

BACK SPLICE - Class 1 Double Braids



Class 1 Double Braids are made from any or all of the following fibers: olefin, polyester, or nylon.

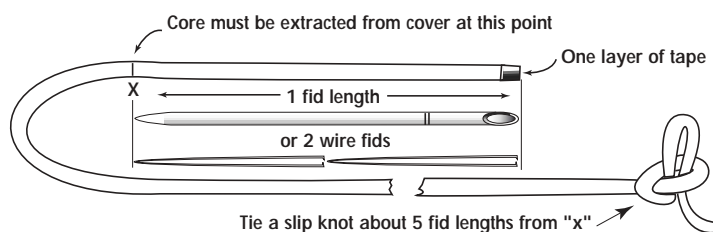


The Samson Back Splice is a neat and permanent way to terminate the end of a line. It is flexible and can be tapered to reduce bulk. To make a Back Splice half as long as described, use half measurements.

Step 1...Marking the measurements

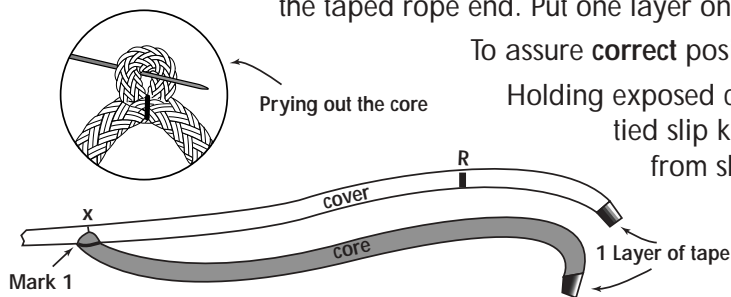
Tape end to be spliced with one thin layer of tape. Then, measure one tubular fid length (2 wire fid lengths) from end of rope and mark. This is Point X (Extraction).

Tie a tight slip knot approximately five fid lengths from X. **This must be done.**



Step 2...Extracting the cores

Bend rope sharply at 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 X to the taped rope end. Put one layer only of tape on end of core.



To assure **correct** positioning of Mark 1 do the following.

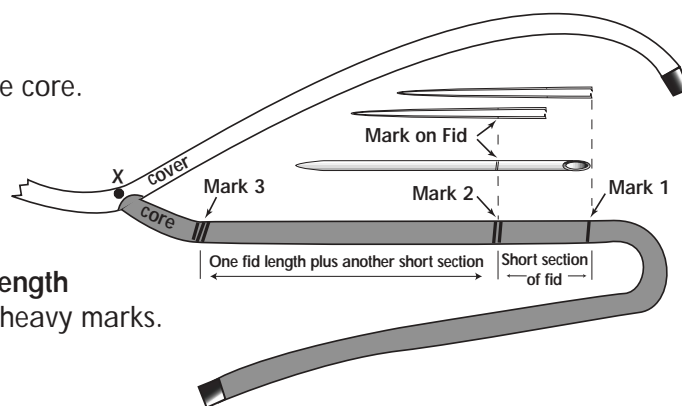
Holding exposed core, slide the cover as far back towards the tightly tied slip knot as you can. Then, firmly smooth cover back from slip knot towards the taped end. Smooth again until all cover slack is removed. Then, mark core where it comes out of the cover. This is Mark 1.

Step 3...Marking the core

Again slide cover towards the slipknot to expose more core.

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

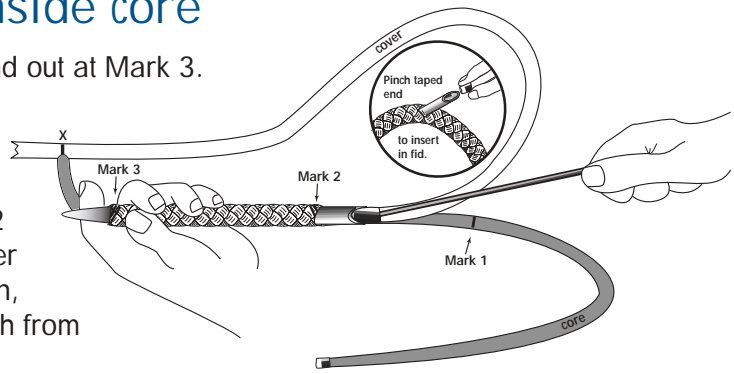
From Mark 2 measure in the same direction **one fid length plus another short section** of the fid and make three heavy marks. This is Mark 3 (double measurements with wire fid).



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 (see inset). 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 on, milk the braid over the fid while pulling fid through from Mark 2 to Mark 3.

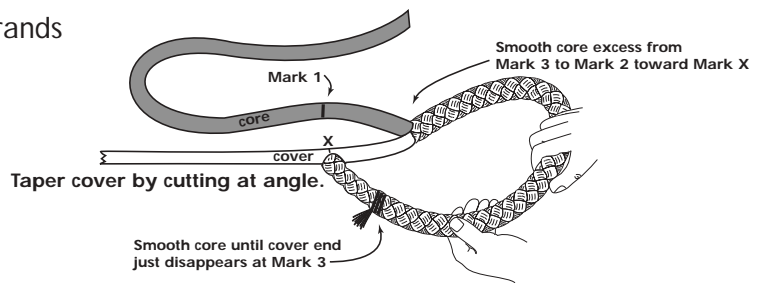


Step 5...Adjusting the core over cover

Remove tape from cover end. Cut (trim) cover strands at an angle (taper) to avoid blunt end.

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

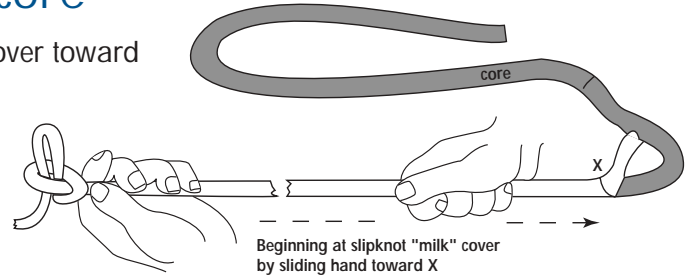
Next, holding core at Mark 3, smooth core from Mark 3 to Mark 2. Do this until all excess is eliminated.



Step 6...Burying the exposed core

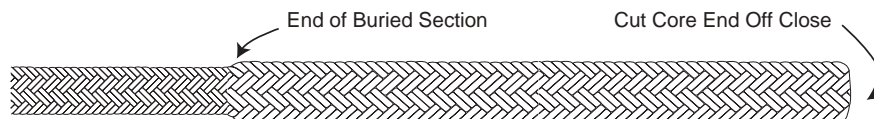
Hold rope at slipknot and with other hand, milk the cover toward splice, gently at first, and then more firmly. The cover will slide over Mark 3, Mark 2, and finally X. Be sure all excess cover is milked out so that X (a bump) is well inside the cover.

If final burying is difficult, flex the splice 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.



Splicing instructions are intended only for use by those with experience and knowledge in splicing techniques. Samson cannot be held liable for the performance of splices done by non-Samson personnel.

samsonrope.com

2090 Thornton Street , Ferndale, WA 98248
{T} (800) 227-7673 / (360) 384-4669
{F} (800) 299-9246 / (360) 384-0572

SAMSON

©2004 Samson Rope Technologies 4.5.04