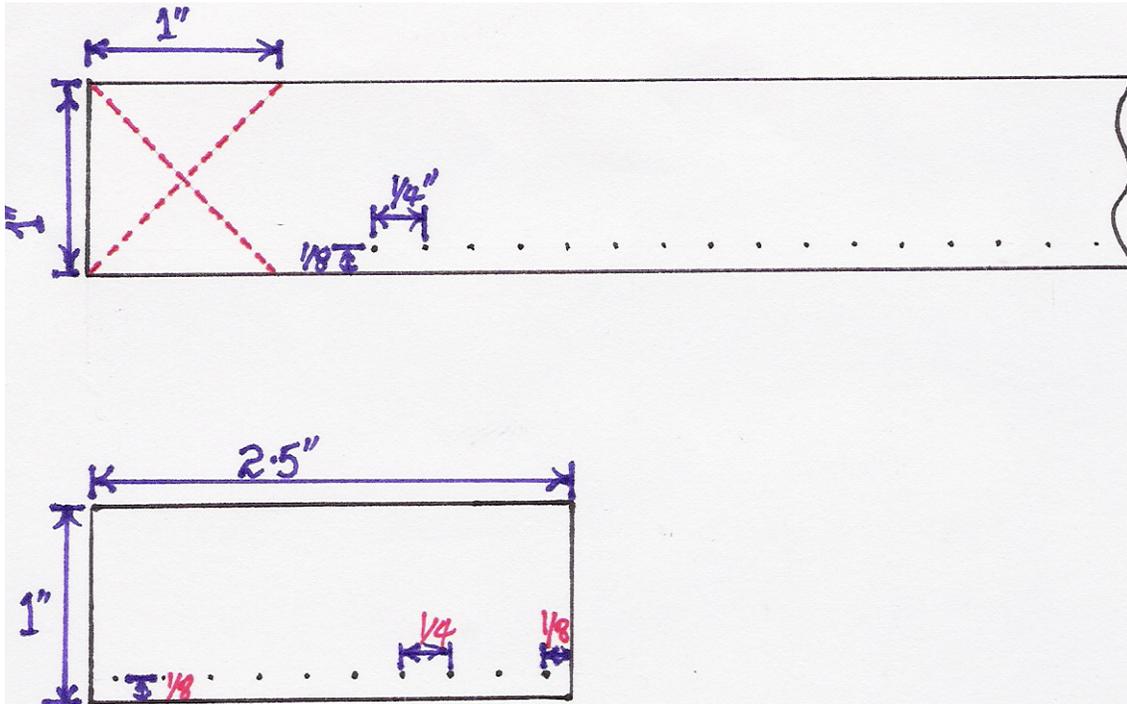


# Adjustable Knitting Loom

## Basic instructions for a fine gauge loom by Odette Riley

These instructions are to help with designing a knitting loom that can be used as a single rake loom (in flat or as a round) and for double rake.



### Main Board:

I mostly use hard maple boards, about an inch thick, the width can vary, but most often is an inch and a quarter for me... I would suggest a 2 inch width though.

**First** we have to work out what size we wish to make the main part of the loom. You do this by deciding how many pins you wish to have and divide the number by 4. (for example, if you wanted 100 pins, you would divide it by 4 and get 25)

This number is your working size, so write this number down!

**Second** we have to work out the extra length needed for our bolts. I let the width of the board determine this part... I take this number, and add a half inch to it. (The above example is 1 inch... so I would add a half to that and come up with 1 ½ inches.)

Double this number, and write it down. Then add this number to your working size from the first step. This is how big you need to cut your two main boards!

### Marking your main boards:

Marking your bolt holes is simple. Measure in the same amount as the width of your boards, and mark the spots. Draw a line from one corner to the mark on the opposite side of the board. (See

the red dotted lines on the above drawing.) These marks need to be made on the side of the board that your work will go down, since these bolts hold these boards together for you to work.

Marking your pin holes is also fairly simple. You should first start with marking a line  $\frac{1}{8}$  of an inch away from the side of your board. Your first mark will be made from one end, using half the number you wrote down for the second step above. You can mark both ends of the board if you wish to.

Now you need to mark all the remaining pin locations. Mark each pin mark  $\frac{1}{4}$  of an inch away from each other along this line. This will take a while, but when you are done, most of the marking is done!

### **Add on boards**

These add on boards are used to make your loom into a round loom. These boards don't require as much calculation either!

For a 10 pin add on, cut two (or four if you want to make two socks at one time) boards that are  $2\frac{1}{2}$  inches long. Again, mark along one side,  $\frac{1}{8}$  of an inch away from the edge. From one end, measure in  $\frac{1}{8}$  of an inch and place a mark on that line. Mark each other spot  $\frac{1}{4}$  of an inch away from this spot. You should have a spot  $\frac{1}{8}$  of an inch away from the other end.

For add on boards that have more pins, add  $\frac{1}{4}$  of an inch for each additional pin you want. Or if you are wanting to add pins in multiples of 10, add  $2\frac{1}{2}$  inches for each 10, and mark like you did for the 10 pin boards.

### **Drilling holes**

I would assume that you know how to use a drill press and such, this section is just a few tips and suggestions.

1. You may wish to add drill holes if you wish to make two socks at once. This is to help secure the add on boards better. To work out where to put these holes, divide the length in three, and mark holes in the center of your boards at these spots.
2. If you make a 30 pin or bigger add on, you may wish to make bolt holes in the ends of these parts. Don't change the pin locations, just add these holes in the side. This will let you use these parts for a smaller loom also, saving you from toting around your big boards all of the time.

### **Hardware**

1. 2 (or 4) bolts with thread along the whole length. These should be at least 6 inches long. You will need longer bolts (or several sets of bolts) for larger add on's, and just to keep from having extra bolt in your way some times.
2. 2 (or 4) Wing nuts. You need one for each bolt you will be using. Wing nuts are easier to tighten compared to hex nuts
3. Washers. You need enough washers to space for double rake. The number depends on what type you buy, so take a ruler with you if your just buying enough for your needs.
4. 2-4 oz of nails. I use brads because they have a large head. DO NOT use ribbed nails! If you are not sure what nails to use, get a small amount of what you would like to try and nail some in a board you don't need and try and wrap and use the nails, if it works for you, get more and put them in your board. Its better to check first since getting nails out when you don't like them is not fun. (Trust me, I've had to do it!) If you would rather use cotter pins, buy the number you need since they are not sold by weight so much.

5. Extra lumber and supplies listed above. Don't believe me? Well someone may want to do this. After all, do you just have ONE project in mind to make at once? Not to mention that you want a larger gauge loom now just like this small gauge one 😊