

PT Star Mast – Mast Stiffener Kit (40 mm tube)

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This kit has been developed for skippers that require additional support for the middle and lower middle sections of the PT Star mast.

The design revolves around a 40 mm x 1.6mm aluminium tube that is 2.15 meters long.

The kit

4 x nylon spacer blocks

4 x Poly spacer collars

4 x 3/16 mm Aluminium rivets

2.15m of 40mm x 1.6mm Aluminium Tube (not supplied)

Assembly instructions

- 1) Slide Polly collars onto Tube, one at each end and one 1400 mm centred from one end (which will be the bottom of the stiffener). The fourth collar is then placed half way between the bottom and this collar.
- 2) Fit one spacer block in the middle of **the top collar**, making sure the slit in the Polly collar is under the spacer block, and to one side of the pop rivet location (so the pop rivet will go through the collar)
- 3) Pop rivet this spacer block in place using a supplied rivet.
- 4) Mark the location of the other collars on the pipe (bottom side so they can be viewed when they are slid into the mast)
- 5) Place the stiffener beside the mast in position so the spacer and collar 1400 mm from the bottom lines up with **all** the lower hound pop rivet holes.
- 6) Measure the distance from the bottom of the stiffener to the bottom of the mast (without the mast base) and record.
- 7) slide the tube into the mast until the second collar position is at the bottom of the mast
- 8) Fit the second spacer block by pushing it into place. You should have the spacer just in the mast with enough of it still out the bottom to drill and pop rivet the spacer in place prior to pushing the stiffener up to the third collar position is at the base of the mast.

(this method means you are sure of the alignment of the spacers)
- 9) Fit the third spacer block in the same way you did the second.
- 10) slide the stiffener in until the bottom collar is at the base of the mast
- 11) Fit the bottom spacerblock in the same way you did for the second and third block

12) slide (push) the stiffener up the mast until the predetermined position is reached. . ***Be careful not to push it in to far as it will be difficult to draw the stiffener back out.***

You should see the black collar through the lower hound fixing holes if the stiffener is in the correct position as the lower hound rivets need to go through the hound, the collar and stiffener. These rivets are the only fixings that bridge the mast and the stiffener tube.

Note

1) If you are installing the stiffener in an existing mast, drill out all the pop rivets below and including the lower hound.

2) If you are building a new mast, cut the mast to length, install the upper hound, parrots beak and cap, drill the pop rivet holes for the lower hound but do not fit it or any fitting below that point.

3) Install the kit as described in the assembly instructions.

7) Using long 3/16 Stainless Steel or Monel pop rivets (not supplied) fix the lower hound in place.

8) Refit the lower part of the mast or finish the new mast.