

3-Strand Class I Eye Splice

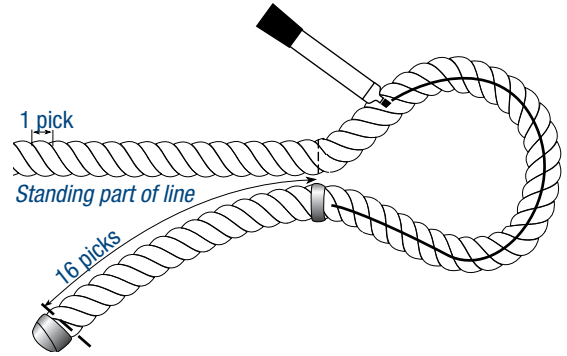


Class I ropes are made from any or all of the following fibers: olefin, polyester, or nylon.

The eye splice is used to place a permanent loop in the end of a rope, generally for attachment purposes to a fixed point. An eye is also used to form the rope around a thimble, which is used to protect the rope, especially when it is to be attached to a shackle, chain, or wire rope.

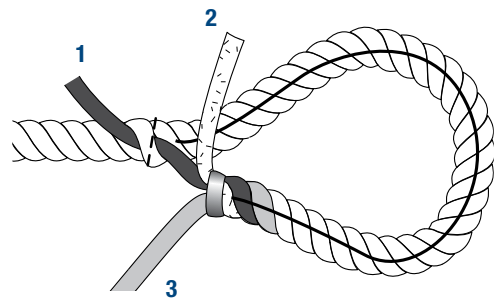
Although the 3-strand splice is the most common splice, and simple to perform, technique is important to preserve splice strength. Take care that the tucks lie neatly, as rope strength can be lost if the strands are twisted incorrectly.

Getting Started: From one end of the rope, count back 16 picks. Tape this section. Unlay the rope up to the tape then tape the end of each strand. Form the eye and mark a line around the standing part of the rope that will touch all 3 strands. Your individual taped strands will tuck under these marks. Draw a line on the eye for visual reference (optional).



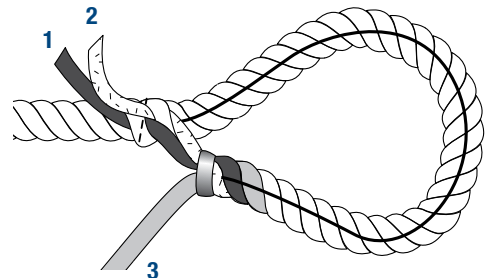
STEP 1 TUCKING FIRST STRAND

Note the mark around the standing part of the rope that touches all 3 strands. Your individual taped strands will tuck under these marks. Tuck the middle strand (Strand 1) under the nearest marked pick.



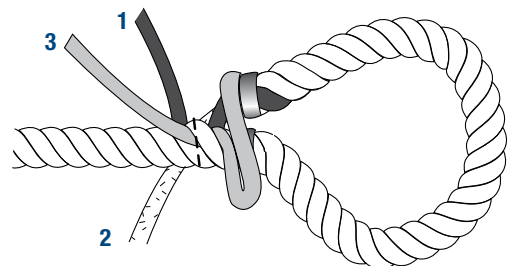
STEP 2 TUCKING SECOND STRAND

Tuck Strand 2 under the marked pick behind Strand 1.



STEP 3 TUCKING THIRD STRAND

Turn the entire piece over. There is 1 working strand left to tuck and there is 1 strand left in the standing part of the rope that does not have a working strand under it. Make this tuck, continuing to tuck counter to the lay or twist of the rope. The first round of tucks is complete. Remove the tape, then tighten if necessary by pulling on the strand ends.



STEP 4 FINISHING THE SPLICE

Continue tucking the taped strands down the body of the rope. A tuck consists of skipping over the strand below and tucking under the next 1. When all 3 strands are tucked in this manner, 1 round of tucks is complete.

To finish the splice, perform 4 more complete tucks. Both the front and back of the splice should resemble the illustrations shown.

