


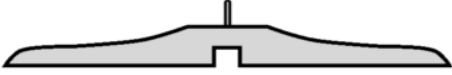




Mama Bear™ Handcrafted Yarn Swift™ Assembly Instructions

1 – Rubber Post Protector		
1 – Arm “A”		notch down - holes up
1 – Arm “B”		notch up - holes up
1 – Base “B”		metal post up - notch down
1 – Base “A”		notch up
5 – Pegs		
1 Anti-Slip Mat		

Assembly Instructions: On a Flat Surface:

1. **Remove all swift pieces from bag** and lay on flat surface. Make sure all pieces match with the pieces described above. Please report any damage during shipping. Each swift is totally tested before shipping to ensure proper operation and quality.
2. **Assemble Base:**
 - a. Place base piece “A”, in an upright position on flat surface. Take base piece “B” and lower into place over base piece “A” interlocking notches. It is ok to push a little and they will usually snap into place.
3. **Assemble Arms and Yarn Hank:**
 - a. Remove rubber bands on arms & pegs.
 - b. Lay two arms on flat surface, with peg holes upward.
 - c. Place arm “A” over arm “B” and insert into notch interlocking each other, **WITH THE TWO DOTS ALIGNING SIDE BY SIDE** (the arms are meant to assemble in only one way) until the top of arm “A” is flush with arm “B” at the notch.
 - d. Lay yarn hank over arms and spread outward to form a circle with the yarn hank.
 - e. Insert 4 pegs in desired holes in arms, with the slotted end going into the hole, on the inside of the yarn hank, one peg per arm, by pushing and turning at the same time. With the Unique Pegging System™, the farthest out holes on these longer arms (26”) will handle up to 74” hanks. You can move one peg or multiple pegs inward, as needed, to accommodate smaller skeins down to 26”. Set the arms aside and continue on to #3. The 5th peg is for warping-see instructions if warping is desired. The hank should be firm or slightly tight against the pegs. The pegs do not need to be symmetrically placed on the arms.
 - f. Remove rubber cap covering on metal post on base “B”.
 - g. Make sure metal post is upright and was not bent in shipping. Straighten if needed.
 - h. Take the assembled arms with the hank on them and lower the arms onto the metal post of the base inserting the metal post through the hole in the middle of the arm lowering it onto the washer. You should be able to turn the arms easily with the hank on it.
 - i. Replace the rubber cap over the end of the metal post for protection, if desired, but it is not needed to be on the post.
 - j. Take one of the ends of the yarn hank, clip with scissors and wrap the end around the nearest peg/arm to secure it. Be sure not to wrap the end around the hank.
 - k. Take the other end of the hank and connect it to the ball winder and crank or turn to create your pull-string yarn ball.

4. Test Swift:

Place the swift on the anti-slip mat. With your hand, turn the arms of the swift. They should turn quietly and smoothly. If they do not, review instructions above and make corrections. If you have a very heavy hank on the arms and if a couple of the pegs are placed more inward than the remaining two pegs, the arms may appear lop-sided. Do not be alarmed with this. Once you start winding, the arms will level out and operate smoothly. If the arms squeak as they turn, you may place a **very very** small amount of oil on the underside of the arm that rests on the special washer. Because of the design of the swift and when using a New Wool Ball Winder, you will notice how much less tension is in the ball you are creating. This is an important benefit of the Mama Bear™. Please feel free to contact me directly if you have any questions. We make every effort to ensure the Handcrafted Yarn Swift™ you receive is quality tested before it is shipped.

Additional Features of the Mama Bear™

1. Skein Making:

The Mama Bear™ is excellent for making your own skeins. The arms on the swift are reversible. Place the four pegs, one in the end of each arm, farther out than the size of skein you want to end up with. This is needed since the yarn will be wrapped tightly around the pegs and once released from the pegs when completed, the size of the skein will reduce.

Simply attach one end of your yarn onto one of the pegs, by wrapping it around several times. It is not necessary to tie the yarn end onto the peg. The yarn could be coming from your spinning wheel, a ball winder, cone or other source. Once the end is attached to the peg, simply start turning the arms, using your finger, and the yarn will start to wrap around the pegs and create a skein. If the yarn is coming from a cone or ball on the floor, you may have to hold the yarn between your fingers as it is moved onto the swift.

2. Making a Warp:

The Mama Bear™ can also be used to make a warp for hand weaving on a loom. A fifth peg is needed to accomplish this. Place the normal four pegs in the farthest out holes, one on each arm. With the fifth peg, place it in one of the holes of any arm that is farthest in toward the center cross of the arms. It is between the two pegs on this arm that you will make your cross needed to warping. Start by taking the yarn end and wrapping it around the farthest out peg on the arm with the two pegs on it until the end is secured. Once the yarn end is attached, wrap the yarn around the outside of the other three farthest out pegs coming back to the beginning peg that the end is attached to. Go half way around that peg and head toward the fifth peg, going all the way around it and making your cross, go on the opposite side of the farthest out peg and then continue as at first, wrapping the yarn around the other three pegs and repeating the crossing again, and so forth until you have sufficient warps created. With the fifth peg, you should be able to make a 2.5 yard warp. With additional pegs on the other arms, you can create a 3.33 yard warp.

3. Reduced Tension:

Because the Mama Bear™ and Papa Bear™ swift are at or about the same level as the ball winder, the tension on the yarn while you are winding it onto the ball winder is much less than with any other swift. This is good, in that the yarn strands will not be under stress when stored in a ball. Stretching and untwisting is almost non-existent. The Mama Bear™ and Papa Bear™ are yarn strand friendly.

Thank you for purchasing The Handcrafted Yarn Swift™

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www.TheOregonWoodWorker.Net, or www.YarnSwifts.Com