

Heavy Duty Ball Winder Hardware Bag

The following items are included in this hardware bag:

- 2 heavy duty table clamp bolts and 2 - 5/16" wing nuts
- 2 clamp blocks
- 1 1/8" Allen wrench
- 2 small 1.625" diameter O-Ring for top of Spindle (to keep yarn balls from flying off)
- 1 5/16" Nut Driver (use to loosen the Clamp Block screws)

When using the Allen wrench, **never** over tighten the set screws.

1. The set screw on the handle is simply there to keep it from pulling off. It is not used to help turn the handle. Over tightening the set screw may mar the shaft making it difficult to remove the handle (which will be necessary if you ever upgrade to the motorized version). Do not make it too tight.
2. The set screw in the collar on the Spindle Shaft is there to prevent the user from pulling the spindle out of the ball winder accidentally when removing yarn and ALSO to maintain the position of the O-ring against the conical shaped shaft. This has been installed for you already. DO not adjust it. If you must change out spindles (e.g. Small Diameter Spindle), then follow the O-ring adjustment procedure on other handout.
 - **Important Note:** When installing the collar on the end of the Spindle shaft, do not jam the collar up too tightly against the bottom of the spindle arm. Just insert the collar on the end of the shaft until it makes a light contact with the Spindle arm assembly. Use a FOLDED-in-half business card as a great spacer when tightening collar. Do not over tighten set screw. If you have wonky balls, remove the collar temporarily to see if that was the source of the problem. If it was, then do not press it up so tight.

When installing the small O-Ring on Spindle, first wrap the first 5-10 wraps of yarn onto your spindle, THEN install the O-Ring onto the Spindle about 1/2" down from top until it is snug. Be sure to remove the O-Ring before pulling the yarn ball off!!! Use O-Ring only if you have a problem with balls flying off.

Please ignore reference in early videos on our website to the washer & bolt. These are no longer needed (the black knob replaces them).

If you have any questions, please email us at info@nancysknitknacks.com or you may call 800-731-5648. Watch the Simple Video for adjusting the Oring on our website if you ever develop wonky balls. We want to ensure that you get the maximum utility from your new Ball Winder. See Troubleshooting Guide online as well.

Thanks for purchasing our Heavy Duty Ball Winder! We think it is the finest unit available.

Try our Yarn Ball Cores to insert your yarn onto if you want to maintain the center hole or better control your yarn ball. Good for storing yarn also. We have 2 sizes. A **Small Diameter Spindle** is available for making smaller balls. This will also wind cones (order CWA).

Important Notice – over time, yarn fibers will collect INSIDE the ball winder. These collect in the crevices of the gears and must be cleaned out or the handle will get harder to turn and at some point, could actually seize up. We recommend that yarn shop owners clean their unit out every year. Knitters at home should do it every 2-4 years. We have a video on www.youtube.com/nancysknitknacks that shows how to clean the unit. You should also lubricate the SHAFTS during cleaning.

Notice to User about the threaded Metal Insert inside the tensioning post

We have installed the knob and post already but if you ever remove the knob from the post and re-install it, but if you feel any resistance at all, then STOP and back the knob out and try it again. Otherwise you may be CROSS THREADING the threads which will cause the metal insert to fail prematurely. It should feel easy and consistent when turning the knob into the post. Also do not over tighten the knob.

Dear Ball Winder Owner:

Now that you own the world's best ball winder, you can add onto this system with the following products:

Power Base – motorizes the ball winder and makes it even easier to use than using our comfortable hand crank.

We have 2 styles of Power Bases – check them out on the web
<https://www.nancysknitknacks.com/LISTgallery1.htm>

For knitting shop owners and professional users, motorizing the ball winder is the way to go. It does all of the work for you and frees you up to write orders or perform some other task as opposed to winding each ball yourself. You will wonder why you didn't do this earlier!

We also have an **Electronic Yarn Meter™** which can work in conjunction with the NKK Power Base (high end version) and turn the ball winder off when the meter has measured out the amount of yarn that you specify! It doesn't get any better than this. We are the only company that offers anything like this for the commercial and professional fiber market.

We also offer a Small Diameter Spindle that makes smaller balls that look better (and take up less space) in kits, etc.

Heavy Duty Swift & Skein-winder – Our Heavy Duty Swift does for that market what the HDBW did for ball winders. Our HDSS is the perfect partner to your new ball winder. If you ever needed a high quality swift/skein-winder, then this will be the one that you will want to consider. We also have a motorized unit as well as a unit with Electronic Counting (ERC).

Cone Winder Now that you own our ball winder, you can always upgrade the system. **You can wind cones** with our optional Cone Winder Adapter (this also makes small center hole balls).

Our entire system was designed and is manufactured in the USA by highly skilled craftsmen.

Youtube videos – see our <http://www.Youtube.com/nancysknitknacks> channel for how-to help Questions? Call us at 800-731-5648 www.nancysknitknacks.com



QR Code for NKK App - Try it!