



TUCK BURY SPLICE 12-STRAND – HMPE ONLY

The Tuck Bury splice is designed as a short splice for HMPE (Dyneema® fiber) 12 strand ropes only.

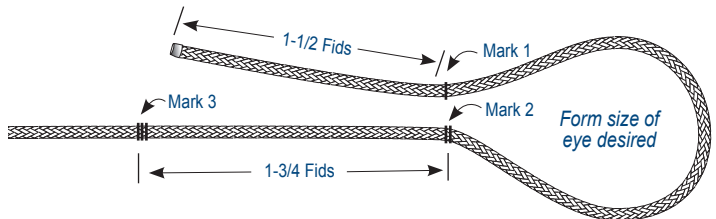
Additional rope needed for splice:
1-3/4 fid lengths plus length of eye;
with thimble: 1-3/4 fid lengths plus 1/2
circ. in feet.

STEP 1 MEASURING AND MARKING

Tape end to be spliced. Then measure 1-1/2 fid lengths from the bitter end and mark. This is Mark 1. Put tight tape wrap at Mark 1.

1A From Mark 1, form a loop the size of the eye desired and mark. This is Mark 2.

1B From Mark 2, measure down the rope 1-3/4 fids and mark. This is Mark 3.



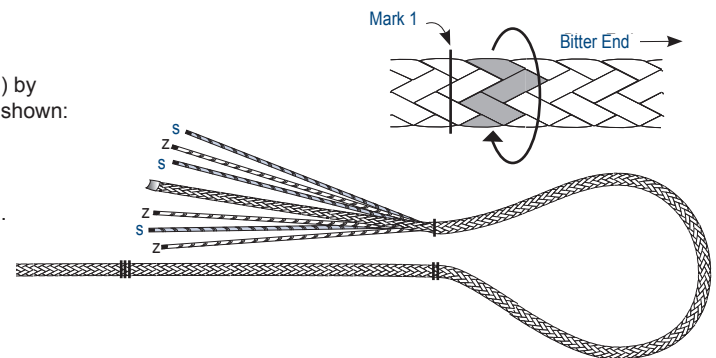
STEP 2 TAPERING THE TAIL

At Mark 1, pull out half the strands (three "S" and three "Z") by rotating around the rope, pulling out strands in the pattern shown:

Z Strand = counter clockwise twist
S Strands = clockwise twist

This should leave six strands still braided down the middle. Tightly tape the ends of the six individual strands, and the end of the remaining braided portion.

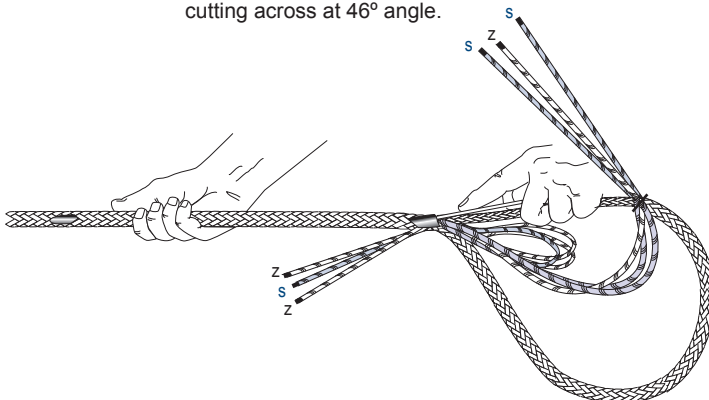
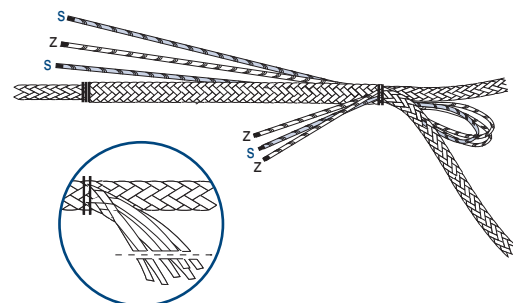
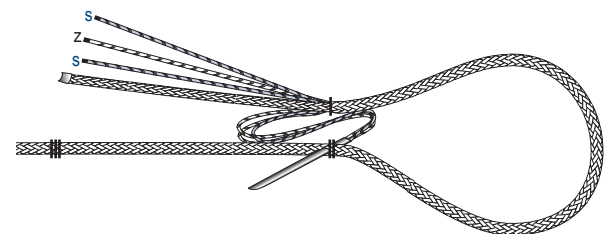
2A On one side you should have two "S" and one "Z" and on the other side, two "Z" and one "S".



STEP 3 BURYING THE TAIL

3A Pass the three strands closest to Mark 2 through the rope at Mark 2. Do not pull strands all the way through at this stage.

3B With all six strands that are still braided, start to bury them down the center of the rope, entering at Mark 2 and exiting at Mark 3. Tail should enter standing part at the same point where the three strands pass through the rope. Pull the tail out until Marks 1 & 2 meet. Taper end of tail by cutting across at 46° angle.

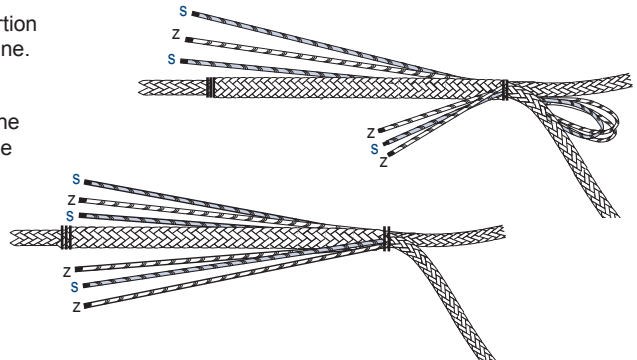




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3C Smooth bunched line away from eye. The braided portion of the tail should disappear into the standing part of line.

3D When the braided section is buried, make sure that the three strands that have been passed through the rope are all the way through, with no slack in the strands.

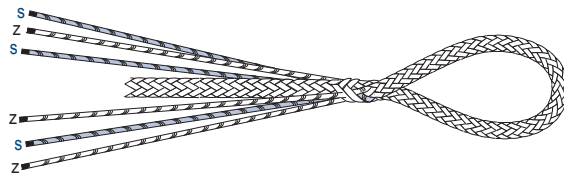


STEP 4

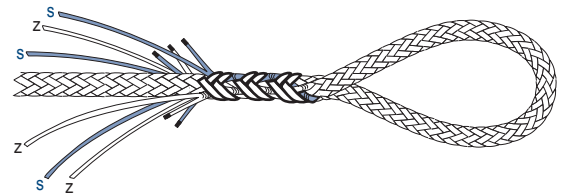
TUCKING THE STRANDS

Start the tuck splice the same way as a standard tuck splice. One complete tuck consists of passing a strand over one strand and under two strands.

4A Do three complete tucks for all six strands. Each strand is always tucked under the same line of the braid so that the tucks progress straight down the body of the rope.



4B After completing the first three tucks remove 1/2 of the volume of the twisted yarns from each of the six strands near the taped ends and complete three more tucks with the reduced volume strands.



STEP 5

FINISHING THE SPLICE

After completing the second set of three tucks, cut off the excess material and tape the ends. Leave enough of an end protruding so that the end does not slip back into the rope when the rope is loaded.

