

Eye splice 32/3 (rope)

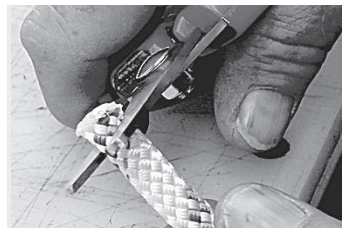
- General
- Splice

General

This instruction describes how to make a 32/3 eye splice on ropes 8-16 mm.

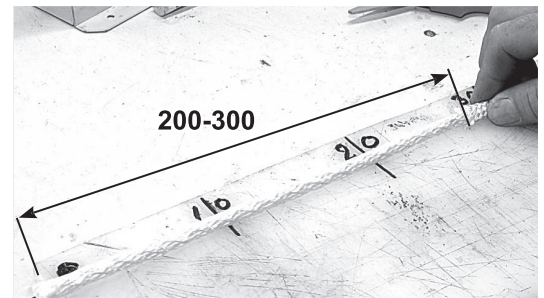
Splice

1. Cut the rope into length according to specification.
2. Tie a knot or clamp the rope **3000 mm** from end of rope (to secure case and core). Cut off the sealing at the end of the rope, Pic 1.



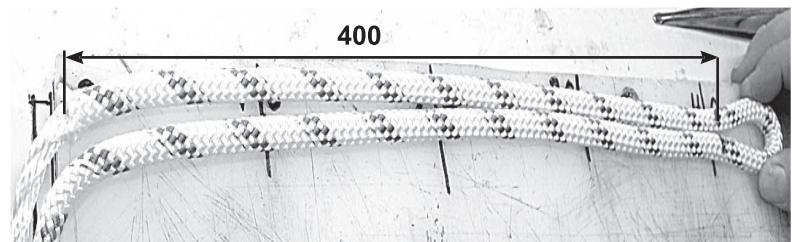
Pic 1.

3. Push back outer case by 200-300 mm, Pic 2.



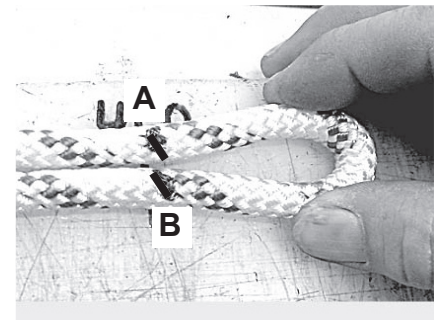
Pic 2.

3. Hold case and push back the slack for about **1000 mm**.
4. Measure **400 mm** from case end pic 3. and fold the rope (~ 30 mm), mark it **A** for eye and **B** for standing part, pic 4.



Pic 3.

5. Open a small hole (four yarns), pic 5. in the case with the fid at **B** and pull out the core, pic 6.



Pic 4.

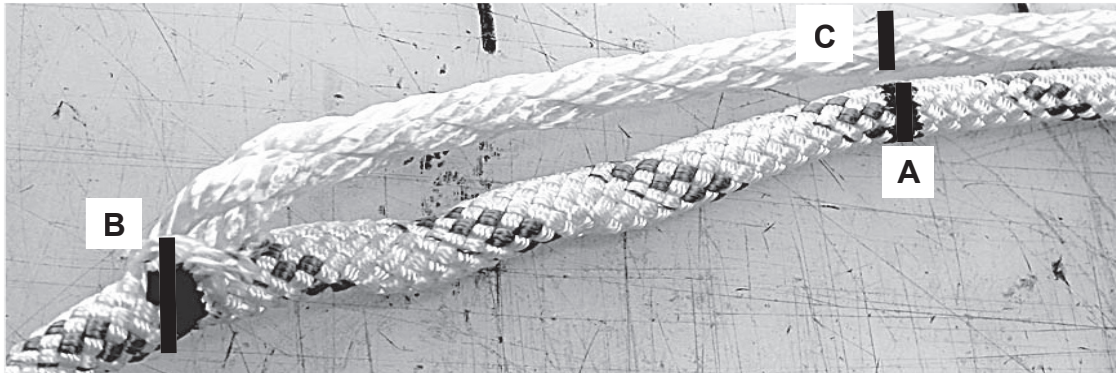


Pic 6.



Pic 5.

6. Mark the core with tape at **C** , opposite **A**, pic 7.



Pic 7.

7. After fitting the tape at **C** (do not cut of the tape yet) divide the core into 3 parts, pic 8.
8. Divide the 3 parts, every part contains different amount of yarns depending on the size of rope, see table below.

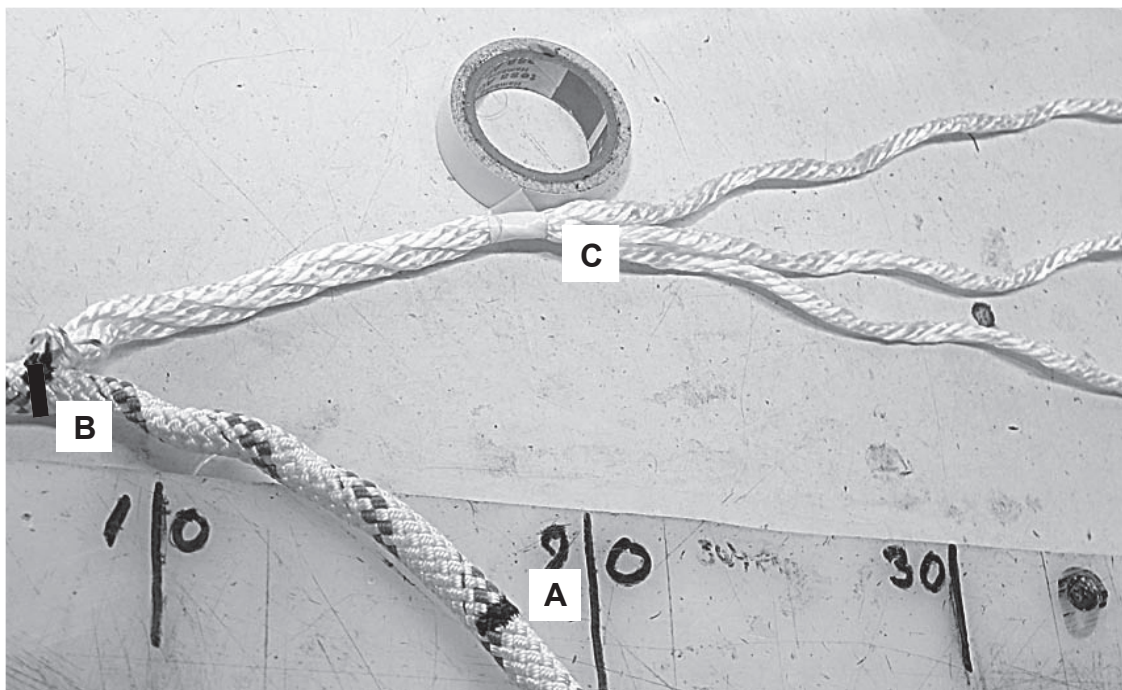


Table for LIROS rope		
Size of rope	Taper of core	Yarns / Parts
Ø 8	50%	4 x 3
Ø 10	50%	5 x 3
Ø 12	50%	8 x 3
Ø 14	60%	9 x 3

9. Taper the core by 50 %.
Example: Ø 10, cut off 2 yarns in the first part and 3 yarns in the second part and 2 in the third, pic 9.



Pic 9.

10. Proceed with tape over the area of cut yarns for about 50 mm, pic 10.



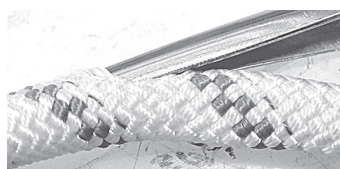
Pic 10.

11. Push the slack case back up to **B** until core starts to move. Push the slack back and forward to make the core and case slide easy, pic 11.



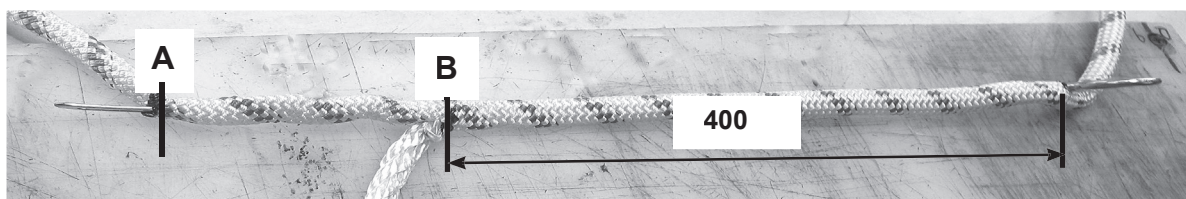
Pic 11.

12. Make a hole in the case with the fid and insert the needle 400 mm from **B**, pic 12



Pic 12.

13. Exit the needle at **A**, make sure that the needle works its way between case and core. To make it easier for the needle pull careful in the core, pic 13.



Pic 13.

14. Thread core end through the needle eye and pull it through from **A**, pic 14-15.



Pic 14.



Pic 15.

15. Pull the core and make sure that the tape on the core slips into **B**, leave 10-20 mm of core visible, see pic 16.

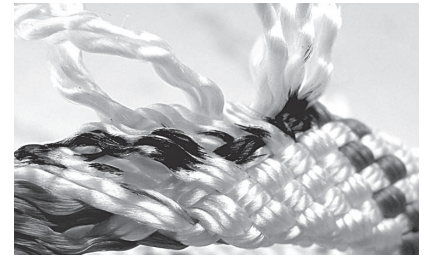


Pic 16.

16. Remove 5 strands in a line (**D**) on the cover 50 mm from **A**, pic 17-18.



Pic 17.



Pic 18.

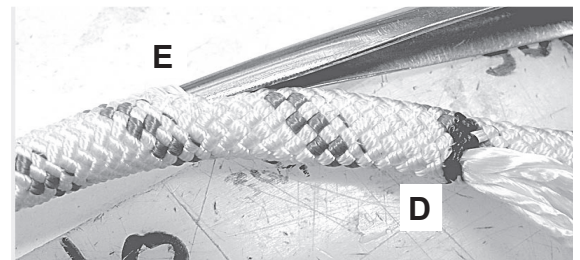
17. Cut the 5 yarns with a pair of scissors, pic 19.

Push back the slack as far as possible, push it past the point for needle entrance, see pic 13.



Pic 19.

18. Make a hole in the case (**E**) with the fid and insert the needle 350 mm from **B**, pic 20.



Pic 20.

19. Exit the needle at **A** and make sure that the needle works its way between case and core. To make it easier for the needle pull carefully in the core, pic 21.



Pic 21.

20. Thread case end through the needle eye and pull it through from the eye, pic 22-23.

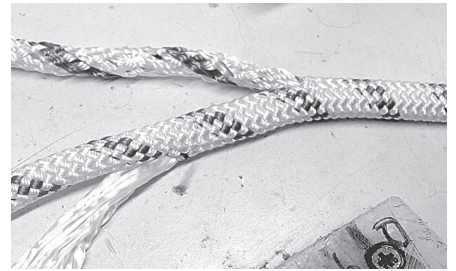


Pic 22.



Pic 23.

21. Pull everything tight, then give the splice a hard snatch and use a hammer or similar on the eye to bed yarns in position, pic 24-25.

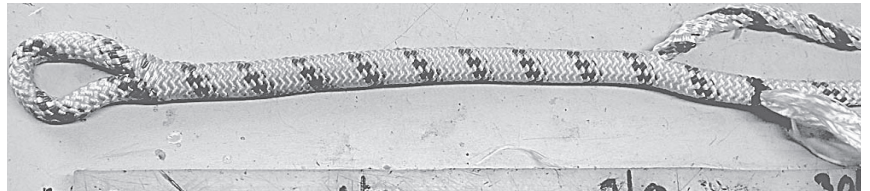


Pic 24.

22. If a timble is required, insert while the eye is being formed and before the ends are pulled tight.

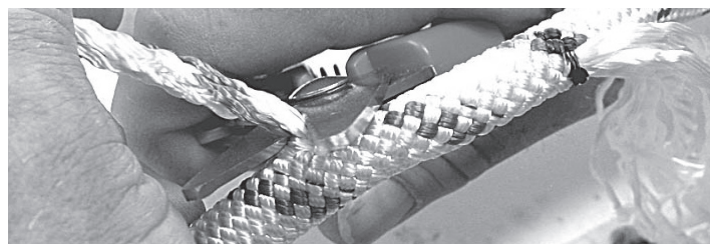


Pic 25.



Pic 26.

23. Cut off protruding ends, smooth down the outer case from the eye until the cut ends disappear, 27-28.



Pic 27.



Pic 28.