Splice for All Gear 'Branch Saver' Support System

This type of support system must be done after the branch to be supported has been pre-tensioned with a tensioning system that can be released under control.
This type of support system cannot be installed on a limb or branch that is not "pre-tensioned". Installing without first pre-tensioning will result in splice failure and possible injury to the installer.

This splice is very similar to the "Red Book" brummel splice for hollow braid ropes.

1. From the end measure 31" and tape or mark it. At the end, cut at a 45° angle to form taper. Doing this will help insert the rope at the tucks and for the bury. Bunch the angled cut end together and tape it forming a point.
2. Form the desired eye size, leaving enough excess space for the limb to grow, so the rope doesn't "choke" the limb in the near future. The "angle" of the splice should not be less than 30°, or too much force will be on the rope fibers, creating an improper splice. A 45 - 60° angle is desired.
3. Pinch the rope together at the desired eye size and insert the splicing tool through the strand, making sure to go through the middle of the strand.
4. Insert the taped end into the tool and pull the tool and excess rope through to form the eye, keeping the rope in a straight line fashion, no twists, and maintaining a 45 - 60° splice angle. In splicing terms, this is called "a tuck".
5. From the exit point, count down 8 pairs of strands and insert the splicing tool, making sure to go through the middle of the strand, so the end of the rope will go through in the opposite direction as the first tuck.
6. Insert the rope in the tool and pull the tool and rope through the strand of the rope, keeping the tucked end free of twists. Pull with enough tension to keep both rope parts together (in line), but not tight enough to bunch up. Both parts of rope should look uniform. Temporarily tape the 2 parts of rope together between the 1st and 2nd tuck. This will prevent the end from getting pulled in farther and help maintain the 45 - 60° splice angle while performing the bury portion of the splice.
7. From the last exit point, count down 8 pairs of strands and make a mark. This is "entry point A". This will be the next entry point to bury the end of the rope inside the 'supporting' rope. From entry point A, measure 30" and mark it. This is "exit point B".

8. Insert the splicing tool in “A” and exit at “B” making sure not to catch any rope strands between the 2 during the process. Insert the end of the rope in the splicing tool and push the tool and the rope through the center of the support rope until they both exit at point “B”. Grab the end of the rope and pull tight while pushing back the support rope, bunching it up, making sure the buried portion of the rope has no twists in it.
9. Remove the tape from the end of the rope.
10. Hold the support rope at the taped portion between the 1st and 2nd tuck and starting and at ”A”, smooth the rope over the buried portion, keeping the bury free of twists, sucking the end of the rope inside the support section. The end of the rope will get completely buried inside the support section of the rope.
11. The finished spice should have a smooth transition with no increases in diameter during the entire length of the bury.