

Strauch Fiber Equipment Co.

Manufacturers of:

Drum Carders ♦ Hand Cards
Jumbo Ball Winders ♦ Swift/Skeinwinders

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JUMBO BALL WINDER

Assembly & Operating Instructions

Visit www.strauchfiber.com for instructional videos & additional helpful hints
Please keep these instructions for future reference.

Important: When the ball winder is not in use release the drive band (E) from the crank disc (C) (see diagram). This will prolong the life of the drive band. If left on, the band will become stretched and loose, causing the winder to slip when winding a ball.

- The ball winder needs to be clamped to a table, workbench, desk, etc., in order to operate properly. Depending on which side you choose to install the clamp, you can have a right-handed or left-handed ball winder.
- Place the drive band (E) around the crank disk (C) and drive pulley (K).
- Thread the yarn through the eye rod and tuck into the slot on the end of the yarn ball cylinder (F). To start the ball, turn the cylinder by hand 3-4 turns to wind the yarn around the center of the cylinder. Use the crank to continue to wind your yarn onto the ball winder. When finished winding, remove the ball of yarn by slipping your fingers underneath the ball and by gently pushing on the top of the wooded yarn cylinder, gently lifting the ball off the cylinder. You now have a center pull ball ready for your next fiber project.
- To help ensure a properly formed barrel-shaped ball with the diamond pattern:
 1. the yarn should flow from an unrestricted source such as a skein winder or umbrella swift (not the back of a chair) as it feeds through the eye rod onto the ball winder and
 2. the yarn should be under a consistent tension, running through your fingers, as it winds onto the ball winder.

Some additional information: If you're forming a mis-shapen ball (a "bee hive" shape, for instance), hold the yarn tighter to increase tension and/or slow down. Winding too fast may cause the skein winder or swift to get ahead of the ball winder, followed by too much tension when the ball winder has caught up.

The copper-plated rod is in proper position when yarn, fed through the eye, clears the edge of the drive wheel (G). If you need to adjust the position of the rod, put a tool such as a screwdriver through the eye rod to make it easier to raise or lower the rod.

Two things must happen at the same time in order to wind a perfect ball. The whole cylinder assembly must rotate as the crank is turned, and the drive wheel (G) must rotate on the drive cone (J). This is what produces the diamond shaped pattern on the ball. The shape and position of the drive wheel bracket (L) is important--so don't bend it!

With our ball bearing design NO oiling or adjustments are needed.