



COUSIN
Trestec

ROPE INNOVATION

SP LICING GUIDE

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3-STRAND SPLICE .



Making an eye splice in 3-strand rope

Tools required for this task:

- Fid
- Adhesive tape
- Hot knife
- Knife



3-STRAND SPLICE



Place a piece of tape at a distance from the end equal to 10 times the rope diameter, e.g. 10 cm on a 10 mm rope.



Trim the end.



Tape the ends.



Tuck the bitter end's middle strand under a strand in the standing part.



Pass the bitter end's left-hand strand over the same strand in the standing part and then tuck it under the next strand.



Flip the splice over.

3-STRAND SPLICE



Tuck the bitter end's remaining strand under the standing part's remaining strand, continuing to work counter to the lay of the rope.



You have completed the first set of tucks.



Make three more sets of tucks, continuing to work against the lay of the standing part.



This is what your splice should look like.



Trim the remaining ends.



Your splice is finished.

8-STRAND SPLICE .



Making an eye splice in 8-strand rope

Tools required for this task:

- Fid
- Adhesive tape
- Hot Knife
- Knife



8-STRAND SPLICE



Trim the end with a knife.



Using a marker pen, mark the first 8 lays and then place a piece of tape.



Unlay the rope as far the tape, separating the S and Z strands.



Unlay the S strands, then tape the Z and S strands using different colours.



Tuck one of the Z strands under an S strand. The S strands move from left to right, the Z strands do the opposite.

8-STRAND SPLICE



Tuck the second Z strand under another S strand.



Flip the splice over.



Tuck one of the S strands under a Z strand.



Tuck the second S strand under a Z strand.



You've done the most difficult part, the first set of tucks.

8-STRAND SPLICE



Tuck the Z strands under the S strands, following the lay.



Flip the splice over.



Tuck the S strands under the Z strands, following the lay. You've completed the second set of tucks.



Following the same procedure, make two more sets of tucks, giving a total of four sets.



Trim the remaining ends and remove the tape.

LOCK SPLICE .



Making an eye splice in hollow-braided rope

Tools required for this task:

- Hollow needle
- Marker
- Knife



LOCK SPLICE .



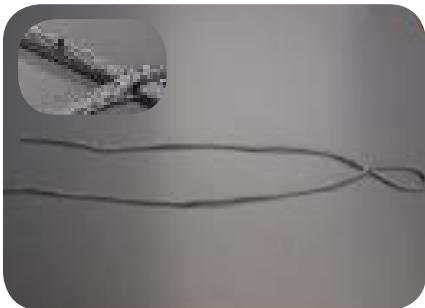
From the end, make a first mark at a distance of 100 times the diameter, e.g. 60 cm for a 6 mm rope.



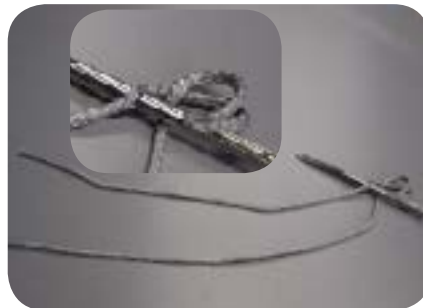
Determine the circumference of the eye and then make a second mark.



Insert the end into a hollow needle and then push it through the braid at the second mark.



The first mark must be pulled through.



At the first mark, pass the eye through the braid. Use the hollow needle to help.



Pull the eye to put the splice in place.

LOCK SPLICE .



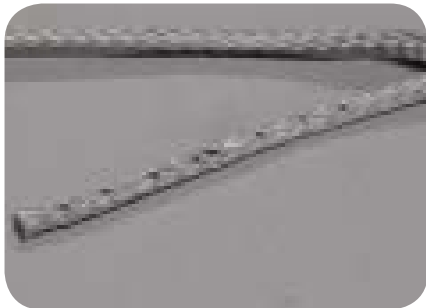
Insert the end into the hollow needle and bury the braid over a distance equal to 100 times its diameter.



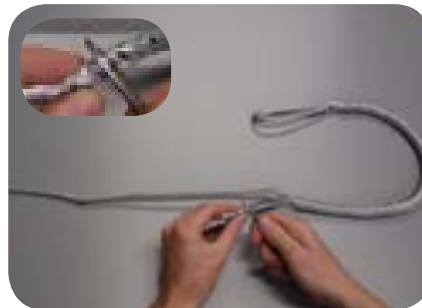
Pull out the needle.



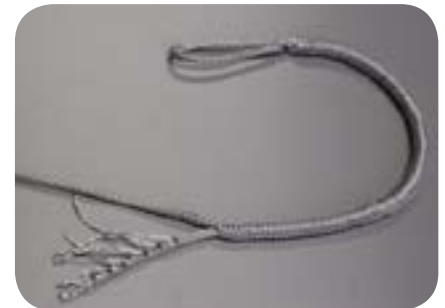
To do it right, we're now going to make a rat's tail.



Make 8 marks: Alternate strands for the first three and last three marks and two juxtaposed strands for the two central marks.



Using your needle, pull out the marked strands.



This is what it should look like.

LOCK SPLICE .



Trim the ends of the strands.



You now have a tapered end (rat's tail).



In order to reinsert the end, compact the splice.



Your splice is finished.

STRONG SPLICE .



Making an eye splice in Futuna rope

Tools required for this task:

- Knife
- Tape measure
- Marker
- Adhesive tape
- Hollow needles



STRONG SPLICE .



Tie a stopper knot about 3 m from the end.



If the rope has been hot cut, trim it with a knife.



From the end, make a first mark at a distance of 10 times the diameter, e.g. 12 cm for a 12 mm rope.



Determine your eye diameter, then make a second mark, push your marker pen in hard to mark the core as well.



At the second mark, pull out the core.



Pull the end of the core out of the cover, then make a second mark at a distance of 20 times the rope diameter, 24 cm in this instance.

STRONG SPLICE .



Using a hollow needle, insert the core into the cover.



Pull out the hollow needle 20 cm after the intersection of the eye.



Pull out the core until you reach its second mark.



If necessary, pull the core.



Smooth the cover along the core to remove excess cover.



Unlay and taper the end of the cover.

STRONG SPLICE .



Tape the end to the core.



Trim off the excess core and reinsert the end by pulling lightly on the eye.



Working from the knot, smooth the cover towards the eye; the core should completely disappear.



Your splice is finished.

TUCK SPLICE .

Making an eye splice in rope with an exotic fibre core (Dyneema, Aramid)

Tools required for this task:

- Knife
- Scissors
- Tape measure
- Marker
- Adhesive tape
- Hollow needle



TUCK SPLICE .



Tie a knot 5 m from the end.



If the rope has been hot cut, trim the end with a knife.



If your rope has an intermediate sheath, remove it from the first three metres. To do this, pull back the cover, cut the cover threads and then slide off the intermediate sheath.



Retain the intermediate sheath, which we will use later.



Expose a length of core equal to 20 times the rope diameter, e.g. 20 cm on a 10 mm rope.



Make a first mark at a distance of 40 times the rope diameter, e.g. 40 cm for a 10 mm rope. Ensure that you also mark the rope core.

TUCK SPLICE .



Measure the circumference of the eye and make a second mark; as before, don't forget to mark the core.



At the second mark, separate the cover strands and pull out the core.



Extract the core by pulling on the left-hand strand.



In the same way, pull out the core at the first mark.



At the second mark, insert the end of the core using the hollow needle.



Bury the core until the first and second marks meet, then push out the needle.

TUCK SPLICE .



You'll now make a rat's tail. From the end, make 8 marks: Alternate strands for the first three and last three marks and two juxtaposed strands for the two central marks. (See lock splice)



Pull out the marked strands and cut them at the mark; you must produce a tapered end.



Reinsert the rat's tail. To do this, smooth the braid from the start of the burial.



At the first mark, insert the intermediate sheath between the cover and the core for a length of 5 cm. Use a small hollow needle.



Reinsert the core; starting from the knot (5 m from the end), smooth the excess cover towards the eye.



Repeat the operation until the core disappears completely under the cover.

TUCK SPLICE .



Using a hollow needle, insert the remaining core into the intermediate sheath. Pull the intermediate sheath towards you in order to insert the end of the cover beneath the rope cover.



To facilitate the operation, secure your eye to a fixed point.



Once this is done, trim off the excess cover.



Your splice is finished.

SAILMAKER'S SPLICE .

Making an eye splice in polyester double-braid rope

Tools required for this task:

- Tape measure
- Marker
- Adhesive tape
- Knife
- Hollow needle



SAILMAKER'S SPLICE .



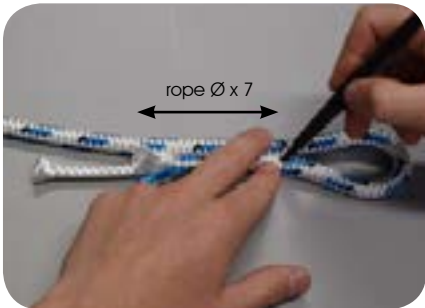
Tie a knot 3 m from the end.



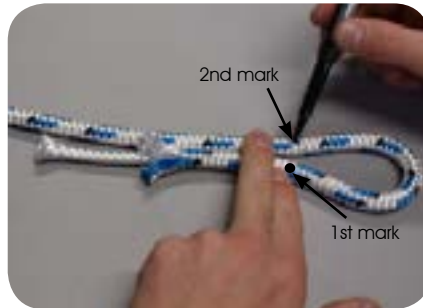
If the end has been hot cut, trim it with a knife.



Expose a length of core equal to 5 times the rope diameter; to do this, pull back the cover.



Make a first mark at 7 times the rope diameter.

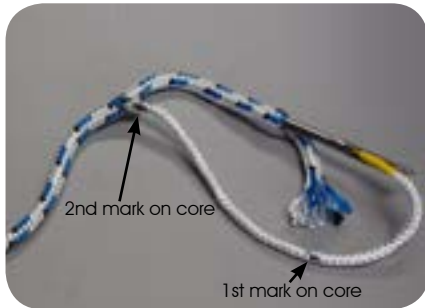


Determine your eye diameter, then make a second mark, push your marker pen in hard to mark the core as well.



At the second mark, separate the cover strands and pull out the core.

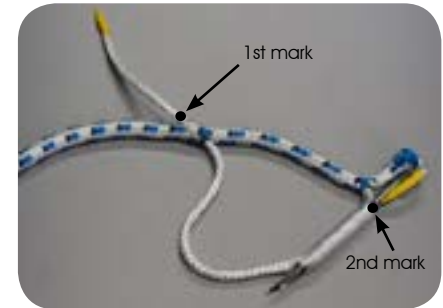
SAILMAKER'S SPLICE



Using a hollow needle, insert the core into the cover at the first mark on the cover.



Come back out 2 cm after the eye intersection; be careful not to catch any core strands.



At the second mark on the core, insert the rat's tail into the core over a length equal to its own length.



Pull out the end of the rat's tail and cut it at an angle.



From the second mark on the cover, smooth the cover over the core.



Working from the knot, smooth the excess cover towards the eye; the core should completely disappear.

SAILMAKER'S SPLICE .



Pull hard on the eye to put the splice in place, then cut the excess cover flush.



Your splice is finished.



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