



SATURN-12 TUCK-BURY SPLICE 12-STRAND

This is a modification to the standard HMPE Tuck-Bury 12-strand splice to increased splice length on Saturn-12. This modification must be used on Saturn-12 products over 1.5" in diameter.

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

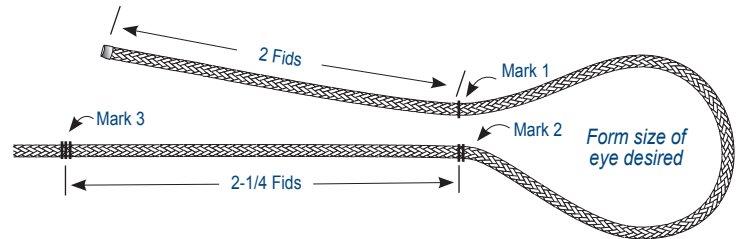
STEP 1

MEASURE AND MARK

Tape end to be spliced. Then measure 2 fid lengths from the bitter end and mark. This is Mark 1. Wrap tape tightly around the rope 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 2-1/4 fid lengths and mark. This is Mark 3.



STEP 2

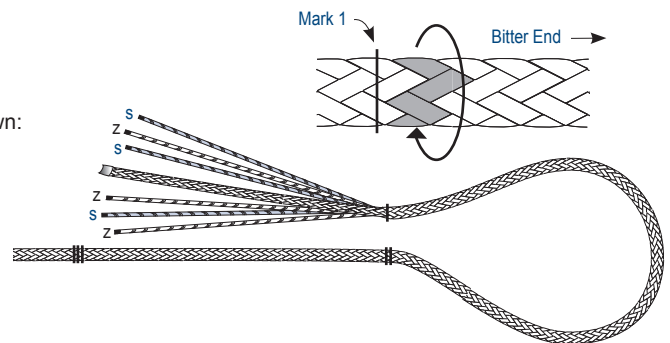
TAPER THE TAIL

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 = counterclockwise twist
S strand = clockwise twist

This should leave 6 strands still braided down the middle. Tightly tape the ends of the 6 individual strands, and the end of the remaining braided portion.

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

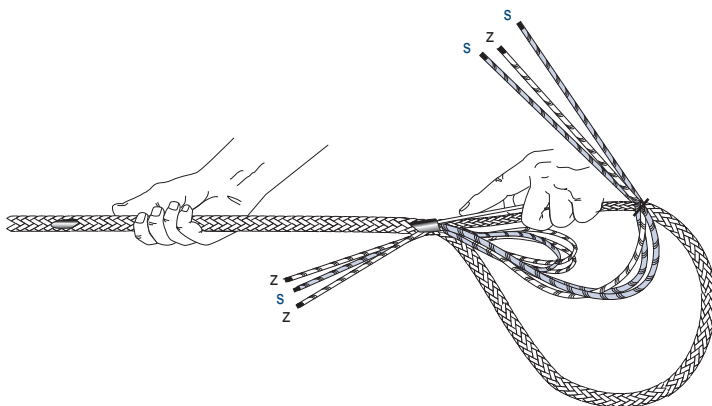
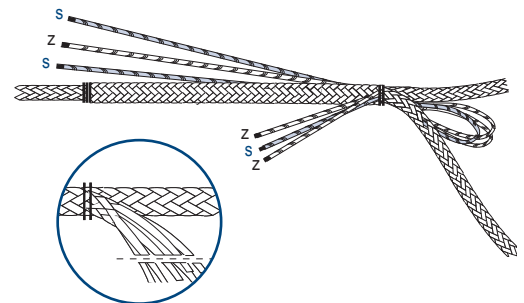
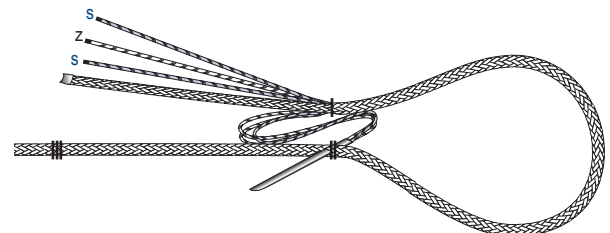


STEP 3

BURY THE TAIL

3A Pass the 3 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 6 strands that are still braided, start to bury them down the center of the rope, entering at Mark 2 and exiting at Mark 3. The tail should enter the standing part at the same point where the 3 strands pass through the rope. Pull the tail out until Marks 1 and 2 meet. Taper the end of the tail by cutting it across at a 45-degree angle.

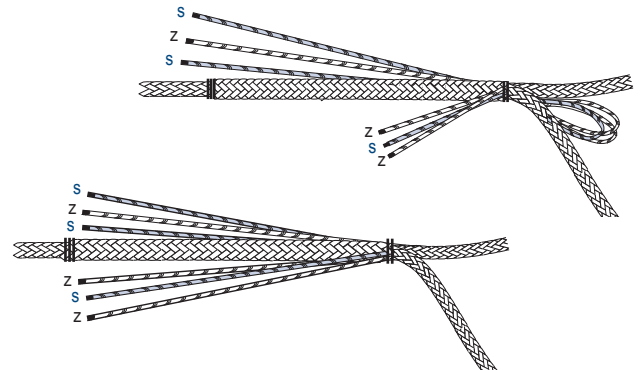




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3C Smooth the bunched line away from the eye. The braided portion of the tail should disappear into the standing part of the line.

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

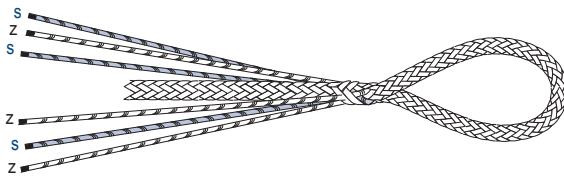


STEP 4

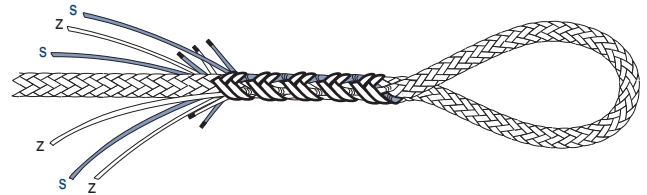
TUCK THE STRANDS

Start the tuck splice the same way as a standard tuck splice. One complete tuck consists of passing a strand over 1 strand and under 2 strands.

4A Do 5 complete tucks for all 6 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 5 tucks, remove half of the length of the twisted yarns from each of the 6 strands near the taped ends and complete 3 more tucks with the shortened strands.



STEP 5

FINISH THE SPLICE

After completing the 2nd set of 3 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.

