



## Welcome to Sailspars Rope splicing guide

Rope type: Liros braid on braid,  
small gear 8mm,  
medium and large gear 10mm

Hollow Fid:  
length for small 170mm  
length for medium and large  
230mm,  
if you cannot obtain hollow fids,  
a Marlow ropes splicing needle  
can be used to pull rope  
through instead of pushing



### Step 1

2.5 m from end of rope form  
stopper hitch (not over hand  
knot as it has to be untied and  
not trapped in loop)



### Step 2

Mark 1 fid length as put single  
large mark (we use highlighter  
pens as they don't mark rope  
permanently)



### Step 3

Insert Swedish fid and extract inner core



### Step 4

Inner core extracted, insure to pull equally from both sides to keep extraction point in centre



### Step 5

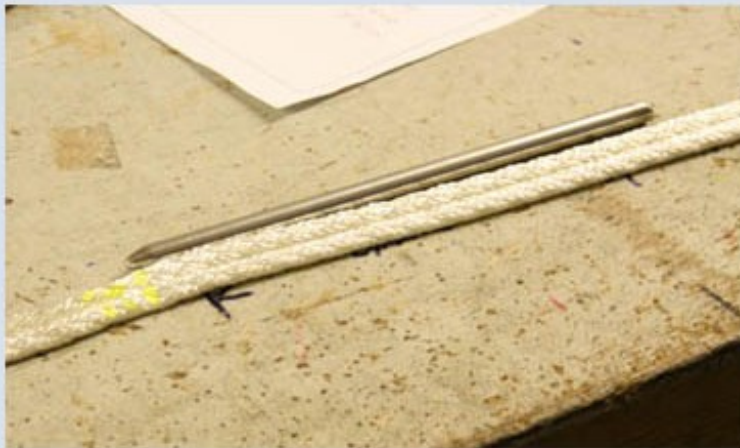
Repeat and then mark 40mm on both cores from extraction point towards gear (not rope tails) this forms allowance to form splice.





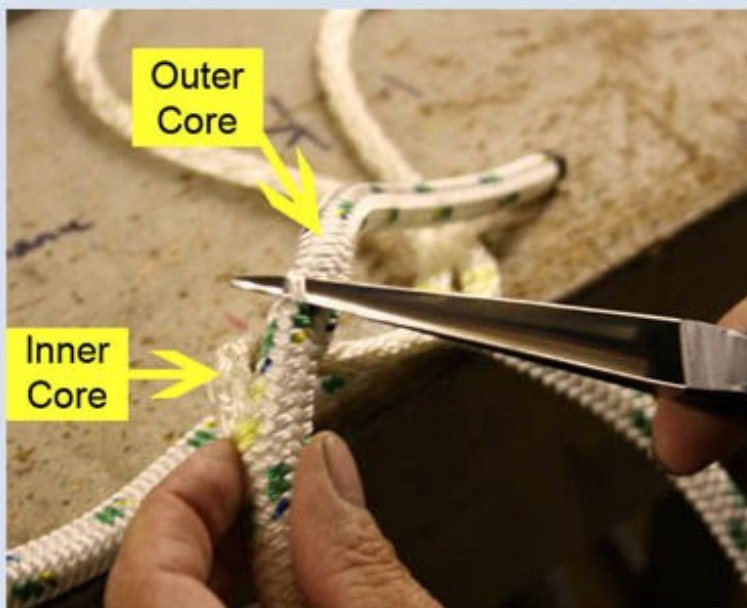
## Step 6

Pull the inner cores out



## Step 7

Mark one and a half fids from original mark and draw two highlighter lines at this point



## Step 8

On outer braid tail, at 30mm from point where inner core comes out lift two stands with fid, cut and extract from loose end of rope, work round rope leave the next pair of strands and cut the following pair and extract, working around the rope you should extract 5 double strands of rope.



## Step 9

Repeat for the other end of rope and you will end up as this picture shows; with rope tails tapered



## Step 10

On inner core insert fid at mark one, push through the centre of the core and out at mark two



## Step 11

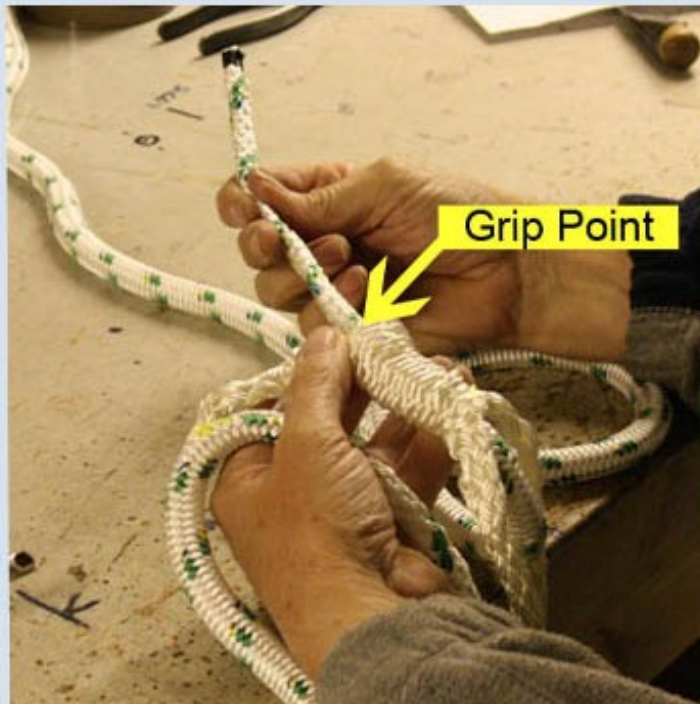
Insert opposite end of rope outer section into fid





## Step 12

and push through



## Step 13

Pull outer section through core until core bunches against the extraction point, do not pull over the extraction point



## Step 14

Hold at grip point and tease open all strands and divide roughly into three equal groups



## Step 15

First of the three equal parts is to be cut at the grip point



## Step 16

Second of the three equal part is be folded in half from the grip point and then cut at fold



## Step 17

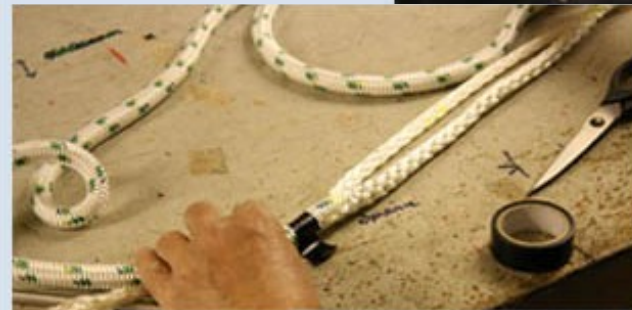
The third part is not cut. This picture shows the first cut at grip point, second half way up and the third part uncut





## Step 18

Grip at extraction point and pull bunched core over the tail to close up



## Step 19

Tape round both pieces of rope at extraction point to keep things tidy

## Step 20

Repeat process 10-22 on the other end of rope





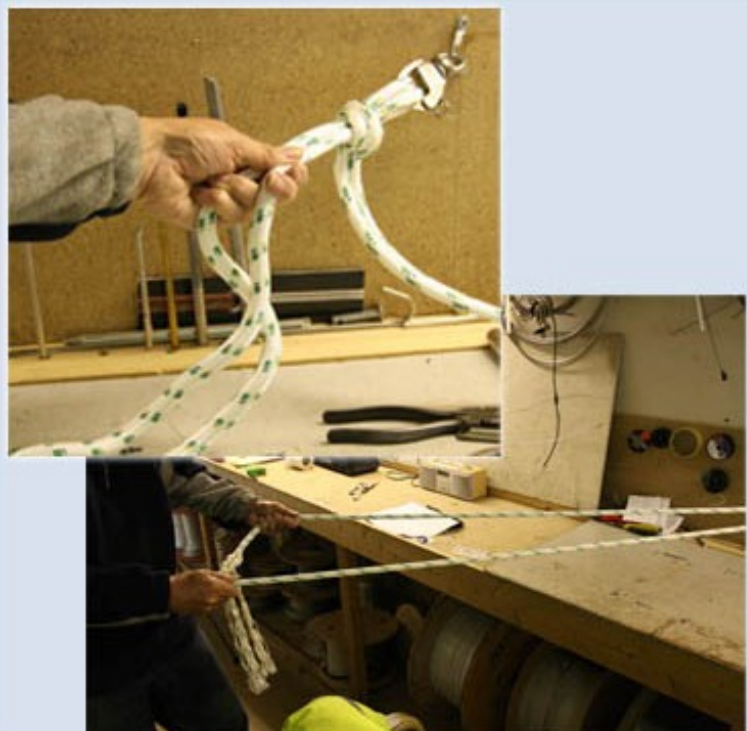
## Step 21

At a distance of 150mm from extraction point lift two strands and cut. And pull out from tail end of rope, leave the next two strand and cut the following two strands, you will remove two double strands in total. Repeat for the other end



## Step 22

Transfer the tape to core to prevent unravelling on both ropes



## Step 23

Reach up to stopper knot and milk outer covers back towards join until join is almost complete,





## Step 24

Milk each strand individually until splice is joined as tightly as possible



## Step 25

Cut off both ends leaving approximately 50mm of tail,



## Step 26

Carefully tease out bunched core strands as in this picture to relieve bunching at splice



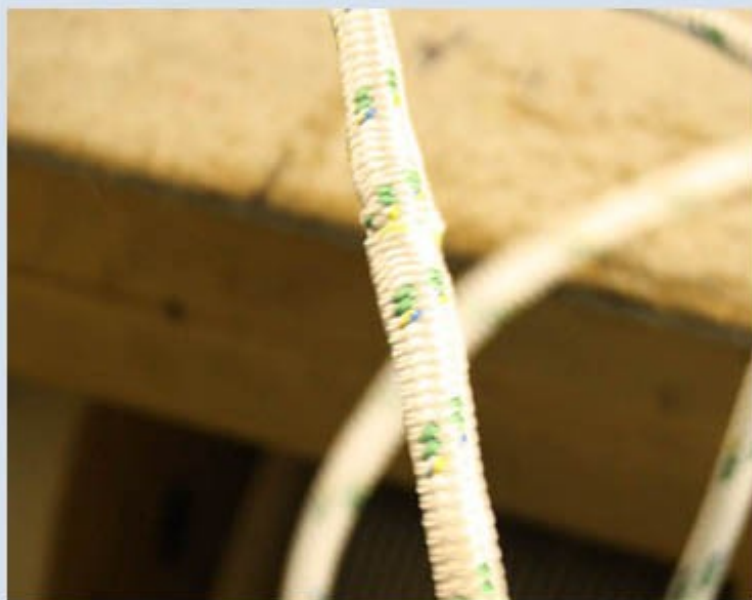
## Step 27

Pull hard from stopper knott to set splice at tightly as possible



## Step 28

Working a few strand at a time pull **slightly** from bunch and trim off until all strand are removed and splice looks like the next picture



## Step 29

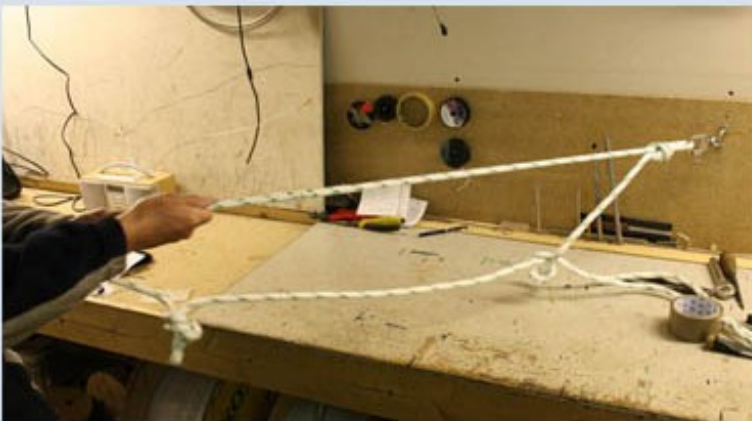
Pull the rope again to set the splice tightly





## Step 30

At approximately 80mm from both sides of splice make a stopper hitch



## Step 31

Pull from this hitch to bed splice, you will feel splice move slightly then pull from other stopper knot



## Step 32

The final splice will look like this



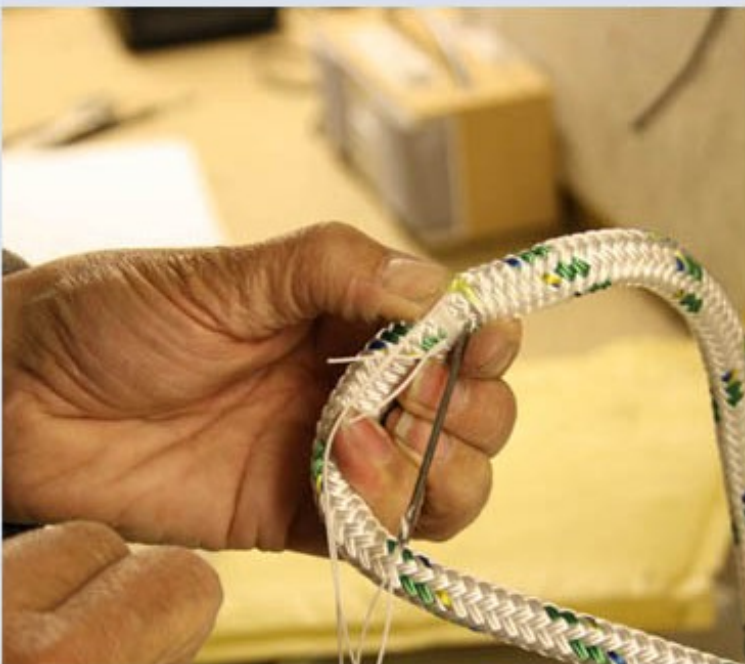
### Step 33

Thread a whipping needle with 120mm of fine whipping twine and double up, push through at intersection of splice. Pull through to leave two inch tail, pass needle through four times back and forth through rope. All stitches must be within the distance of 5mm



### Step 34

Whip around the rope trapping tail as shown, pull tightly, continue whipping back over tail for 5mm



### Step 35

Pass needle through rope at the end of whipping at a 45 degree angle





## Step 36

Continue passing needle back and forth through rope climbing about 30mm with each stitch about 200mm from splice cut whipping twine. Also trim off excess twine at splice



## Step 37

Pull rope through gear until splice reaches drum, pull back and forth through drum about ten times, this will help to the splice to bed into place

And then you're done!