

# Surly™ Track Cog and Lockring Installation Instructions

Hey, you, thanks for buying our stuff. We mean it. Please read all these instructions before attempting to install your Surly cog and/or lockring. If you lack mechanical aptitude, don't have the right tools, or can't read or follow these instructions carefully, you're waaaay better off having a professional bike shop do this installation for you. Our trusty legal counsel compels us to point out that if this installation isn't done properly, **YOU COULD DIE** riding your bike, which would make us sad.

Track cogs are designed to work with hubs that have a set of right-hand threads and a set of smaller left-hand threads on the same side of the hub. Proper use of a lockring on the left-hand threads prevents the track cog from loosening or coming off during back pedaling pressure. Track cogs are not designed or intended for use on hubs that do not have a provision for a lockring; any use other than intended is purely at your own risk.



Image 1

- Apply grease to the cog's threads and gently thread the cog, clockwise, onto the larger set of threads on the hub. Be very careful not to cross-thread the cog onto the hub. The cog should thread on relatively smooth under hand pressure. If you encounter significant resistance, unscrew the cog and start again. **SEE NOTE**

- Once the cog is snugly threaded onto the hub, use a chain whip to tighten it completely

- We redesigned our lockring by widening it to 5.5mm, which added 38% more threading than our previous lockring. The added thread engagement will help secure the cog and lessen chances of stripping threads on the hub. Notice the small lip on the lockring. In some cases (when using '05 Surly cogs on Surly hubs, for example), a cog will overhang the lockring threads of the hub more than 1.5mm. The lockring should then be installed with the lip facing the cog. See Image 1. This increases the lockring thread engagement by 1.5mm vs. using a non-lipped lockring. When the cog overhangs the lockring threads less than 1.5mm, the lip should face away from the cog...toward the outside of the hub

Our lockrings are made to fit English lockring threads (1.29" x 24t LH) and will work on almost all track hubs available today except Campagnolo™ (1.32" x 24t LH) or French (33 x 1mm LH). Be sure your lockring threads are compatible. Apply grease to the threads of the hub lockring. Thread the lockring onto the hub's smaller set of left-hand threads, turning it counterclockwise to tighten until it contacts the body of the track cog. Using a lockring spanner, tighten the lockring firmly against the cog

- After the first ride, check the tightness of the lockring. By pedaling, you have likely further tightened the cog onto the hub. You will almost certainly need to retighten the lockring against the cog to safely fix the cog in place

- Check the tightness of the lockring periodically

**NOTE: Two reasons why cogs don't always fit perfectly on hubs the first time:**

1. Our cogs use ISO standard threads: 1.375" x 24TPI (34.92mm x 1.058mm). This threading was chosen due to its compatibility with other threads used on bicycle hubs. ISO threads fit English and Italian threads almost perfectly. It is important to not switch back and forth between cogs and/or hubs with different threads. FYI, the only hub that an ISO thread is not compatible with is one with French threading (34.7mm x 1mm).

2. We've found that the diameter of hub threads vary wildly from brand to brand. As such, we have tweaked our cogs to fit all hubs safely at the expense of being a little bit tight on brands that tend to be on the large side of an acceptable tolerance. American Classic™ comes to mind; our cogs require a little extra force to install on these hubs than usual. In certain cases, only a professional mechanic will be able to tell the difference between a cog that is simply tight-fitting and one that is cross-threading on. If in doubt, call a pro!!

We've also found that thread lengths vary from manufacturer to manufacturer. Unfortunately, there is no standard at this time. Our cogs are 7.4mm thick. They work perfectly on most hubs, but you may occasionally find a hub that has threads longer than 7.4mm. Or, you may find a hub that has cog threads substantially shorter than 7.4mm, leaving only 1 or 2 lockring threads exposed. In these cases, contact your local bike shop for recommendations and assistance.

## Limited Warranty:

Surly cogs and lockrings are guaranteed to be free from manufacturing defects for one year from the original date of purchase. This means that if we screwed up something in the manufacturing process that resulted in the premature failure of the part, we'll fix or replace it at our discretion. This warranty is for the original buyer and is not transferable. It should go without saying that we won't even consider your warranty problem without a dated proof-of-purchase.

What this warranty doesn't cover is damage resulting from any sort of riding other than "normal" fixed-gear riding, and the inevitable wear and tear resulting from normal use. As with all Surly™ products, we wouldn't expect you to treat them gently, but we can't be responsible for the inherent danger to body and property you face each time you hop on your bike. While we purposely build our components with safety and durability in mind, and we completely stand behind the strength and integrity of all our products, we're hip to the "just riding along" phenomenon - and frankly, we're just not having it.

Sorry, the finish isn't covered, nor is any damage that happens to you or your other parts as a result of any failure of our part. Costs incurred to you such as shop installation time and shipping are not reimbursable. Lastly, if you modify or neglect your cog or lockring we can't be responsible for the product or what might happen to you while you're using it. We hate to spell it out, but hey, it's the 21st century.

All potential warranties should be returned to where the product was purchased or to your local bike shop. In the unlikely event this is not possible, call or write us and we will do our best to get you back in action.

Contact Us:

**Surly**

6400 W. 105th St.  
Bloomington, MN 55438  
877.743.3191

[www.surlybikes.com](http://www.surlybikes.com)