



## DEEP SIX EYE SPLICE 6-STRAND

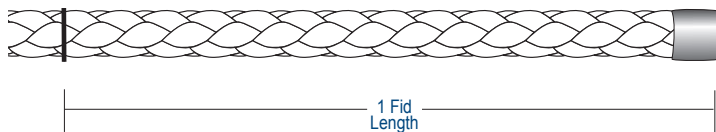
Class I Deep Six ropes are made from any or all of the following fibers: olefin, polyester, or nylon. The Deep Six construction requires a splicing technique different from other 6-strand braided ropes. The “tuck” procedure may be performed in the field on both new and used rope with a minimum of tools.

*Fid Specifications:  
A fid length is equal  
to 7 times the rope  
circumference.*

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.

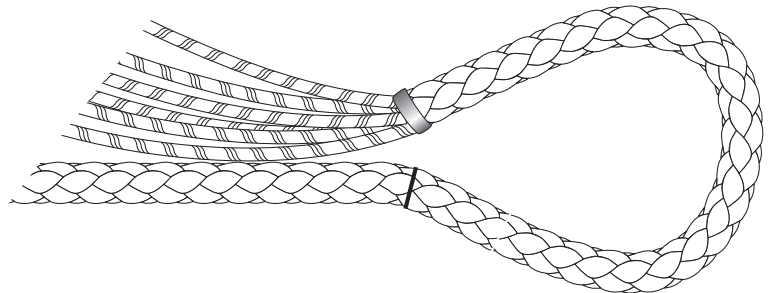
### STEP 1 MEASUREMENT

Lay out the rope and measure down from the end of the rope one fid length. At this point put one loose wrap of tape around the rope.



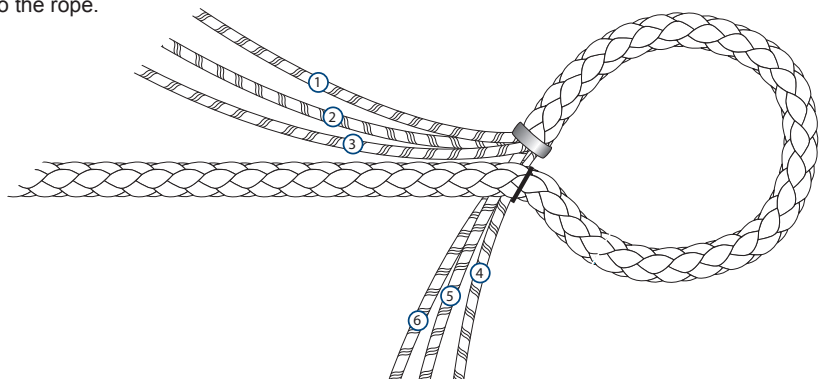
### STEP 2 MARKING EYE SIZE

Individually tape each of the 6 strand ends at the end of the rope. After the ends are taped, unbraid the rope back to the point wrapped with tape in Step 1. Form the desired eye size using the tape wrapped around the rope as a reference mark. Mark the body of the rope at the point coinciding with the tape.



### STEP 3 SEPARATING & PLACEMENT OF STRANDS

Lay out the rope to form an eye taking care there are no twists in the rope. 3 strands will be passed under the body of the rope. The 3 strands must be passed underneath the rope to the other side and 3 strands will remain adjacent to the rope.



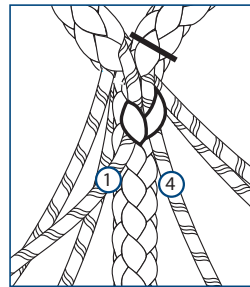


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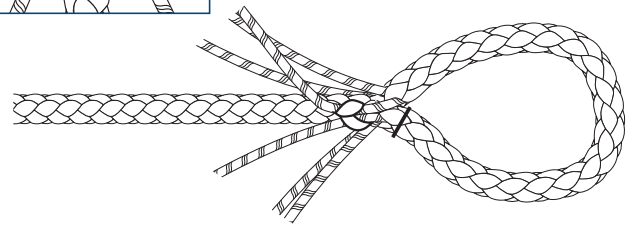
STEP 4

### BEGIN TUCKS

After the 3 strands have been placed underneath the body of the rope you can start tucking the strands into the braid of the standing part of the rope. Begin by tucking strand 1 under the top left strand of braid and then tuck strand 4 under the top right strand of standing rope. One complete tuck consists of passing a strand under an individual strand in the braid and over one strand. Each strand is always tucked under the same line of braid so that the tucks progress straight down the body of the rope.



Be sure to maintain the original amount of twist in the strand as they are tucked.



STEP 5

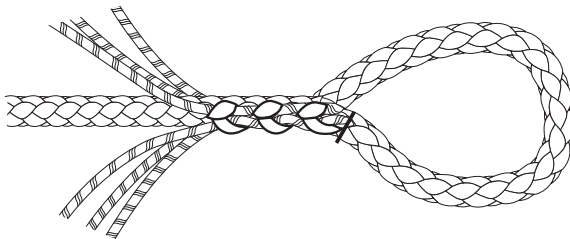
### REMOVING SLACK FROM TUCK

Continue tucking individual strands (number 2 will go to the left of 1 and number 5 will go to the right of 4) until all 6 strands have been tucked. After one complete tuck has been made with each of the six strands, pull on each pair to remove any slack from the strands and snug-up the base of the eye.

STEP 6

### COMPLETE TUCKING PROCEDURE

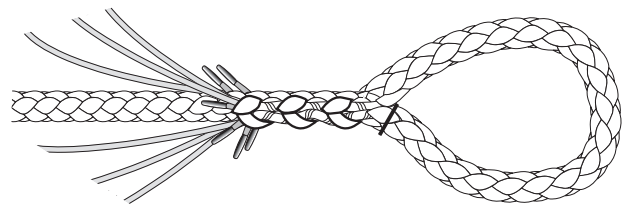
Do three complete sets of tucks. Do not attempt to pull them so tight that they lay straight. It is desirable to leave the tucked strands with some twist in them so they have the necessary elongation when the rope is placed under load.



STEP 7

### TAPERING THE SPLICE

After completing the first 3 tucks, drop 1/2 of the yarns that make up the strand by cutting them. Leave enough of an end protruding so that the end does not slip back into the rope when the rope is loaded. Tape the remaining 1/2 volume strands and tuck for another set of 3 tucks



STEP 8

### FINISHING THE SPLICE

Once you have completed the last 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.

