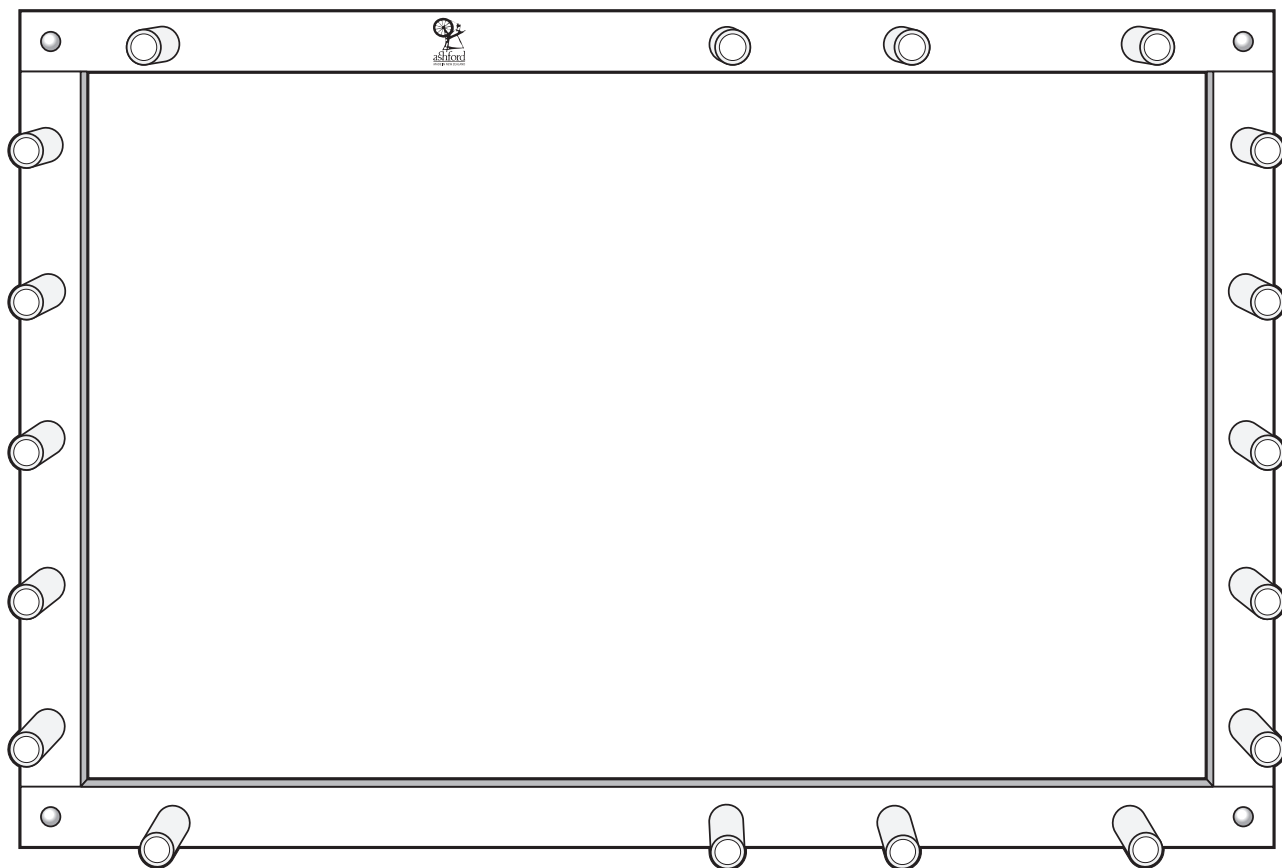


## WARPING FRAME - Large



**Maximum Warp Length:**      Approx 11 metres / 37 feet

### Assembly Instructions

Apply a little glue to each hole and push the pegs in (hammer if necessary). Fix the frame together at the four corners, using a bolt, washer and nut. Tap bolts into place if necessary. Use the supplied hex wrench and spanner to tighten. *Note:* Ensure all the curved notches face the inside of the frame.

Attach the rubber feet with small screws into the pilot holes in the back of the rails.

### Parts List

2	Rails with 5 holes	1	Spanner
2	Rail with 4 holes	1	Hex wrench
4	Rubber feet	1	Bottle of glue
4	Small panhead screws	18	Pegs
4	Bolts with nuts and washers		

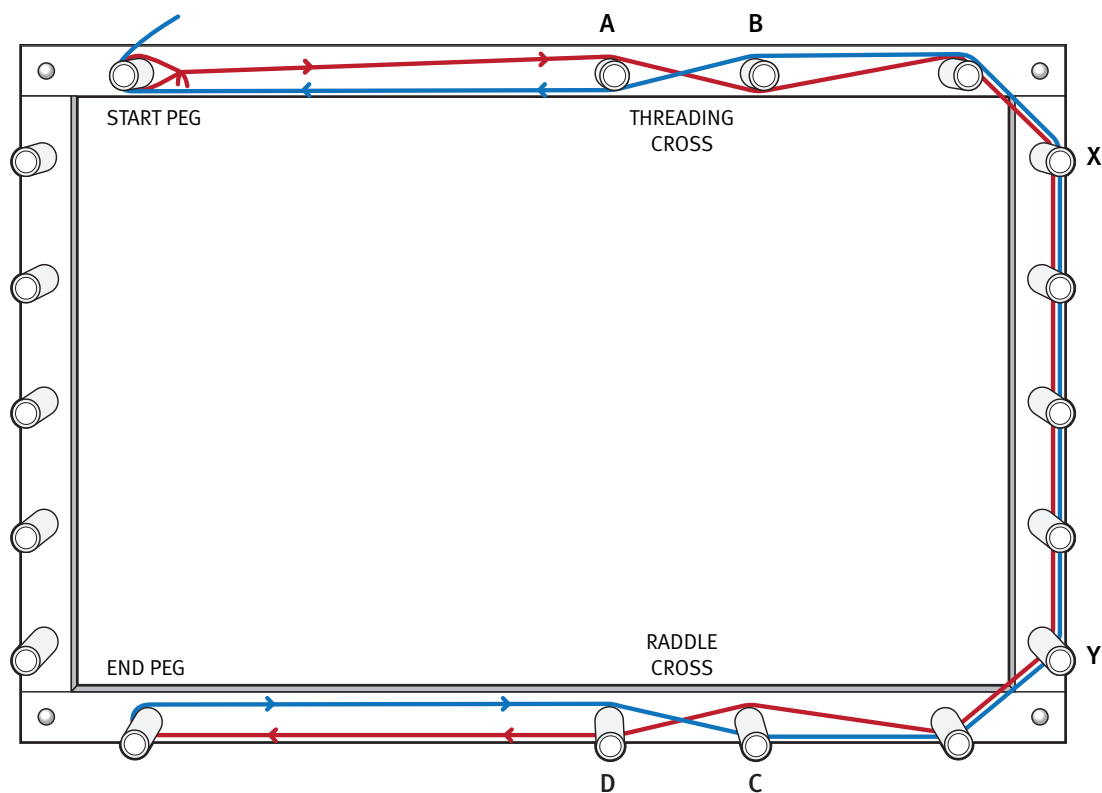
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## PLEASE READ BEFORE WARPING

It is important to keep the tension EVEN as you wind the warp - Do NOT wind too tight. If the pegs are bending it means you are winding the warp too tight (putting the yarn and frame under strain) or you have too much on the frame. This applies to short warps or full 11m warps.

Wind wider warps in two or three (or more) sections – chaining and removing each one as you go. Making several smaller chains is better than trying to make one large chain. For example if your warp is 500 ends do 2 warps of 250 ends.

When winding the warp ensure you push the threads down the pegs regularly. Do not overlap or pile the threads on top of each other, this will make threads different lengths.



## CROSSES

For fuss-free warping, you will make two crosses.

**The first cross** between pegs A and B, is the threading cross which keeps the yarn in the correct order for threading. Each thread is separated at the cross.

**The second cross** between pegs C and D is the raddle or counting cross.

**Example:** The Ashford raddle has 12.7mm (½") spacings. If your project has a sett of 20 dpi you will make the raddle cross after each group of 10 threads.

## WINDING THE WARP

Place the warping frame on a table. Measure a length of string the required length of the warp. This will be your warping guide. Tie it to the start peg and take it over peg A and under peg B, around pegs X and Y and around as many pegs as necessary to suit your warp length. Finally over C, under D and tie it to the end peg.

**Note:** All threads must pass around collection pegs X & Y and enough middle pegs to reach the required warp length.

Place the yarn at the base of your feet and begin winding your warp following the guide yarn, remembering to take the yarn over A and under B (when returning pass the yarn over B and under A). This makes the threading cross. It is important for your yarn to have even tension.

Take the yarn over C, under D and around the end peg. In this example the raddle cross is in groups of 10. Return under D and over C for 10 threads (5 return trips). The eleventh thread will go under C, over D, around the end peg, back over D and under C.

For more information, helpful hints and inspiration we recommend the Learn to Weave on the Table Loom booklet, The Ashford Book of Weaving for the Four Shaft Loom by Anne Field and The Ashford Book of Projects for the Eight Shaft Loom by Elsa Krogh.

## Longer warp

