

PACK RAT 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.

- **Do not use rigid forks exceeding 370mm (26" model) or 390mm (650b model) axle-to-crown. Doing so will void the frame warranty and may result in damage or failure of the frame and possible serious injury**
- **Always check for adequate clearance between the front tire and/or fender and any accessory, fitted to the accessory mounts located on the underside of the downtube, through the entire steering range. If a suspension fork is fitted, perform this check with the fork fully compressed**

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

Additional Product and Safety Information can be found at the website: surlybikes.com/safety

FRAME COMPATIBILITY

Tubing: Surly 4130 CroMoly steel. Main triangle is double-buttet. Heat-treated chain stays. TIG-welded

Rear dropouts: Semi-horizontal dropouts give you singlespeed compatibility and wheelbase adjustability. Adjuster screws are included to keep your wheel in the right place for optimal shifting if you go with derailleurs. Our Gnot-rite spacing (132.5mm) allows you to run 130mm road hubs or 135mm MTB hubs

Brake compatibility: Cantilever or linear-pull brake studs

Braze-ons: Bosses front and rear to take cantilever or linear-pull brakes, eyelets at the dropouts, rear rack bosses, triple bottle mounts; seattube and upper/lower downtube mounts, downtube shifter bosses, fully threaded through-blade fork eyelets for a front rack

Seatpost diameter: 27.2mm

Seatpost clamp diameter: 30.0mm Surly stainless, included

Headset/Steertube: 1-1/8" threadless

Front derailleur clamp diameter: 28.6mm

Bottom bracket shell: 68mm wide, standard English threaded 1.37" x 24t

Chaining clearance: Manipulated stays so you can fit the size rings you want. Go nuts

Tire clearance: Frame sizes 38-50cm have room for tires up to 26 x 2.0". Frame sizes 52-58cm have room for tires up to 650b x 48mm. Individual tire and rim combos affect tire clearance, 6mm of clearance must be maintained between the rim/tire and the frame or any accessories

FORK COMPATIBILITY

Axle to crown: Frame sizes 38-50cm are designed for a 370 x 44mm fork. Frame sizes 52-58cm are designed for a 390 x 44mm fork.

Stem clamp: 28.6mm

Tire clearance: Frame sizes 38-50cm use a fork that will fit tires up to 26 x 2.0". Frame sizes 52-58cm use a fork that will fit tires up to 650b x 48mm

Crown race: 30mm

Front brake rotor: Cantilever/Linear-pull rim brakes only

Front spacing: 100mm

Axle type: 9mm QR

Braze-ons: Fork crown, mid blade, and double dropout eyelets

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



CONDITION 2

This is a set of conditions for the operation of a bicycle that includes Condition 1 as well as unpaved and gravel roads and trails with moderate grades. In this set of conditions, contact with irregular terrain and loss of tire contact with the ground may occur. Drops are intended to be limited to 15cm (6") or less. Please see link to Bike Owner's Manual on 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.

- **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**
- **Improper installation of bolts may lead to product failure, causing serious injury. Do not exceed specified torque values. Periodically inspect bolts and re-tighten if required**

FRAME SPECIFICATIONS:

For current frame specifications visit http://surlybikes.com/bikes/pack_rat

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.

Feel like talking to us? Make contact emailing us at derby@surlybikes.com or by calling 877-743-3191. If you prefer writing letters or sending postcards our address is 6400 West 105th Street, Bloomington, MN, 55438. See everything we offer at surlybikes.com.