



## Helping Hands for Beaming and Threading

Harrisville Designs 22" Looms

This handy tool holds your lease sticks at a convenient position for slewing the raddle, beaming, and threading. Once beamed, the Helping Hands is moved to a position for threading, holding the warp ends close and below the eyes of the heddles. Please refer to this video to see an example of using the Helping Hands on a similar loom: <https://tinyurl.com/HHSpringDavid> or look on the LoftyFiber YouTube channel.

### Components of the Helping Hands – Harrisville Designs

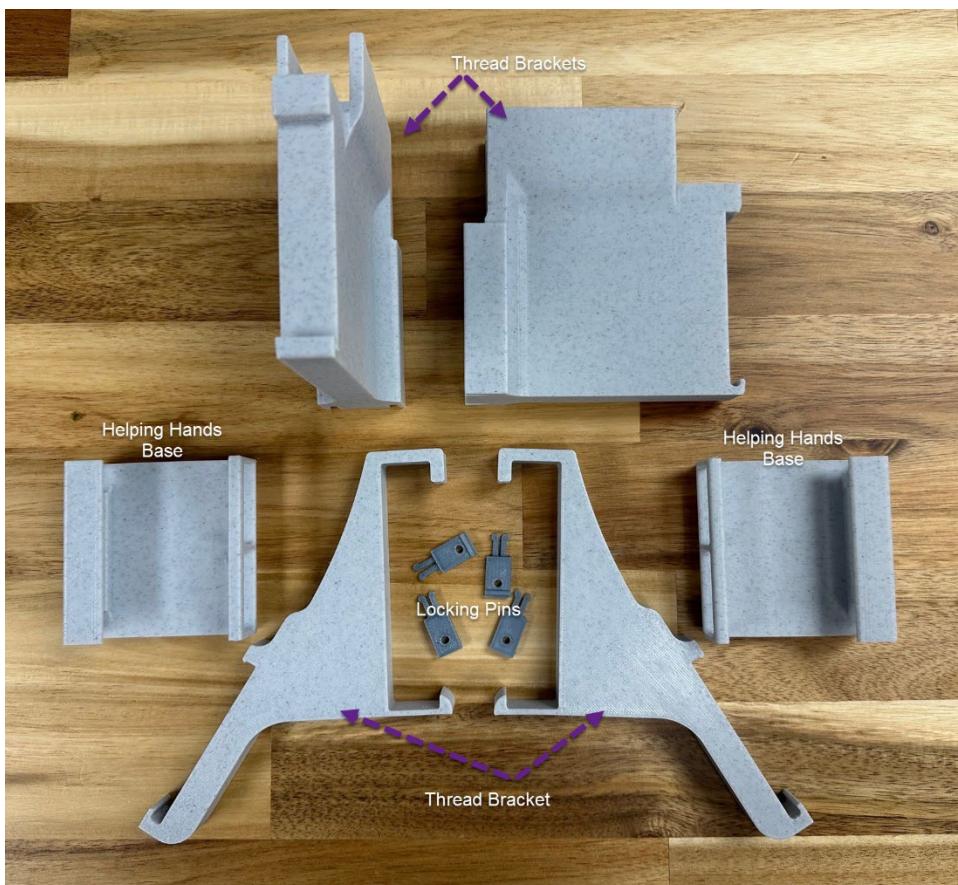


Figure 1 Components



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Texsolv Loop  
with Peg (x2)

### Description of the Components

- **The Helping Hands (HH) Base** – used to hold the lease sticks – both in Beaming and Threading positions. The Base has three slots at the bottom and either can be used to attach for Threading or Beaming. Use the slot that accommodates the width of your loom and lease sticks the best.
- **Beaming Bracket** – this part attaches to the wooden castle beam on the back of the loom.
- **Threading Bracket** – the Threading Brackets slide onto the metal bars on each side of the loom.
- **Locking Pins**
  - Place into the holes of the lease sticks to secure them in the Base.
- **Texsolv Loop Cord with Peg (shorter pieces)**
  - Used to temporarily hold the apron rods together so that they can be lashed on (apron rod that is attached to the loom to the apron road that is through the warp chain). attached to the back of the loom to the apron rod placed through the warp chain for easier lashing of the two rods together.

*It should not be necessary to use significant pressure to install or remove any of the components. To do so, may result in breakage.*

We suggest you first practice installing the Beaming Brackets and Threading Brackets along with the Base prior to using Helping Hands to warp your loom.



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The **Beaming Brackets** fit onto the back of the Castle tray cross-piece as shown.



The **Helping Hands Base** is shown below. The lease sticks slide into the side opening of the bases. There is a hole in the outer sides of the bases to accommodate lease sticks that may be too long. Also note that the base has three adjustment positions to clip into the beaming or threading bracket; use the one that works best for you. After attaching one Base to a bracket, you'll need to slide the lease sticks into the second Base before clipping in place. After your lease sticks are in the base, you'll want to use the supplied locking pins to help ensure you never lose your warp cross.

Figure 2 - Beaming Bracket



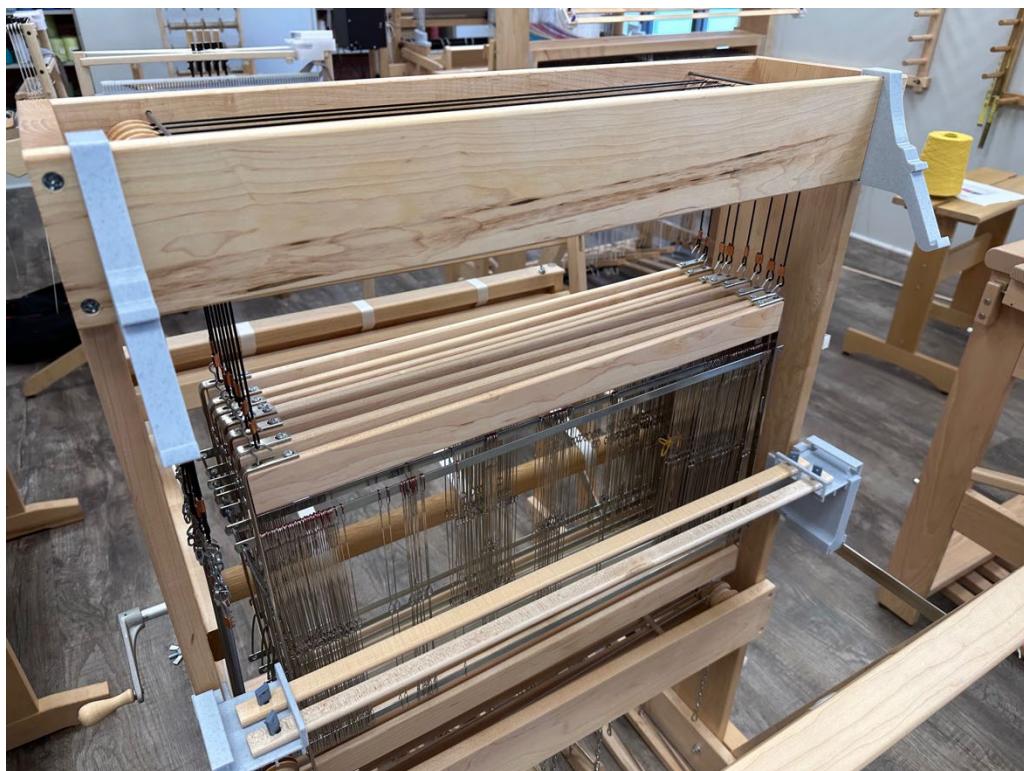


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The **Threading Brackets** fit on the metal rod running horizontally at the back of the loom. The brackets are designed to lift the lease sticks to a good height for threading.

After beaming, you'll move the Bases into threading position. First unclick the Bases from the beaming bracket by pulling up at the top of each Base, then lift out both Bases from under the bottom tab. Move the Bases (along with the lease sticks holding your warp) down into the Threading position of the Bracket. Attach the Bases into Threading Position by again sliding the Base under the tab and pressing to click into place.





#### LoftyFiber's Warping Steps

1. Wind Warp Chain with a Threading Cross; start winding at the peg furthest away from the cross so that a complete loop is formed near the cross. We always use an even number of warp ends. Add a choke tie about one yard from the cross. Tie the tops and bottoms of the cross (4 ties).
2. Install the LoftyFiber raddle on the castle. Note that the Harrisville tray, if used, needs to be removed to install the raddle. Place raddle caps on the center of the raddle so that the length of the warp chain can rest on the top of the raddle towards the front of the loom.
3. Insert both lease sticks into the cross of the Warp Chain. For wide warps, you may be placing more than one warp chain on the lease sticks.
4. Insert the lease sticks into the Base pieces. Insert the bases in Beaming position as described earlier in this document.
5. Squeeze the Locking Pins into the holes of the lease sticks for extra security.
6. Remove the warp chain ties.
7. Center and spread the warp in the raddle at weaving width; secure by placing raddle caps onto the raddle.
8. Standing at the front of the loom, wrap the choke tie around your index finger, gently pull the warp such that the warp loops close in around the bottom lease stick. Pull the Apron Rod / Tie-Up Stick) that is attached to the loom up and over the backbeam, adjusting the length by releasing the brake and turning the handle such that the apron rod is an inch or two over the backbeam. Insert the free Apron Rod into the opening at the cross closest to the back of the loom. Pull the free Apron bar down to a comfortable distance from the lease stick such that it is an inch or two from the other Apron bar when pulled tight. Temporarily attach the two Apron rods using the supplied Texolv with the Straight Pegs. These Texolv loops are intended only to hold the apron rods together until you have lashed them together. Cut a length of a strong yarn, such as 8/4 cotton, to about 5 times the width of the warp to be the lashing cord. Tie the lashing



Figure 3 - Beaming



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cord to one end of one of the apron bars. Repeatedly go around each of the two apron bars in a figure-8 pattern such that you always go through the opening in the middle of the lease sticks when going from one apron rod to the other. When you reach the end, tie a knot on an apron bar. *Note: If your warp is not as wide as the apron rods, only lash for the width of the warp, not the entire width of the apron bars.*

9. Wind the warp on while releasing the brake, inserting sticks and/or paper between the layers, pulling tight and evenly across the warp approximately every  $\frac{3}{4}$  turn.
10. When the end of the warp is about 18 inches from the raddle, cut the ends of the warp, lift warp up out of the raddle and drop in front of the forward lease stick.
11. Unclip the Bases from the Bracket (described above) to unlatch and move down to threading position.
12. Thread the loom and sley the reed. Tie onto the apron bar. Remove the locking pins and slide the Bases off the lease sticks.
13. Slide the lease sticks to the back of the warp. Remove the lease sticks when comfortable that the cross is no longer needed.



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