# Standard Beam Winders for the Warp Beam

AVL manufactures four types of beam winders: standard and powered, wall-mounted and free standing. This instructions covers the standard (unpowered) wall-mounted and free standing beam winders.

AVL beam winders for warp beams are great productivity enhancing equipment that allow the weaver to wind the warp beam off the loom. This allows you to continue weaving with an alternate warp beam while your next warp is being prepared. Swapping the beams keeps your loom downtime to a minimum.

The Wall-Mounted Beam Winder is width-adjustable to match your warp beam. The Free Standing Beam Winder is made to your warp beam width.

NOTE: The beam winder does not include the Track & Mount require for Tension Box use, warping equipment, nor a warp beam. Please contact AVL to purchase these items.
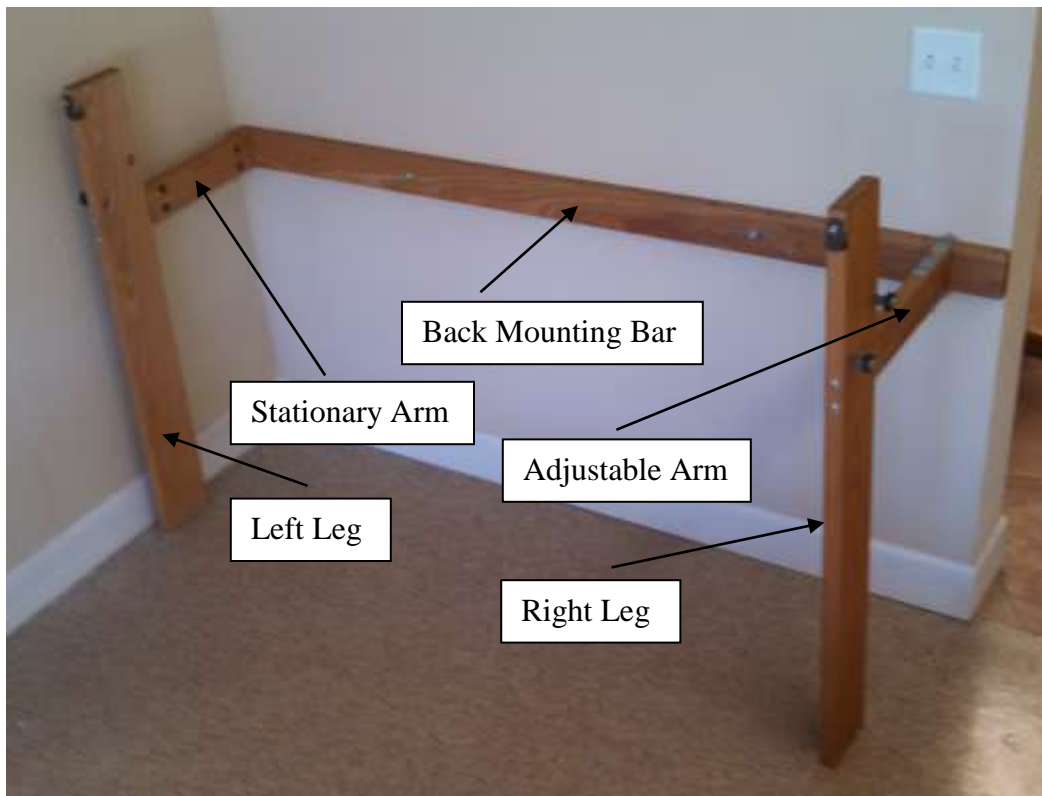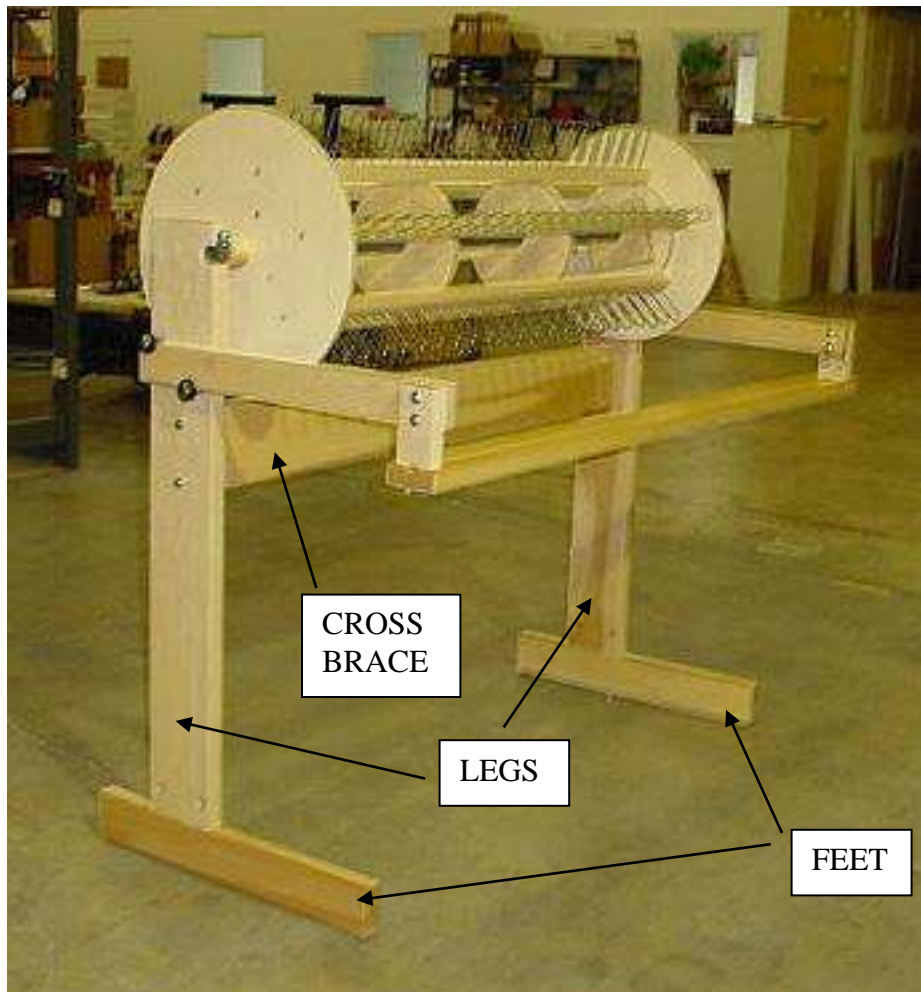

Back Mounting Bar

Stationary Arm

Adjustable Arm

Left Leg

Right Leg

Free Standing Beam Winder (shown with optional Track & Mount and Sectional Warp Beam)

Wall-Mounted Package Contents
1 – Left Leg
1 – Right Leg
1 – Back Mounting Bar
1 – Stationary Arm
1 – Adjustable Arm

Free Standing Package Contents
2 – Legs
1 – Cross Brace
2 – Feet
1 – Hardware pack

Tools Required
Adjustable Wrench
Drill Motor (wall-mounted only)
¼ inch Drill Bit (wall-mounted only)
Stud Finder (suggested - wall-mounted only)

Wall-Mounted Beam Winder System Instructions

Wall-Mounted Beam Winder Assembly
1) Remove all parts from the packaging box. Match the contents to the list above. If anything is missing, please contact AVL for replacement.
2) Insert two (2) 5/16" x 3 ¼" hex bolts and 5/16" washers into the counter-bored holes located near the left edge of the back mounting bar. (A counter-bored hole is a large hole drilled about ¼" deep into a piece of wood. This is followed with a smaller hole drilled all the way through. In this case, the counter-bored hole serves to prevent the head of the bolt from marring the surface of your wall.)
3) Located the stationary arm. This is the arm without the two (2) metal mounting brackets on one end. Orient this arm so that the nut access holes are facing in. Slip the bolts from the back mounting bar into the corresponding holes in the stationary arm. Once the bolts can be seen through the nut access holes, place square nuts over the bolts and tighten securely.
4) Locate the adjustable arm and remove the bolt from between the metal brackets on the end of it. Now, according to the width of your loom, choose the appropriate adjustable arm mounting hole and line up the upper and lower metal brackets with the closest "through" hole. Slip the bolt that was removed earlier through the metal brackets and mounting bar. Secure with the wing nut provided. Now locate the two (2) legs and attach them to the outer ends of the arms, using four (4) 5/16" x 7 ½" hex bolts, 5/16 flat washers, and 5/16" square nuts in the access holes. Make certain that the nut access holes are to the inside and the beam mounting holes face away from the wall.
5) The back mounting bar can now be mounted to your wall. To do this, choose a wall that is appropriately located for your warping setup, i.e., if your system includes a spool rack, you will need about five feet of space in front of it. Locate two (2) wall studs or the equivalent, 31 ¾" up from the floor on the chosen wall. Drill two (2) or three (3) ¼ inch holes along the length of your back mounting bar corresponding to your wall studs or other sturdy mounting surfaces. The holes should be one size larger than the lag bolts included in your hardware package. (Lag bolts are for assembly into the wood wall studs. For brick and other wall surfaces, consult with your local hardware store for appropriate mounting hardware. Using lag bolts or other hardware, secure the Back Mounting Bar to your wall.

Wall-Mounted Beam Winder Use
1) Pivot the swinging metal brackets up out of the way.
2) Slip your warp beam into the mounting holes on the legs, being sure to orient it just as it sits on the loom, i.e., with the brake drum to the same side as it sits on the loom.
3) Pivot the swinging bracket down to secure the beam in place.
4) Attach the warp beam crank handle.
5) Wind on your warp.

Free Standing Beam Winder System Instructions

Free Standing Beam Winder Assembly
1) Remove all parts from the packaging box. Match the contents to the list above. If anything is missing, please contact AVL for replacement.
2) Insert two (2) long hex bolts and flat washers into each foot. Located the left leg, which when oriented as in the picture will have access holes for the foot mounting hardware to the left at the end of the leg. The mounting hardware studs will protrude to the left as well. Slide the bolts into the leg and attach two square nuts to secure. Repeat with the right leg making sure that the access holes face outward.
3) Locate the cross brace. Slip two (2) short hex bolts with flat washers through a leg and attach to the cross brace with square nuts as shown in the image above. Repeat with the opposite leg.
4) Stand up the Free Standing Beam Winder.

Free Standing Beam Winder Use
1) Pivot the swinging metal brackets up out of the way.
2) Slip your warp beam into the mounting holes on the legs, being sure to orient it just as it sits on the loom, i.e., with the brake drum to the same side as it sits on the loom.
3) Pivot the swinging bracket down to secure the beam in place.
4) Attach the warp beam crank handle.
5) Wind on your warp.