WHISKER POLES

Supplied By; American Rigging Supply, Inc.

Remember, for the ultimate Whisker Pole ***Forespar***® *offers the "Ultra Series" composite end fittings. These lightweight, strong end fittings are standard on 12-22 through 15-27 poles.*

Whisker poles are used to "wing out" the jib when sailing downwind. Sailors who have experienced downwind sailing without one can appreciate the value of being able to stabilize the jib, enabling the sail to work more efficiently.

Forespar® manufactures the finest and most complete line of Whisker Poles in the world. All Whisker Poles are constructed of high strength anodized aluminum tubing, and both telescoping and fixed-length models are available. Two styles of telescoping poles are offered—the **Twist-Lock** style and the **Line-Control** style.

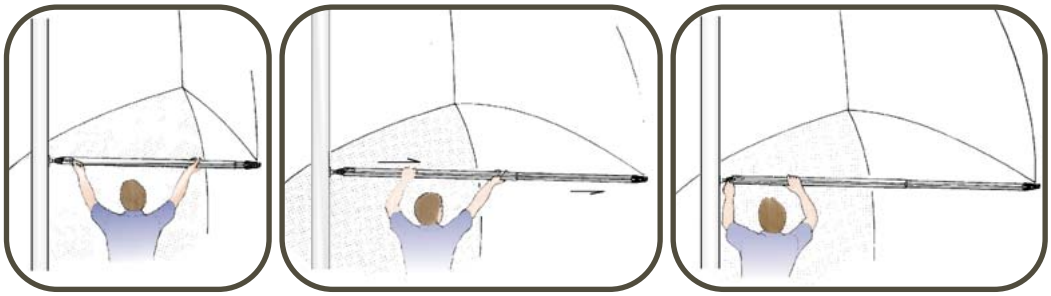
Where wind conditions tend to be gusty, the double latch option is recommended to avoid accidental detachment of the sheet from the pole end (**Twist-Lock** style poles).

The table below is meant to be used as a general guideline for selecting the proper whisker pole. Shown are pole recommendations relative to the following three variables: Boat Length, Sail Choice, and Wind Conditions. **Boats with relatively heavy displacements or bowsprits should use the next larger pole.**

LEGEND

Twist-Lock Poles (ADJ/HD)
Boats ***16 - 25*** *Feet LOA*

Line-Control Poles (LC)
Boats ***26 - 55*** *Feet LOA*



1 ***Un-cleat the Line.***

2 ***Pull Line out to extend the pole.***

3 ***Re-cleat the Line.***

WHISKER POLE SIZE RECOMMENDATIONS SEAMASTER SERIES

WORKING JIB

Boat Length:	Light to Mod. Air	Mod. to Heavy Air
Up to **16** ft.	ADJ 4'-8'	ADJ 6'-12'
Up to **22** ft.	ADJ 6'-12'	HD 6'-12'
Up to **25** ft.	HD 6'-12'	HD 6'-12'
Up to **28** ft.	LC 8'-14'	LC 8'-14'
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 **55** ft.	LC 15'-27'	LC 15'-27'

GENOA

Light to Mod. Air	Mod. to Heavy Air
ADJ 6'-12'	HD 6'-12'
HD 6'-12'	LC 8'-14'
ADJ 7'-17' or LC 8'-14'	ADJ 7-17 or LB/LC 8'-14'
LC 8'-14'	LC 10'-18'
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

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LINE CONTROL™ 50/50 CARBON/ALUMINUM "COMBO" WHISKER POLES

*These **Line Control**™ Whisker poles offer just the right blend of aluminum and carbon structures to provide the racing or cruising sailor weight and cost savings. They have the strength and weight savings of carbon on the inner tube and the abrasion resistance, durability and cost savings of aluminum on the outer tube. They also feature Forespar's exclusive "Ultra" end fittings (UTS socket inboard and UTR trigger outboard) for further weight reduction and ease of maintenance.*

"PATENTED" LINE CONTROL™ WHISKER POLES

Line Control™ *is a proven concept in telescoping whisker pole design. So unique, that full patent protection has been secured.* ***Line Control***™ *is only available on* ***Forespar***® *whisker poles. See the chart below for pole lengths and tube sizes. The system is simple, and makes the extension and retraction of poles quick and easy. And most amazing of all . . . the entire operation can be executed while being positioned at the mast. It is no longer necessary to go forward to adjust buttons of any kind — simply uncleat the line and extend or retract (never attempt to adjust while under load). It's quick and easy even with the largest poles. Topping lift attachment points are on all poles. Attachment to outer end is with end fittings jaw facing down.*

Part No.	Model No.	End fittings Inboard	End fittings Outboard	Recommended Mast Fittings	Collapsed Length / Weight	Max. Working Length	Tubing Diameters
408100	LC 8-14 EL-UXP	EL	EL	PE-3SC	95.75"/11 lbs.	167.88"	1-1/2" & 2"
401106	LC 10-18 EL-UXP	EL	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, AT-125	148.50"/28 lbs.	265.25"	2-1/2" & 3"
800802	LC 12-22 UTS-UTR-**CF**	UTS	UTR	T-125, AT-125	148.50"/19 lbs.	265.25"	2-1/2" & 3"
402203	LC 12-22 **COMBO**	UTS	UTR	T-125, AT-125	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, AT-125	162.00"/24 lbs.	272.00"	3" & 3-1/2"
403203	LC 13-24 **COMBO**	UTS	UTR	T-125, AT-125	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-/12" & 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, AT-125	182.00"/32 lbs.	324.00"	3-1/2" & 4"
405203	LC 15-27 **COMBO**	UTS	UTR	T-125, AT-125	182.00"/42 lbs.	324.00"	3-1/2" & 4"

SEE REPLACEMENT PARTS PAGE

(CF Indicates Carbon Fiber poles)

WHISKER POLES

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SMALL TELESCOPING POLES (TWIST LOCK)

Telescoping models can be adjusted to any desired length and securely locked in position with an effortless twist of the inner tube. All small poles include strong corrosion-free Lexan end fittings and a Mast Pad Eye with stainless steel screws.

Outboard Ends

Inboard Ends

Part No.	Model No.	Size/Weight
404000	ADJ 4-8	Telescopes from 53" to 93"/3 lbs. 1" outer diameter
404100	ADJ 4-8 DL	With latch fittings on both ends
406000	ADJ 6-12	Telescopes from 72" to 134"/3 lbs. 1- 1/4" outer diameter
406100	ADJ 6-12 DL	With latch fittings on both ends
404011	PE-1	Pad Eye Only
300026	ADJ 4-8	End kit
300027	ADJ 6-12	End kit

HEAVY DUTY TELESCOPING POLES (TWIST LOCK)

These telescoping whisker poles are heavy duty two section and three section aluminum spars which can be extended to lengths up to 17' and securely locked in position by an internal twist lock device. Poles feature self-latching ***Ultra Series***™ *fittings on the inboard and outboard ends* ***(PE-3SF or PE-3SC Mast Pad Eyes recommended).*** ***SEE PAGE 8***

Inboard Ends

Outboard Ends

Part No.	Model No.	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.
407100	ADJ 7-17-DL	Three sections extending from 83" to 202", 2 in. outer tube diameter. With self-latching fittings on both ends/9 lbs.
304015 UEF-3	HD 6-12 DL	Special – inboard (big) end only
304018 UEF-5	HD 6-12 DL	Outboard end only (small)
304057 UEF-3	ADJ 7-17 DL	Inboard (big) end only
304018 UEF-5	ADJ 7-17-DL	Outboard end only (small).

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 No.	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 7-17 (Two-lock set)

Courtesy of Flying Scot, Inc.

***Individual sections and additional parts are available for repairing whisker poles.**

SEE REPLACEMENT PARTS PAGE

INSTRUCTIONS FOR THE CONVERSION OF A 12-22 LOCK BUTTON WHISKER POLE

This LINE CONTROL Conversion Kit contains everything you will need to convert your FORESPAR Lock Button Whisker Pole to a Line Control pole. We promise it can be done, but we don't promise that you can do it. It does take a moderate degree of mechanical skill and you MUST follow the sequence of these instructions exactly. You will need an electric hand drill, 5/32" and 3/16" twist drills, a pop-rivet puller that pulls 5/32" and 3/16" pop-rivets and a propane torch of the hardware store variety such as a Burnz-o-matic.

1. Lay the pole on a flat surface with the throats of the end fittings facing upward. Mark the top surface of each aluminum tube with tape or a felt pen.

2. Extend the inner tube some 4' or so outward. While wearing a pair of protective gloves, heat the tube at the base of an end casting with the torch evenly around its entire surface until the epoxy holding the casting softens and you are able to remove the casting from the tubing. While the tubing is still hot remove all residual epoxy from the inside of the tubing with a rag. Repeat the process to remove the other end casting. Allow the tubing to cool before proceeding further.

3. Draw the smaller diameter tubing a foot out of the larger tubing through the end where you have just removed the LARGER diameter casting. Be very sure not to rotate the tube when doing this. Mark the top of this tube end also.

4. Using a 3/16" drill, drill out the center of all the pop-rivets holding the plastic sleeve on this end of the smaller tube. Remove the sleeve and any vestiges of the pop-rivets.

5. Remove the entire lock button assembly, it will have no further use. This is most easily done by pulling out one of the little cross pins on the inside with a pair of needle nose pliers and then completely depressing the buttons.

6. Place the plastic sleeve back onto the smaller tube and align it to the original hole pattern. Insert one or two pop-rivets to hold the sleeve in place but DO NOT pop these rivets yet.

7. Place one hole of the eye-strap found in bag "A" over the hole in the sleeve that is closest to the "top mark" on the tube. Position the eye-strap length-wise on the tube and using the other hole in the eye-strap as a guide, drill a 3/16" hole in the tube. See diagram #1. Debur this hole on the inside of the tube and then remove all metal chips. Place the plastic sleeve only back on the tube but do not pop-rivet yet.

8. Assemble the internal line control tube unit supplied. Join the two pieces of 7/8" tube together at the coupling using one of the pop-rivets in bag "A". Align the black registration marks being sure that the control line running between the two end fittings is not twisted around the tube. IMPORTANT, you must remove the tape holding the line in place at the coupling location.

9. Insert the rope guide end of this internal assembly into the end of the smaller tube where you have just removed the lock button assembly. Be sure that this whole internal assembly is oriented so that the throat of the end casting faces upward. Push this assembly all but a foot into the tube.

10. Disconnect the rope end taped to the end casting and be very careful not to wrap it around the 7/8" tube or otherwise change its orientation. Tie a knot in the very end of the line. While holding the eye-strap upside down, place the line in the eye-strap with the knot tight against the right hand side. See diagram #2. Place the eye-strap inside the tube as shown and pop-rivet it and the sleeve in place using the pop-rivets in bag "A".

11. Push the inner tube of the pole back into the outer tube so that the other end protrudes out of the outer tube about 6".

12. Slide the new pole end casting which is a part of the new internal assembly all the way into the larger pole tube. Be sure that the throat of this casting is still facing upward and that the "top mark" on the tube is still facing upward.

13. Using a 3/16" drill, drill a hole through the outer tube into the end casting 1/2" in from the joint between tube and casting and located 1/2" to the right (when facing tube end) of the "top mark" on the tube. IMPORTANT! Prevent the drill from penetrating deeply into the core area of the casting when the drill breaks through the casting wall. Allowing this to happen can result in the drill grabbing the line and damaging it. Alignment will be better if, after you have drilled the first hole, you put in a pop-rivet temporarily (don't pop it) to keep the casting properly oriented while drilling the remaining holes. Drill the second hole 2" to the left of the first one. Drilla third hole 2" further to the left of the second hole. Also drill a 3/16" hole through the open second hole in the cleat. The long axis of the cleat should be parallel to the long axis of the tube.

14. Slide the end casting back out of the tube, being careful not to rotate it and clean out all the metal chips both inside the casting and in the tube.

Slide the end casting back into the tube and pop-rivet with the pop-rivets in bag "B". Use the longer one for the cleat.

15. Replace the original end casting in the other end of the inner tube of the pole. Be sure that it is oriented throat upward in relation to the "top mark" you made in the beginning. Using a 3/16" drill, drill a hole through the tube and the casting 1/2" in from the joint between tube and casting and 90° to the right (when facing the end) of the "top mark". Insert a pop-rivet to stabalize the casting but don't pop it. Drill a second hole another 90° to the right of the first hole. Locate the eye-strap from bag "C" on the tube as shown in diagram #3, it should be another 90° to the right of the second hole. Using the holes in the eye-strap as guides, drill these two additional holes. Remove the casting without rotating it and clean out all chips from inside the casting and the tubing. Now reinsert the casting and pop-rivet it and the eye-strap in place with the pop-rivets from bag "C".

16. Pull the line comming out of the larger inboard end casting until the smaller inner tube of the pole is fully extended out of the larger tube of the pole. There should have been no problem with this action so now push the inner tube back into the larger one until only a foot protrudes.

17. Place the eye-strap in bag "D" on top of the larger outer tube 1/2" in from the outboard end and on the top surface of the pole. See diagram #4. Drill properly spaced holes with a 5/32" drill. Do not let the drill cut so deep that it damages the inner tube. Pass the control line under this eye-strap and rivet in place with the pop-rivets in bag "D".

18. Pass the end of this line through the eye-strap located on the outboard end casting and tie a single knot loosely Position this knot in the end of the control line so that when the line is pulled back and the knot impinges on the eye-strap there is just enough slack in the line to allow you to make one full turn around the cleat at the inboard end of the pole.

19. Tighten the knot and cut off the excess line. Fuse the raw end of the line to the knot. After some use this line may stretch and you will want to shorten the line and tie in a new knot.

DIAGRAM # 1

12 – 22
13 – 24
15 – 27

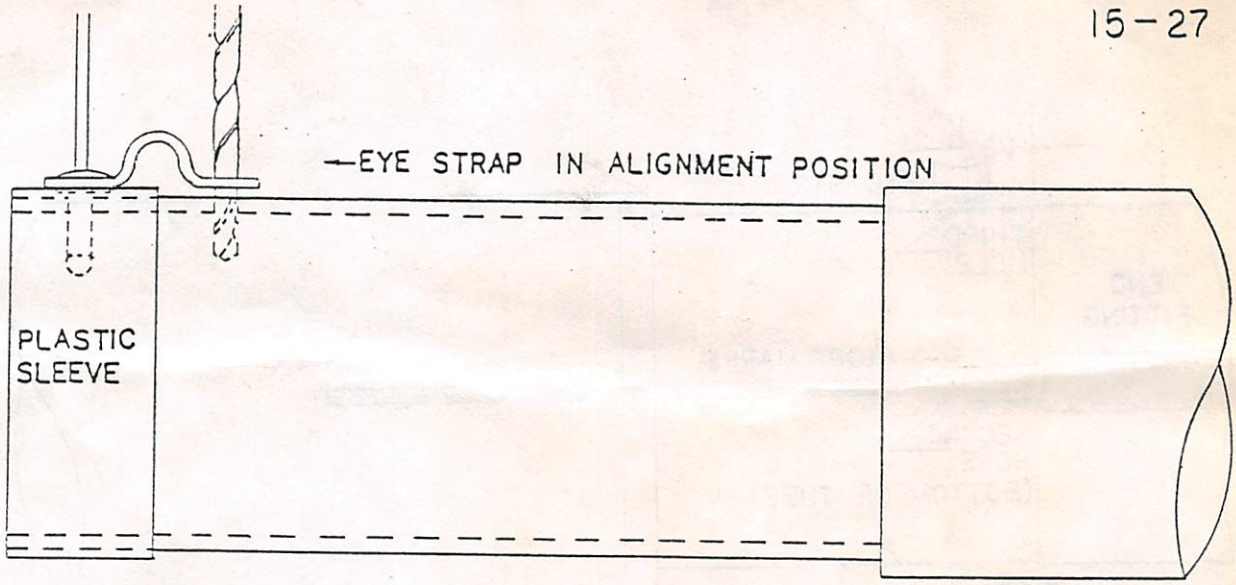
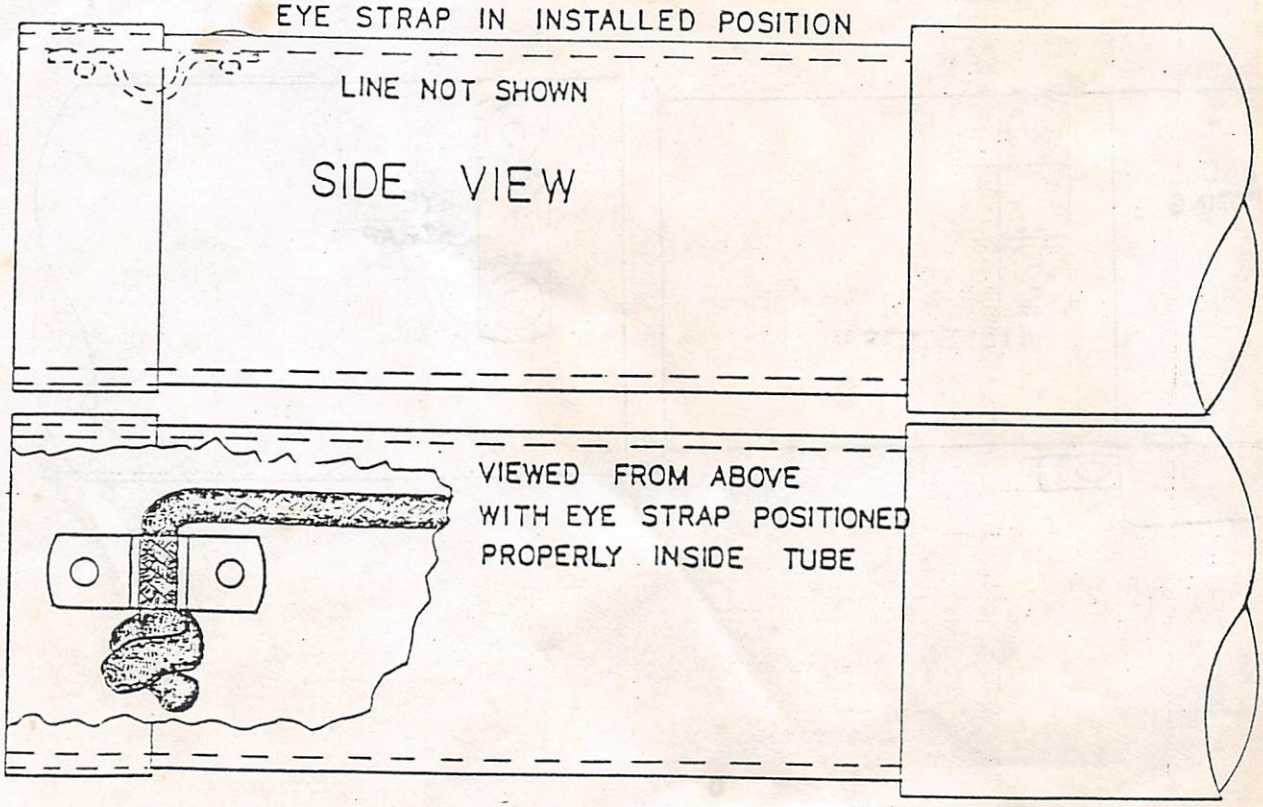


DIAGRAM #2



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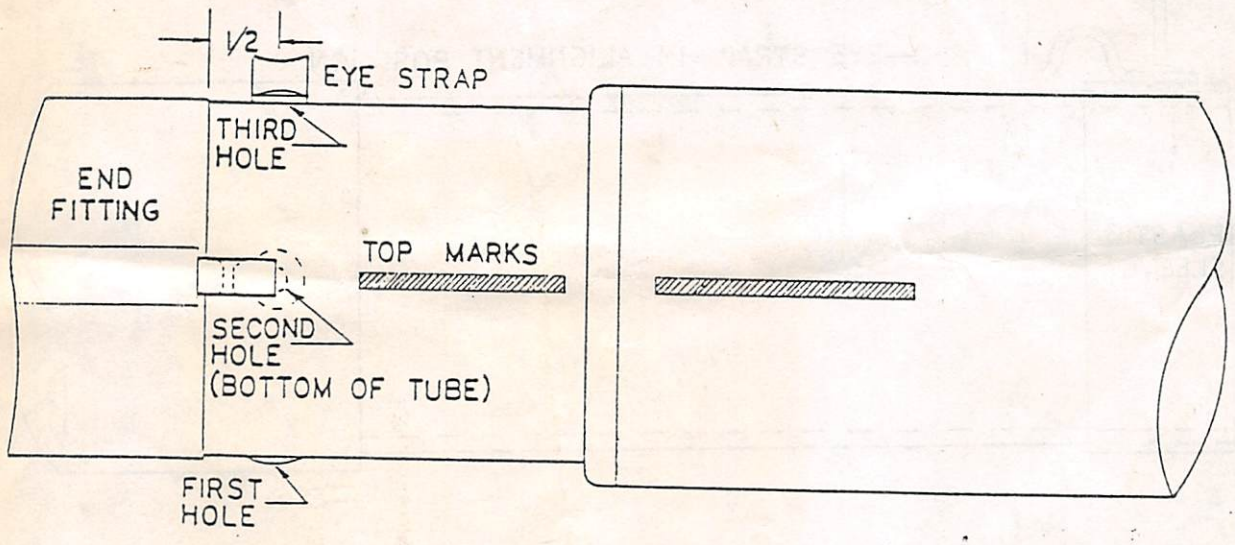

DIAGRAM # 4