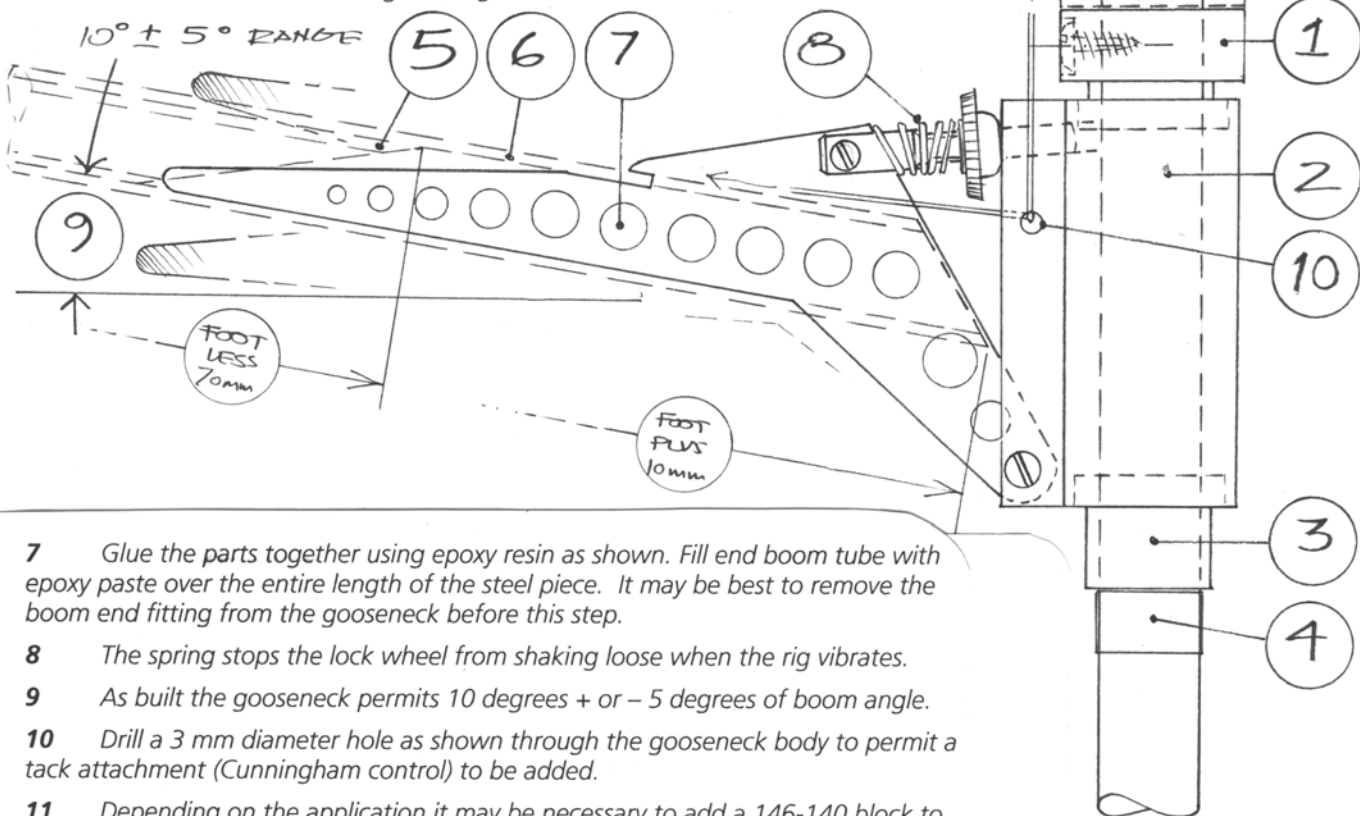


SAILSETC Catalogue Number	12b		
Fitting Description	ball raced gooseneck/compression strut – concentric axis		
Applications	14 mm round mast for SAILSetc Marblehead & Ten Rater		
Drawing Code	Product Information PI 12b	copyright SAILSetc 2008	
Contents	Qty	Item	gooseneck/compression strut unit No 4 x 13 mm pan head screw

- The gooseneck is fixed to the mast by drilling, using a 2.5 mm drill, through the hole provided in the upper bearing. Add the self tapping screw and do not over-tighten.
- Slide the gooseneck body onto the mast so that the upper bearing is housed properly in the upper bearing support.
- Add the lower bearing support ensuring that it engages properly with the bearing.
- Wrap some self adhesive tape around the mast tube to keep the lower bearing housing from slipping down the mast.
- Abrade the forward 120 mm of the piece of 12 mm Ø carbon tube for the main boom and the inside of the 190 mm piece of 14 mm diameter tube until they are a good fit. Note that the fore end of the 12 mm diameter tube is tapered for 40 mm.
- Angle the fore end of the 190 mm long x 14 mm Ø piece as shown and add slots wide enough to take the steel piece. Check that a good fit has been obtained on the boom end fitting of the gooseneck.



- Glue the parts together using epoxy resin as shown. Fill end boom tube with epoxy paste over the entire length of the steel piece. It may be best to remove the boom end fitting from the gooseneck before this step.
- The spring stops the lock wheel from shaking loose when the rig vibrates.
- As built the gooseneck permits 10 degrees + or - 5 degrees of boom angle.
- Drill a 3 mm diameter hole as shown through the gooseneck body to permit a tack attachment (Cunningham control) to be added.
- Depending on the application it may be necessary to add a 146-140 block to the mast.
- The **lower limit mark** may be added to the mast tube, or to either of the 25 mm diameter pieces.