

Wavelength Bracelet



Description: The Wavelength Bracelet features beads and additional knots that fit **between** the diagonal rows of Double Half Hitches. Since the angles are slightly rounded, the design looks like a wavelength symbol. In addition, this bracelet design features a sliding clasp, which is a very popular technique, since it makes this custom bracelet adjustable.

In the example shown, I made this Micro-Macrame bracelet using 1mm size dyed Hemp cord. There are glass E-beads, which I recommend, since you need something small.

Note that I used a different color for the holding cord, for instruction purposes. I recommend you use the same material for all the cords.

You can click on the small images to see a larger view of the step.

Supplies Needed:

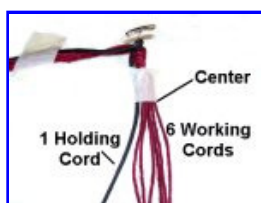
- 1mm cord material
- project board with pins and tape
- small beads with suitable holes for 1 cord
- fabric glue

Knots Used:

- [Double Half Hitch \(DHH\)](#)
- [Vertical Larks Head](#)
- [Barrel Knot](#)
- [Sliding Clasps](#)

Wavelength Bracelet Design

Step 1: Cut 6 cords with the 1mm material, each 65 inches long. Apply glue to the ends and allow it to dry. Cut 1 holding cord, at least 30 inches long.



Secure the **center** of all the cords to your board.

The holding cord should be on the left, with the working cords to the right of it.



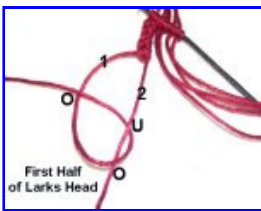
Step 2: Direct the holding cord to the right, on a diagonal slant. Secure it so it's taut.

Attach all the working cords to it with Double Half Hitches (DHH).

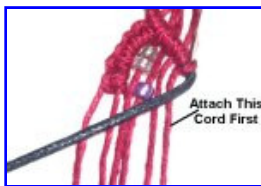
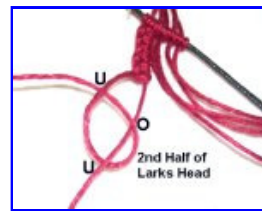


Step 3: Mentally number the working cords 1 - 6. Use cord 1 to tie five **vertical** Larks Head knots onto cord 2.

Apply 2 beads to cord 3, and one bead to cord 4.



This shows how the two halves of the Vertical Larks Head knots are tied.



Step 4: Direct the holding cord to the left and secure it so it's taut. Attach working cords 6 - 1 to it, with DHH (in that order).

Make sure you pull each cord tightly as you attach them to the holding cord.



Step 5: Tie 5 vertical Larks Head knots with cord 6, onto cord 5. Apply 2 beads to cord 4, and one bead to cord 3.

Then direct the holding cord to the right again, and attach cords 1 - 6 to it with DHH.



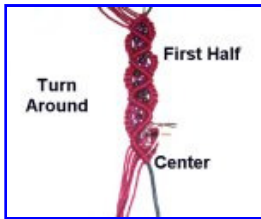
As you repeat this process, cords 1 and 6 will become too short.

So **AFTER** you make the Larks Head sennit, cross cords 1 and 2 (or 5 and 6), prior to attaching them to the holding cord.

Step 6: Repeat steps 3 - 5, until the Wavelength Bracelet is **HALF** the size you need.

Turn the bracelet around, so you use the other half of the cords to make the second portion.

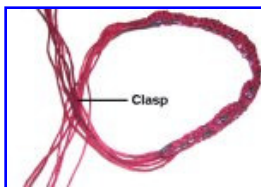
Repeat steps 3 - 5 until the entire bracelet is the size you need.



Before making the clasp, trim the holding cord at each end of the bracelet, to about 1-inch.

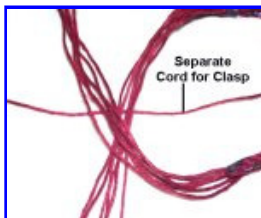
Direct the two ends to the inside (back) of the bracelet, and apply fabric glue to hold them in place. Let the glue dry before moving on.

Sliding Clasp



Step 7: Arrange the Wavelength Bracelet into a circle, with the ends crossed on the left.

The sliding clasp will be placed at the crossing point.

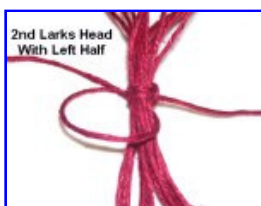


Cut an 18-inch piece of material and arrange it horizontally. The center of it should rest below the crossed area of the bracelet cords.



Use the right half of the 20-inch cord to make a vertical Larks Head knot.

Make sure the knot is tied around ALL of the bracelet cords.



Make the next vertical Larks Head knot with the left half of the 20-inch cord.

Step 8: Tie 4 - 6 additional Larks Head knots to



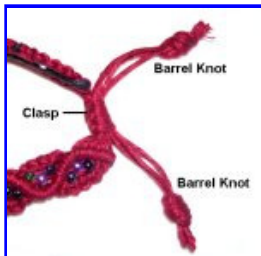
finish the clasp. The entire design should be about 1-inch in size.



Flip the Wavelength Bracelet so you are working in the **back** of the clasp.

Tie the two ends of the 20-inch cord together, using a Square knot that has no fillers.

Apply a **small** amount of glue to the knot. Be sure the glue does not soak into the cords running through the clasp. Cut off the extra material when the glue is dry.



Step 9: Pull on the ends to close the bracelet. The clasp will rest between the two ends of the wave design.

Move down 2 - 3 inches and tie Barrel knots with the cords in each group working together. Cut off any excess material.