

# **FORESPAR**<sup>®</sup>

## *Downwind Poles*



## **Smoother, Faster Downwind Sailing**

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.

Jibs | Genoas | Asymetrics | Spinnakers

## 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 its 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 guideline 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](http://www.forespar.com) or call for advice.

#### Working Jib

Boat Length:	Light to Mod. Air	Mod. to Heavy Air
Up to 28 ft.	Twist Lock 4'-12'	Twist Lock 4'-12'
28 ft to 46 ft.	Line Control 10'-24'	Line Control 10'-24'
Up to 50 ft.	Line Control 15'-27'	Line Control 15'-27'
50ft and Over	Custom Carbon Line Control - Please contact Forespar for advise on ordering a pole of this size	

#### Genoa

Light to Mod. Air	Mod. to Heavy Air
Twist Lock 6'-12'	Twist Lock 6'-12'
Line Control 10'-24'	Line Control 12'-27'
Line Control 15'-27'	Carbon Fiber Custom Poles

## Spinnaker Poles

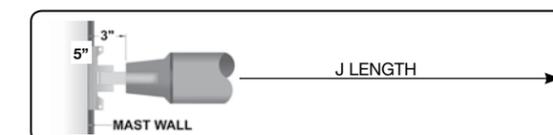
An Essential Component For Any Traditional Symmetrical Spinnaker

We offer a complete and diverse line of spinnaker poles in aluminum or carbon fiber. Each pole can be created using your choice of pole ends or mast connections. We manufacture eight complete end styles from which we create a multitude of combinations to fit the needs of all sailors - racer or cruiser.

- Perfect For Maximized Downwind Performance
- Allows for Extremely Deep Sailing Angles
- Easily Customized To Meet Your Specifications

### 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.



For Complete Size Recommendation Goto: [www.forespar.com/techtips](http://www.forespar.com/techtips)

### 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

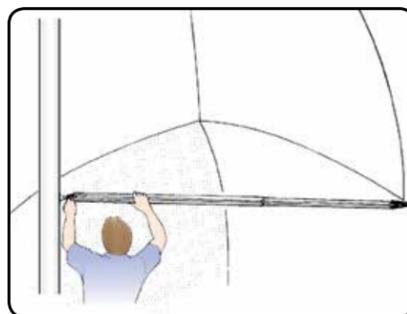
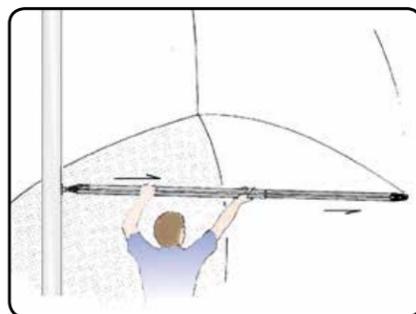


Our most popular Whisker Pole, the Line Control™ is a telescoping adjustable length whisker pole design only available from Forespar®. This simple system allows you to quickly and easily extend or retract the pole with the pull of a line. All length adjustments are made from the mast end of the pole 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\*

### Working Jib

Boat Length:	Light to Mod. Air	Mod. to Heavy Air
Up to 33 ft.	LC 10-18	LC 10'-18'
Up to 35 ft.	LC 12'-22'	LC 12'-22'
Up to 46 ft.	LC 13'-24'	LC 13'-24'
Up to 50 ft.	LC 15'-27'	LC 15'-27'

### Genoa

Light to Mod. Air	Mod. to Heavy Air
LC 10'-18'	LC 12'-22'
LC 12'-22'	LC 13'-24'
LC 13'-24'	LC 15'-27'
LC 15'-27'	Carbon Fiber Custom Poles

## Line Control Pole Configurations



### 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



EL Inboard End Style For Listed Models Below (Not Sold Separately) See Pg 10 for Additional End Fitting Styles

## Models, Specs & Recommended End Fittings

See Pages 11 to 13 for Corresponding Pole End Fittings & Accessory Details\*

Part #	LC Model #	End Fittings		Recommended Mast Fittings	Collapsed Length / Weight	Max. Working Length	Tubing Diameters
		Inboard	Outboard				
401106	LC 10-18 EL-UXP	EL-UXP	UXP	PE-3SC, RC-125, FC-125	121.75"/17 lbs.	218.13"	2" & 2-1/2"
401107	LC 10-18 EL-UTR	EL	UTR	PE-3SC, RC-125, FC-125	121.75"/17 lbs.	218.13"	2" & 2-1/2"
402200	LC 12-22 UXP-UTR	UXP	UTR	RC-125, FC-125	148.50"/27 lbs.	265.25"	2-1/2" & 3"
402201	LC 12-22 UTS-UTR	UTS	UTR	T-125-S	148.50"/28 lbs.	265.25"	2-1/2" & 3"
800802	LC 12-22 UTS-UTR-CF	UTS	UTR	T-125-S	148.50"/19 lbs.	265.25"	2-1/2" & 3"
402203	LC 12-22 COMBO	UTS	UTR	T-125-S	148.50"/24 lbs.	265.25"	2-1/2" & 3"
403200	LC 13-24 UXP-UXP	UXP	UXP	RC-125, FC-125	162.00"/38 lbs.	272.00"	3" & 3-1/2"
403202	LC 13-24 UTS-UTR	UTS	UTR	T-125-S	162.00"/39 lbs.	272.00"	3" & 3-1/2"
800800	LC 13-24 UTS-UTR-CF	UTS	UTR	T-125-S	162.00"/24 lbs.	272.00"	3" & 3-1/2"
403203	LC 13-24 COMBO	UTS	UTR	T-125-S	162.00"/34 lbs.	272.00"	3" & 3-1/2"
405200	LC 15-27 UTS-UXP	UTS	UXP	T-125-S	182.00"/58 lbs.	324.00"	3-1/2" & 4"
405201	LC 15-27 UTS-UTR	UTS	UTR	T-125-S	182.00"/58 lbs.	324.00"	3-1/2" & 4"
800801	LC 15-27 UTS-UTR-CF	UTS	UTR	T-125-S	182.00"/32 lbs.	324.00"	3-1/2" & 4"
405203	LC 15-27 COMBO	UTS	UTR	T-125-S	182.00"/42 lbs.	324.00"	3-1/2" & 4"

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

# Whisker Poles



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

## 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. Tightened, 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.

**Twist Lock Repair Components - See Page 16**

### 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.



ADJ-DL - #404100 Shown



ADJ - #404000 Shown

#### 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

Part #	Model #	Size/Weight
404000	ADJ 4-8	Spike fitting on one end - Telescopes from 53" to 93" - 1" outer diameter
404100	ADJ DL 4-8	Double Latch (DL) fittings on both ends - Telescopes from 53" to 93" - 1" outer dia.
406000	ADJ 6-12	Spike fitting on one end - Telescopes from 72" to 134" - 1-1/4" outer diameter
406100	ADJ DL 6-12	Double Latch (DL) fittings on both ends - Telescopes from 72" to 134" - 1-1/4" outer dia.
404011	PE-1	Pad Eye Only

### Small Twist Lock End Repair Kit

Part #	Model #	Size/Weight
300026	ADJ 4-8	Replacement End Kit
300027	ADJ 6-12	Replacement End Kit



### 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 - Page 12) are recommended.



Part #	Model #	Size/Weight
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



## Full Carbon "Velocity" Pole

Our new Velocity™ Series offers an affordable two-piece telescoping carbon fiber whisker poles that quickly adjust 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. They can also be customized with a high gloss clear coat.

- Two-Piece Full Carbon Fiber Construction
- Mast End Line Controlled Length Adjustment
- Extremely Lightweight for Easy Deployment & Storage
- Standard Matte or Custom Glossy Finish Available

Part #	Model/Length	Inbrd/Otbrd End
800803	12-22 12' to 22' Length Extension - Double External Trip Ends	UXP/UXP
800805	12-22 13' to 24' Length Extension - With Toggle (TS) Mast End	UTS/UXP
800804	13-24 13' to 24' Length Extension - Double External Trip Ends	UXP/UXP
800805	13-24 12' to 22' Length Extension - With Toggle (TS) Mast End	UTS/UXP

See Pages 11 to 16 for Corresponding Pole End, Mast Fittings & Accessories

## Tri-Reacher Pole



For use on boats 31 to 40 feet in length, the Tri-Reacher 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
- Weighs just 19 pounds
- All Aluminum with Polymer Ultra Ends

Part #	Description
408201	Tri-Reacher UXP - UXP - Double External Trip Ends
408200	Tri-Reacher UTS - UXP - With Toggle (TS) Mast End

See Pages 13 for Corresponding Mast Fittings & Accessories

# Spinnaker Poles

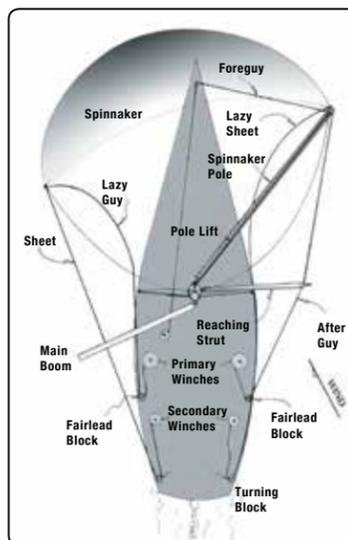


## Carbon or Aluminum Spinnaker Poles

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

Conventional Spinnaker Set-Up  
Varies by Boat Model,  
Size and Sail Type



### Determining Pole Length

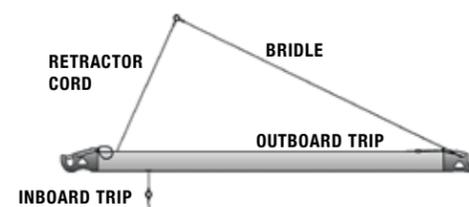
The length of your spinnaker pole is determined by the yacht's "J" measurement. This is the straight line distance from the front of the mast at deck level to the headstay. The "J" measurement is available from your sailplan, or contact Forespar and we will be able to assist you in determining the proper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



**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.

### 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 only featuring internal outboard-end trip lines and a retractable topping lift.



Part #	Description
300032	Retractable Bridle Option

## Standard Spinnaker Poles

The #1 selling Spinnaker pole in the world, our "Standard" durable aluminum poles come in a variety lengths, diameters and end configurations. Pole length and ends can be selected to fit your needs no matter if you do end-to-end or dip style jibes.

Part #.	Model	Weight	Dia.	Max Length	Description
304100	UXP-150-UXP	6 lbs.	1 1/2"	7'-8"	ULTRA UXP fitting both ends.
304101	UXP-200-UXP	10 lbs.	2"	9'-6"	ULTRA UXP fitting both ends.
304102	UXP-200-UTR	11 lbs.	2"	9'-6"	ULTRA Trigger one end/ULTRA Piston other.
304103	UTR-200-UTR	11 lbs.	2"	9'-6"	ULTRA Trigger fitting both ends.
304104	UXP-250-UXP	14 lbs.	2 1/2"	11'-6"	ULTRA UXP fitting both ends.
304105	UTR-250-UXP	15 lbs.	2 1/2"	11'-6"	ULTRA Trigger one end/ULTRA Piston other.
304106	UTR-250-UTR	15 lbs.	2 1/2"	11'-6"	ULTRA Trigger fitting both ends.
304107	UXP-300-UXP	18 lbs.	3"	13'-6"	ULTRA UXP fitting both ends.
304108	UTR-300-UXP	19 lbs.	3"	13'-6"	ULTRA Trigger one end/ULTRA Piston other.
304109	UTR-300-UTR	19 lbs.	3"	13'-6"	ULTRA Trigger fitting both ends.
304110	UXP-350-UXP	33 lbs.	3 1/2"	15'-5"	ULTRA UXP fitting both ends.
304111	UTR-350-UXP	33 lbs.	3 1/2"	15'-5"	ULTRA Trigger one end/ULTRA Piston other.
304112	UTR-350-UTR	34 lbs.	3 1/2"	15'-5"	ULTRA Trigger fitting both ends.

## Small Boat Pole Kits

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



Part #	Model #	Size/Weight
303600	Mini-6	1" dia.-6' Kit/4 lbs.
303700	Mini-7	1-1/4" dia.-7' Kit/4.5 lbs.

## Offshore Spinnaker Poles

Part #	Model	Weight	Length	Description
302028	TS-300-GP	22 lbs.	14'	Socket Inboard/GP Outboard.
304115	UTS-300-UTR	18 lbs.	13.5'	ULTRA Socket Inboard/ULTRA Trigger Outboard.
304116	UTS-300-UGPS	19 lbs.	13.5'	ULTRA Socket inboard/ULTRA GPS Outboard.
302032	TS-350-GP	35 lbs.	15.5'	Socket Inboard/GP Outboard.
304117	UTS-350-UTR	33 lbs.	15'	ULTRA Socket Inboard/ULTRA Trigger Outboard.
304118	UTS-350-UGPS	34 lbs.	15'	ULTRA Socket inboard/ULTRA GPS Outboard.
302036	TS-400-GP	47 lbs.	19'	Socket Inboard/GP Outboard.
304119	UTS-400-UGPS	44 lbs.	18.5'	ULTRA Socket Inboard/ULTRA GPS Outboard.
302040	TS-450-GP	52 lbs.	21'	Socket Inboard/GP Outboard.
304120	UTS-450-UGPS	49 lbs.	20.5'	ULTRA Socket Inboard/ULTRA GPS Outboard.

All Require T-125-S or T-150-A Toggle TS Style Mast Connection - See Page 13

### Custom 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 Coated
- Awlgrip™ Painted Pole for the Best UV and Impact Protection



### Straight Non-Tapered Tubes

Part #	O.D.	Total Weight	Fittings	Bridles	Length	Finish
800901	2.0"	4 lbs.	UXP-UXP	Double	10.0'	EZ Grip
800101	2.5"	4.5 lbs.	UXP-UXP	Double	12.0'	EZ Grip
800102	2.5"	4.5 lbs.	UTR-UTR	Double	12.0'	EZ Grip
800201	3.0"	8 lbs.	UXP-UXP	Double	14.0'	EZ Grip
800202	3.0"	8 lbs.	UTR-UTR	Double	14.0'	EZ Grip
800203	3.0"	9.5 lbs.	UTS-UTR	Double	14.0'	EZ Grip
800301	3.5"	11.5 lbs.	UTR-UTR	Double	16.5'	EZ Grip
800302	3.5"	11.5 lbs.	UXP-UXP	Custom	16.5'	EZ Grip
800303	3.5"	12 lbs.	UTS-UTR	Custom	16.5'	EZ Grip
800304	3.5"	14 lbs.	UTS-UGPS	Custom	16.5'	EZ Grip
800404	4.0"	20 lbs.	UTS-GP	Custom	18.5'	EZ Grip
800405	4.0"	21 lbs.	UTS-UGPS	Custom	18.5'	EZ Grip
800501	4.5"	25 lbs.	UTS-GP	Custom	22.5'	EZ Grip
800503	4.5"	26 lbs.	UTS-UGPS	Custom	22.5'	EZ Grip

### Double Tapered Tubes

800502	4.5" to 3.5"		UTS-UTR	Custom	22.5'	EZ Grip
800504	4.5" to 3.5"		UTS-GP	Custom	22.5'	EZ Grip
800505	4.5" to 3.5"		UTS-UGPS	Custom	22.5'	EZ Grip
800601	5.0" to 3.5"		TS-GP	Custom	24.5'	EZ Grip
800701	6.0" to 4.0"		TS-GP	Custom	28.5'	EZ Grip

## 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 light weight, 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. Maximum boat LOA outboard end - 43'. Maximum boat LOA inboard end - 36'. Available with or without auto-triggers. All larger boats use GP Series fittings.

- 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 Eyestraps Included

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

### UXP External Trip Ends & EL Inboard End Fitting

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.

Model	Gray Part #	Black Part #	Fits Pole Dia.	Tube I.D.	Length	Weight
UXP-150-EF	304054	304054B	1.5"	1.370"	2.750"	6.97 oz.
UXP-200-EF	304050	304050B	2.0"	1.870"	2.750"	6.97 oz.
UXP-250-EF	304051	304051B	2.5"	2.334"	3.125"	9.25 oz.
UXP-300-EF	304052	304052B	3.0"	2.835"	3.000"	11.92 oz.
UXP-350-EF	304053	304053B	3.5"	3.260"	3.625"	15.72 oz.

### 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.

Model	Gray Part #	Black Part #	Fits Pole Dia.	Tube I.D.	Length	Weight
UXTR-200	304090	304090B	2.0"	1.870"	2.750"	6.0 oz.
UXTR-250	304091	304091B	2.5"	2.334"	3.125"	9.25 oz.

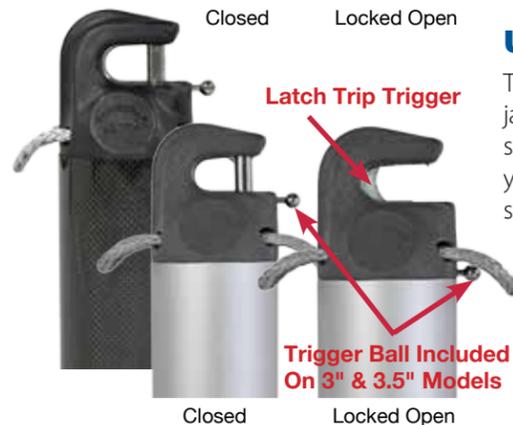
### UTR Automatic Internal Trip Line Ends

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.

Model	Gray Part #	Black Part #	Fits Pole Dia.	Tube I.D.	Length	Weight
UTR-200-EF	304060	304060B	2.0"	1.870"	2.750"	6.97 oz.
UTR-250-EF	304061	304061B	2.5"	2.334"	3.125"	9.25 oz.
UTR-300-EF	304062	304062B	3.0"	2.835"	3.000"	11.92 oz.
UTR-350-EF	304063	304063B	3.5"	3.260"	3.625"	15.72 oz.



Closed Locked Open



Closed Locked Open

## 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 throat liner for long-term durability. **All Grand Prix poles are custom made, please call for details.**



UGPS

Max Boat Length 60'

GP

Max Boat Length 75'

### Grand Prix Ultra Series™ Ends

Part #	Model	Tube Dia.	Tube I.D.	Weight w/o trip	Fitting Length
304021	UGPS-300-EF-ULTRA	3.0"	2.835"	2 lb 6 oz	5.00"
304022	UGPS-350-EF-ULTRA	3.5"	3.260"	2 lb 9 oz	5.625"
304023	UGPS-400-EF-ULTRA	4.0"	3.750"	2 lb 3 oz	5.625"
304024	UGPS-450-EF-ULTRA	4.5"	4.260"	3 lb 3 oz	5.1875"

### Grand Prix Ends

Part #	Model	Tube Dia.	Tube I.D.	Weight w/o trip	Fitting Length
309030	GP-300-EF (Aluminum)	3.0"	2.835"	2 lb 12 oz	5.00"
309033	GP-350-EF (Aluminum)	3.5"	3.260"	3 lb 6 oz	5.625"
309035	GP-400-EF (Aluminum)	4.0"	3.750"	3 lb 14 oz	5.625"
309038	GP-450-EF (Aluminum)	4.5"	4.260"	4 lb 13 oz	5.1875"

## 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



Requires TS Toggle Style Mast Connection - See Pg 13

Part #	Model #	Dia.	Tube I.D.	Weight
309028	TS-300-EF (Aluminum)	3.0"	2.835"	1 lb 10 oz
304080	UTS-300-ULTRA	3.0"	2.835"	1 lb 4 oz
309031	TS-350-EF (Aluminum)	3.5"	3.260"	1 lb 13 oz
304081	UTS-350-ULTRA	3.5"	3.260"	1 lb 7 oz
405006	TS-400-EF (Aluminum)	4.0"	3.750"	2 lb 2 oz
309036	TS-450-EF (Aluminum)	4.5"	4.260"	2 lb 13 oz
304082	UTS-400-ULTRA	4.0"	3.750"	1 lb 7 oz
304083	UTS-450-ULTRA	4.5"	4.260"	1 lb 7 oz

## 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.



Available in Gray or Black

Part #	Model #	Adapts:
304049	AC-2 "ULTRA"	2.00" to 2.50"
304048	AC-3 "ULTRA"	3.00" to 3.50"
304085	"ULTRA"	3.00" to 4.00"
304086	"ULTRA"	3.00" to 4.50"
304049B	AC-2 "ULTRA" Black	2.00" to 2.50"
304048B	AC-3 "ULTRA" Black	3.00" to 3.50"
304085B	"ULTRA" Black	3.00" to 4.00"
304086B	"ULTRA" Black	3.00" to 4.50"

## 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

Part #	Model	Use With
400001	PE-3SF (Flat Base)	Heavy Duty Twist Lock Poles
400002	PE-3SC (Curved Base)	Heavy Duty Twist Lock Poles
400012	PE-3-SSF w/ struts (Flat Base)	Small Spinnaker Poles

#400012 Is For Small Boat Spinnaker Pole Use Only



## Fixed Mast FC Connections

Our Fixed Mast FC mast 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.



#332026

For Boats Over 25' to 35' Feet

#332025

For Boats Over 35' Feet

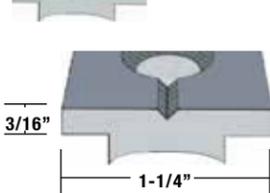
- Use With UXP, UXTR & UTR Pole Ends
- For Use On Boats 25 to 50ft
- Easy To Install - No Track Installation Necessary
- Hinged Mounting Plates Adjusts To Mast Shape

Part #	Description
332025	Large Fixed Mast FC Mount
332026	Small Fixed Mast FC Flange Mount



## 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" long flathead stainless machine for mounting.



Part #	Model #
339007	T-Track 5' Length
339008	T-Track 10' Length

### Ultra Track Stop MS-125

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

Part #	Model #
339009	MS-125



## 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 downhaul shackles for line height adjustment.

Not Recommended For Use With Vertically Stored Poles

Part #	Model
331000	RC-125



### 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-125

Selden FC Flange

### FC Style Mast Car For Selden

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

Part #	Model
332002	FC-125
332004	Selden FC Flange

## Toggle "TS" Style Connections

Use With TS & UTS Socket End Fittings - See pg 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.



Fixed-TS

T-125-S

T-150-A

- 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.

Part #	Model	Boat Size	T-Track
333004	T-125-S (Stainless Body)	35' to 50'	1-1/4"
334100	T-150-A (Aluminium Body)	50' to 70'	1-1/2"
333025	Large Fixed Mast TS Flange Mount	35' to 70'	
333020	Long Toggle Vertical Storage Option	★ See Note	
333010	Toggle & Knuckle Assembly		
331013	Replacement Anti-Friction Track Runners (Sold in Pairs)		

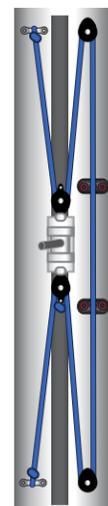
## Vertical Pole Storage



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 with 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 pg 13**



Sample Vertical Storage Configuration

### 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.

Part #	Model	Pole Dia
335100	VPC-125-250	2-1/2"
335101	VPC-125-300	3"
335102	VPC-125-350	3-1/2"
335103	VPC-125-400	4"

### 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.

Part #	Model	Pole Dia
300050	SC 200	2"
300042	SC 250	2-1/2"
300043	SC 300	3"
300044	SC 350	3-1/2"

## Deck Chocks

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



Part #	Model	Description
300002	DC-2 "Ultra"	For UXP, UTR, GP & UGPS end fittings
300013	DC-TS "Ultra"	For Toggle Style TS & UTS end fittings
300028	DC-TS-S	Stainless - for Toggle UTS & TS ends
300029	DC-2-S	Stainless - for UXP, UTR, UGPS & GP ends

## Stanchion Mount Pole Chocks

Stop stumbling 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 onto 1" stanchions. For spinnaker, whisker poles or reaching struts. For poles 2" to 3-1/2" in diameter.



**Sold Individually**  
Two Required for each pole.

Part #	Model	Pole Dia
300050	SC 200	2"
300042	SC 250	2-1/2"
300043	SC 300	3"
300044	SC 350	3-1/2"

## 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-3SF or PE-3SC mast pad eyes is recommended for proper fit.



Part#	Model #	Kit Length & Weight	Dia.	Mast Fitting
341000	RS-200-UXP	5'7 lbs.	2"	PE-3SF or PE-3SC
341001	RS-250-UXP	6'9 lbs.	2 1/2"	PE-3SF or PE-3SC
341002	RS-300-UXP	7'10 lbs.	3"	PE-3SF or PE-3SC

**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.

**TMP mast fitting is required - See Below.**

Part #	Model	Kit Length & Weight	Dia.
343000	RS-300-TS	7'11 lbs.	3"
343001	RS-400-TS	9'17 lbs.	4"

**Also Available In Carbon Fiber**

### TMP Mast Fittings For TS Toggle Style Reaching Struts

Part #	Description
343002	Aluminum
343010	Stainless Steel

### 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.
349000	RSO-200-EF	Outboard	1.870"
349001	RSO-250-EF	Outboard	2.334"
349002	RSO-300-EF	Outboard	2.835"
349003	RSO-400-EF	Outboard	3.750"
304050	UXP-200-EF	Inboard	1.870"
304051	UXP-250-EF	Inboard	2.334"
304052	UXP-300-EF	Inboard	2.835"
309028	TS-300-EF	Inboard	2.835"
405006	TS-400-EF	Inboard	3.750"

Reaching struts are traditionally the same diameter as your spinnaker pole. To figure the length use: 1/2 the beam of the boat + 3 feet or approximately 39% of the J measurement



## 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.



Part #	Lock for:
400006	TAP's & ADJ 4-8's
400007	BHT's & TAP HD's
400008	ADJ 6-12
400009	HD 6-12
400010	ADJ 7-15 (Two-lock set)

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