

## 1X1 FRAMESET

Thanks for spending your hard-earned money on a Surly frameset. Seriously, we really appreciate it. You could've picked something else but you didn't, and that means a lot to us. We've put a lot of work into making a great riding bike that you'll enjoy for a long time. Before you read any further take a minute and write down this frame's serial number. If you should ever experience a problem with it, the serial number will help us get things sorted, and if your bike is ever stolen the serial number is undeniable proof that it's yours. So take a minute, flip the bike over, and write it down. Your frame's individual serial number is located on the underside of the bottom bracket (the part of the frame that houses the crank bearings).

### SERIAL NUMBER: \_\_\_\_\_

Here you find the venerable 1X1, the frame that started it all for Surly. The 1X1 was designed for 26" wheels, big tires, and single gear and cog drivetrains, like freewheeled singlespeeds, fixed gear, and even internal geared hubs. No derailleur hanger, no housing stops or line guides for derailleurs. The 1X1 is simple, durable and beautiful.

It's made of Surly 4130 CroMoly, with a double-buttet main triangle and triple-buttet fork blades for a tough yet responsive, lively ride. Adding to that ride feel is its geometry which is, well, simple. It rides like a mountain bike. The chainstays are heat treated to add to its durability. It uses 51mm I.S. disc mounts for your brake calipers.

Over the years we've updated some of its design features, but when something ain't broke, you don't need to fix it too much. We lowered the toptube a bit to increase stand-over clearance and also made it compatible with 100mm suspension forks. As well, the rear disc caliper mounting plate has been redesigned to allow easier rear wheel removal and installation...no more loosening the adapter bolts to allow the rotor to clear the caliper.

The 1X1 rides like a bike, it's really a simple concept. This is a frame you keep, a frame you use for years and years. It has been around since the very early daze of Surly, and it remains one of our favorites.

**⚠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: Before every ride, check the condition and trueness of both wheels to ensure that there is adequate clearance between the frame, fork, wheel, tire, and rim. The Instigator is not intended for use with fenders.**

Additional Product and Safety Information can be found at the website: [surlybikes.com/safety](http://surlybikes.com/safety)

## FRAME COMPATIBILITY

**Tubing:** 4130 CroMoly steel. Main triangle double-buttet. TIG-welded

**Rear dropouts:** Investment cast Surly track dropouts, 135mm spaced

**Braze-ons:** 51mm disc tabs and removable cantilever bosses front and rear, rear brake toptube housing stops, seatstay mounted disc housing guides, fender eyelets front and rear and dual water bottle mounts

**Seatpost diameter:** 27.2mm

**Seatpost clamp:** 30.0mm Surly stainless, included

**Headset:** 1-1/8" threadless

**Bottom bracket shell:** 73mm wide, threaded English 1.37" x 24t

**Tire clearance:** 26 x 2.75"

**Fork:** Suspension corrected for 100mm travel suspension fork. 100% CroMoly, tapered and buttet, straight-blade

**RETAILER:** This frame sheet **MUST BE** provided to the end user.



**CONDITION 4**

This is a set of conditions for operation of a bicycle that includes Conditions 1, 2, and 3, or downhill grades on rough trails at speeds less than 40 km/h (25 mph), or both. Jumps are intended to be less than 122cm (48"). Please see link to Bike Owner's Manual on [surlybikes.com/safety](http://surlybikes.com/safety) for complete list of riding condition descriptions.

**MAXIMUM WEIGHT LIMIT**

Rider	Luggage	Total
Lb/kg 300/136	Lb/kg 30/14	Lb/kg 330/150

**FOR TOURING OR TREKKING**

Rider	Luggage	Total
Lb/kg 300/136	Lb/kg 55/25	Lb/kg 355/161

**CARE AND MAINTENANCE**

Keep your frame clean. Dirt and road grime lead to oxidation and fading of the finish, and they make it hard to do a thorough inspection. Dirt will accelerate any abrasion of the paint that comes from rubbing, such as places where the cable housing touches the frame. In extreme cases, this type of abrasion could remove frame material. When your bicycle is not being ridden, store it where it will be protected from rain, snow, sun, etc. Rain or snow may cause the metal on your frame to corrode. We recommend applying J.P. Weigle's Frame Saver to the inside of the tubes before the frame is assembled into a bike. If your bicycle was exposed to moisture during a ride, thoroughly dry the bicycle before storing it. If water got inside the frame, tilt the bicycle to drain the water. If necessary, remove the seatpost and turn the bicycle upside down. This is especially critical if there is a large amount of water inside. If water freezes inside your frame, the expansion of the ice can crack and rupture the structure.

Before storing your bicycle for an extended period of time, clean and lubricate the frame with a frame wax, polish, or protectant. Do not store the bicycle near electric motors, as ozone from motors destroys paint. Before riding the bicycle again, follow the pre-ride checklist to be certain it is in good working order.

**INSPECTION**

Before every ride carefully inspect your frame for signs of fatigue. If any frame part shows signs of damage or fatigue, consult your dealer or replace the frame before riding the bicycle.

**⚠WARNING**—An improperly modified frame, fork, or component can cause you to lose control and fall. NEVER MODIFY YOUR FRAMESET.

**⚠WARNING**—Attaching incompatible clamping devices to a fork can lead to fork breakage, causing a loss of control. If you are not sure if a device is compatible, consult your dealer

**FRAME SPECIFICATIONS:**

For current frame specifications visit <http://surlybikes.com/bikes/1x12>

**LIMITED WARRANTY:**

This Surly product is warranted against defects in materials and workmanship for three years 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.

TO THE EXTENT NOT PROHIBITED BY LAW, THESE WARRANTIES ARE EXCLUSIVE AND THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.