

SINGLE-LINE REEFING BOOMS

Replacing special blocks for reefing lines

Changing the reef line blocks

1. Undo, or cut off, the knots holding the shackles on the forward reefing lines.
2. Splice on messenger lines.
3. Remove the outboard boom end-fitting (Phillips or Torx screws).
4. Pull out the forward reefing lines aft and remove their blocks.
5. Check the reefing line runs. Tie their forward ends fast so the lines can be tightened.
6. Feed the after end of the forward reefing line through the forward opening in the new block, and put the pin in place. Ensure that the locking rings are properly bedded in their grooves.
7. Feed the after reefing line through the new block as before, and push the block into the boom. Do not forget the anti-friction rollers.
8. Fit the second block in a similar way.
9. Replace the boom end-fitting.

Adjusting the reefing lines

1. Belay the reefing line ① either in the cockpit or where the line exits the gooseneck fitting.
2. Pull the reefing line ②, until the plate block ⑤ is stopped by the outer boom end fitting. Belay the line temporarily.
3. Tighten the reefing line ③, and mark it where it exits the upper surface of the gooseneck fitting.
4. Free the reefing line ①. Pull out about 1 m of reefing line ③.
5. Put a new mark on the reefing line ③ A mm nearer the block than the first mark.

A acc. to the table below:

150 mm	for section	120/62
200 mm	— " —	143/76
250 mm	— " —	171/94
350 mm	— " —	200/117
400 mm	— " —	250/140

6. Tie on the shackle at the new mark with the knot illustrated. Ensure that the mark (A) is just visible below the knot. By using a shackle the knot does not have to be re-tied after each dismantling or refitting.
7. Undo reefing line ②. Pull it through its reef cringle on the leech, and tie it to the boom with a little slack. It is important that the line is made fast exactly as illustrated to avoid the sail being torn. Fit the second reefing line in a similarly way.
8. Hoist the sail and check that the forward reefing lines ③ are a little slack. Surplus line is cut off after any necessary adjustments have been made. Melt or whip the line ends.
9. Check that the boom has a topping lift or a fixed rod kicker to prevent it from dropping into the cockpit when reefing.

Reefing line runs in boom ends

Reef # 1 (blue line): Outer starboard slot.

Reef # 2 (red line): Outer port slot.

Caution!

The space between the boom sides and internal running blocks is limited. Check that new fittings, pop rivets or screws do not obstruct the movement of the blocks.

