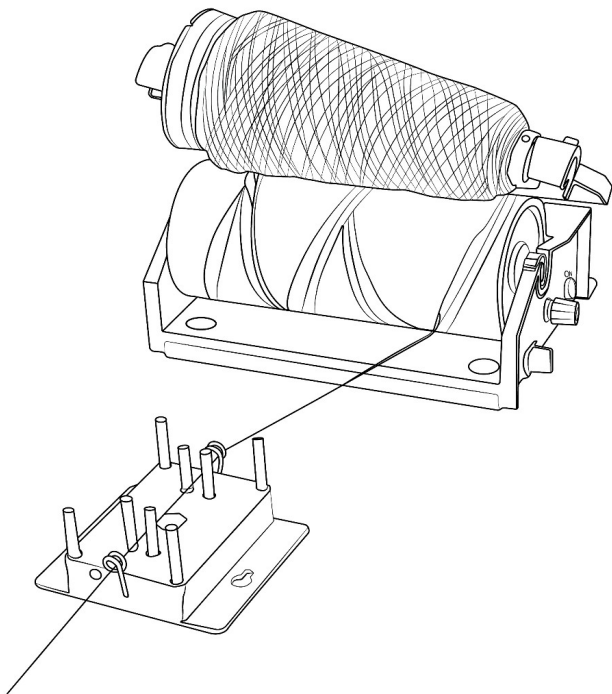


EEW Cone Winder

User Manual

March 7, 2023



Thanks for joining the Electric Eel Wheel (EEW) community! The EEW Cone Winder automatically winds yarn onto cones. This guide will help you to get started with your new tool.

Safety

This product has moving parts, and injury can result if used improperly. Before you plug in the EEW Cone Winder, set the speed control to zero by turning the dial counterclockwise as far as it can go and set the power switch to off. Be mindful of your surroundings and don't let any objects touch the moving parts on the product while it is running. This product is not a toy and is not suitable for children under 14 years of age.

To reduce the risk of fire, electrical shock, or product damage, do not expose this to rain or other liquids. Do not use this product near flammable materials. Ensure that the wheel and the power supply are well ventilated.

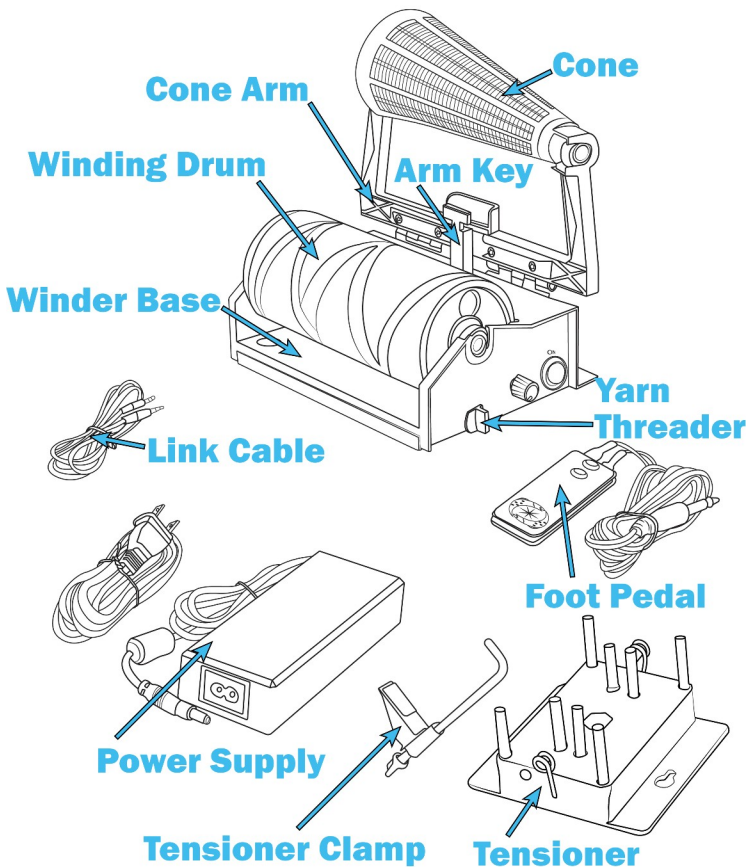
The power supply has a 5.5×2.1 mm barrel jack and runs at 12 VDC and must be 2A or larger. When the power adapter is connected to power, it is in a standby condition and the circuit is considered live.

You should unplug power when the device is not in use.

Do not let the EEW Cone Winder run unattended.

Parts List

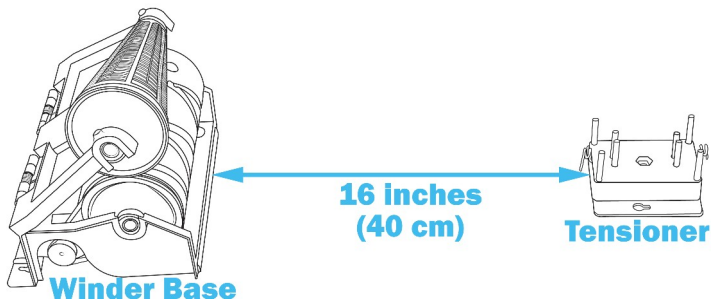
- Winder Base
- Winding Drum
- Cone Arm
- Arm Key
- Yarn Threader
- Tensioner
- Tensioner Clamp
- Power Supply
- Foot Pedal
- Link Cable
- 10 Cones
- 2 Rubber Bands
- Placement Diagram
- Instructions



Initial Setup

Use the **Placement Diagram** to line up the **Winder Base** and the **Tensioner**. You can either mount these items to a board and screw them into place. Or you can clamp down the **Tensioner** and the **Winder Base** into place. The included **Tensioner Clamp** can hold the **Tensioner** in place, but you will need to provide your own clamp to hold the **Winder Base** in place. There is a flat edge on the back which is easy to clamp. Your local hardware store should have a variety of clamps that will work.

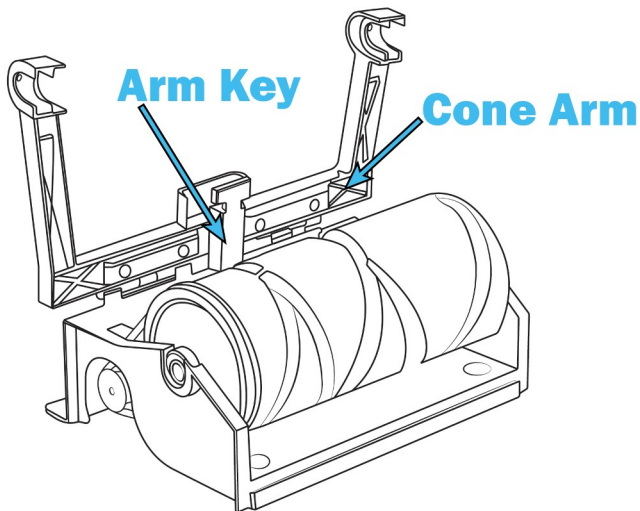
The center of the **Tensioner** must be aligned with the center of the cone winder, and it must be at least 16 inches (40 cm) from the **Winder Base**.



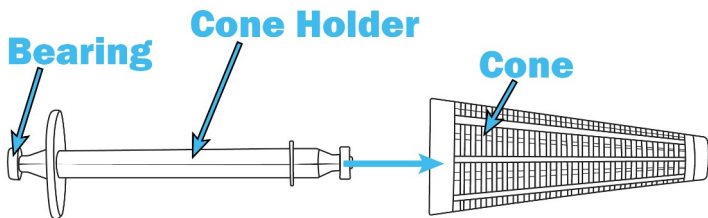
Installing a Cone

To install a new **Cone** you will need to:

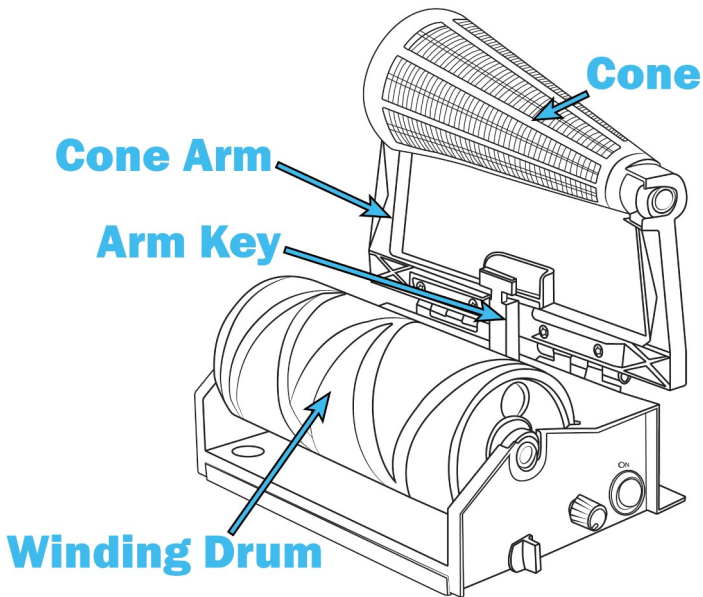
- 1) Use the **Arm Key** to lock **Cone Arm** in the up position



- 2) Make sure the **Bearings** are on the **Cone Holder**
- 3) Slide a **Cone** over the **Cone Holder**



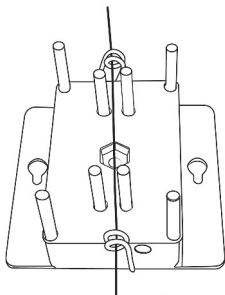
- 4) Put the **Cone + Cone Holder** into the **Cone Arm** and remove the **Arm Key** to lower the **Cone** onto the **Winding Drum**



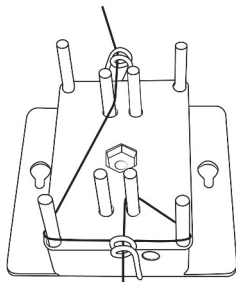
Removal of the cone is the reverse of these steps.

Using the Tensioner

Wind the yarn through the **Tensioner** as shown below. The more steel pegs you pass the yarn around the more tension there will be. You should start with a low amount of tension and gradually add more as needed. Too little tension will result in yarn slippage and the wraps on the cone collapsing, too much tension can stretch out your yarn.



Low Tension



More Tension

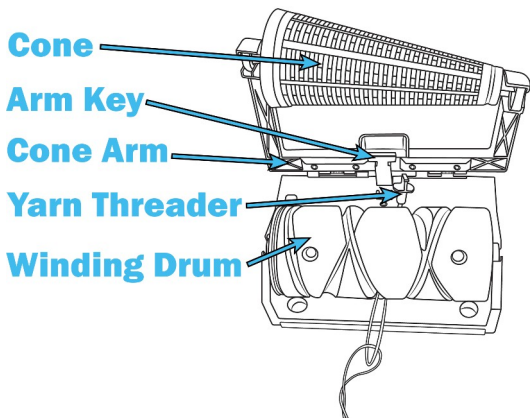
An optional pink **Disk Tensioner** can be inserted into the hexagonal hole on the **Tensioner** and held in place with a wing nut. This usually doesn't work as well as the steel peg tension system, but is an option if you want to try alternative tension options.



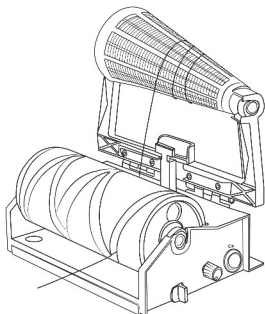
Disk Tensioner

Starting a Cone

Use the **Arm Key** to lock **Cone Arm** and **Cone** in the upward position. Insert the **Yarn Threader** under the **Winding Drum** then use that to pull the yarn under the drum.



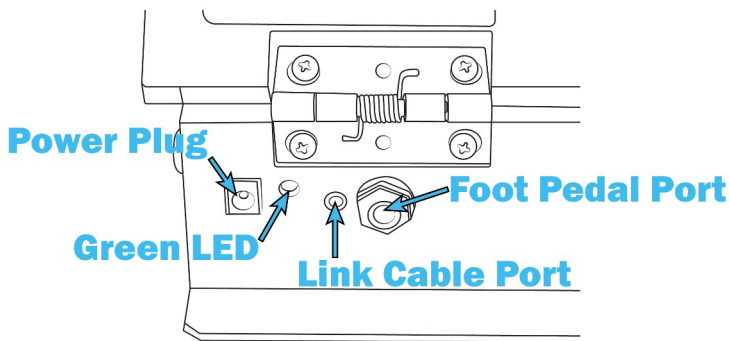
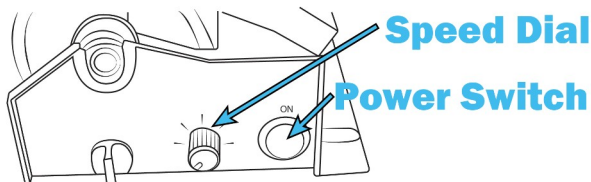
Wrap the yarn around the **Cone** a few times. Then remove the **Arm Key** and lower the **Cone Arm** to the lower position.



Operating the EEW Cone Winder

Turn the **Speed Dial** all the way counter-clockwise to set the speed to zero. Flip the **Power Switch** down to set it to off. Plug in the **Foot Pedal** if you want to use it. Then plug in the **Power Cord**.

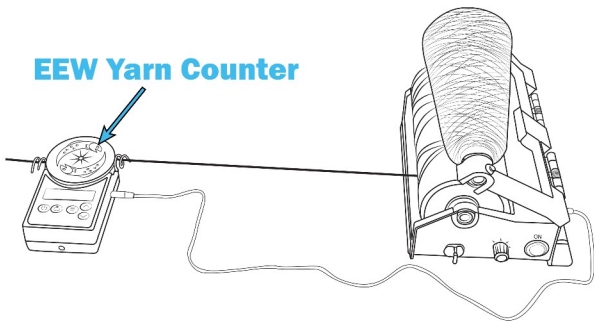
Flip the **Power Switch** up to turn it on. Slowly rotate the **Speed Dial** clockwise to make the **Winding Drum** rotate at the speed you want. You can tap the **Foot Pedal** to quickly stop and start the EEW Cone Winder. In general slower speeds are better when learning how to operate the EEW Cone Winder, and when tangles in the source yarn are likely.



Using the EEW Yarn Counter

The **EEW Yarn Counter** is not included with the EEW Cone Winder, but if you purchased it separately then you should either place it before the **Tensioner** or it can replace the **Tensioner** as long as you position the **EEW Yarn Counter** output centered where the **Tensioner** would go.

Look at the **EEW Yarn Counter** instructions on how to use “Target Length” option plus the included **Link Cable** to automatically stop the EEW Cone Winder at a set number of yards or metres.

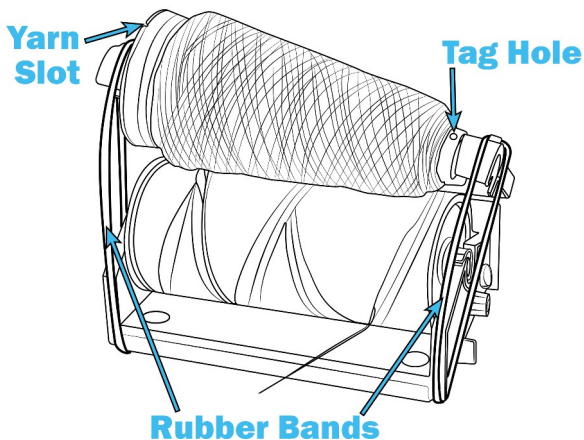


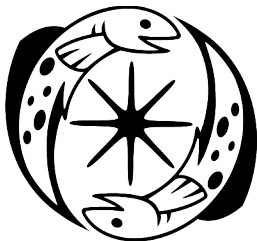
Other Resources

- www.dreamingrobots.com/eew-cone-winder has updated instructions and videos for the EEW Cone Winder.
- www.ravelry.com/groups/electric-eel-wheel is a great online community for the EEW.
- www.facebook.com/groups/ElectricEelWheel is the official Facebook group for the EEW.

Other Features

- The Cones include a small round hole to attach a tag so you can label your cone.
- The cones are made from PP plastic which is a flexible and high temperature plastic. The cones can be placed in boiling water.
- LED blinks 3 times and then goes off when the EEW Power cable is connected. It blinks slowly when paused by the foot pedal or EEW Yarn Counter.
- The included rubber bands can be used to add more downward pressure of cone to drum to prevent slipping.





www.dreamingrobots.com/eew-cone-winder

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