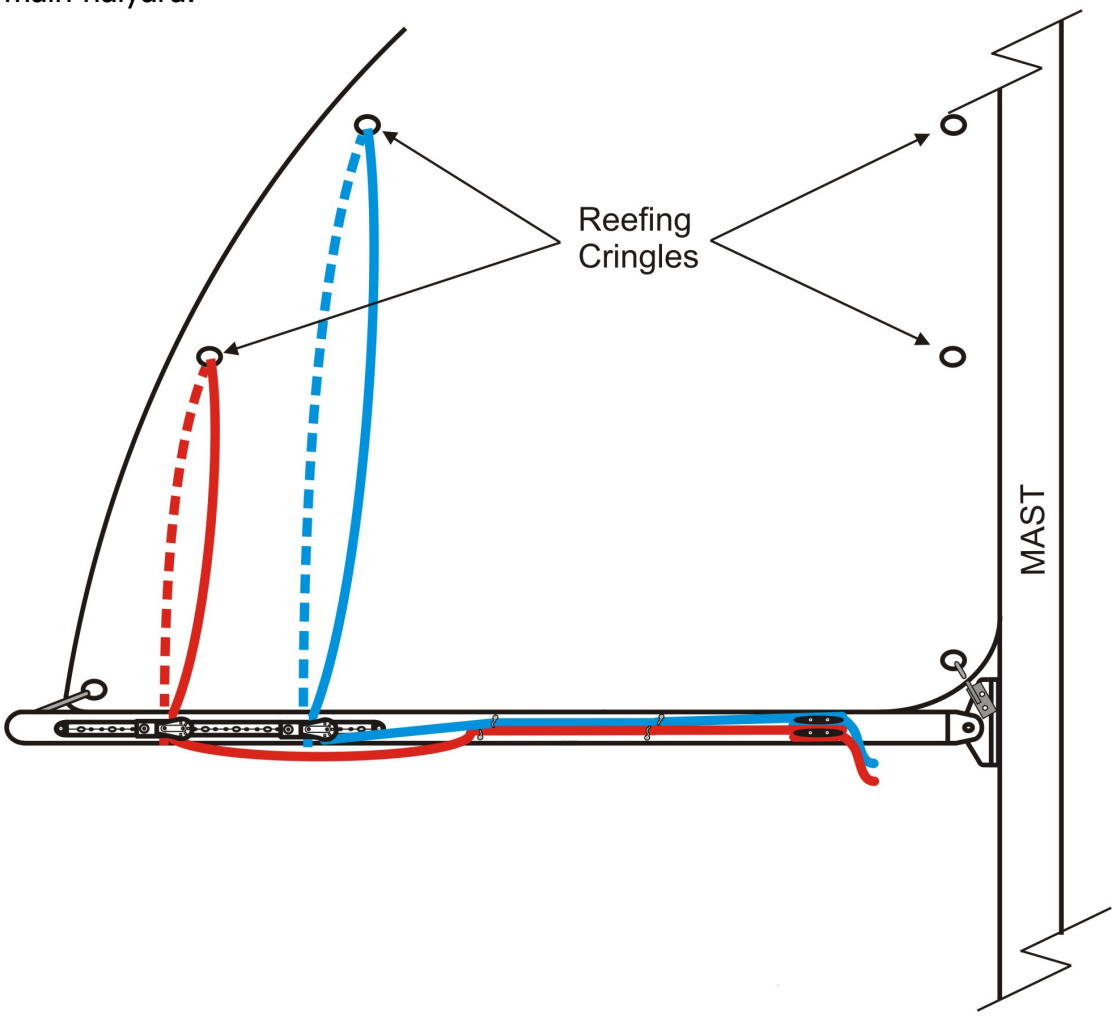
Fitting Instructions For Slab Reefing Kit
Part No 41484 – For Yachts Up To 8.5m (2 Reefing Points)

This system makes reefing your mainsail a quick and easy operation. Just lower the mainsail just below a pre-determined mark on the halyard, attach the reefed clew of the sail onto the reefing hooks (not supplied) at the mast end of the boom and tension the reefing line in and secure. Re-tension the main halyard.



Contents
1 x 25mm T Track 60cm length
2 x Reefing Sliders (attached to track)
1 x Pair Plastic End Caps (attached to track)

Requirements (not supplied)
M5 x 16mm Countersunk Machine Screws x 8
Barrier cream (between the stainless steel and aluminium parts)
4 x Eye Straps (plus fixings)
2 x 8mm line
2 x Horn cleats (plus fixings)
1 x Reefing hooks (Pr)

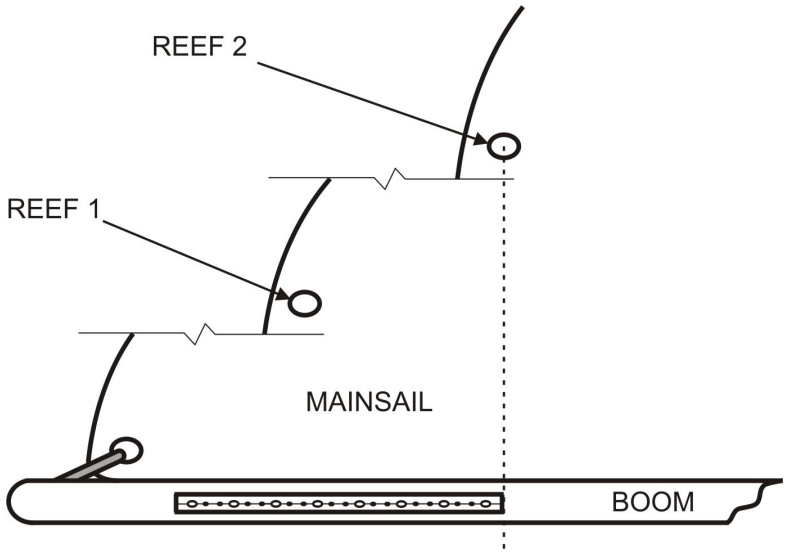
Tools
Pencil
Hammer
Cordless Drill
Screwdriver
Centre Punch
Tape Measure
Hack Saw
Tape

Drill Bits & Taps
4mm Drill Bit
M5 Tap

We recommend taping all items in place first before drilling any holes and the line to ensure friction is kept to a minimum.

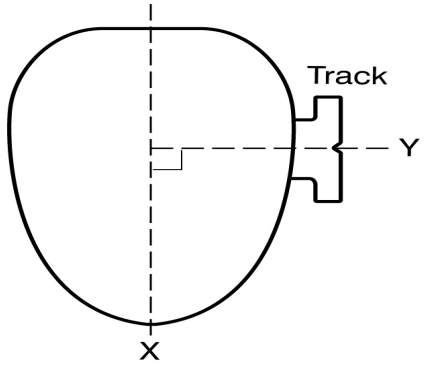
Port Or Starboard
Decide whether to place the track on the port or starboard side of the boom. Take your time and run through the procedure of reefing before deciding which side to attach the slab reefing kit (if the main halyard winch is attached to the mast it would make life easier to have the slab reefing kit on the same side as the winch). Also how are you going to secure the tack (mast) end on the sail?? We recommend Barton Reefing Hooks, which come in 2 types: Boom fitting (sold in pairs) – which attach on the boom very close to the gooseneck or Gooseneck Mounting – which attach to the Gooseneck (see "Positioning of Boom Fitting or Gooseneck Hooks)

Positioning The Track On The Boom
The forward end of the track should line up with the position of the secured reefing eye on the sail (highest up the sail, second reef).



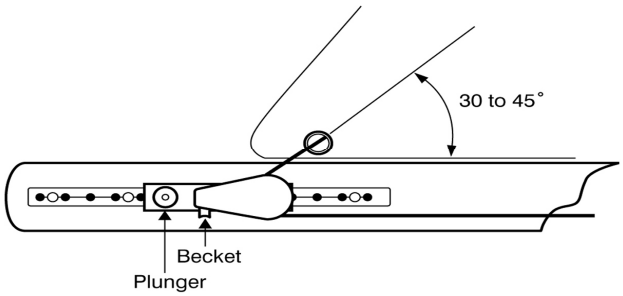
Mounting Track

Ensure the track is at 90° (Y) to the centre line of the boom (X). Position the track and mark first fixing location.

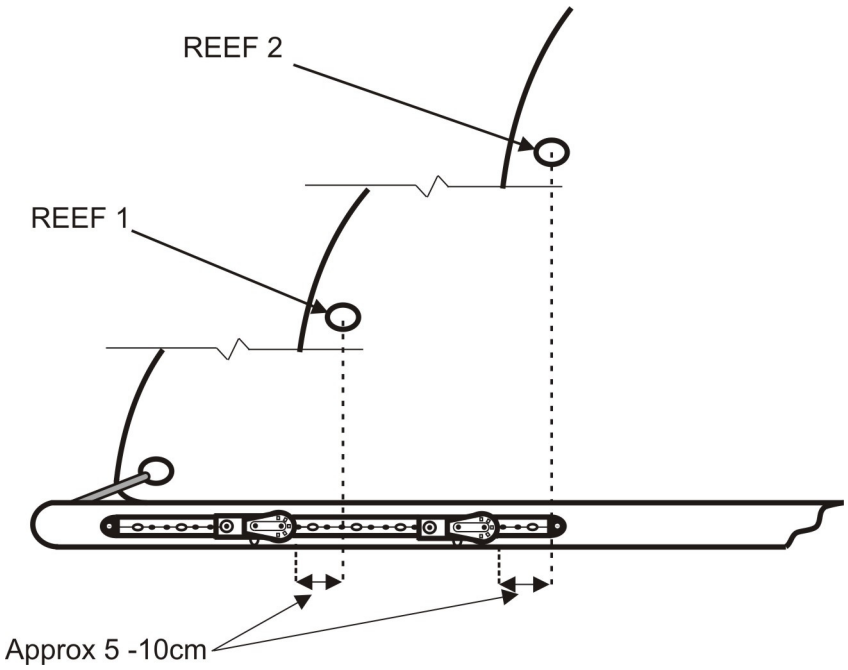


Remove track, drill using 4mm drill and tap using M5 tap then secure in position using M5 machine screw.
Centre punch second fixing hole, loosen screw of first fixing, allow track to pivot away then drill and tap for second fixing. Repeat this procedure until all fixings can be installed. After securing, the screws can be removed and the surplus length inside the boom cut off, to prevent possible snagging of internal control lines on the sharp ends of the screws. Always use a barrier cream between the stainless steel fixing and the aluminium to prevent corrosion.

Positioning Of The Reefing Sliders

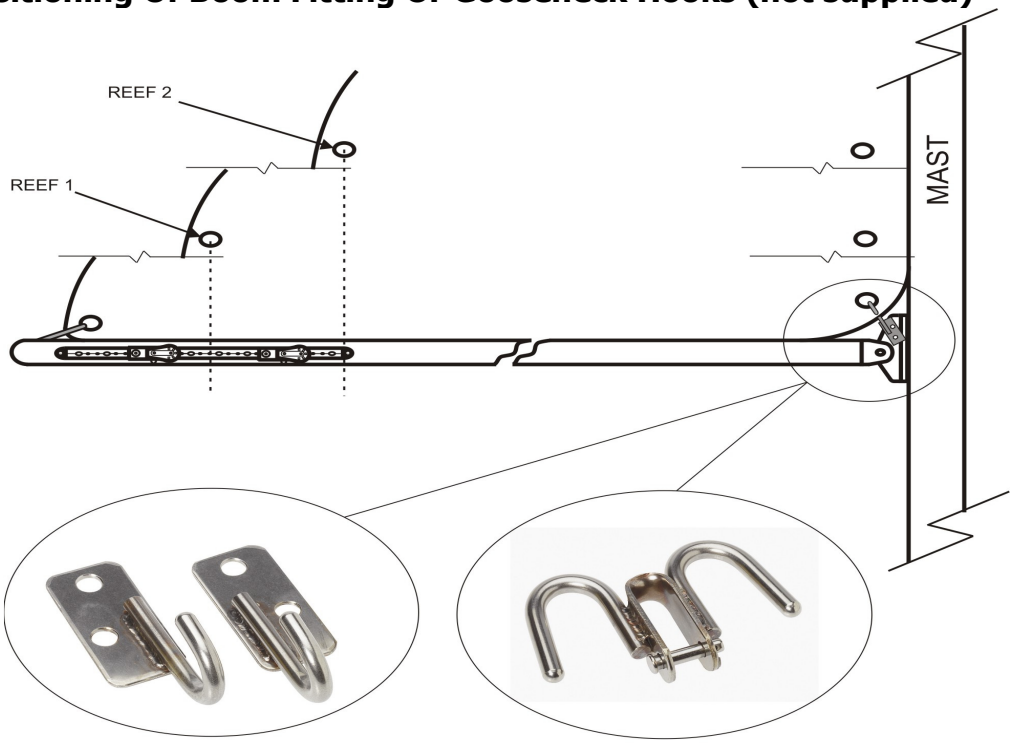


Position the sliders on the track ensuring the plunger end of the slide is aft and the becket on this slide is facing down (this may need to be adjusted depending on whether it is fitted on port or starboard side of the boom. The eye will rotate but may require the use of pliers to carry out this operation).



The position of the sliders on the track can be adjusted during a sail trial. The two plastic end caps can now be fitted, ensuring they locate over the end on the track. (This is a push fit) use the centre punch to mark position then remove before drilling and tapping as previously stated.

Positioning Of Boom Fitting Or Gooseneck Hooks (not supplied)



Reefing Hooks Boom Fitting

Barton Part Number 41517

Is supplied in pairs and is intended for mounting either side of the boom at gooseneck level.

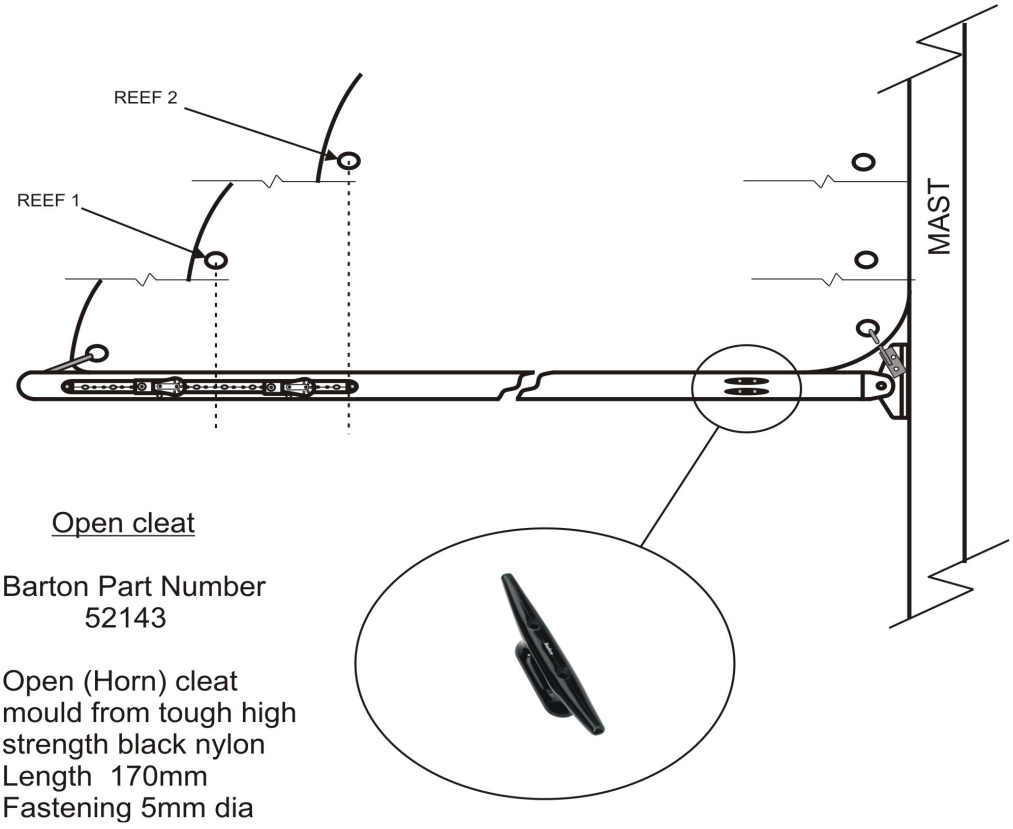
Reefing Hooks Gooseneck Mounting

Barton Part Number 41518

Can be mounted above the gooseneck or can be used at the stem head to accept the jib tack.

Cleating Off The Reefing Lines (not supplied)

We would recommend using a Horn Cleat (not supplied) to secure the reefing line. This should be fixed near the mast end of the boom (note – push the boom out to the stays to ensure the Horn Cleat will not fail on the stays etc when running down wind.)



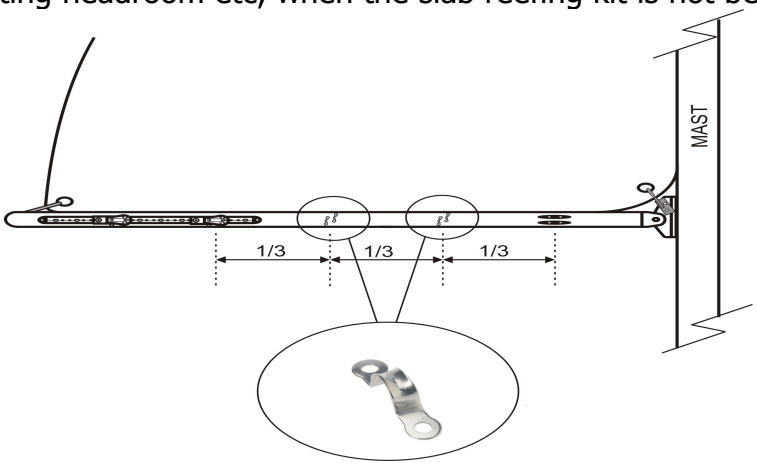
Open cleat

Barton Part Number
52143

Open (Horn) cleat
mould from tough high
strength black nylon
Length 170mm
Fastening 5mm dia

Installing Boom Eye Straps

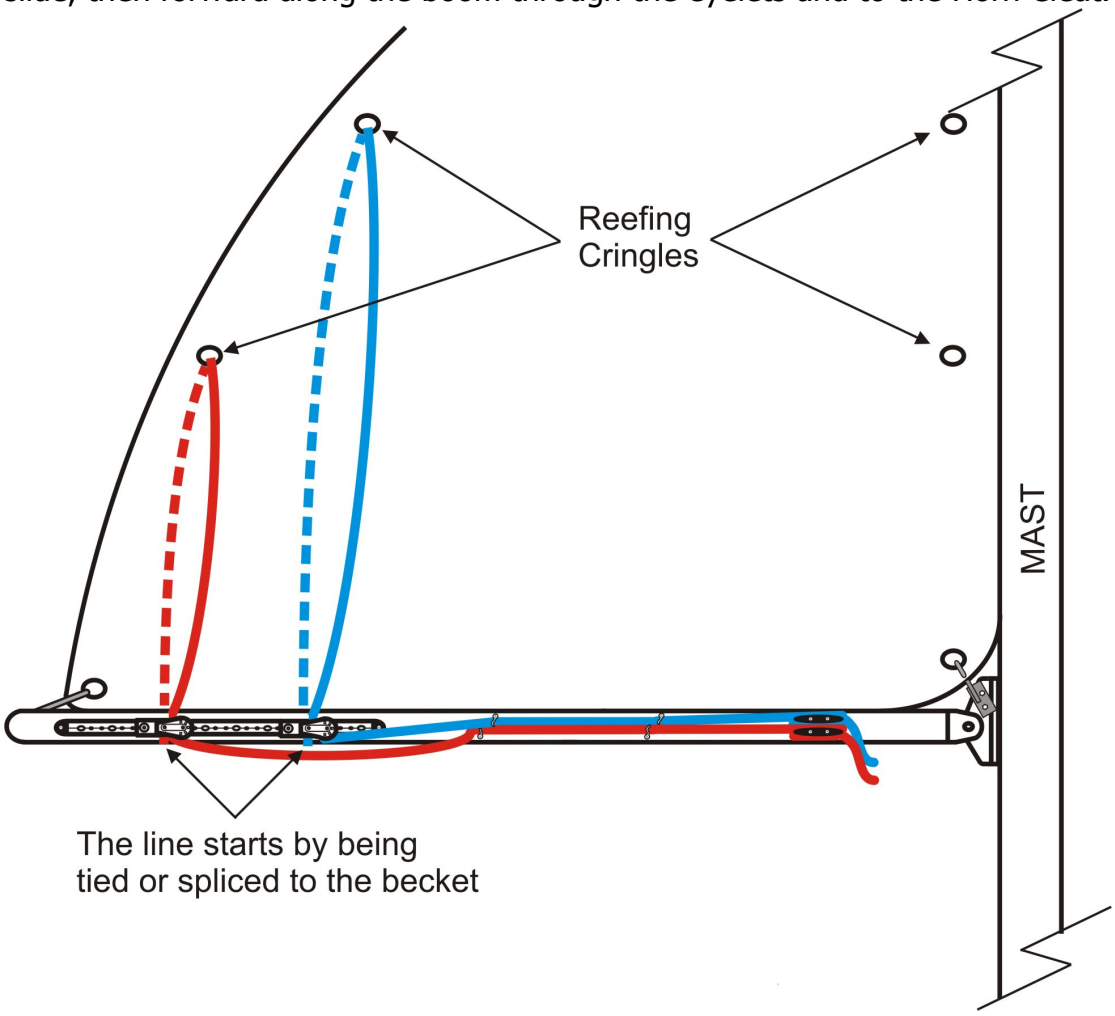
We would recommend fitting several eyes between the slider and where the reefing line is secure, at approx 1/3 intervals. This will stop the line from sagging, restricting headroom etc, when the slab reefing kit is not being used.



Reeving The Line

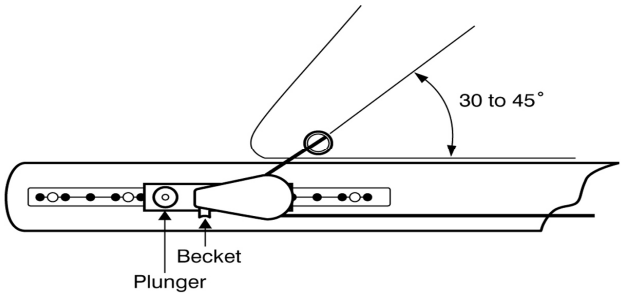
8mm line required (not supplied)

The line starts by being tied or spliced to the becket on the bottom of the slide, under the boom up through the eye, down through the sheave on the slide, then forward along the boom through the eyelets and to the Horn Cleat.



Adjustment

The position of the slider can to altered by lifting the plunger and relocating the slider. It should be positioned so the line leaving the eye in the sail pulls down and aft between 30° and 45°.



Lower the main Halyard to the correct position for reefing, mark the Halyard at the position of the cleat with permanent marker (reef position 1 +2).

To Reef
Set the Topping Lift, which ensures the boom does not fall accidentally (by using the Barton Boomstrut together with the slab reefing system, this would eliminate the need for a Topping Lift).
Ease the Halyard to just below the marked "Reef" position, pull in the reef line and secure, attach the tack reefing cringle to the reefing hook, then tension the Halyard. The sail is now reefed.

The Barton Slab Reefing System is yet another great product from Barton. A large range of marine hardware for yachts up to 15m (50 foot) is detailed in our catalogue, available on request or by visiting our website www.bartonmarone.com