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# **LOCKSTITCH BURIED SPLICE**

Tools needed:

Knife, metal fid, tape, scissors



A fid length is determined by multiplying the circumference of the rope to be spliced by 7.1. When splicing ropes such as Plasma and Spectra, 3 fid lengths are buried. Lay the rope out and mark the buried fid length with tape or marking pen.



Lay out the rope to the desired eye size



Allowing 4 picks for the lockstitch in addition to the eye size, determine the initial insertion point



The end of the rope is taped to a metal fid, which is inserted through the strand to form the first lockstitch



Care must be taken to ensure that the insertion has 6 strands on either side of fid





Pull the strand through until the mark for the buried length is completely through



Make a second lockstitch the same way the first was made



See that there are 2 picks between the lockstitches





Then skip 2 picks and make the insertion for burying the tail end of the splice.



Push the metal fid down the center of the rope being careful not to snag any strands. Run the fid down the rope slightly farther than the buried length determined earlier. Pull the metal fid out of the rope.



Overview of the project to this point:



Remove metal fid. One third of the buried length is pulled out in order to taper the end.



Strands are to be tapered in a matched “S” and “Z” pair. The first pair to be matched are at the top of the length to be tapered.



The following 4 pairs will be cut at equal intervals, until there is only one pair left full length.





The third pair:



The fourth pair:



And the last pair to taper:



Trim each pair back to the strand, and smooth the braid back out.



At this point, readjust eye to correct size, and check that lockstitches are even.



Holding from the eye, milk the strand down the buried strand toward the tapered tails. The tails will slide into the strand.





Confirm that the eye is not twisted, and is correctly sized.



Confirm that lockstitches are even and balanced.



Finish milking the rope all the way down the buried strand until picks are even and snug.

Final product:

