

Eye-Splice

The following information refers to a splice made in a 10 mm rope. For other rope diameters, adapt the dimensional specifications accordingly.

Step 1



Form the rope end into a tip and wind adhesive tape around it.

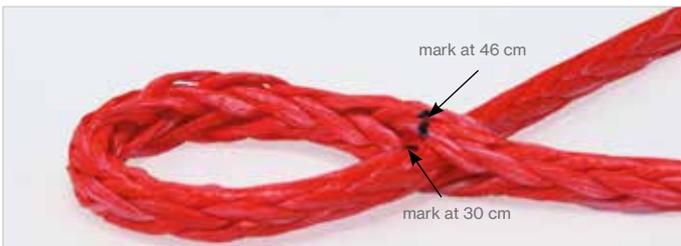
Step 2



Mark the rope in locations 30 cm and 46 cm from the tip (with an eye size of 5 cm).

For other eye sizes, adapt the dimensions accordingly.

Step 3



Open the rope centrally at the 46 cm mark and stick the rope's end through this opening up to the 30 cm mark. That is the first opening.

Example: In a 12-plait rope, there must be 6 strands on either side.

Step 4



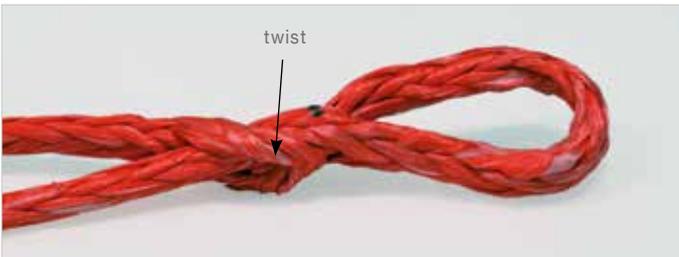
Open the tipped rope end after 2 plaits (2 - 3 cm) again in the center (equal number of strands on both sides). This is the second opening.

Step 5



Thread the loop through the second opening ...

Step 6



... and pull the eye all the way through the second opening.
Note: This pull-through procedure causes twisting of the strands, which will be corrected again in the next work process.

Step 7



Thread the tipped end through the second opening ...

Step 8



... and pull the end through completely.
Note: This causes the twist to be neutralized again.

Step 9



Insert the tipped end into the rope.
After 30 cm, guide the tipped end out of the rope again (see the following photo).

Step 10



Push the rope together to a point where the tipped end will stand out about 15 cm.
Note: This procedure is needed in order to properly taper the rope's end.

Step 11



Remove the adhesive tape and taper the rope's end such that 30% to 50% of the strands are extracted from the rope's end at equal distances and severed.
Note: This tapering is necessary for a smooth transition of the splice.

Step 12



Smooth out the splice such that the tapered rope end disappears inside the rope.
Note: For more compact ropes, the use of a splicing needle may facilitate this procedure.