



Double Braid Class I Back Splice

Class I Double Braids are made from any or all of the following fibers: olefin, polyester, or nylon.

The Samson Back Splice is a neat and permanent way to terminate the end of a line. It is flexible and can be tapered to reduce bulk. To make a Back Splice half as long as described, use half measurements.

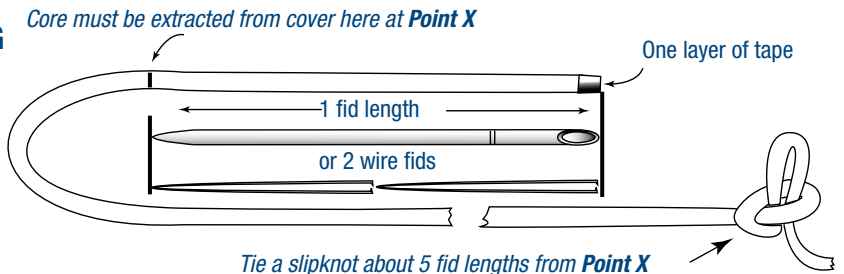


Finished splice

STEP 1 MEASURING AND MARKING

Tape end to be spliced with 1 thin layer of tape. Then, measure 1 tubular fid length (2 wire fid lengths) from end of rope and mark. This is Point X (Extraction).

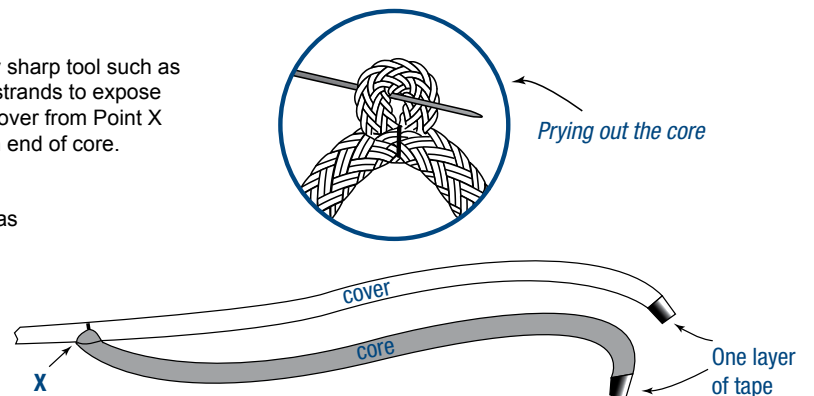
Tie a tight slipknot approximately 5 fid lengths from Point X. This must be done.



STEP 2 EXTRACTING THE CORE

Bend rope sharply at Point X. With pusher or any sharp tool such as an ice pick, awl, or marlin spike, separate cover strands to expose core. First pry, then, pull core completely out of cover from Point X to the taped end. Put 1 layer only of tape on end of core.

To assure correct positioning of Mark 1 do the following. Holding exposed core, slide the cover as far back towards the tightly tied slip knot as you can. Then, firmly smooth cover back from slip knot towards the taped end. Smooth again until all cover slack is removed. Then, mark core where it comes out of the cover. This is Mark 1.

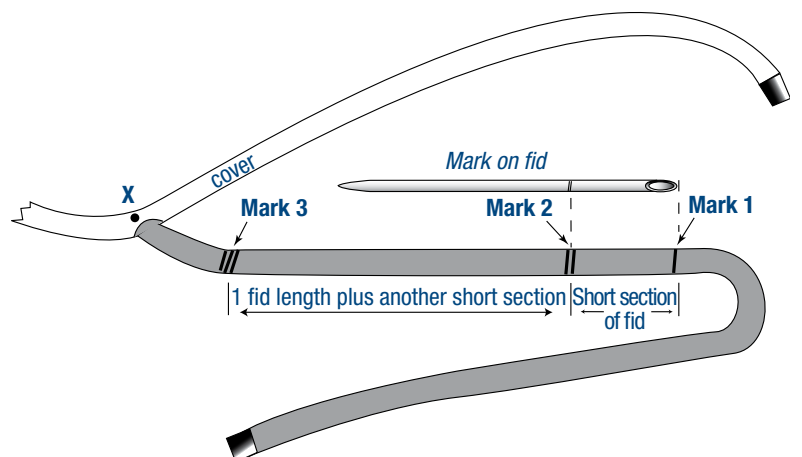


STEP 3 MARKING THE CORE

Again, slide cover toward the slipknot to expose more core.

From Mark 1 measure along core towards Point X a distance equal to the short section of fid and make 2 heavy marks. This is Mark 2 (double measurements with wire fid.)

From Mark 2 measure in the same direction 1 fid length plus another short section of the fid and make 3 heavy marks. This is Mark 3 (double measurements with wire fid.)





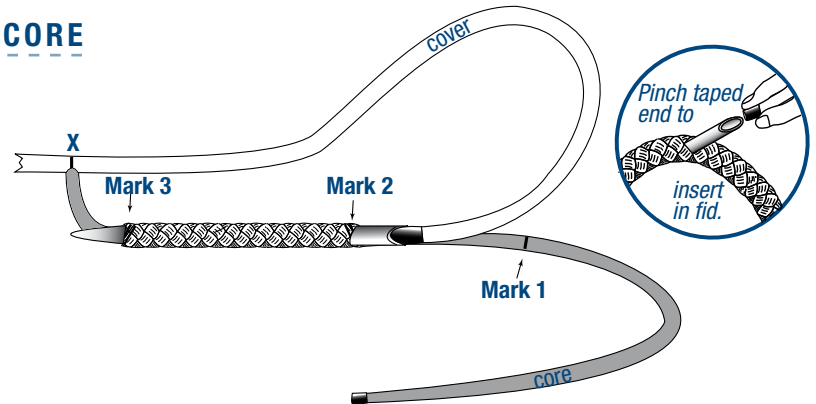
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STEP 4 PUTTING THE COVER INSIDE CORE

Insert fid into core at Mark 2. Slide fid through and out at Mark 3.

Pinch taped end of cover, jam it tightly into hollow end of fid. Hold core lightly at Mark 3, place the pusher point into the taped end, and push fid and cover through from Mark 2 and out at Mark 3. When using wire fids for larger size ropes, attach fid to taped cover.

After fid is attached, milk the braid over the fid while pulling fid through from Mark 2 to Mark 3.

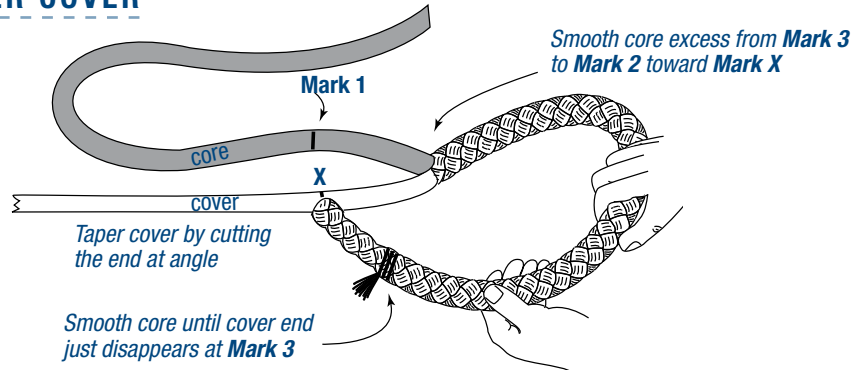


STEP 5 ADJUSTING THE CORE OVER COVER

Remove tape from cover end. Cut cover strands at an angle to avoid blunt end.

Smooth core from Mark 2 toward Mark 3 until cover ends just disappear inside.

Next, holding core at Mark 3, smooth core from Mark 3 to Mark 2. Do this until all excess is eliminated.

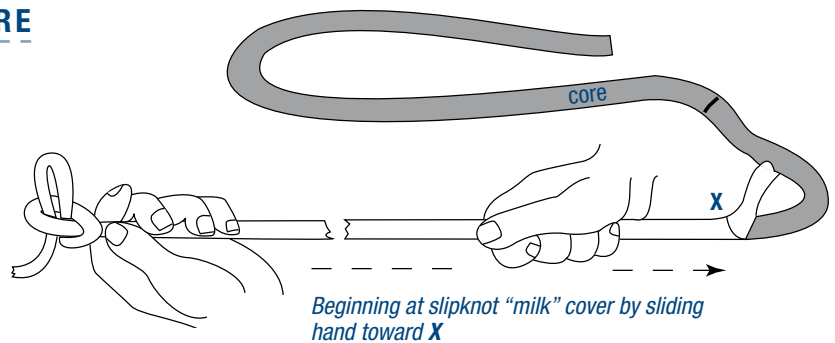


STEP 6 BURYING THE EXPOSED CORE

Hold rope at slipknot and with other hand, milk the cover toward splice, gently at first, and then more firmly. The cover will slide over Mark 3, Mark 2, and finally Point X.

Be sure all excess cover is milked out so that Point X (which will show as a bump) is well inside the cover.

If final burying is difficult, flex the splice back and forth to loosen the strands, then continue burying.



STEP 7 FINISHED SPLICE

Cut the protruding core off close at the cover. Once again milk cover firmly towards the end so that it covers the cut off core.



Finished Back Splice