or Dip Jibe Configurations
- Carbon - Aluminum
- Customizable End Fitting and Mast Connection Options

Determining Pole Length

The length of your spinnaker pole is determined by the yacht’s “J” measurement. This is the straight line distance from the front of the mast at deck level to the headstay. The “J” measurement is available from your sailplan, contact Forespar and we will be able to assist you in determining the proper length.

Retractable Bridle Option

Allows the sailor to smoothly complete a spinnaker jibe without detaching the pole from the mast. For custom spinnaker poles 3” in diameter or larger, featuring internal outboard-end trip lines and a retractable topping lift.

Small Boat Pole Kits

Each Mini 6/7” kit includes anodized aluminum tubing, nylon latching end fittings, nylon lanyard, mast pad eye and epoxy key. One end is loose so you can cut tubing to desired overall length and then fasten end fittings with epoxy. Less than 10 minutes to complete.

Offshore Spinnaker Poles

Our custom Offshore Series spinnaker poles provide the serious racer with rugged, reliable and efficient downwind equipment designed to withstand the rigors of extended offshore racing.

Please Call To Order: Due to the variety of personal preferences concerning bridle and topping lift rigging on offshore end type poles, no “standard” rigging is included on the poles above.

Carbon Fiber Spinnaker Poles

Three Carbon Fiber Pole Finishes

- Standard “EZ Grip” Has a Rough Textured Finish
- High Gloss UV Resistant Clear Coating
- Awlgrip™ Painted Pole for the Best UV and Impact Protection

Straight Non-Tapered Tubes

<table>
<thead>
<tr>
<th>Part #</th>
<th>O.D.</th>
<th>Total Weight</th>
<th>Fittings</th>
<th>Bridles</th>
<th>Length Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>800201</td>
<td>2.0”</td>
<td>4.2 lbs.</td>
<td>UXP-UXP</td>
<td>Double</td>
<td>12.0” EZ Grip</td>
</tr>
<tr>
<td>800101</td>
<td>2.5”</td>
<td>4.5 lbs.</td>
<td>UXP-UXP</td>
<td>Double</td>
<td>12.0” EZ Grip</td>
</tr>
<tr>
<td>800102</td>
<td>3.0”</td>
<td>5.0 lbs.</td>
<td>UTR-UXP</td>
<td>Double</td>
<td>12.0” EZ Grip</td>
</tr>
<tr>
<td>800201</td>
<td>2.0”</td>
<td>8.0 lbs.</td>
<td>UXP-UXP</td>
<td>Double</td>
<td>16.5” EZ Grip</td>
</tr>
<tr>
<td>800202</td>
<td>2.5”</td>
<td>8.6 lbs.</td>
<td>UTR-UXP</td>
<td>Double</td>
<td>16.5” EZ Grip</td>
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<tr>
<td>800203</td>
<td>3.0”</td>
<td>9.8 lbs.</td>
<td>UTR-UXP</td>
<td>Double</td>
<td>16.5” EZ Grip</td>
</tr>
<tr>
<td>800301</td>
<td>3.5”</td>
<td>11.5 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>18.5” EZ Grip</td>
</tr>
<tr>
<td>800302</td>
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<td>11.5 lbs.</td>
<td>UTR-UXP</td>
<td>Custom</td>
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</tr>
<tr>
<td>800303</td>
<td>3.5”</td>
<td>12.0 lbs.</td>
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<tr>
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<td>14.5 lbs.</td>
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<tr>
<td>800401</td>
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</tr>
<tr>
<td>800502</td>
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<td>26.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>22.5” EZ Grip</td>
</tr>
<tr>
<td>800601</td>
<td>5.0”</td>
<td>30.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
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</tr>
<tr>
<td>800602</td>
<td>5.0”</td>
<td>30.0 lbs.</td>
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<td>Custom</td>
<td>22.5” EZ Grip</td>
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Double Tapered Tubes

<table>
<thead>
<tr>
<th>Part #</th>
<th>O.D.</th>
<th>Total Weight</th>
<th>Fittings</th>
<th>Bridles</th>
<th>Length Finish</th>
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</thead>
<tbody>
<tr>
<td>800201</td>
<td>4.5”</td>
<td>3.3 lbs.</td>
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<td>Custom</td>
<td>22.5” EZ Grip</td>
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<tr>
<td>800202</td>
<td>4.5”</td>
<td>3.3 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>22.5” EZ Grip</td>
</tr>
<tr>
<td>800203</td>
<td>5.0”</td>
<td>5.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>22.5” EZ Grip</td>
</tr>
<tr>
<td>800301</td>
<td>5.0”</td>
<td>5.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>22.5” EZ Grip</td>
</tr>
<tr>
<td>800302</td>
<td>5.0”</td>
<td>5.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>22.5” EZ Grip</td>
</tr>
</tbody>
</table>

ON OUR WEBSITE:

FOR ONLINE SPINNAKER POLE ORDER FORM GO TO THE SUPPORT TAB www.forespar.com

Small Boat Pole Kits

Part # | Model | Weight | Length |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>303000</td>
<td>UTR-UTR</td>
<td>22 lbs.</td>
<td>12’</td>
</tr>
<tr>
<td>303001</td>
<td>UTR-UXP</td>
<td>22 lbs.</td>
<td>12’</td>
</tr>
<tr>
<td>303002</td>
<td>UTS-UTR</td>
<td>22 lbs.</td>
<td>12’</td>
</tr>
<tr>
<td>303003</td>
<td>UTS-UXP</td>
<td>22 lbs.</td>
<td>12’</td>
</tr>
</tbody>
</table>

Three Carbon Fiber Pole Finishes

- Standard “EZ Grip” Has a Rough Textured Finish
- High Gloss UV Resistant Clear Coating
- Awlgrip™ Painted Pole for the Best UV and Impact Protection

Small Boat Pole Kits

Part # | Model | Weight | Length |
<table>
<thead>
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<th></th>
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<tbody>
<tr>
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<td>12’</td>
</tr>
<tr>
<td>303001</td>
<td>UTR-UXP</td>
<td>22 lbs.</td>
<td>12’</td>
</tr>
<tr>
<td>303002</td>
<td>UTS-UTR</td>
<td>22 lbs.</td>
<td>12’</td>
</tr>
<tr>
<td>303003</td>
<td>UTS-UXP</td>
<td>22 lbs.</td>
<td>12’</td>
</tr>
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</table>

Three Carbon Fiber Pole Finishes

- Standard “EZ Grip” Has a Rough Textured Finish
- High Gloss UV Resistant Clear Coating
- Awlgrip™ Painted Pole for the Best UV and Impact Protection

Straight Non-Tapered Tubes

<table>
<thead>
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<th>Part #</th>
<th>O.D.</th>
<th>Total Weight</th>
<th>Fittings</th>
<th>Bridles</th>
<th>Length Finish</th>
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<tr>
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<tr>
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<td>4.5 lbs.</td>
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<td>12.0” EZ Grip</td>
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<tr>
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<td>5.0 lbs.</td>
<td>UTR-UXP</td>
<td>Double</td>
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</tr>
<tr>
<td>800201</td>
<td>2.0”</td>
<td>8.0 lbs.</td>
<td>UXP-UXP</td>
<td>Double</td>
<td>16.5” EZ Grip</td>
</tr>
<tr>
<td>800202</td>
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<td>8.6 lbs.</td>
<td>UTR-UXP</td>
<td>Double</td>
<td>16.5” EZ Grip</td>
</tr>
<tr>
<td>800203</td>
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<td>9.8 lbs.</td>
<td>UTR-UXP</td>
<td>Double</td>
<td>16.5” EZ Grip</td>
</tr>
<tr>
<td>800301</td>
<td>3.5”</td>
<td>11.5 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>18.5” EZ Grip</td>
</tr>
<tr>
<td>800302</td>
<td>3.5”</td>
<td>11.5 lbs.</td>
<td>UTR-UXP</td>
<td>Custom</td>
<td>18.5” EZ Grip</td>
</tr>
<tr>
<td>800303</td>
<td>3.5”</td>
<td>12.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>18.5” EZ Grip</td>
</tr>
<tr>
<td>800304</td>
<td>3.5”</td>
<td>14.5 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>18.5” EZ Grip</td>
</tr>
<tr>
<td>800401</td>
<td>4.0”</td>
<td>20.5 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>18.5” EZ Grip</td>
</tr>
<tr>
<td>800402</td>
<td>4.0”</td>
<td>21.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>18.5” EZ Grip</td>
</tr>
<tr>
<td>800501</td>
<td>4.5”</td>
<td>25.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>22.5” EZ Grip</td>
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<tr>
<td>800502</td>
<td>4.5”</td>
<td>26.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>22.5” EZ Grip</td>
</tr>
<tr>
<td>800601</td>
<td>5.0”</td>
<td>30.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>22.5” EZ Grip</td>
</tr>
<tr>
<td>800602</td>
<td>5.0”</td>
<td>30.0 lbs.</td>
<td>UXP-UXP</td>
<td>Custom</td>
<td>22.5” EZ Grip</td>
</tr>
</tbody>
</table>
Ultra Series™ Composite Pole Ends

Our Ultra Series polymer end fittings represent the cutting edge in pole technology. Designed to be durable, high strength, very lightweight, non-marring and resistant to corrosion, they are perfect for aluminum or carbon fiber poles. The Ultra Series™ is the smart choice for inshore and offshore racing or cruising, and resistant to corrosion, they are perfect for aluminum or carbon fiber poles. Our Ultra Series polymer end fittings represent the cutting edge in pole technology.

- Extremely Strong & Durable Composite Polymer Construction
- Very Light Weight and Corrosion Resistant
- Non-Marring Material Protects Your Boat
- Available in Black or Gray Color
- Spectra™ Trip Line With Terminal Eyestrap Included
- Very Light Weight and Corrosion Resistant
- Extremely Strong & Durable Composite Polymer Construction

Note: Ultra ends require a minimum 1.5” mast ring dia. or warranty is voided.

UXP External Trip Ends & EL Inboard End Fittings

Our standard Ultra pole end style, the UXP uses a conventional external trip line to open the spring-loaded jaw latch. Simply pull the line to open and release it to close.

UXTR Automatic External Trip Line Ends

The UXTR combines the simplicity of an external trip line with the convenience of an automatic jaw latch that can be locked-open and then automatically engaged once the pole is set. This allows you to insert a sheet or connect it to the mast without holding or forcing the jaw open. As soon as the jaw is pushed onto a mast ring or sheet, the latch is automatically engaged.

UTR Automatic Internal Trip Line Ends

The UTR combines an internal trip line system with the convenience of an automatic jaw latch that can be locked-open and then automatically engaged once the pole is set. The 3” and 3.5” models also include a small “Trigger Ball” on the end which allows you to click the jaw open at the end without going to the other side of the pole. As soon as the jaw is pushed onto a mast ring or sheet, the latch is automatically engaged.

Grand Prix Large Boat End Fittings

Designed for large boats, our Grand Prix series includes ends sized for boats up to 60 or 75 feet LOA. The series includes the traditional solid aluminum GP models, and a lightweight and non-marring composite Grand Prix Ultra Series™ model that includes a stainless steel thread liner for long-term durability. All Grand Prix poles are custom made, please call for details.

Grand Prix Ultra Series™ Ends

<table>
<thead>
<tr>
<th>Part #</th>
<th>Model</th>
<th>Tube Dia.</th>
<th>Tube I.D.</th>
<th>Weight w/o trip</th>
<th>Fitting Length</th>
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<tbody>
<tr>
<td>304021</td>
<td>UGPS-300-EF-ULTRA</td>
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<td>2.835”</td>
<td>2 lb 6 oz</td>
<td>5.625”</td>
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<tr>
<td>304022</td>
<td>UGPS-350-EF-ULTRA</td>
<td>3.5”</td>
<td>3.260”</td>
<td>2 lb 9 oz</td>
<td>5.625”</td>
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<tr>
<td>304023</td>
<td>UGPS-400-EF-ULTRA</td>
<td>4.0”</td>
<td>3.750”</td>
<td>2 lb 3 oz</td>
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<tr>
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<td>UGPS-450-EF-ULTRA</td>
<td>4.5”</td>
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<td>3 lb 3 oz</td>
<td>5.1875”</td>
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Grand Prix Ends

<table>
<thead>
<tr>
<th>Part #</th>
<th>Model</th>
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<th>Tube I.D.</th>
<th>Weight w/o trip</th>
<th>Fitting Length</th>
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</thead>
<tbody>
<tr>
<td>309030</td>
<td>GP-300-EF (Aluminum)</td>
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<td>2.835”</td>
<td>2 lb 6 oz</td>
<td>5.00”</td>
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<tr>
<td>309033</td>
<td>GP-350-EF (Aluminum)</td>
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<td>3.260”</td>
<td>3 lb 6 oz</td>
<td>5.625”</td>
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<td>309036</td>
<td>TS-450-EF (Aluminum)</td>
<td>4.5”</td>
<td>4.260”</td>
<td>4 lb 13 oz</td>
<td>5.1875”</td>
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</tbody>
</table>

TS & UTS Auto Socket End Fittings

Perfect for boat 50 to 70 feet, this unique “socket” type mast end fitting automatically locks onto the TS style mast toggle pin with a quick and easy push. The release is just as quick with a press of the lever. Universal socket design fits either the T-125 or T-150 size mast connection.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Model</th>
<th>Tube Dia.</th>
<th>Tube I.D.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>309031</td>
<td>TS-350-EF (Aluminum)</td>
<td>3.5”</td>
<td>3.260”</td>
<td>1 lb 13 oz</td>
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<tr>
<td>309032</td>
<td>UTS-300-Ultra</td>
<td>3.0”</td>
<td>2.835”</td>
<td>1 lb 4 oz</td>
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<tr>
<td>309033</td>
<td>UTS-350-Ultra</td>
<td>3.5”</td>
<td>3.260”</td>
<td>1 lb 7 oz</td>
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<tr>
<td>309034</td>
<td>UTS-400-Ultra</td>
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<td>3.750”</td>
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<tr>
<td>309035</td>
<td>UTS-450-Ultra</td>
<td>4.5”</td>
<td>4.260”</td>
<td>4 lb 7 oz</td>
</tr>
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</table>

Requires TS Toggle Style Mast Connection • See Page 13

Adapting Collars

Adaptive collar inserts allow you to use a smaller pole end on larger diameter pole. All collars are made of composite polymer Ultra material.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Model</th>
<th>Adapts:</th>
</tr>
</thead>
<tbody>
<tr>
<td>304049</td>
<td>AC-2 “ULTRA”</td>
<td>2.00” to 2.50”</td>
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<tr>
<td>304048</td>
<td>AC-3 &quot;ULTRA&quot;</td>
<td>3.00” to 3.50”</td>
</tr>
<tr>
<td>304046</td>
<td>&quot;ULTRA&quot;</td>
<td>3.00” to 4.00”</td>
</tr>
<tr>
<td>304048</td>
<td>&quot;ULTRA&quot;</td>
<td>3.00” to 4.00”</td>
</tr>
<tr>
<td>304049B</td>
<td>AC-2 “ULTRA” Black</td>
<td>2.00” to 2.50”</td>
</tr>
<tr>
<td>304048B</td>
<td>AC-3 “ULTRA” Black</td>
<td>3.00” to 3.50”</td>
</tr>
<tr>
<td>304046B</td>
<td>&quot;ULTRA&quot; Black</td>
<td>3.00” to 4.00”</td>
</tr>
<tr>
<td>304048B</td>
<td>&quot;ULTRA&quot; Black</td>
<td>3.00” to 4.00”</td>
</tr>
</tbody>
</table>

Available in Gray or Black
Mast Connections

Small Boat Fixed Mast Pad Eyes

Our basic stainless steel Mast Pad Eyes are designed for use with our Heavy duty Twist Lock whisker poles and Small Boat spinnaker poles. Measuring 2-3/4" x 2", these pad-eyes have inside ring diameters of 1-5/8". PE-3SF is for flat mast surfaces while the PE-3SC is slightly bent to better accommodate a curved mast.

- For Use With Smaller Boats Under 28ft
- Sturdy Stainless Steel Construction
- Easy To Install
- Flat or Curved Base For Use With Curved Surfaces

PE-3SF & PE-3SC Pad-Eyes

<table>
<thead>
<tr>
<th>Part #</th>
<th>Model</th>
<th>Use With</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400001</td>
<td>PE-3SF (Flat Base)</td>
<td>Heavy Duty Twist Lock Poles</td>
<td>Flat Fixed Mast FC Connections</td>
</tr>
<tr>
<td>400002</td>
<td>PE-3SC (Curved Base)</td>
<td>Heavy Duty Twist Lock Poles</td>
<td>Curved Fixed Mast FC Connections</td>
</tr>
<tr>
<td>400012</td>
<td>PE-3SSF w/ struts (Flat Base)</td>
<td>Small Spinnaker Poles</td>
<td>Small Fixed Mast FC Use Only</td>
</tr>
</tbody>
</table>

Fixed Mast FC Connections

Our Fixed Mast FC connections are perfect for those who want to add a spinnaker or whisker pole, but don’t want a track system on the mast. A perfect solution for boats 30 to 50 feet, the “FC” works with piston and trigger Ultra Series UXP, UXTR or UTR end fittings shown on page 10. The hinged bases adjust to fit mast sizes ranging from 2 1/2" to 5 1/2" wide. Polished stainless, it measures 7" long and has 10 - 1/4" staggered mounting holes. Use 5/16” round-head machine screws 3/4” in length.

- Use With UXP, UXTR & UTR Pole Ends
- For Use On Boats 25 to 50ft
- Easy To Install - No Track Installation Necessary
- Hinged Mounting Plates Adjust To Mast Shape

Part # Description

| #330225 | Large Fixed Mast FC Mount | For Boats Over 25 to 35 Feet |
| #330245 | Small Fixed Mast FC Flange Mount | For Boats Over 35 Feet |

To Prevent Dissimilar Metal Corrosion, We Recommend The Use Of Forespar’s Lanocote When Mounting Stainless to Aluminum

Mast T-Track Sections For Mast Cars

Searching for optimal sail shape and performance? We recommend installing a mast track on the front of your mast. This allows you to use one of our adjustable Mast Cars so you can adjust the mast end height of your downwind pole. For racing, a track allows you to lower the pole for upwind tacking and then quickly raise it again for a spinnaker set. Constructed of 1.25" "clear anodized aluminum, they come with pre-drilled, counter-sunk holes spaced on 4" center. Use 5/16" X 3/4" flat head stainless machine screws 3/4" in length.

Ultra Track Stop MS-125

Ultra construction prevents the clacking and shattering common with plastic stops.

Part # Model

| 339007 | T-Track 5’ Length |
| 339008 | T-Track 10’ Length |

T-Track Adjustable Mast Cars

Our adjustable height Mast Cars are designed to slide up and down a 1 1/4” T-Track and are perfect for anyone searching for optimum sail shape and performance. Each features strong Stainless construction and polyethylene slides inserts.

- Use With UXP, UXTR & UTR Pole Ends
- Requires 1 1/4” Mast T-Track
- For Use On Boats 25 to 50ft
- Strong Stainless Steel Construction

Ring Style Adjustable T-Track Mast Car

Our RD-125 ring style mast car is cast of exceptionally strong 17-4 heat treated stainless steel. Compatible with UXP and UTR end fittings, it has a ring I.D. of 1-5/8" and a screw lock-pin for positive adjustment into track pin holes. It can also be used with up and downhawl shackles for line height adjustment.

Heavy Duty FC Adjustable T-Track Mast Car

The heavy duty FC-125 spinnaker mast car is recommended for use with UTR, UXP or UXTR type pole ends. Perfect for boats 25 to 50 feet, the FC car allows for a wide range of vertical and horizontal movement while eliminating undesirable twist.

FC Style Mast Car For Selden

Designed so you can use your UXP, UXTR or UTR pole ends with Selden #511 or #533 mast cars.

Toggle “TS” Style Connections

Use with TS & UTS Socket End Fittings – See Page 11

Designed for use with socket style TS & UTS end fittings, our “Toggle” style mast connections are perfect for boats 35 to 70 feet. They automatically lock into place with a firm push, and release with a quick press of the lever. Offered in either an all stainless steel fixed model or adjustable T-Track styles made of stainless steel and hard coat anodized extruded aluminum, they are the best solution for large boat mast connections.

- Use With TS & UTS Socket End Fittings Only!
- For Use On Boats 35 to 70ft
- Requires 1 1/4” or 1 1/2” Mast T-Track
- Fixed or Adjustable T-Track Styles
- Strong Stainless Steel Construction

T-150-A Fits Standard Schaefer 1-1/2” Track

NOTE: For poles with our TS & UTS end fittings and using a Forespar T-125-S CAR, 5” is subtracted when given a “J” dimensions to establish pole length.

- To allow vertical storage on the mast of larger poles up to 6” diameter, specify our long toggle option. Our standard toggle works with poles to 4-1/2” diameter.

IMPORTANT: MAST CAR & EYE SIZES ON OLDER BOATS

Many boats built through the 70’s and early 80’s came with mast pad eyes or ring cars with relatively small ring diameters. Forespar ® “Ultra” series end fittings require a minimum of 1-1/2” I.D. rings for proper function. If the rings are used on rings less than 1-1/2” I.D., the jaws can catch up in the rings and the pole will fail. Lesser diameter rings should be changed out to avoid potential failure. Forespar will not warrant end fittings that fail due to inappropriately sized rings on the mast performance type.
Pole Storage Options

Vertical Pole Storage

Storing poles (whisker or spinnaker) vertically up the forward face of the mast has become very popular. It clears the decks and keeps the cruising sailor from having to lift the entire weight of the pole from the deck to the mast car. By combining our VPC-125 T-Track Storage Chock with our fixed MPC Mast Chock a running T-track system similar to the one shown to the right, you can create a highly effective vertical pole storage system. Selection of the proper mast car and inboard end fitting combination is critical. Ring style cars will not allow a pole to hang vertically without binding and eventually breaking the end fitting. Forespar® does not recommend any ring style mast cars for vertical pole storage.

Requires T-125 or FC-125 Mast Connection - See Page 13

Part # Model Description

300022 DC-2-3 Ultra For UXP, UTR, GP & UPS ends
300013 DC-TS-Ultra For Togge Style TS & UT end fittings
300005 DC-TS3 Stainless - for UXP, UTR, UPS, & GP ends

Deck Chocks

Our deck mounted chocks stow a spinnaker pole or whisker poles on the deck. The highly durable composite polymer "Ultra" deck chocks use a "snag-proof" low profile design.

Part # Model Description

300031 SC 250 Stainless - 2-1/2”
300032 SC 250 Stainless - 3”
300033 SC 300 Stainless - 2-1/2”
300034 SC 350 Stainless - 3-1/2”

Upper End VPC-125 T-Track Chock

The VPC-125 retains the upper end of a vertically stored pole in an adjustable car chock on the T-Track to help eliminate rattle, vibration and binding of the pole end. All four cars fit 1-1/4” T-Track and can be rigged with our FC-125 and T-125 mast cars.

Lower End MPC Fixed Mast Chock

Molded from durable high tech urethane, these chocks allow for stowing the pole vertically against the face of the mast. Two MPC chocks mounted 2-3 feet apart will help stop the pole from rattling.

Stanchion Mount Pole Chocks

Stop stubbling over deck mounted poles. These chocks store your pole off the deck and along your stanchions. Molded from durable, weather-resistant urethane and mounted easily on 1” stanchions. For spinnaker, whisker poles or reaching struts. For poles 2” to 3-1/2” in diameter.

Part # Model Description

300001 SC 250 Stainless - 2-1/2”
300002 SC 250 Stainless - 3”
300003 SC 300 Stainless - 2-1/2”
300004 SC 350 Stainless - 3-1/2”

Sold Individually

Two Required for each pole.

Reaching Struts & Accessories

Reaching Struts

Self-Latching Struts

These struts feature the easy-latching inboard fitting which quickly and securely snaps onto the mast ring. Use of our stainless steel PE-35F or PE-35SC mast pad eyes is recommended for proper fit.

Part # Model # Kit Length & Weight Dia. Mast Fitting

341000 RS-200-UXP 5/7 lbs. 3” PE-35F or PE-35SC
341001 RS-250-UXP 6/9 lbs. 3-1/2” PE-35F or PE-35SC
341002 RS-300-UXP 7/10 lbs. 3” PE-35F or PE-35SC

Also Available In Carbon Fiber

Part # Model # Strut End Tube I.D.

340001 RSO-200-EF Outboard 1.870”
340002 RSO-250-EF Outboard 2.334”
340003 RSO-300-EF Outboard 2.835”
304050 UXP-200-UXP Inboard 1.870”
304051 UXP-250-UXP Inboard 2.334”
304052 UXP-300-UXP Inboard 2.835”

Also Available In Carbon Fiber

Automatic TS Style Locking Struts

This series of struts features our special TS socket-type end that automatically locks onto the toggle-pin mast fitting with an easy push on the strut. A simple release lever allows the strut to be quickly removed. Designed to push guy sheets out further to weather, it reduces line chafe which is especially valuable in competitive racing situations.

Part # Model # Kit Length & Weight Dia.

340000 RS-300-TS 7’11” lbs. 3-1/2”
340001 RS-400-TS 9’17” lbs. 4”

Also Available In Carbon Fiber

Part # Model # Strut End Tube I.D.

340001 RSO-200-EF Outboard 1.870”
340002 RSO-250-EF Outboard 2.334”
340003 RSO-300-EF Outboard 2.835”
340004 RSO-400-EF Outboard 3.750”

Strut End Fittings

The RSO-200/250 accepts up to 3/8” line while the RSO-300 and RSO-400 accept up to 5/8” line.

Part # Model # Strut End Tube I.D.

340001 RSO-200-EF Outboard 1.870”
340002 RSO-250-EF Outboard 2.334”
340003 RSO-300-EF Outboard 2.835”
304050 UXP-200-UXP Inboard 1.870”
304051 UXP-250-UXP Inboard 2.334”
304052 UXP-300-UXP Inboard 2.835”
405006 TS-400-UXP Inboard 3.750”

ALUMINUM TUBING

Clear anodized to military specification (triple commercial). Prime marine alloy 6063-T6. All tubing sold in stock lengths.

Part No. O.D. Lengths Wall I.D. Ft.

500018 1-1/2” 22’2” .065” 1.370” 35 lbs.
500014 1-1/4” 12’ .050” 1.150” 22 lbs.
408002 1-1/2” 7’2” .065” 1.370” 35 lbs.
301005 1-1/2” 7’8” .065” 1.370” 35 lbs.
500020 2” 21’6” .065” 1.870” 47 lbs.
408001 2” 7’2” .065” 1.870” 47 lbs.
100401 9” 1” .065” 3.750” 60 lbs.
301058 2-1/2” 20’2” .083” 2.334” 74 lbs.
301056 2-1/2” 12’ .083” 2.334” 74 lbs.
301057 2-1/2” 11’2” .083” 2.334” 74 lbs.
301003 4” 20’ .083” 3.750” 172 lbs.

Part No. O.D. Stock Lengths Wall I.D. Wt./ Ft.

300118 3” 10’1” .120” 4.334” 10 lbs.
300116 3-1/2” 10’1” .120” 4.334” 10 lbs.
300115 3-1/4” 10’1” .120” 4.334” 10 lbs.
300114 3-1/8” 10’1” .120” 4.334” 10 lbs.
300113 3-3/8” 10’1” .120” 4.334” 10 lbs.
300112 3-1/4” 10’1” .120” 4.334” 10 lbs.
300111 3-3/8” 10’1” .120” 4.334” 10 lbs.

ALUMINUM TUBING

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Part No. O.D. Stock Lengths Wall I.D. Wt./ Ft.

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301003 4” 20’ .083” 3.750” 172 lbs.

* Custom Tubing is also available by the foot, call for pricing
**YACHT ROD™**

The High Performance Spring-Loaded Mechanical Boom Vang

Precision design in three sizes. Excellent vang/boom support for performance cruising and racing. White powder coated aluminum & polished stainless steel. Supplied with spectra cable ready to add your tackle system. Your 4:1 equals 8:1 when installed on Yacht Rod™. Can be led to small winch for additional power. Spring return holds boom.

Brackets for mast and boom sold separately. Mast and boom fittings are listed below. Caution: Oversheeting or leaning heavily on aft end of boom can bend the boom or the Yacht Rod™. The main halyard shackle should be snapped to the outboard boom end, in port, to prevent damage to the Yacht Rod™.

"FOR RACING OR CRUISING"

**FEATURES:**

- Eliminates need for boom topping lift
- Supports boom in light air, when reefing and lowering mainsail
- No gas spring to lose its charge
- Faster than hydraulics – No messy hydraulics to leak
- More efficient than conventional tackle
- Precision machined 6061-T6 aluminum clevis ends, electropolished 316 stainless steel tubing is white coated anodized 6061-T6 aluminum and electropolished 316 stainless steel
- Precipitation hardened stainless steel spring with fast-pin adjustment — rated for over 1 million compressions.

**YACHT ROD™ MAST & BOOM FITTINGS**

![Image](https://via.placeholder.com/150)

**COMPLETE YACHT ROD™ PACKAGES**

<table>
<thead>
<tr>
<th>Model Specs</th>
<th>YR-M</th>
<th>YR-L</th>
<th>YR-XL</th>
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<tr>
<td>Strike</td>
<td>7”</td>
<td>11-1/2”</td>
<td>11-1/2”</td>
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<tr>
<td>Adjustable Length</td>
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<td>86 1/2”</td>
<td>79 1/2”</td>
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<td>Pins to Pin (min.)</td>
<td>76 1/2”</td>
<td>80”</td>
<td>93”</td>
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<td>Adjustable Distance</td>
<td>12”</td>
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<td>13-1/2”</td>
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<tr>
<td>Pin Size</td>
<td>5/8”</td>
<td>5/8”</td>
<td>5/8”</td>
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<td>Jaw Width</td>
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<td>11/16”</td>
<td>11/16”</td>
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<tr>
<td>Weight</td>
<td>9.8 lbs</td>
<td>17 lbs</td>
<td>19 lbs</td>
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<tr>
<td>Max Return Force</td>
<td>600 lbs</td>
<td>1450 lbs</td>
<td>1450 lbs</td>
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Note of Caution: Furling booms weigh as much as 3 times the weight of standard booms. Standard vang spring will not support their weight.

**YACHT ROD™ - w/o HARDWARE**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>352000</td>
<td>YR X-Large Mast Fitting</td>
</tr>
<tr>
<td>352100</td>
<td>YR X-Large Boom Fitting</td>
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</tbody>
</table>

**FOR ONLINE TECH TIP ABOUT BOOM Vangs GO TO:**

[www.forespar.com/techtips](http://www.forespar.com/techtips)

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**MAST LIGHTS**

Forespar® offers two mast light systems. Model ML-1 deck light is designed primarily for installation on the mast just below the spreader. Model ML-2 is a combination deck-bow light with separate switching, to be mounted on the forward part of the mast.

**SPREADER/DECK LIGHT - ML-1**

Available with LED Bulbs

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
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<tbody>
<tr>
<td>131000</td>
<td>ML-1</td>
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<tr>
<td>131300</td>
<td>ML-1 LED</td>
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<tr>
<td>132035</td>
<td>Standard Bulb</td>
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<tr>
<td>132009</td>
<td>Replacement bottom ring (Twist lock)</td>
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</table>

**COMBINATION DECK/BOW LIGHT - ML-2**

<table>
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<th>Part No.</th>
<th>Model No.</th>
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<tr>
<td>132300</td>
<td>ML-2 LED</td>
</tr>
<tr>
<td>132025</td>
<td>WN-211 Top Bulb</td>
</tr>
<tr>
<td>132300</td>
<td>Stainless Steel Chafe Guard</td>
</tr>
<tr>
<td>132401</td>
<td>Complete top clear lens</td>
</tr>
</tbody>
</table>

*Copy of certification report available upon request from Forespar®.*

**STAINLESS STEEL LIGHT GUARD**

Available in black finish only

![Image](https://via.placeholder.com/150)

**NEW**

**MAST LIGHT, LIGHTING MASTER™**

**LIGHTNING MASTER™**

Lightning Master™ static dissipaters lower the exposure to a direct lightning strike by controlling the conditions which trigger direct strikes. It reduces the build-up of static ground charge and retards the formation of the ion “streamers” that complete the path for a lightning strike.

This is the same technology successfully employed to protect commercial broadcast and television towers. This lightweight (5.2 oz.) 21” long dissipater mounts to the masthead and extends vertically above all other mast equipment.

We do not claim that this product is 100% effective in preventing a lightning strike. At the present collective level of understanding of the lightning phenomenon, no one can make that claim. This product is not a “protection shield” for your equipment.

**FOR ONLINE TECH TIP ABOUT BOOM Vangs GO TO:**

[www.forespar.com/techtips](http://www.forespar.com/techtips)

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**MAST LIGHT, LIGHTING MASTER™**

**LED Replacement Bulbs**

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<tr>
<th>Part No.</th>
<th>Model No.</th>
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<tbody>
<tr>
<td>132325</td>
<td>ML-2 Top bulb-led</td>
</tr>
<tr>
<td>132335</td>
<td>ML-1 &amp; 2 Bottom bulb-led</td>
</tr>
</tbody>
</table>

For All Replacement Parts - See Page 51

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**MAST LIGHT, LIGHTING MASTER™**

**Works Well on Power Boats Too!**

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**FOR ONLINE TECH TIP ABOUT BOOM Vangs GO TO:**

[www.forespar.com/techtips](http://www.forespar.com/techtips)
SHACKLE GUARDS
Place a protective buffer between the spinnaker pole ends and your after-guy shackle. Made of high-strength polyethylene, these tough polymer guards are UV inhibited for long life. Shackles Guards can also be used on lifelines to skirt genoas.

Sold Individually

SAIL SAVER™
Jib roller for wire sizes 3/16" to 3/8". Extend the life of your genoa by reducing chafe on the spreader tips.

Jib rollers can also be used on lifelines for helping pass foot of jib over stanchions.

Sold in Pairs

ASSORTED MARELON® CLEATS
Molded from high-strength Marelon®, Forespar’s cleats have been used by manufacturers of yachts and power boats all over the world. Their strength, light weight and low cost have contributed to their increased use in the marine industry.

The use of Marelon® allows our cleats to take up the curve of a deck without breaking, while maintaining strength and resisting abrasion — will not soften on hot days or freeze in winter.

3” - 8” CLEATS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Hole Dia.</th>
<th>Size</th>
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<tbody>
<tr>
<td>941018</td>
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<td>5/32&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>941016</td>
<td>MF 762/4</td>
<td>3/16&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>941013</td>
<td>MF 763/5</td>
<td>3/16&quot;</td>
<td>5&quot;</td>
</tr>
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<td>941014</td>
<td>MF 764/5</td>
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<td>6.5&quot;</td>
</tr>
<tr>
<td>941015</td>
<td>MF 765/6</td>
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<td>8&quot;</td>
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</table>

LOW PROFILE 6” CLEAT

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Hole Dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>941006</td>
<td>MF 766/6</td>
<td>1/4&quot;</td>
</tr>
</tbody>
</table>

EXIT BOX
This line exit box is made for use with the new high-tech rope fibers. Suitable for carbon fiber and ideal for aluminum because there is no metal to metal contact to promote corrosion. Stainless steel molded into a strong Marelon® cheek with no moving parts.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>030016</td>
<td>Marelon® Exit Box</td>
</tr>
</tbody>
</table>

LINE CHOCKS
Tough Marelon Line Chocks create an convenient, chafe-free line lead to help direct your dock lines as needed.

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<tbody>
<tr>
<td>960001</td>
<td>MF 755</td>
<td>3-1/2&quot;</td>
<td>3/16&quot;</td>
</tr>
<tr>
<td>960000</td>
<td>MF 770</td>
<td>6&quot;</td>
<td>1/4&quot;</td>
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</table>

TRANSOM HANDLE
Tough Marelon Transom Handle.

<table>
<thead>
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<th>Part No.</th>
<th>Model</th>
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<tbody>
<tr>
<td>890017</td>
<td>Marelon® Transom Handle</td>
</tr>
</tbody>
</table>

TELESCOPING AWNING POLES
Ideal for boat awnings, our Teleflexing Awning Poles are available in four length ranges to accommodate all boat sizes. Featuring our renown internal twist lock mechanism, the poles feature “eye” type end fittings. For larger boats we offer a special Heavy Duty option. Standard size poles have 7/8” and 1” diameter tubing. Heavy Duty poles are 1” and 1-1/8” in diameter.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Telescopes</th>
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<td>503000</td>
<td>TAP-3-6</td>
<td>45° to 71°</td>
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<tr>
<td>504000</td>
<td>TAP-4-8</td>
<td>57° to 96°</td>
</tr>
<tr>
<td>505000</td>
<td>TAP-5-10</td>
<td>66° to 120°</td>
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<tr>
<td>506000</td>
<td>TAP-6-12</td>
<td>81° to 144°</td>
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<tr>
<td>505100</td>
<td>TAP-5-10-HD</td>
<td>66° to 120°</td>
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<tr>
<td>506100</td>
<td>TAP-6-12-HD</td>
<td>81° to 144°</td>
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Part No. | Model No. | Wire Size |
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<tbody>
<tr>
<td>210003</td>
<td>SR-2 (pr.)</td>
<td>Accepts wire 3/16” to 3/8”</td>
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Part No. | Model No. | Hole Dia. |
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<td>3/16&quot;</td>
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Part No. | Model No. | Wire Size |
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<tbody>
<tr>
<td>941006</td>
<td>MF 766/6</td>
<td>1/4&quot;</td>
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Part No. | Model No. | Hole Dia. |
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Part No. | Model No. | Wire Size |
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TILLER EXTENSIONS

TWIST-LOCK TILLER EXTENSIONS

The industry standards are set by Forespar’s complete line of hiking sticks with designs and lengths to satisfy every sailor. Our telescoping models offer a choice of three excellent fastening devices: TFP (Quick-Release), SF (Sta-Fast™), and SL (Speed-Lock), our new composite universal.

A long-time favorite of serious sailors around the world, the TFP (Quick-Release) model can be instantly fastened to the tiller by simply depressing the plunger and inserting the detent pin into the special tubular fitting supplied. Again, an easy push on the plunger and the hiking stick is released from the tiller. Stow it or take it home with you. It’s fast, simple and secure.

NEW & IMPROVED

THE ULTIMATE RACER’S CHOICE.

The latest designs in Tiller Extensions from Forespar

StaFAST™ End Fitting

Extended from here

Part No. Model No. Telescopes Tube Dia.
104016 TFP-S 19” to 32” 3/4” - 5/8”
104017 TFP-M 27” to 48” 3/4” - 5/8”
105110 STX 30”  Fixed 3/4”
105120 STX 36” Fixed 3/4”
108100 SF-S 19” to 32” 3/4” - 5/8”
108101 SF-M 27” to 48” 3/4” - 5/8”

New composite cam locks give our time tested twist lock tiller extensions a crisp, positive bite while freely unlocking with a quick turn of the wrist.

THE BALL END & GOLF GRIP SWIVEL STICK

Forespar’s economical fixed length tiller extension is now a better value. Featuring our removable Speed Lock (SL) rubber universal end fitting mounted on rugged 5/8” dia. black anodized aluminum tubing with rubber Ball End or Golf Grip style handle for the small boat (up to 22’ maximum) sailor. Available in four of the most popular lengths: 18”, 24”, 30” & 36”.

Durable Performance

Installation

To Replace Universal Joint

Clamp Nut

StaFAST™ TX & SF

LEARN MORE

forespar.com/tiller

The ultimate racer’s choice.

TILLER CLIPS

Exceptional strength tiller clips molded out of Marelon®

Part No. Model No. Length
102000 SW-18 18 in.
102001 SW-24 24 in.
102002 SW-30 30 in.
102003 SW-36 36 in.
108100 SF-S 19” to 32” 3/4” - 5/8”
108101 SF-M 27” to 48” 3/4” - 5/8”

TPF QUICK RELEASE

Patented design holds the tiller extension exactly where you leave it. No more sliding down out of reach (not sold separately). 5/16” X 2-1/2” bolt

Not Sold Separately

Part No. Model No. Length
102214 Big Stick Carbon 30”
102215 Big Stick Carbon 36”
102217 Big Stick Carbon 48”
102218 Big Stick Carbon 72”

Not Frills, just an extension! Black only.

All straight tubes so that they can be modified by each sailor to tailor fit his/her boat. Simply cut the tube to length on the outboard end. All come with our proven “speed lock” design (see page 21) for quick mount/dismount and easy replacement if necessary. The extensions are shipped loose for custom lengths to suit your class requirements.

Cut-out Dimensions: 3-3/8”w X 4-3/4”h X 1-1/2”d.

Not Sold Separately

Part No. Model No.
100000 TLB

TILLER LOCK BOX — TLB

This inexpensive product turns any boat with a ball-grip Forespar® tiller extension into a boat with a simple, effective and adjustable tiller lock. Install one into your cockpit coaming and you have it in minutes!

Locks Your Boat On Course!
SAFETY PRODUCTS

OVERBOARD GEAR NEEDS TO BE DEPLOYED QUICKLY...

...Because, at only 3 knots... ...the person will be 50 feet away in 10 seconds, and... ...in waves, the person will lose sight of the horseshoe buoy without an overboard pole!!

Our Man Overboard Poles are approved by both I.S.A.F. and Transpac Y.C. for offshore racing. These poles are constructed of the finest materials and reflect modern design and quality workmanship. The strong fiberglass shafts feature a highly visible yellow coating. The red and yellow flags are made of long lasting Dacron with a batten sewn in place to hold the flag in an open position. Now includes reflective tape to aid in night location.

All poles are two-piece and feature a unique top shaft that can be custom sized by the user resulting in an overall pole length ranging from 11.5 to 15 ft. An epoxy kit is provided with each unit and no cutting is necessary. Simply telescope the top shaft to length desired and epoxy in place. A non-corrosive joining sleeve is standard to allow disassembly of the top shaft from the float for easy storage. The flag is included with Overboard Poles. Outside diameter of float is 4.25 inches.

OVERBOARD POLES - OP-120

DIMENSIONS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Overall Length</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>202018</td>
<td>OP-120</td>
<td>142 in.</td>
<td>8 lbs.</td>
</tr>
<tr>
<td>202020</td>
<td>Top Pole Complete with Flag</td>
<td>176 -1/2 in.</td>
<td></td>
</tr>
<tr>
<td>202026</td>
<td>Replacement Flag</td>
<td>64 in.</td>
<td></td>
</tr>
<tr>
<td>202020</td>
<td>Top Half</td>
<td>78 in.</td>
<td></td>
</tr>
<tr>
<td>202026</td>
<td>Maximum</td>
<td>112 -1/2 in.</td>
<td></td>
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</tbody>
</table>

FLAG TUBE OP-FT

To secure the flag on the overboard pole to the backstay or along the lifeline, our polyvinyl flag tube is superior to fabric flag-boots. Offering longer life and a faster release of overboard pole. Comes complete with fasteners and simple instructions. Maximum wire size = 3/8 in.

OVERBOARD POLE HOLDER - 300-M

The Railfast® overboard pole holder holds the base of the pole. Easily mounted to the stern rail, close to the horseshoe bracket, it helps provide a complete safety system—with all man-overboard items located in close proximity for speedy deployment when time is of the essence. This unit is made of stainless steel and corrosion proof nylon, and comes with all mounting hardware.

STA-PLUG®

Sta-Plug® instantly controls incoming water by automatically conforming to fill the shape of a hole. Whether it’s from hull damage, hose failure, corroded thru-hulls or any other source, Sta-Plugs® soft cone-shape fills the gap. Its unique edge gripping riblets also help hold it in place, giving you precious time in an emergency.

- More Versatile Than Wooden Plugs
- Easy to Use - Hand Compresses
- Works Up To 10' Below Waterline

NEW

FLOATING LED STROBE WATER LIGHT - WL-1

Built to meet Code of Federal Regulations sub part 161.010; this rugged water light automatically produces a brilliant 360 degrees LED strobe flash when thrown overboard. Visible for miles, it has been tested to flash for over 1000 hours using a 6 volt alkaline lantern battery (not included). This far exceed the 55 hour U.S.C. required minimum flash time rate (meets U.S.C.G. requirements—46 CFR-161.010).

A stainless steel mounting bracket is included. Dimensions are 11-1/2” long, and 4” maximum diameter, 1,85 lbs.

U.S.C.G. Approval #161.010/20/0

SAFETY PRODUCTS
HOYT JIB BOOM™

Perfect Wing & Wing Trim of Your 100% Self-Tacking Jib

As your boat bears off downwind, and the sheets are eased, the Hoyt Jib Boom™ maintains precise control of the jib’s leech. This results in remarkable performance improvement and ease of handling.

Ceiling for Multihulls and Sails

As your boat bears off downwind, and the sheets are eased, the Hoyt Jib Boom™ maintains proper leech twist, which results in remarkable performance improvement and ease of handling.

HOYT JIB BOOM™ MODELS

<table>
<thead>
<tr>
<th>Part #</th>
<th>Model No.</th>
<th>Tube Dia</th>
<th>Weight</th>
<th>Knuckle Length</th>
<th>Boom Tube Length</th>
<th>Suggested Maximum J</th>
<th>Yacht LOA</th>
<th>Base Dia</th>
<th>“A”</th>
</tr>
</thead>
<tbody>
<tr>
<td>313101</td>
<td>250</td>
<td>2.5” OD</td>
<td>16lbs</td>
<td>2.25”</td>
<td>6”</td>
<td>10”</td>
<td>25” - 29”</td>
<td>7”</td>
<td>14”</td>
</tr>
<tr>
<td>313102</td>
<td>300</td>
<td>3.0” OD</td>
<td>24lbs</td>
<td>2.50”</td>
<td>11”</td>
<td>13”</td>
<td>30” - 35”</td>
<td>7-3/4”</td>
<td>17”</td>
</tr>
<tr>
<td>313103</td>
<td>350</td>
<td>3.5” OD</td>
<td>37lbs</td>
<td>2.75”</td>
<td>13”</td>
<td>17”</td>
<td>35” - 42”</td>
<td>8-3/4”</td>
<td>21”</td>
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</table>

The typical base placement (center of the pedestal base) is 10% aft of the headstay. This is not a critical location, but rather a “Rule of Thumb.” Various obstacles can obstruct the pedestal base position.

All knuckles are bent to 57 degrees. All pedestals are set at 23 degrees. All angles are calculated on a perfectly flat and level deck. Wedges will be required on many installations to make up for deck camber. A universal black molded urethane wedge which can be cut to fit is available from Forespar®.

HOYT JIB BOOM MODELS

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<tr>
<td>313155</td>
<td>Universal Wedge (SOLD IN PAIRS)</td>
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Universal Wedge Insures Proper Leech Twist.

The HOYT JIB BOOM™ is one of the best cruising innovations I have seen or used.”

Ken Read • Vice Pres. North Sails

ROLL-X FLOPPER STOPPER

Removable Anchorage Stabilizer

The Roll-X Flopper Stopper limits the rocking and rolling of a rough anchorage. Exclusive baffle design provides superior stability.

• Can be Quickly Deployed and Removed
• Stainless Steel and Aluminum Construction
• Professional Installation Recommended

Part #  | Boat Length | Roll-X Stabilizer
|---------|-------------|-------------------|
| 305030  | 3’ x 11/2” Pole Kit for Boats to 46’ | NEW Roll-X Storage Bag
| 305033  | 3’ 1/2” x 14” Pole Kit for Boats to 55’ |

MARELON® WINCH

• Product Of Ultra Light Composite Technology
• For Up To 200 Sq. Ft. Of Sail
• Only Weighs .86 Lbs.

All Marelon® Construction
• No Corrosion
• Accepts Standard Star Drive Winch Handle

DIMENSIONS

Height: 3-3/8”, Base diameter: 3-5/8”
Top diameter: 3-1/4”, Drum diameter: 2-7/16”
Four 1/4” fastener holes in 1-7/8” square pattern

Part No. Description Model No.
960003 Marelon® Winch MW-6

STEERING CONTROL ARM

Our new Steering Control Arm allows you to make minor course adjustments without being directly in touch with your wheel. The tiller is an adjustable system that can be quickly attached or removed with push of a button.

• Greater Forward Visibility
• Easy Course Corrections Autopilot’s Can’t Perform
• Great for Relaxation While Maintaining Control

Part No. Description
104018 Steering Control Arm
### RAILFAST Hardware

**Attach Accessories to Side Rails to Save Valuable Deck Space!**

Railfast Hardware allows you to attach a wide variety of accessories to your round side rails. Great for sail or powerboats, your imagination is the only limit to how you can use Railfast Attachments. Fish cleaning boards, stoves, flag poles, GPS receivers, fenders, solar panels can now all be securely mounted to your rail without drilling.

**DO IT YOURSELF!**

The number of uses for the Railfast mount is as unlimited as your own imagination! Assemblies are available that make it easy for you to create your own device to mount almost anything to your railing.

### MOUNTING BOSS

The Railfast® mounting boss consists of the rail clamp assembly and a cover piece with a flat surface, all secured by a single bolt. Mount fender baskets, running lights, solar panels, barbecues, etc.

### MOUNTING FLANGE

**Great for Solar Panels**

Railfast® mounting flange-350 provides a flat, 4-hole mounting surface that can be adapted to a variety of uses. Mount cutting tables, outboard brackets, etc.

### FLAG POLE SOCKET

Railfast® assembly and flag pole holder make installing flag poles a breeze. The holder can mount at any angle on a horizontal bow or stern rail and will accommodate flag poles with 1" base diameters. A set screw holds flag pole in place.

### RAILFAST® ANTENNA MOUNTS

Railfast® is a great way to install your antennas. It mounts quickly to 7/8", 1" or 1-1/4" railings, horizontally, vertically, or at any angle, providing a professional and secure mounting for standard HF, VHF, and Loran antennas up to 8' in length. A special internal feed-through channel accommodates Loran cable that is routed directly out the bottom of the coupler.

### NYLON ANTENNA MOUNT

Ideal for permanent fixed installation of antennas.

### NYLON ANTENNA MOUNT WITH HANDLE

Molded with a fiberglass additive for superior strength. Laydown handle for passing under bridges storage or trailering.

### UTILITY HOLDER

The Railfast® ring mounting bracket has a variety of uses including life rings, power cables, line or other accessories. Use in pairs to hold larger objects.

### HORSESHOE HOLDER

The Railfast® horseshoe mounting bracket is a must for any sailboat. Electro-polished stainless steel it is bent precisely to hold a standard horseshoe buoy securely without the need of a retaining strap.

### MOTOR MATE™

Features heavy duty anodized aluminum, powder coated white for added corrosion resistance. The unit stores in its own 31” x 6” bag. Comes with tackle and will lift anything from the dinghy to the cockpit (or vice-versa) up to 100 lbs. Great for the dinghy motor, but also good for SCUBA tanks, ice, duffel bags, groceries, etc.

**The Motor Mate™ uses a Railfast® mounted ring on the rail and a “toe” on the cockpit coaming directly under the rail.**

- **Light-Weight, Portable, Compact**
- **Ideal for Lifting Outboard Motors, Sea Bags, SCUBA Gear**
- **Lifting Capacity: 100 lbs. (the weight, approximately, of a 15 hp. outboard)**
- **Works Great for Both Power Boats & Sailboats**

**FOR ONLINE HOW-TO INSTALLATION VIDEOS AND OTHER RAILFAST ACCESSORIES GO TO: [www.forespar.com/railfast](http://www.forespar.com/railfast)**

---

**Part No.** | **Model No.** | **Description**
---|---|---
156011 | 300-1” Rail | Motor Mate™
156031 | 300-1-1/4” Rail | Motor Mate™
156012 | 350-1” Rail | Motor Mate™
156032 | 350-1-1/4” Rail | Motor Mate™
156006 | 324-FPH-1” Rail | Motor Mate™
156026 | 324-FPH-1-1/4” Rail | Motor Mate™
156020 | 300-R-1” Rail | Motor Mate™
156029 | 300-R-1-1/4” Rail | Motor Mate™
156000 | 311-N-1” Rail | Motor Mate™
156029 | 311-N-1-1/4” Rail | Motor Mate™
156009 | 311-NH-1” Rail | Motor Mate™
156028 | 311-NH-1-1/4” Rail | Motor Mate™
153100 | 311-NLH-1” Rail | Motor Mate™
153104 | 311-NLH-1-1/4” Rail | Motor Mate™
153105 | 311-NLH-1-1/4” Rail | Motor Mate™
153109 | 311-NLH-1-1/4” Rail | Motor Mate™
153110 | 311-NLH-1-1/4” Rail | Motor Mate™
153130 | 311-NLH-1-1/4” Rail | Motor Mate™
153130 | 311-NLH-1-1/4” Rail | Motor Mate™
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153130 | 311-NLH-1-1/4” Rail | Motor Mate™
153130 | 311-NLH-1-1/4” Rail | Motor Mate™
**NOVA DAVIT™**

The Nova Davit system represents the "State of the Art" for styling and function. Versatile mounting designs assure a perfect fit with an offshore strength standard. Like all Nova products, a very high standard of finish make the right statement about your boat. The neat folding feature stows the davit system flush with your boat's stern. The maximum safe working load is 350 lbs. per pair (175 lbs. per arm).

Light Weight, Strong 316 Stainless Steel

Nova Davit™ Conveniently folds inwards to maintain boat slip length or remove them completely for storage or racing.

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<th>Part No.</th>
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<tr>
<td>153302</td>
<td>Nova Davit™</td>
<td>Nova Davit™ With Winch</td>
</tr>
<tr>
<td>153347</td>
<td>Optional 1-1/4 Rail Mount Kit</td>
<td></td>
</tr>
</tbody>
</table>

**NOVA LIFT™**

Our Nova products combine elegant styling with superb strength and function. The Patented Nova Lifts use internal led purchase to keep the lifting arm centered over the load. Other brands swing left and right without control. Another valuable feature is the internal lead to your cockpit winch where you have loads of lifting power to make the job easy! No external block & tackle.

Nova Lift™ comes with a stainless steel lower mounting tube that will accommodate 30" height rails. Vessels with rails higher than 30" will require the use of a deck pad (not included) to raise the installation to the proper height.

The Nova Lift™ with winch is ideal for trawlers and motor yachts where sailboat winches are not available.

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<tbody>
<tr>
<td>153311</td>
<td>Nova Lift™ With Winch</td>
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<tr>
<td>153308</td>
<td>Outboard Motor Sling</td>
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<tr>
<td>153387</td>
<td>1-1/4&quot; Rail Adaptor</td>
</tr>
<tr>
<td>153312</td>
<td>2-5&quot; Optional Stand Off Bracket</td>
</tr>
</tbody>
</table>

**QUIK DAVIT™**

A hinged type davit system, Quik Davit quickly connects a dinghy to the back edge of almost any swim platform, allowing it to be tipped up and out of the water for easy storage without towing. The user simply snaps the pieces together to create a hinge that allows the dinghy to be pulled up onto the swim platform or transom. To release the dinghy you simply push it into the water and pull back the spring loaded easy grip release handles to unlock the connection.

- Safer And More Stable Dinghy Entry And Exit Point
- Solid 316 Stainless Steel And UV Resistant Composites
- Quickly Removable Davit Heads and Yokes Eliminate Tripping Hazard
- Exclusive Inflatable Adhesive Works On Both Hypalon and PVC Inflatables
- Fully Compatible With Most Weaver® System Heads & Dinghy Pads

Designated for inflatable dinghies up to 200 lbs in total weight (79 kg) and up to 11 feet (3.3 m) in length.

**QUIK DAVIT™ HEAD RAISERS**

Quik Davit heads with raised bases are used for Swim Platforms where the platform is too low to the water for normal hookup. Fits Fast Kit mount system. Sold as a pair.

<table>
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<tbody>
<tr>
<td>153470</td>
<td>Quik Davit Complete Kit (Including Heads, Pads, Adhesive, Fasteners)</td>
</tr>
<tr>
<td>153477</td>
<td>Fast Kit - Mounts for Davit Head Quick Removal</td>
</tr>
<tr>
<td>153475</td>
<td>Davit Head Kit - Includes 2 Snap Davit Heads and Fasteners</td>
</tr>
<tr>
<td>153476</td>
<td>Dinghy Pad Kit - Includes 2 Dinghy Pads</td>
</tr>
<tr>
<td>153492</td>
<td>4 oz Universal Adhesive Kit for Inflatables</td>
</tr>
<tr>
<td>153478</td>
<td>8 oz Universal Adhesive Kit for Inflatables</td>
</tr>
</tbody>
</table>

**QUIK DAVIT™ HEAD EXTENSIONS**

Quik Davit heads with horizontal extension bases are used to clear curved or irregularly shaped edges of swim platforms, or to clear existing swim ladders. Fits Fast Kit mount system. Sold as a pair.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>153491-E1</td>
<td>Quik Davit Head Extension - 1&quot;</td>
</tr>
<tr>
<td>153491-E2</td>
<td>Quik Davit Head Extension - 2&quot;</td>
</tr>
<tr>
<td>153491-E3</td>
<td>Quik Davit Head Extension - 3&quot;</td>
</tr>
<tr>
<td>153491-E4</td>
<td>Quik Davit Head Extension - 4&quot;</td>
</tr>
</tbody>
</table>

**QUIK DAVIT™ HEAD LOCKS**

Quik Davit Locks for existing swim ladders. Fits Fast Kit mount system. Sold as a pair.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>153491-L1</td>
<td>Quik Davit Head Extension Lock - 1&quot;</td>
</tr>
<tr>
<td>153491-L2</td>
<td>Quik Davit Head Extension Lock - 2&quot;</td>
</tr>
<tr>
<td>153491-L3</td>
<td>Quik Davit Head Extension Lock - 3&quot;</td>
</tr>
<tr>
<td>153491-L4</td>
<td>Quik Davit Head Extension Lock - 4&quot;</td>
</tr>
</tbody>
</table>

**QUIK DAVIT™ HEAD STAND OFF EXTENSIONS**

Quik Davit Stand Offs are used to clear existing swim ladders. The user simply pushes the Spring Loaded Easy Grip release handle to unlock the connection.

- Safer And More Stable Dinghy Entry And Exit Point
- Solid 316 Stainless Steel And UV Resistant Composites
- Quickly Removable Davit Heads and Yokes Eliminate Tripping Hazard
- Exclusive Inflatable Adhesive Works On Both Hypalon and PVC Inflatables
- Fully Compatible With Most Weaver® System Heads & Dinghy Pads

**NEW**

- Designed for inflatable dinghies up to 200 lbs in total weight (79 kg) and up to 11 feet (3.3 m) in length

**QUIK DAVIT™ HEAD EXTENSIONS**

Quik Davit heads with horizontal extension bases are used to clear curved or irregularly shaped edges of swim platforms, or to clear existing swim ladders. Fits Fast Kit mount system. Sold as a pair.
PureWater+®

Exceptionally Clean Tasting Tank Water With A Twist!
If you would like to be able to drink pure, clean tasting water, directly out of your boat’s water tanks, our innovative PureWater+® water filtration system is an elegant and easy-to-install solution. Its unique top-loading filter design allows you to simply twist off the faucet head and drop in a new filter. This eliminates unsightly above the sink filter containers, or the need to crawl under the cabinet to replace the filter.

- Simple Filter Change by Twisting Off Faucet Head and Simply Dropping Filter Into Cartridge Without Crawling Under Sink
- On-Demand Ultra-Clean Tasting Water From Your Tank
- Elegantly Styled, Simple to Install Design
- Compact Filter Housing Maximizes Under Sink Storage
- 5 Micron or Ultra Fine .5 Micron Filters

Two Filtration Options
5 Micron & .5 Micron Ultra-Fine Filter

Unique Top Load Twist & Drop Filter Installation

Easy to Install Space Saving Design
Complete System Includes Everything Needed For Installation

Part No Description
770201 Tea Tree Power 2oz Gel
770202 Tea Tree Power 4oz Gel
770203 Tea Tree Power 8oz Gel
770204 Tea Tree Power 16oz Gel

Learn More
forespar.com

TEA TREE POWER® DEODORIZERS
Marine Grade Odor Eliminators

Tea Tree Power™ is the all-natural marine grade odor eliminator containing a proprietary blend of 100% Australian Tea Tree Oil and other natural ingredients. Its powerful, yet pleasant smelling vapors, diffuse throughout your cabin and lockers, attacking and eliminating the source of unpleasant odors caused by mold, mildew, and bacteria.

Tea Tree Power® Gel
Slowly evaporates to provide continuous, natural, and long-lasting odor control for up to 3 months. It penetrates deep into porous materials (cushions, carpets, and upholstery) delivering a deep cleaning with enduring odor protection.

Tea Tree Power® Spray & Mist
Not a cover-up fragrance, Tea Tree Power Spray starts controlling odors on contact providing continuous, natural, and long-lasting odor control for up to 3 months. It penetrates porous materials (cushions, carpets, and upholstery) delivering a deep cleaning with enduring odor protection.

Tea Tree Power® Gel Refills
Not a cover-up fragrance, Tea Tree Power Spray starts controlling odors on contact providing continuous, natural, and long-lasting odor control for up to 3 months. It penetrates porous materials (cushions, carpets, and upholstery) delivering a deep cleaning with enduring odor protection.

Part No Description
770209 Tea Tree Power 2oz Mist
770207 Tea Tree Power 8oz Spray
770273 Tea Tree Power 16oz Spray/Mist Refill

Part No Description
770205 Tea Tree Power Refill - 22oz
770206 Tea Tree Power Refill - 44oz

Learn More
forespar.com/boatcare
MARELUBE™ MARINE LUBRICANTS
MareLube™ by Forespar is a family of specifically formulated synthetic lubricants designed for a variety of applications and environments. Each contains PTFE for maximum protection without adhesion. MareLube™, MareLube™ Liquid, and MareLube™ Reach for general lubrication including valve and plumbing applications, and Marelube TEF45™ with maximum PTFE for superior corrosion and anti-seize protection in high-load and wet locations.

- Long Lasting PTFE Synthetic Lubrication
- Works Equally Well In Fresh Or Salt Water
- Safe On Rubber, Plastic and Painted Surfaces
- Formulated For Specific Uses For Maximum Effectiveness

MARELUBE™ VALVE

MareLube™ Valve Lubricant
MareLube Valve Lubricant is an advanced lubrication formula designed to keep valve seals and balls working smoothly in marine plumbing systems. It is a clear, non-staining and nontoxic lube that is perfect for traditional bronze fittings, as well as all composite plumbing fixtures like Forespar’s Marelon® parts.

<table>
<thead>
<tr>
<th>Part No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>770050</td>
<td>4 oz MareLube Valve Lubricant</td>
</tr>
</tbody>
</table>

MareLube™ REACH Valve Lubricant
Proper lubrication is essential for all your boat’s valves. Forespar’s New MareLube™ REACH Kit offers an easy way to lubricate those hard-to-reach valves using a pre-loaded syringe of MareLube Valve lubricant and extension tube.

MareLube REACH kit includes: pre-loaded application syringe, extension hose and applicator brush.

<table>
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<tr>
<th>Part No</th>
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<tr>
<td>770048</td>
<td>MareLube REACH Kit</td>
</tr>
</tbody>
</table>

MareLube™ Valve Liquid
Liquid MareLube Valve Lubricant is a non-toxic, biodegradable formula that can be conveniently poured directly into your drain system to lubricate your valves and seacocks without disassembly.

Available in an easy-pour 16oz bottle.

<table>
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<tr>
<th>Part No</th>
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<tr>
<td>770055</td>
<td>16 oz Liquid MareLube Valve Lubricant</td>
</tr>
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</table>

MareLube™ TEF45™
MareLube™ TEF45™ is a highly water-resistant synthetic lubricant grease containing 45% PTFE. This is the highest percentage PTFE available, which makes TEF 45™ perfect for heavy-loads and bi-metal anti-corrosion applications like turnbuckles, spar fittings and motor lower units. TEF-45™ also works well at protecting against rust corrosion and anti-seize applications.

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<tr>
<td>770067</td>
<td>4 oz MareLube TEF45</td>
</tr>
<tr>
<td>770068</td>
<td>16 oz Marelube TEF45</td>
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</tbody>
</table>

MareLube TEF45™ Pre-Loaded Syringe Packs
Convenient pre-loaded syringe packs work great for those hard-to-reach applications where injection is needed. Available in 30cc and 6cc sizes. Applicator brush included.

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<tr>
<td>770065</td>
<td>6cc MareLube TEF45 Syringe Pack</td>
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<td>30cc MareLube TEF45 Syringe Pack</td>
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MareLube™ TEF 45 is a long-lasting lubrication paste that is perfect when you need a heavy-duty lubricant that can withstand high-load use in wet locations. Available in either 4oz or 16oz jars.

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<tr>
<td>770170</td>
<td>MareLube TEF 45 - 12 oz Caulk Tube</td>
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<tr>
<td>770171</td>
<td>MareLube TEF 45 - 8 lbs Pail</td>
</tr>
<tr>
<td>770172</td>
<td>MareLube TEF 45 - 40 lbs Bucket</td>
</tr>
</tbody>
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MareLube™ TEF45™ Large Quantity Packages
MareLube TEF45™ is also available in large quantity packages ranging from the 12 oz caulk tube to the 40 lbs bucket, these high quantity packages are great for large jobs and OEM applications.

Learn More forespar.com/marelube

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Learn More forespar.com/marelube
**PerformanceCare + LANOCOTE & REFRESH DEODORIZERS**

- Non-Toxic and Biodegradable
- Naturally Attacks Odor Source
- Not A Cover-Up Fragrance

**REFRESH™ DEODORIZERS**

ReFresh™ is a new family of all natural, environmentally safe cleaners and deodorizers that are specially formulated to work on the toughest odors, attacking the source. Guaranteed to work, each of these modern green products is specifically formulated using naturally biodegradable ingredients to create effective, non-toxic alternatives to traditional chemical based cleaners.

The ReFresh™ family includes three specially formulated, non-diluted products for your most frequent needs including EcoTankPro, specially designed to deodorize and decompose head and tank waste.

- Prevents Thread Freeze-up
- Combats Galvanic Reaction of Dissimilar Metals
- Seals Porous Surfaces
- Neutralizes Acids, Alkalis & Salts
- Prevents Corrosion On Electronic Contacts

**LANOCOTE® The Rust & Corrosion Solution**

LanoCote works on these five basic principals: displaces water, absorbs corrosion, forms moisture barrier, penetrates and has high lubricity. LanoCote prevents dissimilar metal galvanization. LanoCote is extremely effective in preventing and stopping corrosion on all types of metals under all environmental conditions. Formulated to withstand salt water marine conditions, LanoCote is particularly useful in preventing thread seizure due to all types of corrosion on boats and machinery.

Applied during assembly, LanoCote will greatly assist in easy dismantling years later. An example would be anchor shackles which are regularly immersed in salt water. LanoCote also combats galvanization where dissimilar metals are fastened together, such as stainless steel fittings on alloy masts etc.

- Prevents Thread Freeze-up
- Combats Galvanic Reaction of Dissimilar Metals
- Seals Porous Surfaces
- Neutralizes Acids, Alkalis & Salts
- Prevents Corrosion On Electronic Contacts

**The Marelon® Advantage**

Over 35 Years Of Polymer Marine Plumbing Development

Marelon® is the modern material for marine plumbing systems. Its non-corrosive proprietary formulation of polymer composite compounds uses resins and additives to produce an extremely strong marine-grade product that will not deteriorate like traditional bronze marine plumbing parts.

Our fully integrated Marelon® "93 Series" Seacocks & Thru-Hulls are designed to provide easy installation with a wide variety of valve port configurations. This allows OEM builders and installers to design systems to fit their specific needs. They also exceed ABYC compliance standards and meet all UL and ISO standards.

**Marine Grade Glass Reinforced Composite Polymer Plumbing**

- For Use Above or Below Waterline
- Extremely Builder Customizable
- Exclusive Polymer Formulation That Will Never Corrode
- Some Components Compatible With Brass/Bronze Fittings

**MARELON® COMPOSITE MARINE PLUMBING COMPONENTS**

- Seacocks
- Valves
- Thru-Hulls
- Strainers
- Vents
- Connectors
- Sink Wastes
- Deck Fills
- Drains & Drain Plugs

**A Full Range Of Marine Components**

Fully Integrated "93" Series Valves are U.L. & ISO Certified & A.B.Y.C. Compliant

**Learn More**

forespar.com/marelon

Temperature Range:
-40°F/-40°C to 176°F/80°C

Compatible With Bronze Special Order

Contact Us for Order Minimums

**Part No.** | **Model**
--- | ---
770001 | LanoCote® 4 oz. Jar
770002 | LanoCote® 7 oz. Aerosol Spray Can
770003 | LanoCote® 16 oz. Jar
770007 | LanoCote® 8 oz. Pump Spray Bottle
770035 | LanoCote® 16oz. Prop & Bottom

**Part No.** | **Description**
--- | ---
770064 | 8 oz ReFresh Atomizer Spray Deodorizer
770063 | 8 oz ReFresh Head & Tank Deodorizer
770062 | 16 oz ReFresh Cleanup Concentrate
770350 | EcoTankPro Granular 16oz

**NEW**

**Natural Green**

**Original Formula**

**New Look!**
Typical Installations

Forespar® accepts no responsibility for valve or thru-hull components which are improperly installed, tampered with or have inadequate access for service and maintenance.

Impact Strength:

- N/A 9 kJ/m²
- 13 kJ/m²

- 3480 MPa / 505,000psi
- 2700 MPa / 391,600 psi
- 3600 MPa / 522,135 psi

Flexural Modulus:

- (ISO 178)
- (ISO 527)

- 75 MPa / 10,900 psi
- 60 MPa / 8,700 psi
- 85 MPa / 12,300 psi

As to Strength Test:

- Static
- Dynamic

- 2225N / 500 lb-f
- 1500N / 337 lb-f

- Over 2225N / 500 lb-f

Marelon® Valve Components

Flange Mounting Seacocks

ForeSpar’s Flange Mounted Seacocks made with Marelon® offer superior strength and corrosion resistance compared to conventional bronze type valves. Strong, lightweight, corrosion and electrolysis free, they make the ideal thru-hull valve. Available in most common sizes and thread configurations, Marelon Seacocks can be used as replacement valves for most existing marine thru-hull fittings.

Marelon® Valves and Fittings

Almost all Marelon® valves, thru-hulls and fittings use NPSM parallel thread forms that require thread compound or Teflon® tape to seal. There are two exceptions to using parallel threads in Marelon®. Our Marelon® “HC Series” line of reducing tailpipes all employ true NPT tapered threads. The American NPSM parallel thread standard has a thread flank angle of 55˚. Identification can also be made by inspecting the root and crest of the thread. The American NPSM parallel thread standard has a thread flank angle of 55˚. The British Standard Pipe, or BSP standard for parallel threads has a thread flank angle of 55˚. Identification can also be made by inspecting the root and crest of the threads. The truncation of the root and crest of American standard threads are flat. The truncation of the root and crest of British standard threads are round.

British vs United States Parallel Thread Forms

As to Strength Test:

Static Dynamic Static

The British Standard Pipe, or BSP standard for parallel threads has a thread flank angle of 55˚. The British Standard Pipe, or BSP standard for parallel threads has a thread flank angle of 55˚. Identification can also be made by inspecting the root and crest of the threads. The truncation of the root and crest of American standard threads are flat. The truncation of the root and crest of British standard threads are round.

NOTICE: If a thru-hull is to be installed less than 6” (152.4mm) above waterline, a ball-valve or seacock must also be used.

A Word On Thread Forms

Industrial vs Marine

Industrial or household fittings typically use the NPT (National Pipe Tapered) tapered thread. The marine valves, thru-hulls, tailpipes and seacocks used in boats employ the NPSM (National Pipe Straight Mechanical) parallel thread form. Tapered industrial fittings are not intended to be joined with parallel marine fittings.

FOR THE READER

This page may contain content that is not in English. If you have any questions or need assistance, please contact us.

MARELON® INSTALLATIONS & THREAD FORMS

36

MARELON® INSTALLATIONS & THREAD FORMS

37
Marelon® 93 Series Integrated Plumbing Systems

The Modern Boat Builders System of Choice for Glass Reinforced Composite Polymer Marine Plumbing Components

Marelon® 93 Series valves come in a wide array of configurations to offer that perfect installation solution. The perfect material for marine plumbing systems, its non-corrosive proprietary formulation of polymer composite compounds uses a resin and additives to produce a superior marine-grade product that will not deteriorate like traditional bronze marine plumbing parts.

- For Use Above And Below Waterline
- Compatible With Traditional Bronze Fittings
- Precision Molded Plumbing Systems
- Complete Freedom From Corrosion
- ISO Certified 9093-2 by IMCI
- A.B.Y.C. Approved
- A.B.Y.C. Compliant

Benefits to Builders

- Lightweight, yet extremely strong injection-molded parts
- Complete freedom from any corrosion
- Complete freedom from electrolysis or reaction to any metals
- Outstanding operating temperature range (-22˚ to +176˚ F.)
- Uses in deck hardware (cleats, chocks) and marine plumbing
- Outstanding U.V. resistance and color fix
- Marelon® valves offer an unprecedented variety of designs
- Long term reliability

Benefits to the Boat Owner

- No bonding (electrical) required
- Configurations to fit tight machinery spaces
- Minimal maintenance requirements
- Ease of installation with standard tools
- Accepts adhesives and coatings (bottom paints) easily
- Can be used on aluminum, steel, wood or FRP hull forms
- Excellent chemical resistance to harsh bilge cleaners
- Can be used with or on any metal fittings
- Long term reliability

Marelon® 93 Series Threaded Valves

These valves are designed to meet the needs of builders and owners who require the benefits of the Marelon® integrated plumbing system, with female threads. These valve works great with A.N.P. thru-hulls. Forespar® offers this threaded valve in three of our most widely used configurations with N.P.S.M. or B.S.P threads.

All Marelon® Integrated Plumbing System valves come with a matched thru-hull, both of which use a buttress thread form that is very strong for synthetics. When these complete systems are ordered with either flush or mushroom non-screened thru-hulls the valves come with a cap in the handle that has a loop. This cap is an emergency thru-hull plug in case the valve must be disassembled to clear debris or be replaced completely WITHOUT HAVING TO HAUL THE BOAT.

If you want to use a Marelon® valve with an existing bronze or stainless steel thru-hull, we can (with prior notice) supply the valves with either the N.P.S.M (National Pipe Straight Mechanical) or B.S.P (British Standard Pipe) threads that typically are used with bronze or stainless steel thru-hulls.

Marelon® 93 Series Hose Barb Valves

Standard Marelon® 93 Series Hose Barb Valves allow for quick and secure hose installation through a wide array of sizes. Valves can also be configured with a combination of horizontal or vertical ports to adapt for tight hull spaces.

Hose Barb Inner (L.D.) (*93" Series only)
1/2"(12.7mm) - .462"(11.73mm)
3/4"(19.05mm) - .52"(13.20mm)
1"(25.4mm) - .790"(20.06mm)
1-1/4"(31.75mm) - 1.05"(26.67mm)
1-1/2"(38.1mm) - 1.25"(31.75mm)
2"(50.8mm) - 1.54"(39.11mm)

Arrows Indicate Water Flow Direction
**Tailpipes / Hose Connectors**

Our Tailpipes are also made from high-strength glass-reinforced Marelon®. Perfect choice for joining hose lines to Forespar® Ball Valves and Seacocks.

**Available in Black or Clear View**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Thread Size</th>
<th>Dia.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>905010</td>
<td>900111</td>
<td>1-1/2 x (30.48mm)</td>
<td>2.125(53.97mm)</td>
<td>1.385(35.19mm)</td>
<td>0.306(7.78mm)</td>
<td>0.171(4.34mm)</td>
<td>0.050(1.27mm)</td>
<td></td>
</tr>
<tr>
<td>905011</td>
<td>900112</td>
<td>1-1/4 x (34.924mm)</td>
<td>1.570(40.00mm)</td>
<td>1.070(27.18mm)</td>
<td>0.305(7.75mm)</td>
<td>0.181(4.60mm)</td>
<td>0.049(1.24mm)</td>
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</tr>
<tr>
<td>905012</td>
<td>900113</td>
<td>1 x (31.75mm)</td>
<td>1.700(43.18mm)</td>
<td>1.240(31.50mm)</td>
<td>0.310(7.87mm)</td>
<td>0.190(4.82mm)</td>
<td>0.049(1.24mm)</td>
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**Male Threads**

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<td>1.070(27.18mm)</td>
<td>0.305(7.75mm)</td>
<td>0.181(4.60mm)</td>
<td>0.049(1.24mm)</td>
<td></td>
</tr>
<tr>
<td>905203</td>
<td>900203</td>
<td>1 x (31.75mm)</td>
<td>1.700(43.18mm)</td>
<td>1.240(31.50mm)</td>
<td>0.310(7.87mm)</td>
<td>0.190(4.82mm)</td>
<td>0.049(1.24mm)</td>
<td></td>
</tr>
</tbody>
</table>

**Female Threads**

Barbed Hose Fittings

Made of high strength glass-reinforced Marelon®.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Thread Size</th>
<th>Dia.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>906014</td>
<td>900414</td>
<td>1-1/2 x (30.48mm)</td>
<td>2.125(53.97mm)</td>
<td>1.385(35.19mm)</td>
<td>0.306(7.78mm)</td>
<td>0.171(4.34mm)</td>
<td>0.050(1.27mm)</td>
<td></td>
</tr>
<tr>
<td>906015</td>
<td>900415</td>
<td>1-1/4 x (34.924mm)</td>
<td>1.570(40.00mm)</td>
<td>1.070(27.18mm)</td>
<td>0.305(7.75mm)</td>
<td>0.181(4.60mm)</td>
<td>0.049(1.24mm)</td>
<td></td>
</tr>
<tr>
<td>906016</td>
<td>900416</td>
<td>1 x (31.75mm)</td>
<td>1.700(43.18mm)</td>
<td>1.240(31.50mm)</td>
<td>0.310(7.87mm)</td>
<td>0.190(4.82mm)</td>
<td>0.049(1.24mm)</td>
<td></td>
</tr>
</tbody>
</table>

**Thru-Hull Connectors**

Forespar® series of Thru-Hull Connectors are precision molded in high strength Marelon®. Their great strength, light weight and complete freedom from corrosion and electrolysis make them the ideal Thru-Hull Connectors for use above or below the waterline. All Thru-Hull Connectors must be installed with proper bedding compound. We recommend a maximum torque setting of 20 lbf ft for Series 250, Series 251 and Series 253 Thru-Hull Connectors.

**250 SERIES**

**Full threaded flush head**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Thread Size</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>906001</td>
<td>900215</td>
<td>1/2 x (30.48mm)</td>
<td>1.800(45.72mm)</td>
</tr>
</tbody>
</table>

**251 SERIES**

**Full threaded mushroom head**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Thread Size</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>906001</td>
<td>900215</td>
<td>1/2 x (30.48mm)</td>
<td>1.800(45.72mm)</td>
</tr>
</tbody>
</table>

**253 SERIES**

**Nose/TAPEL-MUSHROOM HEAD**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Thread Size</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>906001</td>
<td>900215</td>
<td>1/2 x (30.48mm)</td>
<td>1.800(45.72mm)</td>
</tr>
</tbody>
</table>

**flush head drain**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Thread Size &amp; Hose I.D.</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>906001</td>
<td>900215</td>
<td>1/2 x (30.48mm)</td>
<td>1.800(45.72mm)</td>
</tr>
</tbody>
</table>

**corresponding dimension from above drawing**

<table>
<thead>
<tr>
<th>Series</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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</thead>
<tbody>
<tr>
<td>250</td>
<td>1/2 x (30.48mm)</td>
<td>2.045(51.91mm)</td>
<td>0.485(12.33mm)</td>
<td>0.249(6.32mm)</td>
<td>0.188(4.77mm)</td>
<td>0.198(5.02mm)</td>
<td>0.050(1.27mm)</td>
<td></td>
</tr>
<tr>
<td>251</td>
<td>1/2 x (30.48mm)</td>
<td>2.050(51.98mm)</td>
<td>0.485(12.33mm)</td>
<td>0.249(6.32mm)</td>
<td>0.188(4.77mm)</td>
<td>0.198(5.02mm)</td>
<td>0.050(1.27mm)</td>
<td></td>
</tr>
<tr>
<td>253</td>
<td>1/2 x (30.48mm)</td>
<td>2.055(51.98mm)</td>
<td>0.485(12.33mm)</td>
<td>0.249(6.32mm)</td>
<td>0.188(4.77mm)</td>
<td>0.198(5.02mm)</td>
<td>0.050(1.27mm)</td>
<td></td>
</tr>
</tbody>
</table>

**Female Threaded Barbed Hose Fittings**

Made of high strength glass-reinforced Marelon®.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Model No.</th>
<th>Thread Size</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>905014</td>
<td>900114</td>
<td>1-1/2 x (30.48mm)</td>
<td>2.125(53.97mm)</td>
</tr>
<tr>
<td>905015</td>
<td>900115</td>
<td>1-1/4 x (34.924mm)</td>
<td>1.570(40.00mm)</td>
</tr>
<tr>
<td>905016</td>
<td>900116</td>
<td>1 x (31.75mm)</td>
<td>1.700(43.18mm)</td>
</tr>
</tbody>
</table>
‘Y’ Valves & Connectors

Forespar® ‘Y’-Valves and Connectors are molded from Marelon®. Offering an improved, stronger handle design, our valves are available in 1” (25.4mm) and 1-1/2” (38.1mm) barb size. ‘Y’-Valves are an essential piece of equipment when the flow of water or other fluids are required to be conveniently diverted, as in a marine head application where a holding tank is utilized. They are easily mounted to a bulkhead. The valves are operated by a simple 120° movement. Positive stops are provided between positions. Replacement parts are available.

Our ‘Y’ Connectors can be used for connecting fluid lines. End plate may be removed for blockage relief etc. O-ring seal ensures leak free performance and is safe under pressure working conditions up to 40 P.S.I. Available with or without mounting flange.

It is Not Recommended To Install Y-Valves Below The Waterline

Flowtech™ Performance Valve

The Racer’s Choice

Flowtech™ free flow sea valves incorporate the valve body, thru-hull and the choice of all three sizes of hose pipe connections all in one set. These high performance valves are available for 3/4”(19.05mm), 1”(25.14mm) & 1-1/2”(38.1mm) hose sizes. The Flowtech™ valve pipe can be fielded smooth to the boat’s outer skin so that when the valve is closed, the internal plunger and valve pipe creates a flush, fair & fast outer surface. Made of Marelon®

Water Strainer

This water strainer is made of Marelon® (same material as our valves). It features a new universal mounting bracket and clear polycarbonate lid to allow visual inspection. The stainless steel strainer basket can be easily removed for cleaning. Intake and exit ports are 1-1/2”(38.1mm) ANP parallel threads standard. Reducers for 3/4”(19.05mm) I.D. hose are available separately. Diameter: 6.3”(160.02mm) Height: 6.1”(154.94mm). The flow rate is 40 GPM(151.41l/m) with 1-1/2”(38.1mm) ports.

Part No. Model No./Description
906166 T-150 Water Strainer
902081 T-150 Clear Bowl
902062 T-150 Gasket
902065 T-150 Mesh Screen #20 (Extra Fine)
902084 T-150 Mesh Screen #8 (Standard) 906187
T-150 Mounting Bracket

Water Strainer Reducers/Adapters

Part No. Model No./ Thread
901045 FTC II 1/2”(12.7mm) female
901046 FTC II 3/4”(19.05mm) female
901042 FTC II 1”(25.14mm) female
901044 FTC II 1-1/2”(38.1mm) female
901043 FTC II 2”(50.8mm) female
901046 FTC II 3”(76.2mm) male
901050 FTC II 1-1/2”(38.1mm) SAE 30 male
901051 FTC II 2”(50.8mm) SAE 30 male
901047 FTC II 2-1/2”(63.5mm) SAE 30 male
901048 FTC II 3”(76.2mm) SAE 30 male
901049 FTC II 4”(101.6mm) SAE 30 male
910092 RB 24-16 1-1/2”(38.1mm) male – 1-1/4”(31.75mm) male
910093 RB 24-12 1-1/2”(38.1mm) male – 1”(25.4mm) male
910083 RB 24-12 1-1/2”(38.1mm) male– 3/4”(19.05mm) female

Molded From Glycol Anti-Freeze Resistant Resin

Part No. Model No./ Description
906076 MF 810 Water Strainer
906077 MF 811 Gasket Set

MARELON® Y VALVES & FLOWTECH PERFORMANCE VALVES

PART NO.
Model No. Flange Barb Size
902000 HYC 16 Yes 1"(25.4mm)
902001 HYC 16 No 1"(25.4mm)
902004 HYC 24 Yes 1-1/2"(38.1mm)
902005 HYC 24 No 1-1/2"(38.1mm)

Male Threaded (Accept female threaded hose barb)
902007 MF 854 3/4”(19.05mm)
902008 MF 855 1”(25.14mm)

Female Threaded
902003 HYC 16 Yes 1"(25.4mm)
902004 HYC 24 No 1-1/2"(38.1mm)

Part No. Model No. Flange Barb Size
902000 MF 852 1-1/2”(38.1mm)
902001 MF 853 1”(25.4mm)
902006 ‘Y’ Valve Parts Kit (fits 1 & 1-1/2")

Flowtech™ Valve Mark II 905109 1.702 oz
Flowtech™ Valve Mark I 905106 1.502 oz

Part No. Model No. Barb Size
902006 MF 852 1-1/2”(38.1mm)
902007 MF 854 3/4”(19.05mm)
902008 MF 855 1”(25.14mm)

Water Strainer

This water strainer is made of Marelon® (same material as our valves). It features a new universal mounting bracket and clear polycarbonate lid to allow visual inspection. The stainless steel strainer basket can be easily removed for cleaning. Intake and exit ports are 1-1/2”(38.1mm) ANP parallel threads standard. Reducers for 3/4”(19.05mm) I.D. hose are available separately. Diameter: 6.3”(160.02mm) Height: 6.1”(154.94mm). The flow rate is 40 GPM(151.41l/m) with 1-1/2”(38.1mm) ports.

(SEE REDUCERS AND ADAPTERS SHOWN BELOW)

The new mounting bracket allows the strainer exit port to be positioned in the proper direction by simply loosening the bracket clamp and rotating the entire housing. This will allow the OEM or aftermarket customer greater flexibility in installation.

(SEE REDUCERS AND ADAPTERS SHOWN BELOW)

Our new Marelon T-150 Strainer provides a compact installation alternative for raw water filtration without compromising filtration rates. It features a T-Head body design and unique mounting bracket that allows the T-150 to be installed in tight or hard-to-reach locations where traditional raw water strainers will not fit. Despite its smaller size, it offers all the benefits of traditional “top basket” strainers.

The clear molded polycarbonate filter bucket screws onto the Marelon housing and offers easy viewing of the stainless steel filter basket without removal. The T-150 also features a unique flexible C clamp mounting bracket that allows the strainer to be snapped into place and rotated as needed to face any direction to fit tight spaces.

The T-150 fits 1-1/2” Female NPSM (Parallel Threads) Ports to which you can attach a straight or 90° Hose Barb Tailpipe as needed. Adaptors are also available for 3/4”, 1”, 1-1/8” & 1-1/4” fittings.

(SEE REDUCERS AND ADAPTERS SHOWN BELOW)
Remote Operated ROV™ 93 Valves
Switch Operated Valves Open And Close With Push of Button

Forestar® now offers remote operated ROV™ (Remote Operated Valves) to boat builders wishing to offer their customers the added convenience of remotely operating their seacocks without the need to go below, get on your knees and reach into the bilge to open or close the valves. Powerful sealed motors open or close the valve with a push of a button or flip of a switch. Contact Forestar for further information.

- Motor Activated, Push Button Control
- Switch Indicator Lights Confirm Valve Status
- UL Approved, ISO Certified, ABYC Compliant
- Motors Are CE Certified, RoHS Compliant & Exceed EMC Motor Directives
- Exceeds ISO Water Intrusion & Explosion Hazard Standards
- Available In 12v or 24v

OEM and ABYC Qualified Installers Only

Interlock™ Smart Valve Systems
Programmed Valve Control Automatically Protects Critical System

Forestar’s Interlock Valve Control system automatically opens and closes system valves to protect critical systems from improper valve operation commonly due to human error. A fully integrated system, it is factory set to match the boat’s requirements as requested by the builder or qualified installer. Unique programing allows the valve to control equipment or the equipment can control the valve. Owners simply flip the panel switch and powerful sealed motors open or close each valve as needed based on pre-programmed specifications. All valves used in the system are composite Marelon or the equipment can control the valve. Owners simply flip the panel switch and powerful sealed motors open or close each valve as needed based on pre-programmed specifications.

Pre-Programmed Automatic Valve Activation
- Panel Lights Confirm Valve Status At A Glance
- UL Approved, ISO Certified, ABYC Compliant
- Exceeds ISO Water Intrusion & Explosion Hazard Standards
- Motors Are CE Certified, RoHS Compliant & Exceed EMC Motor Directives
- 12v or 24v

It’s What Today’s Boaters Expect! Call Your Forestar Representative For Details

Marelon 93 Series Retail Pack Valve & Mushroom Thru-hull

For retailers, we offer 6 common valve sizes of our standard 93 Series hose barb valves in a bag package for a hanging rack display. This helps protect the product from damage caused by rough handling in common “bin” type displays and gets the product up in front of the customer to help promote in-store sales.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Hose Barb OD</th>
<th>Thru-Hull OD</th>
</tr>
</thead>
<tbody>
<tr>
<td>904042ABYC</td>
<td>Straight Barb Valve</td>
<td>1/2” 13mm</td>
<td>1 1/4” 32mm</td>
</tr>
<tr>
<td>904043ABYC</td>
<td>Straight Barb Valve</td>
<td>3/4” 19mm</td>
<td>1 1/4” 32mm</td>
</tr>
<tr>
<td>904044ABYC</td>
<td>Straight Barb Valve</td>
<td>1” 25mm</td>
<td>1 3/4” 44mm</td>
</tr>
<tr>
<td>904045ABYC</td>
<td>Straight Barb Valve</td>
<td>1 1/4” 32mm</td>
<td>1 3/4” 44mm</td>
</tr>
<tr>
<td>904046ABYC</td>
<td>Straight Barb Valve</td>
<td>1 1/2” 38mm</td>
<td>2 1/4” 57mm</td>
</tr>
<tr>
<td>904047ABYC</td>
<td>Straight Barb Valve</td>
<td>2” 51mm</td>
<td>2 1/4” 57mm</td>
</tr>
</tbody>
</table>

Engine Flush Out Valve

Engines running in salt or brackish water need to be flushed with fresh water after use to prevent costly corrosion during Winter or off-season storage. Forestar® has designed a single valve system that makes this maintenance procedure simple.

This Seacock/Y Valve configuration includes a brass garden hose connection to facilitate regular fresh water engine flushing valve includes thru-hull that must be used. A quick and easy way to flush inboard engine systems.

<table>
<thead>
<tr>
<th>Part No  Description</th>
<th>Hose Barb OD</th>
<th>Thru-Hull OD</th>
</tr>
</thead>
<tbody>
<tr>
<td>904052ABYC 90° Elbow Barb Valve 1/2”</td>
<td>1/2” 13mm</td>
<td>1 1/4” 32mm</td>
</tr>
<tr>
<td>904053ABYC 90° Elbow Barb Valve 3/4”</td>
<td>3/4” 19mm</td>
<td>1 1/4” 32mm</td>
</tr>
<tr>
<td>904054ABYC 90° Elbow Barb Valve 1”</td>
<td>1” 25mm</td>
<td>1 3/4” 44mm</td>
</tr>
<tr>
<td>904055ABYC 90° Elbow Barb Valve 1 1/4”</td>
<td>1 1/4” 32mm</td>
<td>1 3/4” 44mm</td>
</tr>
<tr>
<td>904056ABYC 90° Elbow Barb Valve 2”</td>
<td>2” 51mm</td>
<td>2 1/4” 57mm</td>
</tr>
</tbody>
</table>

Locking Handle Option

Forestar offers an optional locking plate installed at the factory on any “93” series Integrated Seacocks. These new locking plates allow the handle to be set in the closed position and a pad-lock used to positively lock the valve closed. This new feature will satisfy the USCG requirements for locking overboard discharged head system seacocks in the closed, no discharge position.

Locking handle option for integrated Seacocks 1”(25.4mm) through 2”(50.8mm) sizes. Note: Cannot be ordered separately. Must be ordered with a 93 Series Valve.

<table>
<thead>
<tr>
<th>Part No  Description</th>
<th>Hose Barb OD</th>
<th>Thru-Hull OD</th>
</tr>
</thead>
<tbody>
<tr>
<td>930136 Optional handle lock for 1”(25.4mm) &amp; 1 1/4”(31.7mm)</td>
<td>1”</td>
<td>307474</td>
</tr>
<tr>
<td>930137 Optional handle lock for 1 1/2”(38.1mm) &amp; 2”(50.8mm)</td>
<td>1 1/2” &amp; 2”</td>
<td>307476</td>
</tr>
</tbody>
</table>

Note: - Forestar does not supply the padlock. Valve locks are not sold separately and are not a retrofit item.
Scoop Strainers

These high-strength, high-speed strainers are also made of non-corrosive Marelon®. Two-piece construction allows for greater ease in installation. Available in 3/4”(19.05mm) and 1-1/4”(31.75mm) thread sizes. Note: The thru-hull and scoop are separate parts.

Part No. Model No. Thread Size A B C D
906059 MF 867 3/4” 1-5/8"(41.27mm) 2-15/16"(74.42mm) 1-25/32"(65.24mm) 1-5/16"(33.33mm)
906060 MF 888 1-1/4” 1-1/8"(31.75mm) 2-15/16"(74.42mm) 1-25/32"(65.24mm) 1-5/16"(33.33mm)
906061 MF 865 3/4” screen only
906062 MF 866 1-1/4” screen only

Screens only can be epoxied to the hull to eliminate additional holes in the gel-coat. Scoop screens can also be used over other thru-hulls (flush head styles are best) whenever a force feed is required.

Anti-Venturi T-Hull

Not For Sale Separately. This Thru-Hull Has Buttscrew Thread and is Only Compatible with 93 Series Valves - See Pages 3-6. To Order This Option Add a “V” After the Valve’s 6 Digit Part Number.

Custom toled by Forespar®, these new thru-hulls have been tested on boats at varying rpm’s and turn rates up to 45 mph. On a 3/4” generator intake line with this thru-hull fitted, 0” to ~5” of vacuum was noted. This did not present a pressure situation which could potentially push water past the vanes of an older impeller and flood the cylinders or starve it of cooling water. The unique notch and lowered ramp in the leading edge (photo-front) provides a force-feed effect. To keep this force from overwhelming equipment impellers, the exit slot allows water flow to exit at a controlled rate. Installed (photo-front) provides a force-feed effect. To keep this force from overwhelming equipment impellers, the exit slot allows water flow to exit at a controlled rate. Installed

Vented Loops

Installing one of our vented loops will ensure that fluids will not siphon from tank to tank. Vented Loops are commonly used in the marine toilet system and engine cooling system. The simple integrated system flanged seacocks only.

3/4”. These have the Integrated Plumbing Systems buttress style thread-form to fit the Integrated Plumbing Systems seacocks (“93” series flange style valves) is available now in

Part No. No. Size  Height Width
903000 MF 840 1-1/2”(38.1mm) 5-1/4”(133.35mm) 7-3/4”(196.85mm)
903001 MF 841 Vent Cap Assembly
903002 MF 841 White Vent Cap Assembly
903003 MF 843 5/8”(15.87mm) 4-1/16”(104.76mm) 4"(101.6mm)
903004 MF 846 Vent Barb Assembly
903007 MF 844 1”(25.4mm) 7’(177.8mm) 9”(228.6mm)
903007W MF 844 White 1”(25.4mm) 7’(177.8mm) 9”(228.6mm)
903008 MF 845 1-1/2”(38.1mm) 7-3/4”(196.85mm) 9”(228.6mm)
903009 MF 846 White 1-1/2”(38.1mm) 7’(177.8mm) 9”(228.6mm)
903010 MF 847 1-1/8”(28.57mm) 7’(177.8mm) 9”(228.6mm)
903011 MF 830 3/4”(19.05mm) 4-1/2”(114.3mm) 3-3/4”(95.25mm)
903011W MF 830 White 3/4”(19.05mm) 4-1/2”(114.3mm) 3-3/4”(95.25mm)
903018 MF 847 1-1/8”(28.57mm) 7’(177.8mm) 9”(228.6mm)
903019 MF 848 1-1/4”(31.75mm) 7’(177.8mm) 9”(228.6mm)
903019W MF 848 White 1-1/4”(31.75mm) 7’(177.8mm) 9”(228.6mm)
903020 MF 849 1-1/2”(38.1mm) 5-1/8”(129.53mm) 7-1/4”(184.14mm)
903021 MF 850 1”(25.4mm) 4-1/4”(107.95mm) 5-1/4”(133.35mm)
903022 MF 851 1-1/4”(31.75mm) 4-1/8”(104.76mm) 5-3/8”(137.47mm)
903023 MF 852 1-1/2”(38.1mm) 5-7/8”(150.08mm) 6-3/8”(163.45mm)
903024 MF 853 2”(50.8mm) 7-1/4”(184.14mm) 10-1/2”(267.94mm)

Garboard Drains

For newer, thicker transoms, Forespar® designed a drain & plug assembly to fit up to 1-3/4”(44.45mm) thick transoms. Our Marelon® female 3/4”(19.05mm) elbows or female threaded barbed hose fitting (see page 40) can be screwed onto the end for hose attachment if needed. All Marelon® construction insures years of corrosion free use.

Part No. Description
906081 GARBOARD DRAIN
906075 GARBOARD DRAIN (Short)
906076 GARBOARD DRAIN (Long)
906091 NEW GARBOARD DRAIN Black 2” dia.
906092 NEW GARBOARD DRAIN White 2” dia.

• GD-S #906075 (short) Usable length with 5 threads engaged is 2-1/2” (63.5mm) maximum, 1-7/16” (36.16mm) minimum.
• GD-L #906076 (long) Usable length with 5 threads engaged is 3-1/4” (82.55mm) maximum, 2-1/2” (63.5mm) minimum.
• Diameter of the flange (both ends) is 2” (50.8mm). Diameter of the body (female threaded unit) is 1-3/16” (30.16mm).

Outboard Well Drain

The Forespar® outboard well drain offers a corrosion proof, easy-to-install replacement for the old fashioned brass fitting. Can also be used as a chafe guard to lead hose, wiring, steering cables, etc. through bulkheads, floor timbers and fiberglass panels. Baits on O.D. ensure positive locking action. Designed to fit 1”(25.4mm) diameter hole.

Part No. Model No
907002 MF 830 F Fuel
907003 MF 830 W Water
907004 MF 830 WST Waste
153000 Waste Adapter for 1-1/2”(38.1mm) ID hose.

Deck Fills

Molded in Marelon® for lifetime durability, Forespar® Deck fills are available in three color-coded models. Each clearly marked for use with either water, fuel or waste. Easy-open cap is fitted with nylon retainer cord and rubber “O”-ring to ensure a safe and efficient seal. Suitable for 1-1/2”(38.1mm) ID hose.

Part No. No. For use with:
907002 MF 830 F Fuel
907003 MF 830 W Water
907004 MF 830 WST Waste
153000 Waste Adapter for 1-1/2”(38.1mm) ID hose.

Utility Drain D-1

Fully threaded acetal utility drain. Thread length: 1-3/8”(34.92mm) Thread size: 1/2”(12.7mm)

Part No. Model No
907028 D-1

Drain Plug

Molded from Forespar’s Marelon® and fitted with a neoprene seal, the Forespar® Drain Plug is carefully designed to not deteriorate and crack with age.
**Sink Wastes**

Available in straight and 90° configurations, these drains are designed for 1" and 3/4" tubing. Models SW-3, SW-4 and SW-6 are bright chrome plated, non-corrosive plastic.

**Tank Vent**

A new idea in fuel tank vents. For hulls with solid cores only. Unit press-fits into 3/4" (19.5mm) hole without the need of a nut. The stainless steel screen will not corrode and has no plating to chip.

**Typical Tank Vent Installation**

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Vent Pipe
3/4"(19.5mm) Hole In Wall
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**LEISURE FURL IN-BOOM FURLING**

Leisure Furl booms are custom made to order in the United States. Forespar is backed with 30+ years of experience and a reputation for delivering the highest quality spars and booms for the blue water cruisers and everyday sailors alike.

**Why Should I Choose Leisure Furl?**

- **Safety** - With all lines leading aft, Leisure Furl gives you the ability to reef and control the main from the safety of the cockpit. Leisure Furl eliminates the need for complicated lazy jacks or sending crew forward in heavy weather.

- **Ease of Use** - Hoisting, furling or reefing is a one-person operation.

- **Reefing** - Allows infinite reefing positions on all points of sail.

- **Appearance** - The sail furls neatly and compactly into the boom, protecting the sail from harmful ultraviolet rays. Each boom is elegantly tapered for good looks and weight-savings.

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**SAIL-SHAPING ADVANTAGES OF LEISURE FURL**

1. Leisure Furl’s built-in controls ensure that sail shape is maximized when at full hoist or furled. They allow for efficient and uncompromising performance from all points of sail and enable infinite reefing positions.

2. Leisure Furl allows mainsail control at any point of hoist. A perfect sail shape is ensured by the built-in sail controls.

3. Leisure Furl offers complete control over foot shape and luff tension, without the need of a cunningham or outhaul. Full-length battens give shape and power to even an old sail.

4. Leisure Furl enables a full reach in most cases, as opposed to the hollow cut leeches of most in-mast systems.

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**LEISURE FURL IN-BOOM FURLING™**

Leisure Furl™ in-boom furling systems offer the advantages of in-boom furling, including the ability to accommodate large roach mainsails as used on multihulls.
When I ordered my new Catalina 42 this spring, I investigated boom-furling systems. I quickly learned that Leisure Furl is the leader. I have not been disappointed in my choice. Our light, fast, compact, well-engineered system has performed flawlessly for long passages. The internal ratchet allows the gooseneck fitting to be adjusted and locked in place for long passages.

Leisure Furl™ FEATURES
- Each boom is custom engineered and fabricated for your boat
- Each boom is elegantly tapered for attractiveness and weight savings
- Easily fitted to an existing mast without the need to unstep your mast
- Spar grade 6005 T5 heat treated aluminum alloy extrusions for superior strength
- All gooseneck fittings are high-strength 17-4 investment cast stainless steel

Limited 5-Year Warranty

Leisure Furl™ Options Include
- Aluminium Construction
- Carbon Fiber Construction
- Hydraulic or Electric Drive
- Anodized or painted in any Awlgrip® Color

Built-in Sail Cover
Each Leisure Furl™ boom comes standard with a built-in sail cover for convenience and ease of handling. The Sunbrella® sail cover protects the sail from the harmful elements.

Manual Overide
Each offshore system has a built-in manual backup in case of hydraulic or furling line failure. Winch handle control is easily accomplished at the mast. The internal ratchet allows the system to be reconfigured in place for long passages.

Load Points
Leisure Furl’s unique design offers 3 separate load bearing points. The manual and boom loads are distributed primarily to the man/end and drive shaft bearing while the mainsheet and vang loads are carried by the gooseneck fitting.

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AWNING POLES
For TAP 3-4, TAP 4-5, 6-12, 9-12, 10-12 HD and 6-12 HD
Part No. Model No./Description
504030 End Kit

MAST CARS
Part No. Model No./Description
333100 Toggle/Notchless assembly
331010 Plastic Runners

IC-12/IC-12-P
Part No. Model No./Description
332003 ET-4 Pole
332005 Hinge Pin
331013 Plastic Runners

DECK CHOCKS
Part No. Model No./Description
332007 DC-2 Spool replacement spool only
330050 DC-7B Post replacement post only

DECK FILLS
Part No. Model No./Description
907024 Red Fuel Cap
907025 Blue Water Cap
907028 Black Waste Cap

SPINNAKERS
For EL-150 thru EC-200-EF
Part No. Model No./Description
408025 Repair Kit

DECK FILLS
For XP-200 thru XP-450-EF
Part No. Model No./Description
304018 UEF-5 outboard end
304027 UEF-3 and 332110 Plastic Runners

For TS-200 thru TS-1450
Part No. Model No./Description
300027 Repair Kit

MAST LIGHTS
ML-1
Part No. Description
153204 Deck Flange
153204 Base Mount
153207 33” extension
153232 Plug for Deck Flange
153230 Transom Ring Mount (Flower)
153239 Storage Bag

ML-2
Part No. Description
153101 Deck Flange
153107 Base Mount
153109 Vinyl Bag

ML-3
Part No. Description
153130 Deck Flange
153300 Base Mount
153305 33” extension
153307 Plug for Deck Flange
153320 Transom Ring Mount (Flower)
153329 Storage Bag

ML-4
Part No. Description
153364 Upper Mount
153361 Lower Mount
153354 Tube Assembly

LED LIGHTS
Part No. Description
304030 Ultra LED - Repair Kit
304032 UTR 200 & 250 - Repair Kit

SAFETY GEAR
On 10, 16, 19-23 Overboard Poles
Part No. Model No./Description
202008 Flag
202125 Stainless Steel Clip
202020 Replacement Top Half With Flag

QUIK DAFT™
Part No. Description
153475 Davit Head Kit (sold in pairs)
153476 Dinghy Davit Kit (sold in pairs)
153477 Fast Kit™
153478 Universal Adhesive Kit

NOVA LIFT
Part No. Model No./Description
1533864A Upper Arm Assembly
152584A Lower Mount Tubing Assembly

THRU-HULL PARTS
Part No. Description
907007 CF24 12” nut only
907008 CF24 14” nut only
907009 CF24 16” nut only
907010 CF24 18” nut only
907011 CF24 1 1/4” nut only
907012 CF24 1 1/2” nut only
907013 CF24 2” nut only
403125 Small Molt Plug (DE only)
403135 Large Molt Plug (DE only)

RALFAST®
Part No. Description
022006 Screw 3/8”
156505 Base-Fiberglass
156502 Bracket stop
156503 Pin-squared
156505 Bracket-shim-7/8”
156506 Allen wrench
156508 Boss cover

WHISKER POLES
ADF-4
Part No. Model No./Description
300026 Repair Kit
400006 Lock Repair Kit
400101 7/8” inner tube w/ lock
504002 1” outer tube

MARELON® PLUMBING SYSTEM PARTS
Parts No. Model No./Description
903072 Cap/Plug/Burg
903073 Cap/Plug/Burg
903074 Cap/Plug/Burg

LINE CONTROL™ WHISKER POLES
Replacement Inboard Ends
LC 10-10
Part No. Model No./Description
401035 EL-250 - LE EF

LC 13-22
Part No. Model No./Description
403007 EL-360 - LF EF
304038 Ultra Collar

LC 13-24
Part No. Model No./Description
403104 LCC-1 Collar

LC 15-27
Part No. Model No./Description
405010 LCC-2 Collar

TILLER EXTENSIONS
Part No. Model No./Description
104004 TFP - Assembly w/ Socket
104006 TFP - Socket (Receptacle) Only

QUALITY COMPONENTS
Whatever you order, you’ll receive more for your money from Forespar. For example, we use Spectron 12 composite line on our bridles and heavy duty vinyl on our lanyard wire, not the thin coated type for sailmakers. Our castings are prime type-306 aluminum, alloy heat treated to T-6 condition for strength and a higher coefficient of elongation. This means a reduction in brittleness without reducing the heat treated strength.

SUPERIOR ANODIZING
The clear anodizing used on our tubing meets military specifications, which means approximately three times the coating thickness of “commercial” grade anodizing. Our end fittings, where corrosion resistance is particularly important, are carefully machined, extensively deburred and then finished with a high quality, hard coat finish of 2 mil. minimum thickness anodizing. Our fittings are not dyed or painted or stained to cover up lesser quality, and we invite you to compare Forespar’s fittings with those of any other manufacturer.

ORDERING OPTIONS
1. CUSTOMIZED: Poles may be ordered to the specific length required for your boat. Simply specify our Model No. and the exact overall length required.
2. “KIT” FORM: Everything for a complete pole job is included in our “Kit” packages. The tubing is supplied in the measured length you’ve recommended for the particular recommender ordered. One end fitting is left unassembled so that the tubing can be cut to length, before final customizing. By keeping an inventory of kit poles, you can quickly and easily customize them to whatever length your customer requires. This eliminates “single item” freight costs and keeps your customer happy with fast immediate service.
3. FITTINGS AND TUBING: If you have the know how, and the simple tools necessary, you can order the component parts and save money by doing the assembly yourself. Simply specify the model numbers of the end fittings and tubing sizes required.

PACKING
Every boom or strut is individually packed in its own shipping container for maximum protection and a “new” look when it arrives at its destination. Multi-packed items are protected by individual polyethylene bags.

CONTACTS
Customer Service:
sales@forespar.com
Leisure Fuel:
tom@forespar.com

Forespar Products Corp. warrants all products manufactured by it to be free from defects in materials and workmanship under normal use and with normal maintenance for a period of thirty six (36) months from the date of initial retail sale*. The Limited Warranty is extended only to the original retail purchaser and does not run to any subsequent purchaser. Proof of purchase is required.

2 It is a condition of this Limited Warranty that the product has been given reasonable care, and that it has not been subjected to accident, misuse, negligence, misuse including undertaking for performance required or from unauthorized alterations.

3 All claims under this Limited Warranty must be made directly to Forespar Products Corp. at the address set forth within thirty (30) days after discovery of the defect. Defective products, if returned, may be required to be returned to its factory for examination, transportation charges prepaid.

4 The obligations of Forespar Products Corp. under this Limited Warranty are limited to repairing or replacing such products which shall be determined by Forespar Products Corp. to be defective in materials or workmanship. Forespar Products Corp. does not under any circumstances assume responsibility for any incidental or consequential damages incurred in the use of its products.

5 Forespar Products Corp. reserves the right to improve its products through changes in design and material without incurring any obligation to incorporate such changes in products already completed or in the hands of purchasers.

6 EXCLUSION OF WARRANTIES: This Limited Warranty is in lieu of all other express Warranties, and shall expire thirty (36) months from the date of initial retail sale. Any implied Warranty, including the Warranty of Merchantability and Fitness for a particular purpose, is limited to the duration of this Limited Warranty.

7 Some states do ask allow limitations on how long an implied Warranty lasts and the exclusions of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

8 The following Items are excluded from this warranty: Spar Systems and Electrical Bulbs (read lights & stove lights).

*Some products are subject to limitation of warranty duration and are so identified in the product description.
POWER BOAT & SAILBOAT EQUIPMENT

Part# 100017 - Updated 6/10