



## Fixed Cog, Dingle Cog, and Lockring Instructions

Hi there. Thanks for spending your hard-earned cash on this Surly product. Surly stuff is designed to be useful and durable. We're confident it will serve you well for years to come.

**⚠️WARNING: Cycling can be dangerous. Bicycle products should be installed and serviced by a professional mechanic. Never modify your bicycle or accessories. Read and follow all product instructions and warnings including information on the manufacturer's website. Inspect your bicycle before every ride. Always wear a helmet.**

**⚠️WARNING: The lockring is critical to the braking for fixed gear use and needs to be frequently inspected and tightened as necessary.**

For additional safety information about all Surly products visit: [surlybikes.com/safety](http://surlybikes.com/safety)

## Fixed Cog, Dingle Cog, and Lockring Compatibility and Intended Use

Our cogs and lockrings use English threads (Cog—1.375" X 24tpi), (Lockring—1.29" x 24t LH). Be sure the cog and lockring threads are compatible with your hub before installation. 3/32" chains should be used with 3/32" cogs, and 1/8" chains should be used with 1/8" cogs.

Our cogs and lockrings are only intended to be used on fixed gear track hubs. Our cogs are not designed or intended for use on hubs that do not have a provision for a lockring.

## Tools Required for Installation

- Chain tool
- Lockring tool
- Grease

## Installation of Track Cog and Lockring

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.

**NOTE**—Two reasons why cogs don't always fit perfectly on hubs the first time: Our cogs use ISO standard threads: 1.375" x 24tpi (34.92 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, though an ISO threaded cog will slightly change the actual thread angle of an English or Italian hub. Any resistance you may feel the first time you thread our cog on your hub is the difference in thread angle. Further, it is important to not switch back and forth between cogs and/or hubs with different threads. The only hub that an ISO thread is not compatible with is one with French threading (34.7 x 1mm).

2. Once the cog is snugly threaded onto the hub, use a chain whip to tighten it completely.
3. 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 counter-clockwise to tighten until it contacts the body of the track cog. Using a lockring spanner, tighten the lockring firmly against the cog.
4. After the first ride, check the tightness of the lockring. By pedaling, you have likely further tightened the cog onto hub and will almost certainly need to re-tighten the lockring against the cog to safely hold the cog fixed in place.

## Ongoing Maintenance

Check the tightness of the cog and lockring periodically.

## Limited Warranty

This Surly product is warranted against defects in materials and workmanship for one year from the date of retail purchase of the product, subject to the limitations detailed below. Save your dated receipt for proof of purchase.

This warranty does NOT cover the following:

- Damage due to improper assembly or follow-up maintenance or lack of skill, competence or experience of the user or assembler
- Products that have been modified, neglected, used in competition or for commercial purposes, misused or abused, involved in accidents or anything other than normal use
- Installation of components, parts or accessories not originally intended for or compatible with Surly product as sold
- Damage or deterioration to the paint, surface finish, aesthetics or appearance of the product
- Normal wear and tear
- Labor required to remove and/or refit and re-adjust the product within the bicycle assembly

This limited warranty is expressly limited to the repair or replacement of a defective product, at the option of Surly, and is the sole remedy of the warranty. This limited warranty applies only to the original purchaser of the Surly product and is not transferable. This warranty applies only to products purchased through an authorized dealer or distributor. In no event shall Surly be liable for any loss, inconvenience or damage, whether direct, incidental, consequential, or otherwise resulting from breach of any express or implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise with respect to our products except as set forth herein.

This limited warranty gives the consumer specific legal rights, and those rights and other rights may vary from place to place. This limited warranty does not affect your statutory rights.

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### **Surly**

6400 West 105th Street  
Bloomington, MN 55438

**The Watts Line:** 877.743.3191

**The Email:** derby@surlybikes.com

**The Web Address:** surlybikes.com