

## ECR 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:** \_\_\_\_\_

**⚠ 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: Always check for 6mm of clearance between the front tire and/or fender and any accessory fitted to the accessory mounts located on the underside of the downtube. Check the entire steering range.**

### 29+ ECR ONLY

**⚠ WARNING: Do not use suspension forks exceeding 527mm axle-to-crown or rigid forks exceeding 485mm axle-to-crown. Doing so will void the frame warranty and may result in damage or failure of the frame and possible serious injury.**

### 27.5+ ECR ONLY

**⚠ WARNING: Do not use rigid forks exceeding 447mm axle-to-crown. Doing so will void the frame warranty and may result in damage or failure of the frame and possible serious injury.**

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

## FRAME COMPATIBILITY

**Tubing:** Surly 4130 CroMoly steel. Custom double-buttet trumpet tube main triangle. TIG-welded. ED coated

**Rear dropouts:** Horizontal slotted with derailleur hanger, Gnot-Boost Spacing. Features Rohloff torque arm slot and threaded eyelets for fenders, racks and Surly trailer mounts

**Brake compatibility:** 51mm I.S. with proprietary Surly brake caliper adapter. NOTE: Rear disc brake is limited to 160mm and requires the use of Surly caliper adapter (included with bikes and frames)

**Braze-ons:** XS-M (27.5+) has two triple bottle-mounts. M-XL (29+) has two water bottle mounts and one triple bottle-mount. Surly Trip Guide full line guides for brake and derailleurs, fender and rack eyelets. **NOTE:** This frame is only compatible with quick release fenders

**Seatpost:** 27.2mm

**Seatpost clamp:** 30.0mm (Surly Stainless included)

**Headset/Steerer tube:** EC34/28.6 upper, EC34/30 lower

**Front derailleur:** 28.6mm, High direct-mount standard, clamp adapter included

**Bottom bracket shell:** 73mm shell width, threaded standard English (1.37" x 24t)

**Chaining clearance:** Triple 22/34/44t; Double 26/39t; Max single ring clearance, middle position, 34t; Outer position 44t (Triple will not work with Surly 50mm rim and 29 x 3.0" tire)

**Tire clearance:** 29+ is 29 x 3.0" (with fenders);

27.5+ is 27.5 x 3.0" (with fenders); Individual tire and rim combos affect tire clearance

## FORK COMPATIBILITY

**Stem clamp:** 28.6mm

**Tire clearance:** 29+ is 29 x 3.0" (with fenders);

27.5+ is 27.5 x 3.0" (with fenders); Individual tire and rim combos affect tire clearance

Note: This frame is only compatible with quick release fenders.

**Crown race:** 30mm

**Front brake:** 51mm I.S. disc caliper mounts, 203mm max rotor size

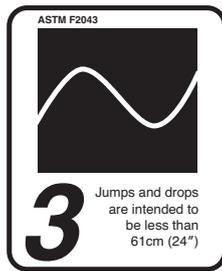
**Front spacing:** 100mm

**Axle type:** 9mm QR

**Braze-ons:** Water bottle and rack braze-ons

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

**INTENDED USE: CROSS COUNTRY, MARATHON, HARDTAILS**



### CONDITION 3

This is a set of conditions for operation of a bicycle that includes Condition 1 and Condition 2 as well as rough trails, rough unpaved roads, and rough terrain and unimproved trails that require technical skills. Jumps and drops are intended to be less than 61cm (24")

**INTENDED** For cross-country riding and racing which ranges from mild to aggressive over intermediate terrain (e.g., hilly with small obstacles like roots, rocks, loose surfaces and hard pack and depressions.) Cross-country and marathon equipment (tires, shocks, frames, drivetrains) are light-weight, favoring nimble speed over brute force. Suspension travel is relatively short since the bike is intended to move quickly on the ground.

**NOT INTENDED** For Hardcore Freeriding, Extreme Downhill, Dirt Jumping, Slopestyle, or very aggressive or extreme riding. No spending time in the air landing hard and hammering through obstacles.

**TRADE OFF** Cross-Country bikes are lighter, faster to ride uphill, and more nimble than All-Mountain bikes. Cross-Country and Marathon bikes trade off some ruggedness for pedaling efficiency and uphill speed.

## 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.**

**⚠WARNING: Improper installation of bolts may lead to product failure, causing serious injury. Do not exceed specified torque values. Periodically inspect bolts and retighten if required.**

## FRAME SPECIFICATIONS

For current frame specifications visit [surlybikes.com/bikes/ecr](http://surlybikes.com/bikes/ecr)

## 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 bicycle 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.