



Diva Electric Ball Winder Safety and Use Guide

Version 1.1 March 2023

Email: customercare.fiberartistsupply@gmail.com

Phone: (513) 813-0504

READ SAFETY INSTRUCTIONS PRIOR TO USE

Your safety is our priority. This motorized yarn winder spins a wooden bracket & dowel assembly that and can present a hazard if not used in accordance with these safety guidelines:

1. **Keep hands and face away from winder while in use.** One hand should maintain speed & the other hand controls yarn tension. Should yarn become entangled, stop the winder **prior** to detangling.
2. **Do not leave winder unattended while in use.**
3. **Keep out of reach of children.**
4. **Unplug winder from power when not in use.**



Perfect Yarn Cake

1. Yarn guide post pushed in toward ball →
2. Yarn guide metal coil facing yarn cake
3. Light tension with non-winding hand

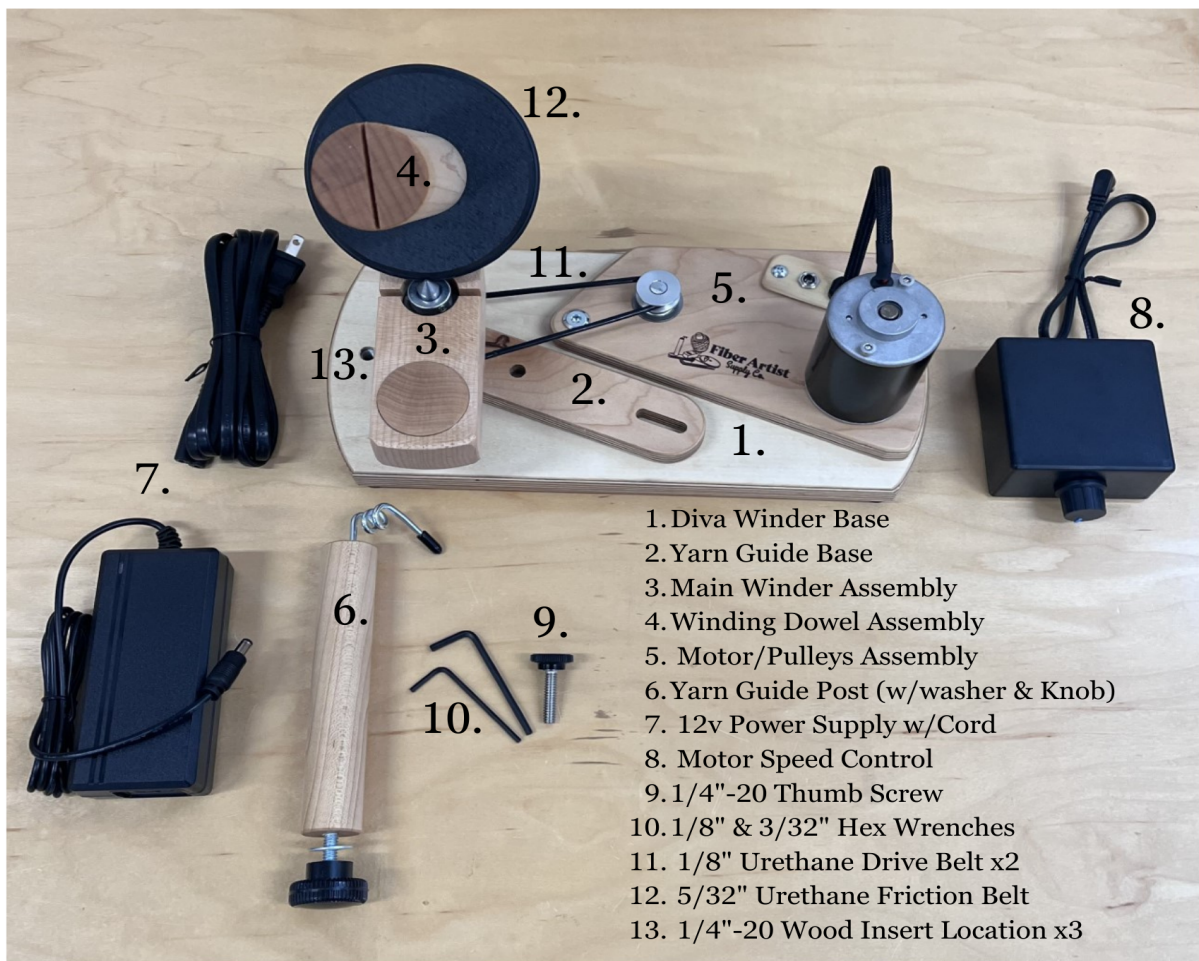




Lame Yarn Cake

1. Yarn guide post placed all the way out ←
2. Yarn guide coil facing away from yarn cake
3. Not holding yarn as it goes through coil





Diagram/ Instructions:

1. Move Diva's **Yarn Guide Base** onto any of the 3 **Wood Insert Locations** on the **Diva Winder Base** & secure **Yarn Guide Base** using the **1/4"-20 Thumb Screw**.
2. Install Diva's **Yarn Guide Post** as demonstrated on page 1 of these instructions. Note: The **Yarn Guide Base** has a slot that allows users to move the **Yarn Guide Post** away from the ball if it nears contact with the yarn guide coil. This design feature allows the Diva to wind big yarn cakes, but can also contribute to messy cakes if the **Yarn Guide Post** is not returned to its original position when you begin winding the next skein.
3. Plug the UL listed **12v AC/DC Power Supply** into AC 110-240v power and into the input on the **Motor Speed Control**.
4. Plug the **Motor Speed Control** into the yarn winder.
5. Bring yarn through the yarn guide and onto the notch in the winding dowel. SLOWLY begin winding.
6. Grasp the yarn with your free hand and turn the knob until the winder reaches a comfortable speed. Tip: Extra tension in the very beginning of a ball will help create a tight base helping the yarn hold onto the winding dowel. Think of the speed control the way you would think of the knob on a manual winder. Keep your fingers on the knob as you wind and adjust the speed as necessary.

Troubleshooting

Issue:	Resolution:
Winder makes sloppy cakes/Yarn Slipping off cake	1. Move Yarn Guide Post to proper position (see page 1). 2. Add steady tension to yarn with non-winding hand. 3. Slow down winding.
Winder operates at only one speed.	1. Connect speed control. 2. If speed control <i>is</i> connected, service/replace speed control. See warranty.
Winder will not operate	1. Ensure x2 Urethane Drive Belts are installed. 2. Ensure light on 12v power supply is on when connected to 110-240v wall receptacle. 3. Bypass Motor Speed Control by plugging power supply straight into the winder. If the winder runs without the Motor Speed Control, the motor speed control may be faulty. Contact customer service.
Winder moves/shakes on table	1. Slow down winding as cake gets bigger and heavier. 2. Clamp winder to table with non-marring clamp.
Ball not incrementing	1. Ensure the 5/32" Urethane Friction belt is making contact with metal point on the steel pin. Adjust Main Winder Assembly using "re-installing the Main Winder Assembly" below.
Drive belt(s) slip	1. Cut, shorten, & heat the ends with a candle and squeeze back together. Cut of excess. 2. Replace belts.

Yarn Winder Maintenance

WARNING: Unplug winder before performing any maintenance

Removing the Main Winder Assembly: Two 3/8" shaft collars hold the main winder assembly to the steel shaft. Use the supplied 1/8" hex wrench to loosen the shaft collar set screws & remove the main winder assembly from the base. Clean debris from parts.

Re-installing the Main Winder Assembly: The main winder assembly must be reinstalled in the order outlined here. Once you reinstall once, you will see how easy it is to remove and service and hopefully understand why order of operations is important.

1. Place the bottom 3/8" shaft collar onto the shaft. Do not tighten yet.
2. Place the **Main Winder Assembly** onto the shaft with the other 3/8" shaft collar sitting in the recess hole on the main winder assembly. *Gently* press down on the **Main Winder Assembly** until the friction belt on the **Winding Dowel Assembly** makes *light* contact with the point on the steel shaft. Press down just enough to create friction between the **5/32" Urethane Friction Belt** and the point and tighten the top shaft collar. Do not press the main winder assembly down more than necessary, as this puts excess wear on winder components.
3. Flip the winder with one hand allowing gravity to seat the bottom shaft collar on the bearing, and tighten the bottom shaft collar. You are effectively "sandwiching" the **Main Winder Assembly** between the two 3/8" shaft collars.

Servicing the Winding Dowel Assembly: The **Main Winder Assembly** must be removed from the base prior to servicing the **Winding Dowel Assembly**. The **Winding Dowel Assembly** is designed to allow the user to clean debris from between components, but is not intended to be removed from the **Main Winder Assembly**. Cleaning should be performed if yarn gets worked between the 5/16" shaft collar and the bearing.

1. With the main winder assembly removed from the base, loosen the bottom 5/16" shaft collar (the top 5/16" shaft collar will never need to be removed) with the supplied 3/32" hex wrench. This will allow a small amount of free movement between the shaft collar and the shaft collar stop nut, which should be enough to get a toothpick or other small tool into the space to remove debris. Note: the shaft collar stop nut has internal nylon thread lock, and should never need to be removed.
2. Seat the winding dowel assembly & and retighten the bottom shaft collar against the bearing.

Yarn Winder Factory Warranty

We offer a one year warranty on electric yarn winders. Each item is tested prior to shipment to ensure that they arrive fully functional. Please do not hesitate to contact us if you have questions or need help servicing your base even if the warranty period has elapsed. Replacement parts are available at a reasonable price once the warranty period has elapsed.