

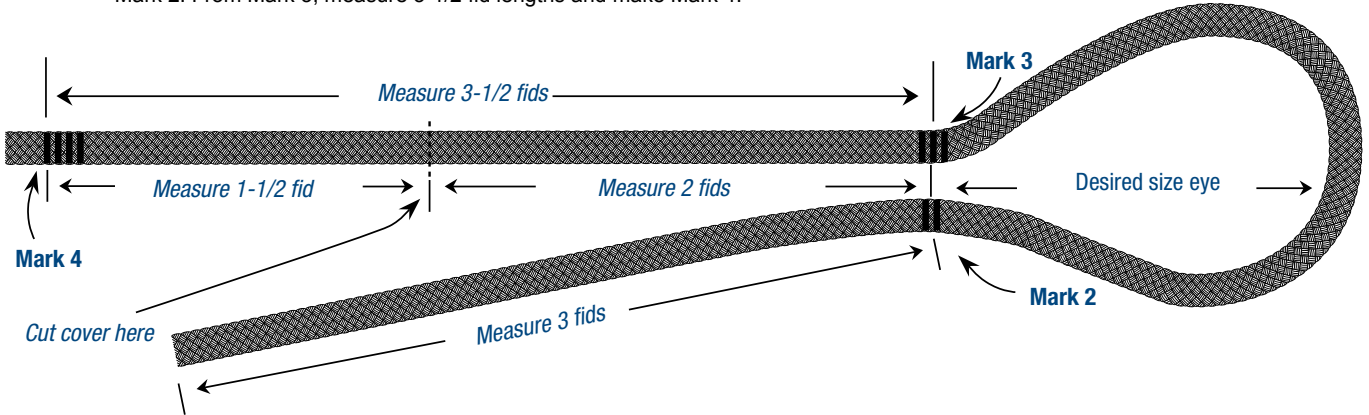


Double Braid Class II Eye Splice for TS-II Turbo™

STEP 1 MEASURING AND MARKING

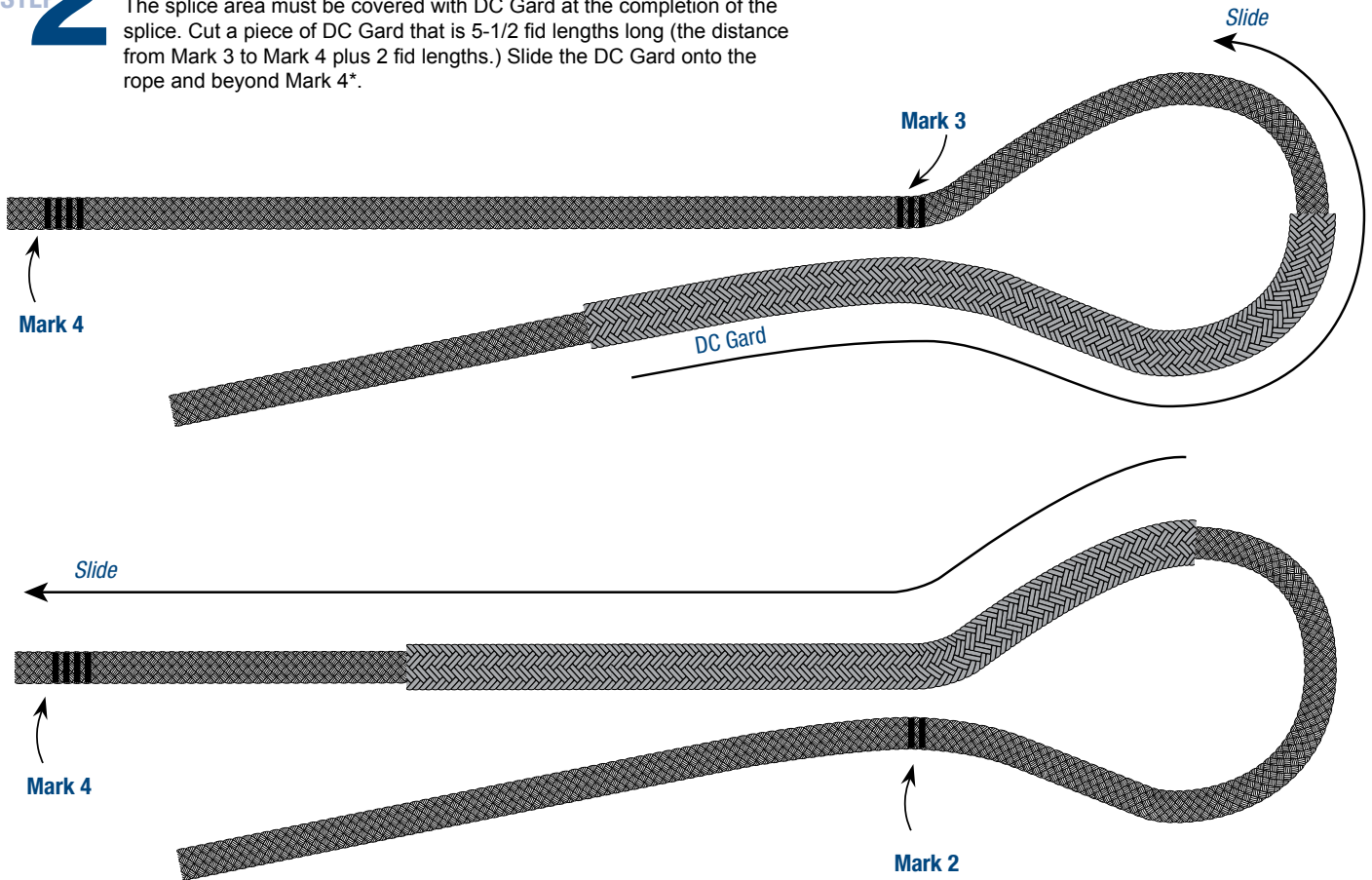
The measurements are the same as those for the direct bury eye splice for Class II ropes. Measure 3 fid lengths from the end and make Mark 2.

Form the desired size of the eye, and make Mark 3 adjacent to Mark 2. From Mark 3, measure 3-1/2 fid lengths and make Mark 4.



STEP 2 INSTALLING DC GARD FOR SPLICE AREA

The splice area must be covered with DC Gard at the completion of the splice. Cut a piece of DC Gard that is 5-1/2 fid lengths long (the distance from Mark 3 to Mark 4 plus 2 fid lengths.) Slide the DC Gard onto the rope and beyond Mark 4*.



*For field splicing, replace DC Gard with whipping twine. See instructions for whipping on page 182 for more information.



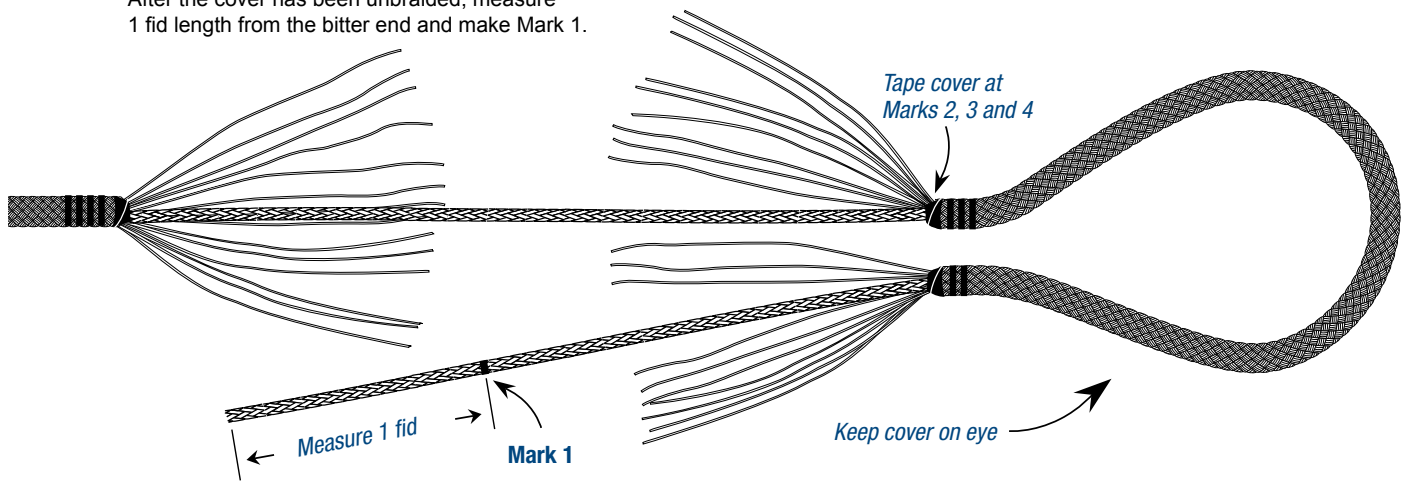
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STEP 3 UNBRAIDING COVER

Tape the rope at Marks 2, 3 and 4. From Mark 3, measure 2 fid lengths towards Mark 4. Mark this point, then cut the cover completely around the circumference of the rope. Be careful not to cut any of the core strands or yarns.

Unbraid the cover from the cut towards Mark 4, and from the cut towards Mark 3. The cover is left intact around the eye, from Mark 2 to Mark 3. With the cover unbraided, transfer Mark 2 and 3 to the core.

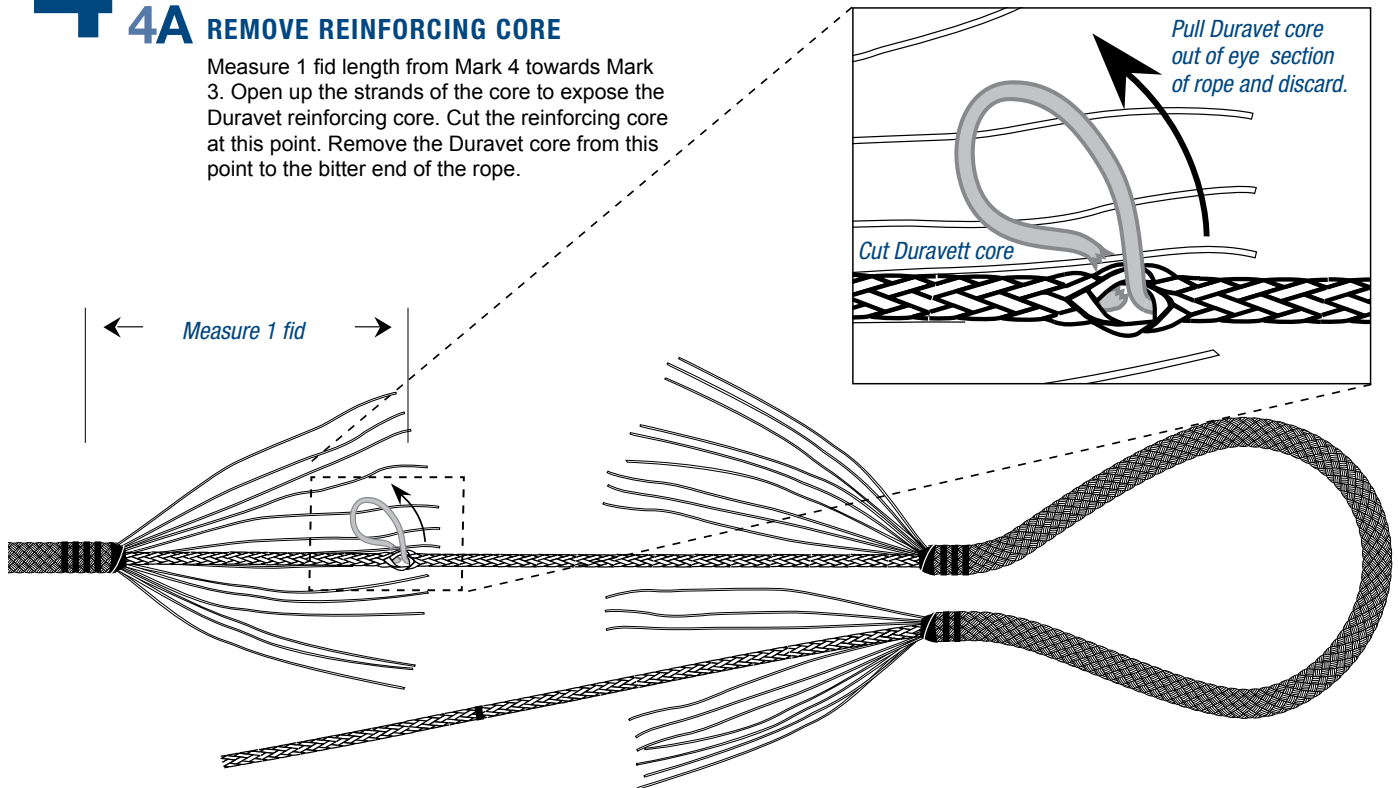
Unbraid the cover from the bitter end to Mark 2. After the cover has been unbraided, measure 1 fid length from the bitter end and make Mark 1.



STEP 4 PERFORMING EYE SPLICE

4A REMOVE REINFORCING CORE

Measure 1 fid length from Mark 4 towards Mark 3. Open up the strands of the core to expose the Duravet reinforcing core. Cut the reinforcing core at this point. Remove the Duravet core from this point to the bitter end of the rope.

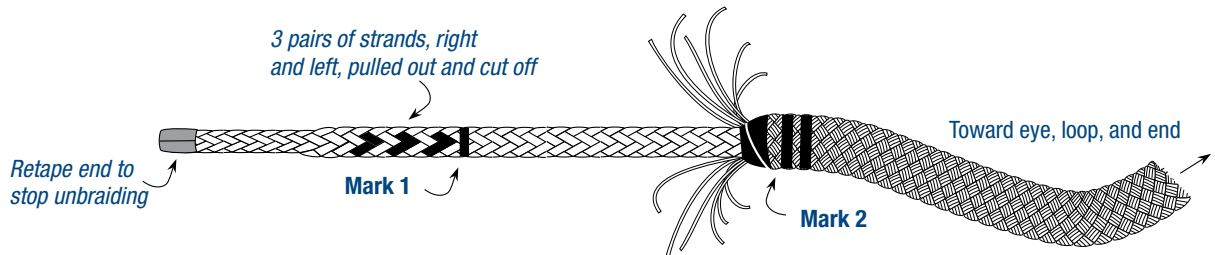




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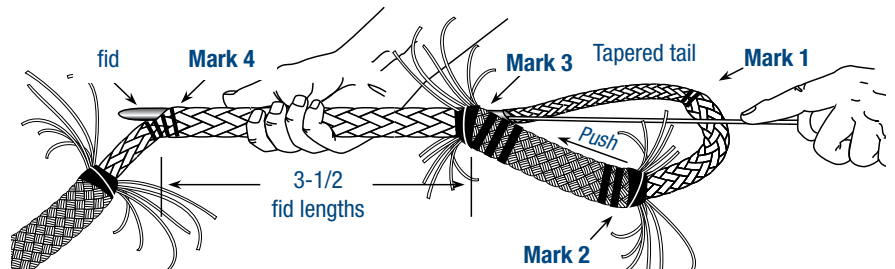
4B MAKING TAPER

From Mark 1, in the direction of the bitter end of the line, mark every second right and left strand for 3 strands. Cut every marked strand and pull out of line (tape at end can cause resistance and may have to be removed in order to pull out cut strands.) Tapered end will now have only 6 strands remaining. Tape tapered tail tightly to keep from unbraiding.



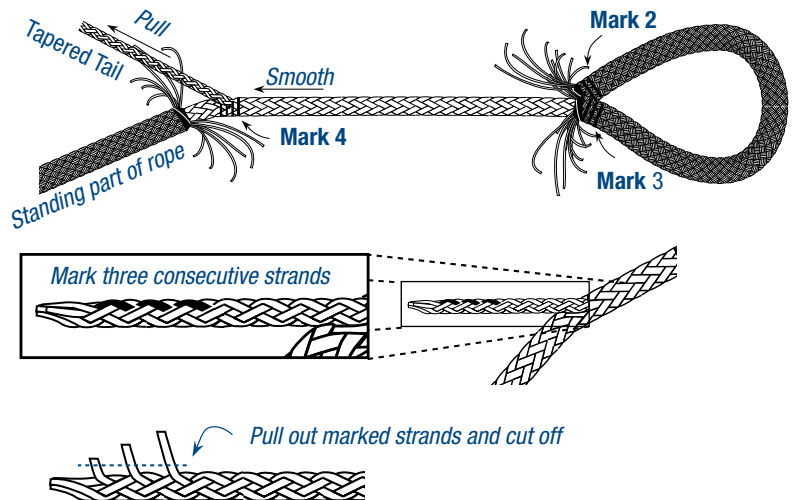
4C BURYING TAIL INTO STANDING PART OF LINE

Measure 3-1/2 tubular fid lengths from Mark 3 on the core and make Mark 4 on the core. Insert fid and tapered tail at Mark 3 and bring fid out at Mark 4. You may need to slide the cover back at Mark 4 slightly. Pull fid and tapered tail out. Don't let the line twist. Use care when the tail passes the cut end of the Duravet core.



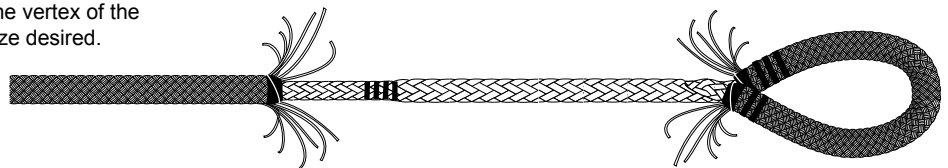
4D FINISH BURYING TAIL

Pull tail out of the rope to expose the previously tapered area. Remove the fid and any tape at the end of the tail. From the end of the tail, mark 3 consecutive strands, as shown. Pull them out of the braid and cut off close to the body of the rope. Now, using both hands and the weight of your body, smooth the cover slack from Mark 3 towards Mark 4. The tail will disappear into the rope, and a smooth, gradual taper should result.



4E FINISHING EYE SPLICE

When finished, Mark 2 and Mark 3 should be at the same point in the vertex of the eye—which yields eye size desired.



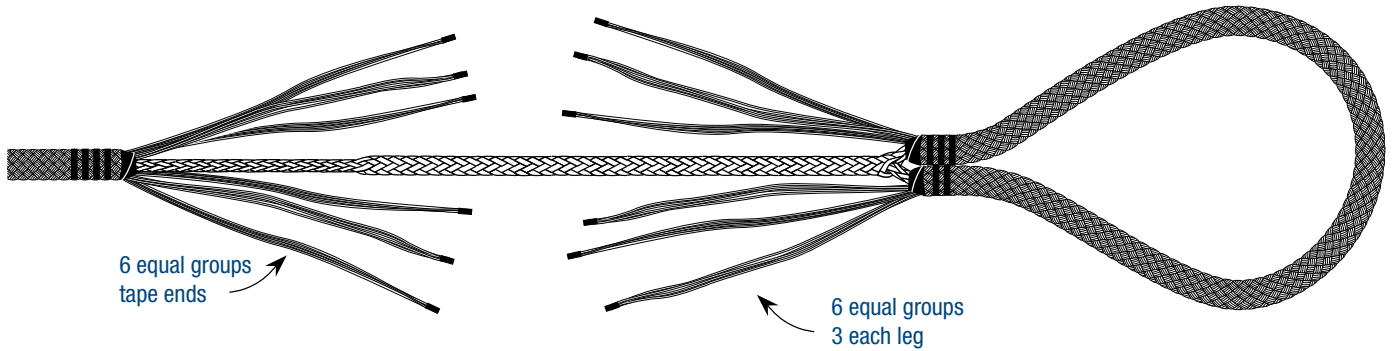


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STEP 5 GROUPING COVER STRANDS

At Mark 4, divide the cover strands into 6 equal groups. Tape the ends securely.

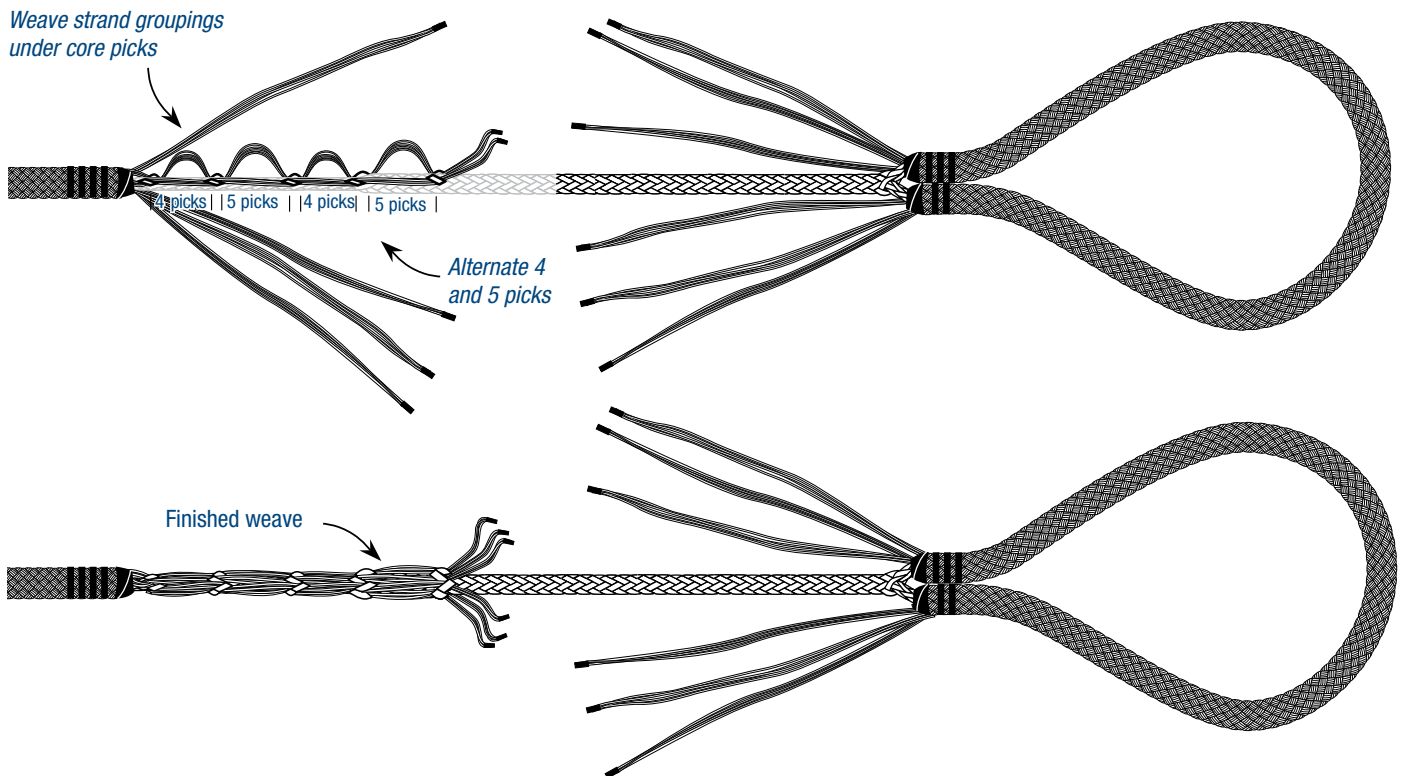
At the vertex of the eye, group the cover strands at Mark 3 into 3 equal groups, and group the strands at Mark 2 into 3 equal groups. Tape the ends of each strand.



STEP 6 WEAVING COVER GROUPINGS: WORKING END

Now, working from Mark 4 towards Mark 3, make 5 tucks with the cover strands into the core in the following pattern: under 1 strand, over 4 strands, under 1 strand, over 5 strands, under 1 strand, over 4 strands, under 1 strand, over 5 strands, under 1 strand.

These tucks proceed straight down the axis of the rope. Tuck all 6 strand groups in the same pattern

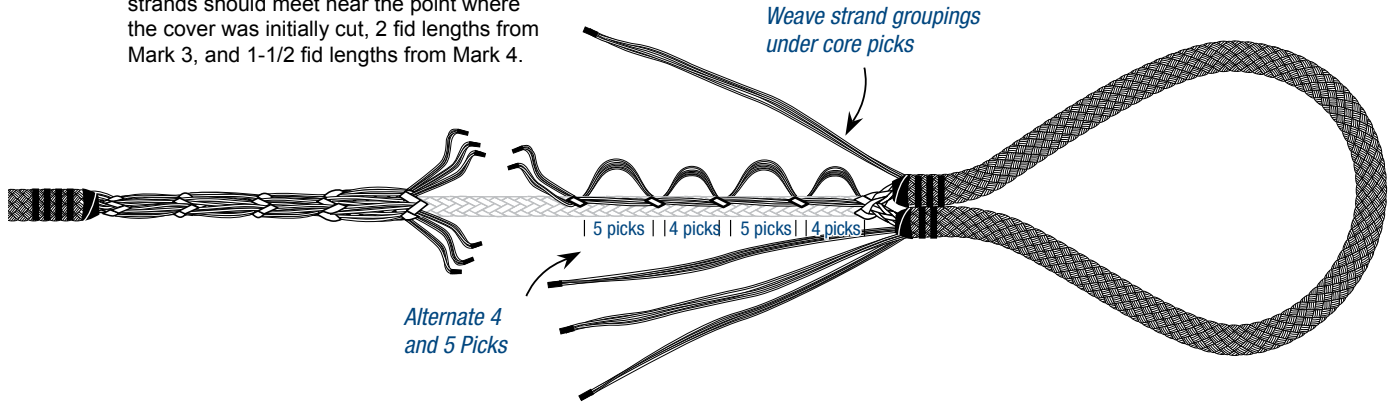




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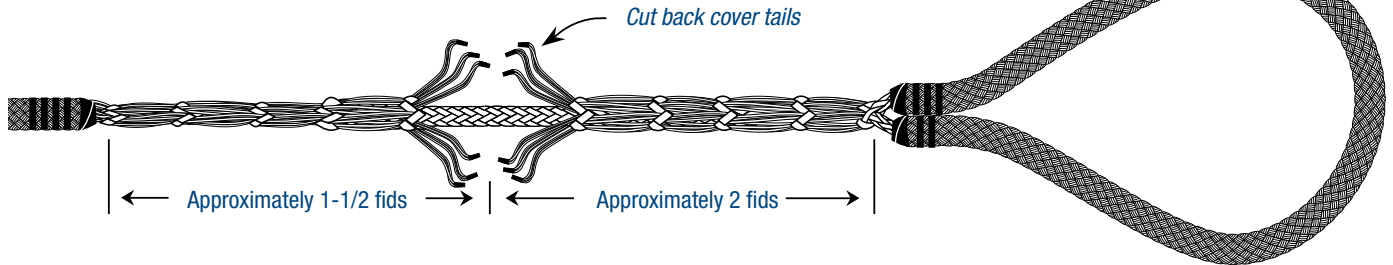
STEP 7 WEAVING COVER GROUPINGS: EYE END

Working from the eye towards Mark 4, perform 5 tucks of the cover strands in the same alternating pattern; over 1 and under 4, over 1, under 5. The 2 groups of cover strands should meet near the point where the cover was initially cut, 2 fid lengths from Mark 3, and 1-1/2 fid lengths from Mark 4.



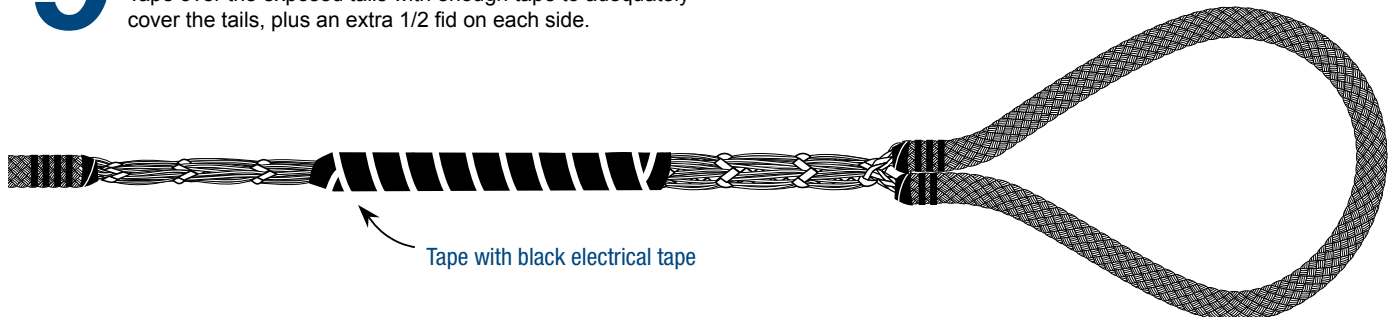
STEP 8 TRIMMING BACK TAPED TAILS

Cut back the cover tails leaving a 1/2 fid length of tail exposed and arrange them so they lay as close to the body of the rope as possible. Tape them down.



STEP 9 TAPING TAILS

Tape over the exposed tails with enough tape to adequately cover the tails, plus an extra 1/2 fid on each side.

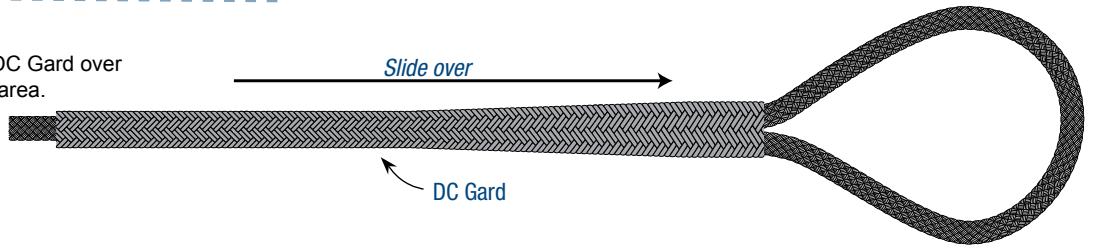




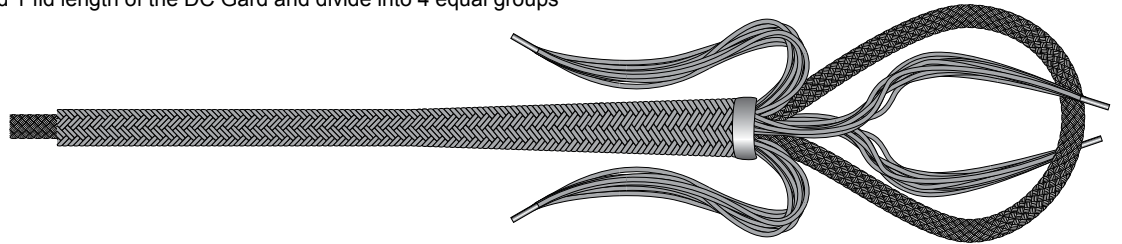
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STEP 10 ATTACHING DC GARD COVER

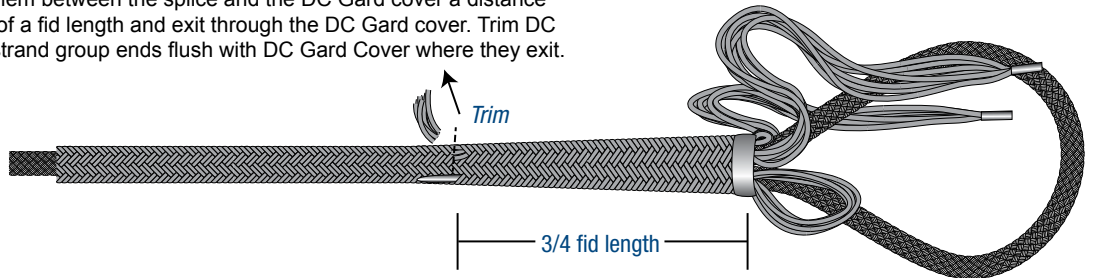
10A Slide DC Gard over splice area.



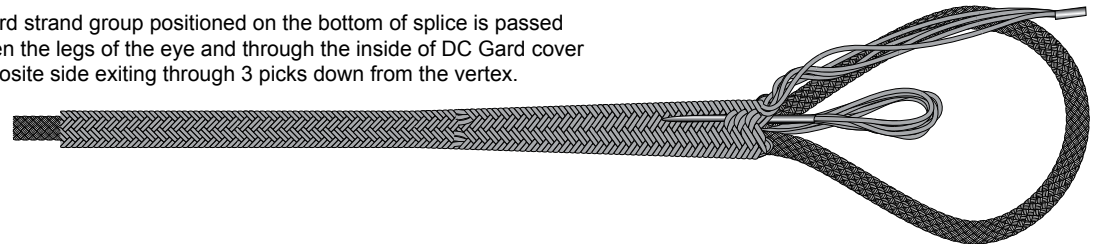
10B Unbraid 1 fid length of the DC Gard and divide into 4 equal groups



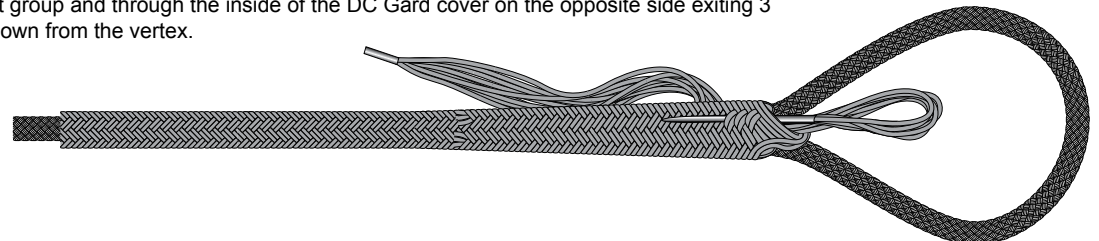
10C Insert the strand groups on the sides of the splice into a tubular fid pass them between the splice and the DC Gard cover a distance of 3/4 of a fid length and exit through the DC Gard cover. Trim DC Gard strand group ends flush with DC Gard Cover where they exit.



10D DC Gard strand group positioned on the bottom of splice is passed between the legs of the eye and through the inside of DC Gard cover on opposite side exiting through 3 picks down from the vertex.



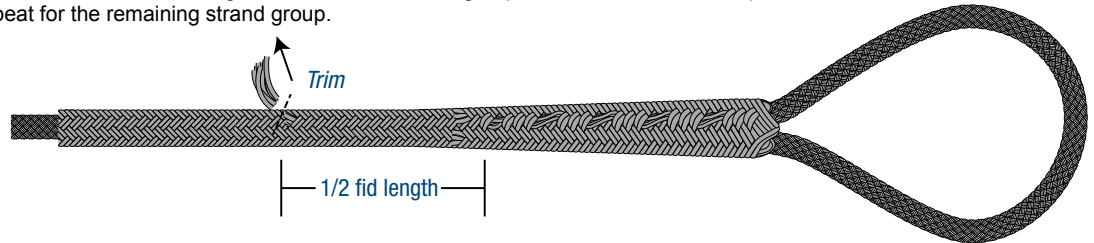
10E Remaining DC Gard strand group will pass through the eye in the opposite direction from the first group and through the inside of the DC Gard cover on the opposite side exiting 3 picks down from the vertex.



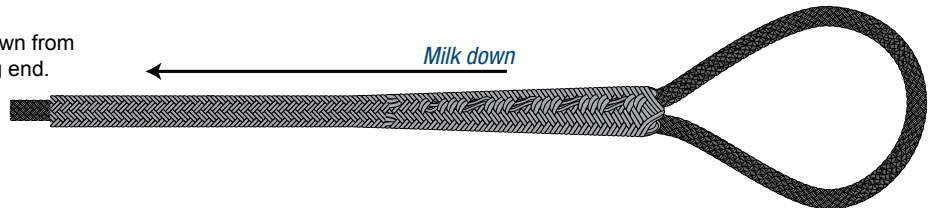


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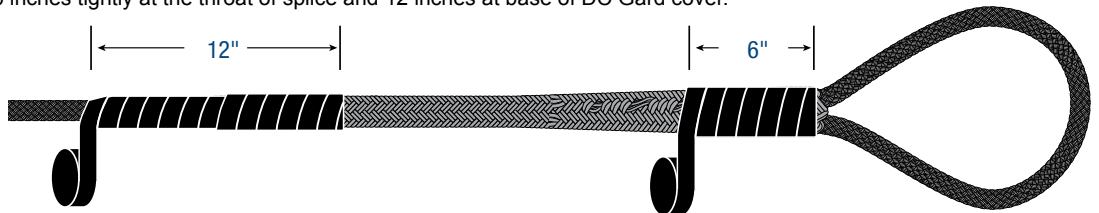
10F Begin tucking DC Gard strand groups over 2 strands and under 3 strands (1 tuck) and complete 4 tucks. Bury the remaining length of strand groups between DC Gard cover and rope a minimum of 1/2 a fid length, trim DC Gard strand group flush with cover. Turn rope over and repeat for the remaining strand group.



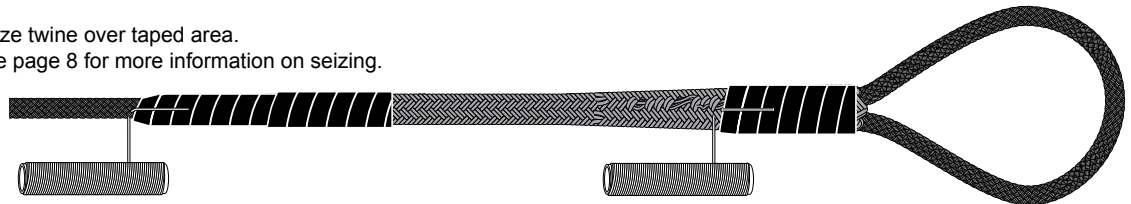
10G Milk DC Gard cover down from eye the toward working end.



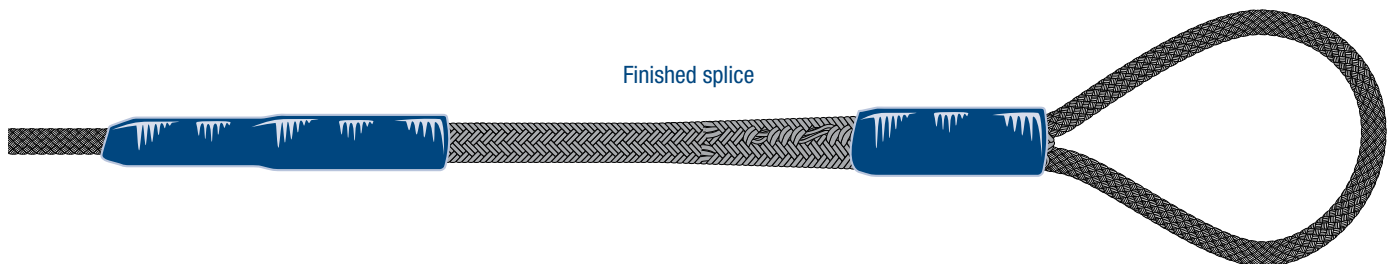
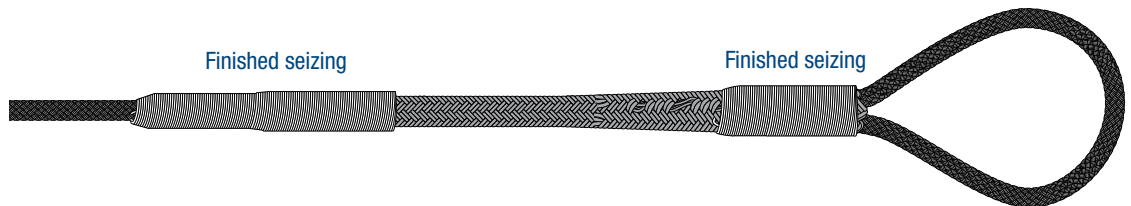
10H Tape 6 inches tightly at the throat of splice and 12 inches at base of DC Gard cover.



10I Seize twine over taped area. See page 8 for more information on seizing.



10J Apply two-part urethane over seized area.

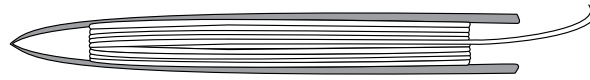




Seizing Finished Splice

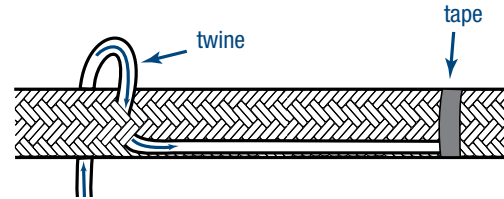
STEP 1

Attach twine to netting needle.



STEP 2

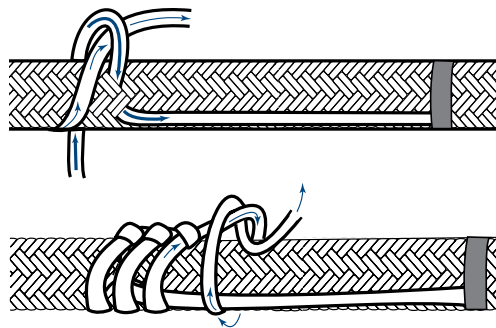
Pass the free end of the twine under a couple of strands in the cover and pull enough twine through to extend beyond the area to be seized.



2A Tape the free end of the twine to the opposite side of the area to be seized.

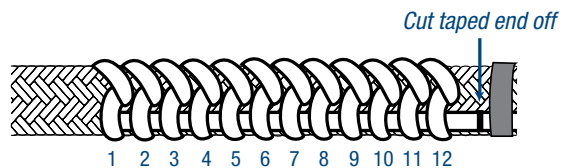
STEP 3

Start seizing. Wrap the needle around the circumference of the rope 1 complete turn. Pass the netting needle under the complete wrap left to right. Pull the loop tight. Pull the needle up maintaining tension on the completed half hitch and then quickly pull back down to lock the half hitch in place.



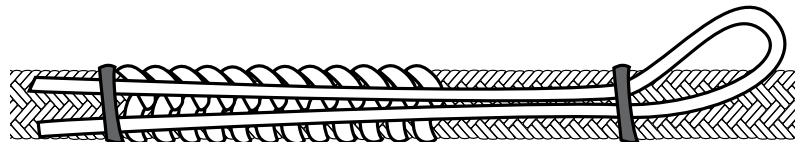
STEP 4

Continue with this procedure until the seized area is approximately 1/2 of the desired length, then cut off the taped end near the last wrap.



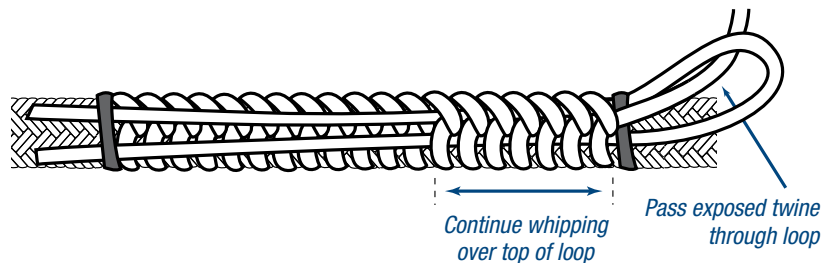
STEP 5

Using some spare twine, tape a loop that covers the length of the intended seizing distance, letting the 2 free ends of the looped twine lay over the completed seizing. Tape the free ends of the loop past the already seized area.



STEP 6

Continue seizing for the desired total length over the top of the looped twine. After seizing is complete, pass the exposed seizing twine through the loop. Remove the tape on the looped twine and pull the ends to draw the loop under the seizing.



STEP 7

Pull the loop through the seized area. This should place the remaining seizing twine under the seized area. Cut off any excess twine.

