

2014 CATALOG



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THE OPENING SALVO

As you may know, we build our bikes from steel. We always have. We use steel for a lot of reasons that we won't go into detail explaining here, but the crux of it is that steel offers an nice balance of design flexibility, ride quality, cost effectiveness, durability, repairability and environmental sensitivity. That's why we call ours 'Natch (slang for 'naturally'), as in "Duh, why would you choose anything else?" Quite a few people have asked us over the years, "Why does Surly use generic, off-the-shelf tubing instead of the fancy brand name stuff?" The answer is that brand-name tubing is off-the-shelf tubing.

4130 cromoly is just one variety of steel. The number is a designation of the Society of Automotive Engineers (SAE) that indicates the metal's components. Basic high-tensile steel is made of iron and a little carbon. By adjusting the amount of carbon and adding small but precise amounts of other metals different properties can be achieved. Adding chromium and molybdenum (cromo, get it?) yields a high strength-to-weight ratio. Funny car frames are famously made of 4130 steel for the same reason it's chosen for bicycle frames: it results in a steel that can be formed thin and light but that remains strong and compliant (flexible but resistant to deformation and cracking). There are other things that can be done to the resulting material, like heat treating, a process in which the metal is brought to a specific temperature and cooled at a controlled rate to realign its atomic structure, thereby further strengthening it.

At Surly we have had long and fruitful relationships with our frame manufacturer and tubing suppliers. Through these relationships we have continuously worked to develop the right tubing for each frame we offer. We develop tubing not only for each model but also for the frame sizes within that model. Sometimes, there is tubing available that suits our needs. Sometimes, what we want doesn't exist. For example, our new Instigator 2.0 is comprised of tubing specifically designed for this frame. The main triangle's tubes are internally butted. Some are externally tapered, flared like a trumpet and ovalized to add stiffness and strength without adding weight. On a heavy-duty bruiser like the Instigator, it is a serious consideration to keep the weight down wherever possible without sacrificing strength. Our Long Haul Truckers' tube diameters change across the size spectrum, and the placement and length of the tapers and butts within the tube vary from size to size. This is done to ensure that the right amount of material (no more, no less) is used in each welded joint. By doing this, we help ensure a responsive ride while keeping the tube ends sufficiently thick. This keeps them from melting away during welding.

A frame is more than just its tubing, however. We work with our suppliers to develop the best way to build each frame, including weld sequence, choosing the best type of welding rod, tube mitering and fixturing for welding. The chainstay yoke just behind the bottom bracket of our Krampus, ECR and Instigator 2.0 frames is formed by pouring molten steel into a mold. We collaborate with our suppliers on details here too, such as how it is poured, how the mold is manufactured and more. By paying close attention to all these details, from tube design and manufacture to welding, to heat treating and even finishing, we address important steps in producing not just bikes, but Surly bikes...durable bikes that deliver nuanced, lively performance appropriate to their intent.

Name-brand tubing companies such as Reynolds, Columbus, True Temper and Dedacciai make good stuff. They offer frame builders a wide selection of tubes to choose from. But their tubing is not better, not in the sense of being the best option all the time. It's nice to see their logo on a frame, but we wanted you to know that you're not being shortchanged just because you see a Surly 'Natch decal by the bottom bracket. In fact, we go above and beyond to exceed what any off-the-shelf tube can offer, specific tubing for the needs of specific models and sizes. We just thought you'd like to know that.

We've got a lot of new stuff for you this go 'round, like the Straggler, a disc-equipped 'cross bike which is essentially the Cross-Check with disc brakes and nifty new dropouts. Also new is the ECR, a camp bike with 29 x 3" tires on 50mm rims. ECR has the same rear dropouts and many other features as Troll and Ogre but a geometry all its own. This is the bike for people who want to pack up and take off into the wilds. We're also introducing the Instigator 2.0, a redux of a burly hardtail we once offered. The Instigator 2.0 is made for ripping, with 140mm Fox fork, 2.75" Dirt Wizard tires on 50mm rims (effectively 27.5" diameter) and aggressive geometry. Instigator 2.0 introduces our modular dropout system (MDS). Choose from horizontal rear loading, standard vertical with derailleur hanger or 142 x 12mm thru-axle dropouts. All smart and solid but easy to swap out when you want. Plus we've got new tires and rims and lots of other stuff to drool over; stuff that's built to perform and to last. Now turn the page and dive in.





TOURING

BIKES

The Touring category encompasses Surly models that make it easy to pack up your stuff and ride. Their geometries and features make these models especially well suited to loaded bicycle touring, though most are equally adept at commuting, shopping trips and other less romantic pursuits. We offer on- and off-road variations in the Touring category so that riders of all stripes can get lost and find themselves.

ECR

available as frameset or complete bike

Attention bike camp/exploration nerds! Are you sitting down? Behold ECR. ECR is a sure-footed, multi-terrain, offroad-obsessed 29+ camp bike. It's something of a lovechild borne of our Krampus, Ogre and Long Haul Trucker.

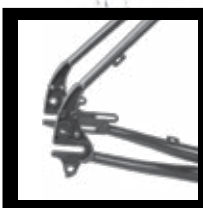
Like the Ogre, ECR can run racks, fenders and disc brakes simultaneously, front and rear. It's compatible with singlespeed, full derailleur and IGH drivetrains (it even features a dedicated Rohloff torque arm mount); the rear dropouts are just like those on our Ogre (and Troll) frames. Run what you like. ECR's got multiple water and 3-bolt gear cage mounts on the frame and fork, which are handy for carrying more water, stove fuel, milk, a sleeping pad, small mammals or whathaveyou. It takes 34mm headsets (i.e. old standard) and regular mountain bike hubs (100mm front and 135mm rear). All the cable guides are designed for full length housing, in order to keep out the elements. The rigid fork can be swapped out for an 80mm suspension fork if you prefer, but then you'd not only lose a lot of the hauling capacity of the fork, you'd lose out on the ability to run a 3" tire on a 50mm rim.

Oh yeah. That. ECR is of the 29+ category, a name we made up when we introduced the Krampus, to indicate a wheel size that is more than 29"...more width, more height, more traction, more float. More. The tires even add a bit of low-tech but effective suspension. 29+ might also be called 'mid-fat,' in that the tires are larger than standard 29" mountain bike tires and the rims wider, but not as big or wide as true fat bikes. The approach angle of such big tires (close to 31") combined with the extra traction and float of high volume, low weight rubber make this bike extremely capable of going lots of places, from roads to trails to little-traveled back country.

While the ECR borrows from Ogre, Krampus and even the Long Haul Trucker, it's really none. It is a specific animal, with geometry, features and components all chosen to let you navigate any road, from perfect to abandoned. It's not as speed-obsessed as Krampus, and it's capable of going deeper than Ogre. It's a pack mule, a pedal-powered escape pod. Choose from our stock trim, or get a frame and build it up to suit your needs or tastes, and start riding. Wherever you want to explore, this is the bike that can get you there.



FRAME DETAILS



See page 57 for frame specs and geometry grid.

See page 58 for complete bike specs.



Color: MRE Green

TROLL available as frameset or complete bike

Though the Troll's geometry is that of a 26"-wheeled mountain bike, it's unlike most mountain bikes you'll find on your local bike shop floor. The frame has ample clearance for 28/38/50t mountain-triple chainrings and room for 26 x 2.7" tires. The gusseted front triangle, with its sloping toptube, provides generous standover clearance even when running high-volume rubber.

Build it with a 100mm travel suspension fork, or roll the 4130 CroMoly Troll fork. The stock fork is spec'd with canti pivots, disc mounts, low- and mid-blade rack bosses and fender eyelets. Run a rack, fender and disc at the same time, no jury-rigging required.

The Troll frame features horizontal rear-loading dropouts with a derailleur hanger, disc caliper mounting slots, and rack and fender bosses. There's a dedicated area for anchoring a Rohloff hub OEM2 axle plate, and we've included threaded M10 x 1mm holes for installing Surly trailer-mounting nuts or B.O.B. Nutz. The dropout design allows the simultaneous use of a rack, fender and disc brake. We include canti pivots, too. Options, options, options. Marcia, Marcia, Marcia.

Use the Troll as a mountain bike, cruiser, commuter or touring rig. Make it your go-to utility tractor. Try out different tires and handlebars. Add some racks, build it with gears, or strip it down to a singlespeed drivetrain. Take it camping, ride it to the grocery store or session on your favorite single-track. Build it up, ride it for a while, then reinvent it.

Like many of our models, the Troll is available as a frameset or as a complete bike.



FRAME DETAILS



See page 59 for frame specs and geometry grid.

See page 60 for complete bike specs.

Color: Eggplant or Not So Dark Black

OGRE

available as frameset or complete bike

This is Ogre, Troll's big wheeled brother sister. Troll and Ogre offer the same ability to accommodate a wide array of drivetrains, brakes, and cargo-hauling accessories. The main difference is that Ogre runs on 29" wheels, the Troll on 26".

Built of 4130 CroMoly steel and based on the tried-and-true geometry of our venerable Karate Monkey, Ogre is designed to be a platform for exploration, commuting, trailer-pulling, on-road and off-road touring, and just riding along. Ogre features, mounts for linear-pull and disc brakes, three bottle cage mounts (the mounts on the top of the downtube allow higher or lower cage placement depending on your needs), ample room between the stays for high-volume rubber up to 2.5", and housing guides designed to accommodate three lines which cleanly organize full shift and brake housing.

Ogre comes with our suspension-corrected (80mm) fork with threaded mounts for fenders and a rack. It will run cantilever or disc brakes so you can choose a system that best suits your stopping needs. Both fork and frame allow the use of a fender, disc brake, and rack at the same time. That's surprisingly unusual in many modern frames. The fork also sports triple-boss bottle cage mounts, one set on each side. Each cage can be run in a high or low position, or you can run oversized Anything Cages.

The frame is spaced for 135mm hubs, with the same rear-loading horizontal dropouts as our Troll. The dropouts feature a derailleur hanger, slotted disc brake mounts, M10 x 1mm threaded holes for mounting Surly Bill & Ted trailer-connecting hardware (or B.O.B. Nutz), and a dedicated anchoring point for a Rohloff OEM2 axle plate. We designed a ton of versatility into these dropouts so you can run a singlespeed, internally geared hub or full derailleur drivetrain, with disc or rim brakes, with or without racks and fenders, with new or older parts, whatever best serves you. Framesets and complete bikes are available in sizes small through XXL (equivalent to 24"). The complete bike parts spec is durable and sensible...just the sort of value you expect from a Surly.

If you're like us, your bike needs will likely change by the day, week, month or year. Ride it to the office during the day, rip some local single-track after work, use it to tote crates of freakishly-large tubers next weekend, and tour that stretch of off-the-beaten-path double-track next month. With Ogre, you can do that.



FRAME DETAILS



See page 61 for frame specs and geometry grid.

See page 62 for complete bike specs.

Color: Tanish Gray or Blactacular

LONG HAUL TRUCKER

available as frameset or complete bike

Over the years our Long Haul Trucker touring frame and complete bike has developed a devoted following. People understand and appreciate the LHT's dependability and everyday riding comfort, whether they're cruising to the store or lost in the middle of nowhere.

The Long Haul Trucker was designed in all aspects to go the distance in relative comfort, and to be able to haul a bunch of stuff. Its low bottom bracket and long chainstays provide comfort and stability. We gave it ample tire clearance for larger tires (larger tires soak up a lot of road static) with room for fenders. The frame's tubing is thicker-walled and larger-diameter than standard road and sport-touring frames, and this pre-tunes it for the weight of cargo. And it's got all the braze-ons, from rack mounts to water bottle cage bosses to spare spoke holders. Like all our frames, it's made of CroMoly steel. You'll probably never need to have the frame repaired, but if you do you're more likely to find someone who can weld steel than someone who can weld titanium or aluminum. Repair carbon fiber in the middle of Mongolia? Good luck with that.

For the completes we chose components that balance technical ability, durability, and value. This is stuff that works well on a fully loaded tourer, will last you a while, and won't shoot holes in your wallet. Add whatever else you need, like racks and fenders.

The standard Long Haul Trucker is compatible with good ol' rim brakes. It's available as a frameset and as a complete bike, with 26" wheels in 42-62cm frame sizes, and with 700c wheels in 56-64cm. The fork has two sets of eyelets on the dropouts as well as at proper mid-blade height, and bosses built into the side of the crown. All this makes the fork compatible with most types of racks, and provides options how you can mount racks and carry your stuff.

Go somewhere. Do something. Ride a Long Haul Trucker.



FRAME DETAILS



See page 63-65 for frame specs and geometry grid.

See page 64 for complete bike specs.

Color: Smoggy Pearl or Blacktacular

DISC TRUCKER

available as frameset or complete bike

Our Long Haul Trucker enjoys a reputation as one of the best riding and most value-packed touring bikes out there. It's been around long enough to be tested in the real world, in all kinds of places with all kinds of loads on all kinds of roads.

Sometimes a combination of load, climate and terrain demands a bit more braking performance than a rim brake LHT provides. That's where the Disc Trucker comes in, it's essentially a Long Haul Trucker with disc brakes specifically designed for the unique forces discs impose. We've also made sure it can run discs, racks, and fenders with no jury rigging, a somewhat unique feature we've decided to call Simulpatibility.

Most of the components on the complete bike are the same as the standard LHT, parts chosen for their balance of technical capability, durability, and value. The drivetrain is a 3x9 system with the sort of wide gearing suitable for loaded and unloaded travel. For the Disc Trucker we chose Avid BB7 cable operated brakes for their proven reliability and ease of service, and Shimano XT M756 hubs with 6-hole rotor mounts. These hubs are durable and easy to maintain.

Your Disc Trucker is designed from the ground up to take you and a bunch of stuff just about anywhere you'd like to go. You'll need to outfit it with the extras you want, like fenders and racks. We don't include that stuff because everybody's needs are different. From the casual commuter to the person who rides around the world more than once, the Disc Trucker is more than capable. It's a tool designed to help you get lost and find yourself.



FRAME DETAILS



See page 63–66 for frame specs and geometry grid.

See page 66 for complete bike specs.

Color: Maroon #79

TRUCKER DELUXE

frameset only

Otherwise a standard rim brake, 26" wheeled LHT frame, the Trucker DeLuxe splits into front and rear halves, and is joined by brazed-in stainless steel threaded sleeves commonly known as S&S Couplers (S&S Machine is the company who invented and manufactures them). S&S Couplers allow the bicycle (without bags or racks) to fit into a case within airline regulation dimension for standard size luggage, meaning your bike can fly at the same price as a normal piece of checked luggage. We sell this as a frameset only, and advise that to properly make use of the option this frame provides, a certain level of mechanical aptitude is required. You have been warned.

- 26" wheel only, framesets only
- Sizes 42, 46, 50-62cm

So there you go. Lots of options, lots of sizes. As we said when we first introduced the Long Haul Trucker touring frameset, nothing is quite as epic as a really long bike ride. Long Haul Trucker are designed from the ground up for exploring that idea. Pack up, sell the car and go.




FRAME DETAILS



See page 62-64 for frame specs and geometry grid.

Color: Dave's Frozen Tears



Trail bikes are those Surly models that are dedicated by their design to ripping on singletrack. Which is not to say you couldn't go other places with them but they shine brightest when allowed to stretch their legs on a trail, unencumbered by cargo, traffic or fear.

INSTIGATOR 2.0

available as frame or complete bike

The "0" stands for "oh dayam!" Some may remember a Surly model we discontinued called the Instigator. The Instigator was a burly hardtail made for going fast and going big. Our new Instigator picks up where that one left off. This thing is beefy and tough, yet quick-handling and well balanced.

This new Instigator differs from the old one of course. Most notably, Instigator 2.0 is what we call 26+, designed to run 26" (559mm ETRTO) Rabbit Hole rims. At 50mm they're quite a bit wider than standard MTB rims, and coupled with our 2.75" Dirt Wizard tires the overall diameter is about 27.5" (roughly 650b, maybe even a bit bigger). All this means you get loads of traction and cushion yet you can still accelerate like mad. The toptube is long and the wheelbase relatively short, with a nice front/rear balance. This thing is made from the ground up to swoop, rail, hammer, drift, carve and fly. It goes downhill like nobody's business and climbs well too.

Instigator 2.0 employs a 44mm headtube, which paired with a tapered steerertube will provide a stiff front end and compatibility with lots of suspension forks. The rear end uses our new Modular Dropout System, allowing you to change up your drivetrain according to needs. Frames ship with MDS dropouts in rear-loading horizontal singlespeed, standard vertical with derailleur hanger and a 142 x 12mm thru-axle versions. Pick your poison.

Stock build comes with our new Dirt Wizard tires on Rabbit Hole rims, a Fox32 fork with 140mm of travel and Shimano SLX drivetrain and brakes (180f/160r), all on a SolidGold Gold frame. Bad ass.



FRAME DETAILS



Color: SolidGold Gold

See page 67 for frame specs and geometry grid.

See page 68 for complete bike specs.

KRAMPUS

available as frameset or complete bike

Krampus is (to us) the natural evolution of the 29er and not a fatbike at all. True, its got bigger-than-usual tires. (29 x 3" Knard tires on 50mm Rabbit Hole rims, to be exact, a platform we have dubbed "29+"). But while the big tires are impossible to ignore, offering increased traction and float over soft terrain and even a bit of suspension like cushioning, don't assume that Krampus is for slow-speed crawling. Krampus's frame (geometry, tubing diameter/thickness) has been designed with a long toptube and as short of rear end as we could get away with given the wheel/tire size. This, when combined with the big, wide tires, results in a mad amount of rolling inertia and grip. It rips and responds well to body English.

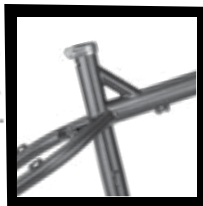
Still, we can't deny that Krampus does exceedingly well rolling over all kinds of stuff, things you'd normally think you'd need suspension to tangle with. Krampus lives somewhere between bushwhacking, speed racing, and back lot dirt track riding, and all this makes it just plain fun to ride.

Hub spacing is standard 100mm front and 135mm rear, with rear-loading horizontal dropouts that accommodate a derailleur and single ring/cog drivetrains. Its got our Trip Guides which cleanly and efficiently route full-length housing. Its got clearance for disc rotors up to 185mm and is designed to run a high direct mount standard front derailleur. This type of derailleur will allow the most clearance at the tire. Even though there is no need for the sort of frame offset you find on our Pugsley and Moonlander models, chain and derailleur clearance at the tire remains a serious consideration. If you plan to use standard width rims and tires, you'll be able to run a normal mountain triple crank. However, if you go with our 50mm Rabbit Hole rims and 3" Knard tires (and why wouldn't you?) then plan to use a 1x or 2x crank...a triple simply won't clear the tire. For best chain/tire clearance, we recommend either a Surly O.D. 2x crank or a 1x system. Other brands' 2x cranks will work but may cause some chain-on-tire rub in the easiest gear combo.

Krampus is a trail bike. It'll go other places too, but put it on some singletrack and give it the juice and then hang on for the ride.



FRAME DETAILS



Color: Moonlit Swamp

See page 69 for frame specs and geometry grid.

See page 70 for complete bike specs.

KRAMPUS OPS available as frameset or complete bike

There is no need for us to immerse you once again in the bath that is the Krampus, or 29+ for that matter. Go back a page if you really need the meat and potatoes of what this bike is all about. There's plenty of info there to get you up to speed. But you probably know that already, don't you?

The "Ops" in Ops here at Surly is short for "Optional" and to us that means that this build doesn't just have some fancy new trim package, but is spec'd and in this case designed a bit differently to offer the user "optional" utility. Other utility. The Krampus Ops comes with a Surly OD crank, giving you far more possibilities for drivetrain (you can convert it to an off-set double by adding one of our chainrings and then using a direct mount standard front derailleur and an adapter to give you optimal tire clearance). So a few more options there.

The Krampus Ops also features our Modular Dropout System (MDS), allowing you to change up your drivetrain according to needs. Frames ship with MDS dropouts in 10mm track end singlespeed, standard vertical with derailleur hanger and a 142 x 12mm thru-axle versions. So, you may do what you will. Again, with all these options how will you ever get out of your house? You'll manage.

Krampus hub spacing is standard 100mm front and 135mm rear. It's got clearance for disc rotors up to 160mm and is designed to run a high direct mount standard front derailleur. For best chain/tire clearance, we recommend either a Surly O.D. 2x crank (which comes on the complete)(oh the options) or a 1x system. Other brands. 2x cranks will work but may cause some chain-on-tire rub in the easiest gear combo.

Enough options for you? Probably not, but we're not machines. Now go get on and get off.



FRAME DETAILS



See page 69 for frame specs and geometry grid.

See page 70 for complete bike specs.

Color: Flat Black

KARATE MONKEY

available as frameset or complete bike

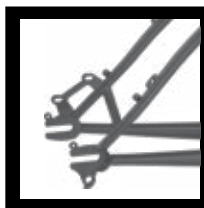
The Karate Monkey was one of the first production 29ers. It put the 29" platform in front of a lot of people at a price within reach of many a bike nerd. Since then 29-inch has become a full-blown category, with entire bike companies dedicated to the platform. 29" wheels offer some benefits over the old standard 26" wheels. They deliver increased traction, smooth out terrain, carry inertia and generally fit tall riders better than 26". The Karate Monkey helped set the standard for 29er geometry. Its rear wheel is tucked in, keeping it nimble and maneuverable. The bottom bracket height maintains ground clearance while remaining low enough to ensure stability. The toptube slopes, keeping the headtube up for good fit and to allow the use of an 80mm suspension fork, while supplying good standover clearance for your little friend.

The frame and fork are made of custom designed Surly CroMoly steel and delivers a resilient, lively ride, yet it's durable too. The horizontal rear-loading rear dropouts have a derailleur hanger, so you can run derailleurs or single ring and cog drivetrains. Singlespeed it, make it a fixed gear or run an internal geared hub. It runs disc brakes, and has clearance for rotors up to 200mm. Tires up to 2.5" will fit. Bitchin'.

Curving trails through tightly-packed trees, negotiating rock ledges on mountain sides, pounding out back roads, or just pointing it into the underbrush, the Karate Monkey is willing, ready and able. It's a trail bike for going "that direction," whatever that direction might be.



FRAME DETAILS



See page 71 for frame specs and geometry grid.

See page 72 for complete bike specs.

Color: Stretchpants Black or Safety Scissors Blue

KARATE MONKEY OPS

available as frameset or complete bike

We've offered the Karate Monkey as a single speed build for years. It could always accept gears - we just left them off—but Surly, being the nice people we are, decided we'd give you an out of the box multi-speed option so you can start shredding the trails if gears are your thing. In many ways, it's the same Karate Monkey we all know and love. It uses the same nimble geometry that made the Karate Monkey famous. The tubes are still our very own 4130 'Natch tube set we've all been riding around on since the beginning, plus you get all the benefits of some nice little frame updates. What are those benefits, you ask? Let's have a look!

The tip of this spear is the 44mm headtube, which allows you to run either a straight or tapered fork like the 15mm Thru-axle Fox Float 32 we've spec'd to keep your front wheel planted on the ground and tracking at all costs. The Surly Modular Dropout System, or MDS if you're into the whole brevity thing, gives you the choice between horizontal, standard vertical or a 12x142 thru-axle. The 10 speed Deore shifty bits we've used will make riding a veritable breeze without breaking the bank or requiring you to break into a bank. We've also strayed from our usual finish option of solid powder coat colors and have instead opted for a translucent powder coat. This finish is far cooler because it gives you a window into the "soul" of the frame. Yes, you can see right down to the metal- and that's pretty Metal. If you guessed that we took what was already a versatile and capable 29" trail bike and made it even more versatile and more capable, then you'd be exactly correct. Good work, smart guy.



FRAME DETAILS



See page 71 for frame specs and geometry grid.

See page 72 for complete bike specs.

Color: Stretchpants Black or Spraytan

IXI

Frameset only

Dig the 1x1, a singlespeed mountain bike. It was designed for 26" wheels, big tires (clearance for 2.8"), and single cog and ring drivetrains. Run it with a freewheel, a fixed cog or if you like with an internal gear hub.

The 1x1 is made of 4130 CroMoly tubing of our own design, with a custom double-butted main triangle and triple-butted fork blades for a tough yet responsive, lively ride. The geometry is pretty straightforward... it rides like a mountain bike. Chainstays are heat-treated for durability. It's got 51mm I.S. disc caliper mounts and removable rim brake mounts...pick your poison. The fork can be replaced with a 100mm-travel suspension fork, but we've maintained good standover clearance, Clarence.

After many years in our line-up, it may seem odd to keep the 1x1 around. 26" wheels aren't as popular as they once were, at least here in the U.S., but 26" is still a very capable wheel size, and works especially well on smaller frames for shorter folks. Plus, the 1x1 handles great, and can be built up a hundred different ways. It makes as good a street bike as it does an off-road bike. You could build it with 65mm Marge Lite rims, or 50mm Rabbit Holes and have yourself a mid-fat. The possibilities boggle the mind.

We sell it as a frameset. The finish, as on all our frames, is durable powdercoat.



FRAME DETAILS



See page 85 for frame specs and geometry grid.

Color: Cash Black and Other Limited Run Colors

PAVEMENT PAVEMENT

Our Pavement bikes are most at home on asphalt, cement, cobblestones, hard-packed dirt, and what-have-you; almost anything, really, as long as it's a relatively hard surface. That's not to say you can't take them offroad. The Cross-Check and Straggler in particular very capably tackle a wide variety of terrain, but when push comes to shove these bikes really love to pound out the miles, in the city, on country roads, and everywhere in between, all day, every day. Maximum tire sizes for models in this category range from 32-42mm.

PAVEMENT PAVEMENT

STRAGGLER

available as frameset or complete bike

So what is this Straggler anyway? The easy answer is to say that we added disc brakes to a Cross-Check and this is close to accurate. People have asked us to make a disc version of our highly versatile Cross-Check for a long time now. The tube set, geometry, tire clearance and most everything else is the same as the Cross-Check. Straggler is slightly different, though.

The most obvious difference of course is that the Straggler has disc caliper mounts instead of rim brake studs. It'll accept rotors up to 160mm. The rear dropouts are unique, too. They're a partially closed horizontal design that accommodates singlespeed or geared drivetrains. The dropouts feature stop screws that thread in from the rear that add further secure the wheel and provide rear stops when using derailleurs with exceptionally large tires, plus a threaded hole in the front of the drive side dropout for a chain tensioning screw, useful if you run a singlespeed drivetrain. The rear dropouts are spaced 135mm instead of 132.5mm like the Cross-Check simply because there are far more options for disc hubs in this spacing.

Straggler shares all of the Cross-Check's braze-ons for fenders, racks and bottle cages, and like the Cross-Check its ready to take you just about anywhere. It's a day tripper and a weekender. It's a 'rough road' road bike. It's a cyclocross bike with no pretense about racing. It's a utilitarian townie. It's a light-duty touring bike. It's an all-weather commuter. And when you get tired of one set up, you can swap parts around and turn it into something else. We think that's pretty neat.

New



FRAME DETAILS



See page 73 for frame specs and geometry grid.

See page 74 for complete bike specs.

Color: Glitter Dreams or Closet Black

PACER

available as frameset or complete bike

Behold the Pacer. For years we sold it only as a frameset. It was understated, didn't draw a lot of attention to itself, but it rode great and people who rode one loved it.

The Pacer is not what most race-inspired roadies seem to drool over. It isn't made of ultra-light, super-expensive materials, and it isn't festooned with lots of bright colors and graphics. This is not a racing bike. It's a bike meant for all-day rides. That may not be glamorous but it makes a lot more sense for how people actually ride than many road bikes out there.

Pacer's geometry and Surly-designed CroMoly steel tubing make it fast and efficient like a road bike should be. Its lively, climbing and descending with equal agility, but it's comfy too. It doesn't have a lot of bells and whistles, but then it doesn't need them. Add water bottle cages and fenders if you like, then get out and ride. The clearance for tires up to about 32mm is a nice feature for an all-day bike. Higher volume tires take the edge off the bumps and jangles which otherwise can harsh your ride since tire casings flex before the frame. The frame is designed around common component standards, so there aren't many restrictions about how you can build it. If you choose the Pacer complete bike you'll find it has a nice mix of parts that work well and are durable. This year we changed up the componentry to a Shimano 105 Drivetrain and its got a shiny new paint job too. Prit-ty fancy.

There are a lot of other road frames out there that are flashier, more exotic, and full of promises most riders only dream of fulfilling. The Pacer doesn't need to make promises. It's too busy out there in the sun and rain, pounding out miles, flying down the road.



FRAME DETAILS



See page 75 for frame specs and geometry grid.

See page 76 for complete bike specs.

Color: Disco Tomato

CROSS-CHECK

available as frameset or complete bike

The Cross-Check was the third frame we ever offered. There is no such thing as one bike that can do it all, but the Cross-Check does a good job of most things people use bikes for. It's a cyclocross bike by design but that's not how most people use it. It does as good a job getting you across the country as it does getting you across town. It's at home on the road and on trails, on gravel, and just about whatever else you might run into. It'll take pretty big tires, or smaller ones if you like. It can be built as a geared bike, a singlespeed or a fixed-gear.

The frame is designed to supply a comfortable but lively ride. The tubing is CroMoly steel, high quality drawn tubing built to our specifications. It's built to work with components of popular sizes, meaning you can find options in tons of new and old parts. It will accommodate a wide range of crank types and chainring sizes. It's got accommodations for racks and fenders front and rear. Because it takes those big tires, so you can outfit it to suit where and how you'll use it.

We offer the Cross-Check as a frameset and also in complete bike form. In fact, we've got two versions of the Cross-Check complete. One is a 2x9, with drop bars, cantilever brakes and traditional bar-end shifters. The other is a singlespeed, geared 42/17, with a Salsa Motoace riser bar, Avid V-brakes and comfy, capable 42mm Continental Tour RIDE tires. Both use the same frame so you can change it up later if you want.

There's a reason we still offer the Cross-Check after all these years. The frame is comfy, tough as nails and super versatile. We continue to hear from people for whom the Cross-Check has long been their default go-to bike simply because it performs so astonishingly well.



FRAME DETAILS



See page 77 for frame specs and geometry grid.

See page 78 for complete bike specs.

Geared Color: Hospital Foam or Gloss Black
Singlespeed Color: Blark Due

STEAMROLLER

available as frameset only

The Steamroller is a street fixed-gear. Its geometry is closer to that of a road bike than a true track bike, a sensible choice that, when combined with its double butted 4130 CroMoly steel tubing, produces a frame with a lively, resilient ride. This isn't just some wanna-be track bike. It's a bike that handles whatever you run into, wherever you go. It's adept at handling rough, pot-holed streets, grass shortcuts, urban trails, back alleys, whathaveyou.

We sell it as a frame and fork. Use a track crank or a road crank. It's got room for tires up to about 38mm because big tires roll fast and absorb all kinds of road static, from pea gravel to cracks to cobble stones. We gave it a standard 1-1/8" threadless straight steer tube, one set of water bottle cage bosses, and rear-loading horizontal dropouts. The bottom bracket shell is standard English-threaded. Although it is designed as a fixed-gear, we gave it accommodations for rim brakes front and rear should you decide a freewheeling singlespeed is more your style.

All in all, the Steamroller is simple and fun to ride, yet highly capable. It's a bike that will take you all over the place and back again. You can get fancier bikes, but you'd be hard-pressed to find one that is as smooth on all sorts of terrain. It's just a plain-old good bike that rides great and isn't too spendy.



FRAME DETAILS



See page 86 for frame specs and geometry grid.

Color: Zinc and Other Limited Run Colors

OMNITERRA

Surly's nomenclature for fat bikes. These are not just off-road bikes, they're bikes that go where other bikes can't. The hallmark of the OmniTerra line is bikes with tires at least 3.8" wide, designed to be run at low pressures, with very wide rims. These bikes supply a high degree of float and traction and a low degree of ground impact.

OMNITERRA

TNINA

MOONLANDER available as frameset or complete bike

You know by now that Moonlander runs 4.8" tires on 100mm rims. Such a large footprint allows you to ride them at very low pressure, which (as with a snowshoe) enables unparalleled traction and float over all kinds of terrain...wet stuff, roots, rocks, pebbles, gravel, sand, and many types of snow.

Like all of our framesets, the Moonlander is made of Surly 4130 CroMoly steel. It features 135mm-spaced horizontal 'dropouts' with a derailleur hanger, meaning you can set it up as a singlespeed, with an internal gear hub, or standard derailleur drivetrain. The rear end is offset 28mm to allow the drivetrain and wide tires to play nicely together. Moonlanders now come with a 135mm O.L.D. non-offset fork, but if you like being able to swap front and rear wheels you could get one matching the rear offset. In fact, all of our fat forks share the same axle-to-crown and rake measurements, so for example you could put a Moonlander fork on a Pugsley if you wanted.

The fork has a 51mm I.S. disc caliper mount, and mid-blade thru-eyelets and lower rack barrels for mounting a fender and rack (you'll probably need to alter something to fit, but the option is there should you choose to).

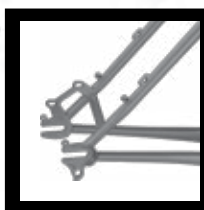
The frame's geometry is not unlike a standard mountain bike, with a bottom bracket height that supplies plenty of clearance for bushwhacking and monster-trucking while remaining low enough for a stable ride. The toptube maximizes standover height while keeping the headtube fairly high so you can set up your rig with a comfortable, all-day-grind riding position.

We offer the Moonlander as a complete bike, with components that were chosen for their durability and their suitability to the task at hand, including our own Clown Shoe rims with all-terrain Bud and Lou tires. It also comes with our O.D. Crank, which supplies plenty of room for the fat shoes while keeping a wide-ranging 2x10 drivetrain. We also offer it as a frameset if you would rather kit it out yourself. Frame sizes range from Small (16") to XLL (22" Extra Long).

Moonlander, like its name implies, is meant to go beyond where normal bikes, even normal fat bikes, can go. It is designed from the ground up to ride where there are no roads, no trails and no people.



FRAME DETAILS



See page 79 for frame specs and geometry grid.

See page 80 for complete bike specs.

Color: Titanium Sand

PUGSLEY available as frameset or complete bike

By now you know that Pugsley was created to go where standard "all terrain" bikes flounder. The floatation and traction afforded by large-volume, low-pressure tires can get you over and through otherwise un-rideable terrain...sand, mud, wet rocks and roots, ice and dense or packed snow.

The Pugsley frame has 135mm-spaced horizontal rear-loading dropouts with a derailleur hanger (offset 17.5mm). This means you can set it up with a derailleurs drivetrain or an internally-geared hub. Run it with a singlespeed freewheel or a fixed cog. You have lots of drivetrain choices, that's why we use 135mm hubs.

Pugsley is available as a frameset and as a complete bike. The rear end will accept tires up to 3.8" on rims up to 82mm wide. The fork will take up to 4.8" tires on 100mm rims and is non-offset. If you want to be able to swap front and rear wheels, get an offset Moonlander fork. This can be pretty handy in extreme temperature and physical conditions if, say, your freehub body were to seize up in the middle of nowhere at -50°F.

The standard Pugsley complete bike sports a nice mix of components chosen for their durability and value. We've given it Nate 3.8" tires on 65mm Marge Lite rims, Microshift thumb shifters, which work well especially when wearing mittens and Avid BB7 cable disc brakes (totally black), plus a mix of other parts chosen for suitability and durability. This is a solid kit that will serve you well wherever you go.

Pugsley is offered in sizes XS (about 14") to XL (about 22") and comes in all black or black and blue.



FRAME DETAILS



See page 81 for frame specs and geometry grid.

See page 82 for complete bike specs.

Color: Real Blew and Apathetic Black

PUG OPS

available as frameset or complete bike

We won't beat you over the head re-explaining the idea of the Pugsley or fat bike theory. If you're looking at this, we're guessing you already know what it's about. If you don't, then check out the Pugsley and Moonlander pages. There's plenty of info there to get you up to speed.

Pug Ops is a mid-fat fat bike. Where the standard Pugsley sports 65mm rims and the Moonlander runs 100mm rims, Pug Ops has 3.8" Nate tires on 82mm Rolling Darryl rims, increasing its footprint, and thereby its float and traction, compared to the Pug, while keeping the wheel weight lower than Moonlander.

Pug Ops shares the same frame as the standard Pugsley, and its got the same non-offset fork. The fork has clearance for 4.8" tires on 100mm rims, it is spaced for 135mm hubs and has cage mounting bosses on each leg for running either standard bottle cages in a high or low position or a larger Anything Cage.

It isn't just the wider rims that set it apart though. Many of Pug Ops' parts are nicer. It gets our O.D. Crank with 36/22 rings, 120tpi Nate 3.8" tires, Shimano LX derailleurs and SLX shifters and 180/160mm front/rear rotors with all black Avid BB7 cable disc brakes. This year it comes in a beautiful olive drab color with matching rims.

If you live some place with a lot of snow or sand or backcountry with no trails, if you like to explore and leave as little to show you were, check out the agile, sure-footed, classy Pug Ops.



FRAME DETAILS



See page 81 for frame specs and geometry grid.

See page 82 for complete bike specs.

Color: Canvas Green



The Haulin' category is populated by those Surly products dedicated to moving large, heavy, unusual, bulky loads by bike. Want to carry groceries? Bags of mulch? A cat crate? A refrigerator? Lumber? Yard waste? Rocks? A ladder? Shovels? A chainsaw? Two chainsaws? Enough chainsaws for everyone at the party? The Hauling line is for anyone whose hauling-by-bike needs have outgrown racks and panniers.

BIG DUMMY

available as frameset or complete bike

Big Dummy is one of those cargo bikes that seems to be getting so much attention lately. Actually, the Big Dummy has been around for quite a while now. It's built around the longtail standard design platform, which means that Xtracycle or Surly accessories can be added depending on what you want to carry, or you can build your own to meet whatever hauling needs you have. However, being a dedicated single-piece frame instead of an add-on to an existing bike, it's more stout and resistant to torsional flex, and this makes it resistant to fatigue and failure.

Like all our frames, it's made of steel and it's got lots of little touches that you've come to love in a Surly, like clearance for bigger tires and common component sizing. Figure on being able to carry about 200 pounds (90kg) of cargo. The load weight, and how it's loaded, will affect the handling somewhat. Also, plan on using gears, especially as cargo weight increases. This may seem obvious, but as you get comfy with it you'll use your full range of gears as never before.

The parts kit is good quality, and suitable to loaded as well as unloaded riding. It's got a 3x9 drivetrain, Avid BB7 mechanical disc brakes, Shimano Deore hubs, derailleurs and shifters and 26 x 2.1" Continental Town & Country tires. For hauling, it's got a Surly bags, deck and rails kit...everything you need for the majority of stuff you might carry, like groceries, shovels, bags of charcoal or mulch, guitars, lamps, mannequins, whatever. Xtracycle also makes a bunch of stuff that can broaden or fine-tune your carrying capacity and many people have designed and built their own pieces.



FRAME DETAILS



See page 83 for frame specs and geometry grid.

See page 84 for complete bike specs.

Color: Aspaunt Gray

BIG DUMMY CARGO ACCESSORIES

Surly Big Dummy deck, rails and bags are tough and versatile so that you can haul all kinds of stuff on your Big Dummy, or other cargo bike using the Xtracycle design platform. Used all together, Surly deck, rails, and bags provide a solid, unified structure. The deck bolts directly to the rails, so the system is stable and strong. We use high quality materials, including sailcloth fabric for the bags, aircraft-grade aluminum for the rails, and stainless steel for the drain and cord grommets. We've spent a lot of time thinking about details to ensure they're useful, convenient and will last a long time. Details like light and bottle cage mounts, roll-away rain covers, and lots of spots on the deck to hook straps, bungee cords or other tie-downs. Individual pieces can be mixed-and-matched with your current decks or rails or bags. We think that's pretty neat. Available as component pieces or as a complete kit, Dummy Rails, Deck, and Bags are designed by people who actually use them.

DUMMY DECK

Our Dummy Deck provides a light, durable platform for cargo bikes built to Xtracycle's Longtail standard... including the Big Dummy, of course. It bolts directly to Dummy Rails using M5 metric hardware (provided with Dummy Rails). Its also compatible with Xtracycle V-racks, using Xtracycle's SuperHooks. The Dummy Deck is stamped from 4mm-thick aluminum, chosen for its strength, durability, and recyclability. It features cut-outs for routing straps and cordage, a mounting hole for a rear light bracket, accessory-mounting holes, and countersunk holes for SuperHook hardware.

DUMMY RAILS

Made of seamless 7005 aluminum, Dummy rails support the deck and bags on our Big Dummy and other cargo bikes using the longtail standard modular design. They feature threaded bosses for directly bolting down the Dummy Deck. These bosses are welded (not riveted) into place. The result is a stiff durable interface, and an excellent foundation for a stable load. The threaded deck-attachment bosses sit slightly above the surface of the rails, leaving space between the deck and rails for routing tie-down straps or cords. The threaded bosses located at the rear of each rail provide mounting locations for accessories including bottle cages, lights, cameras, pumps, flags, horns, light saber scabbards, disco balls, spittoons, cornucopias, and whathaveyou.

DUMMY BAGS

Dummy Bags are durable, versatile, highly functional bags made for the Big Dummy, Xtracycle FreeRad and other cargo bikes using the Xtracycle Longtail Standard. All materials, from fabric to thread to hardware, were chosen specifically for their given applications...as light or as heavy as they need to be/ to survive the battle against the elements and daily wear and tear. They are made of high quality 840d Nylon, which is abrasion and puncture resistant. They are lined with 240D urethane-coated polyester tarpaulin to help keep stuff inside dry. Dummy Bags feature a roll-up rain flap, an expandable cargo flap, and a water resistant inner pocket with an optional divider. The cord and drain grommets are stainless steel, the cinch cords are replaceable, and so are the anti-wear patches at the disc caliper and derailleur contact points.

DETAILS



Xtracycle's longtail standard compatible bolt-on deck with rear bottle cage bosses for mounting lights, bottle cages, pumps or other accessories.



Deck features large cut-outs for routing straps and cordage, mounting hole for rear lights and countersunk holes for Extracycle's SuperHook hardware.



Dummy bags are expandable, water resistant and feature a hide-away rain flap, full length inner pocket with optional divider and extra long straps that can be connected to opposite bag to contain large loads.

DUMMY CARGO KIT

Solidly-constructed from high-quality materials, the Dummy Cargo Kit includes a pair of Dummy Rails, a pair of Dummy Bags, and a Dummy Deck...plus all the hardware you'll need to install everything and get haulin'. Works with any system using the Xtracycle cargo bike design, including of course our own Big Dummy.

GIVE IT A FULL LOAD



ROLL-UP RAIN FLAP



BILL & TED TRAILERS

There are quite a few options these days for trailers that carry kids or dogs, luggage, groceries and other relatively small loads. Trailers are nice because they can be detached when not in use, but most trailers can't haul much weight and the ones that do suffer some design drawbacks such as incompatibility with many kinds of bikes. Conversely, there are quite a few cargo bikes that can haul bigger loads, but cargo bikes meant for a lot of weight can be difficult to load, are sometimes difficult to ride (sometimes due to the bike's design, and sometimes due to the sheer weight of the bike itself), and require a lot of space to store. We felt we could help bridge the gap, so we designed two trailers meant to haul a lot, to be easy to use, and to work with a bike you have already.

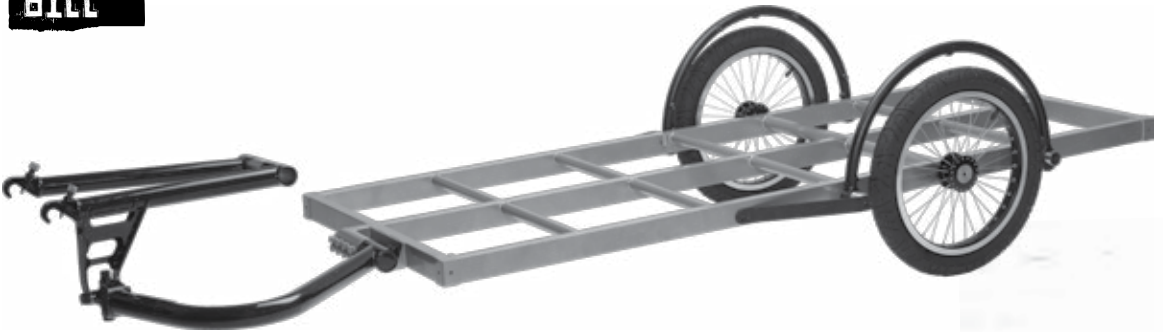
We make two bed lengths so you can find one that suits your needs. Bill is the long bed and Ted is the short bed (shorter name, shorter trailer, see?). The beds and hitch are constructed mainly of TIG-welded 4130 CroMoly steel. CroMoly steel is tough and durable and well-suited to this task. We used 304 stainless steel hardware where appropriate to ensure corrosion resistance and a long life. The beds have threaded eyelets for bolting down decking, corner posts, or creating other custom accessories using readily-accessible materials from your local hardware store, lumberyard or home improvement store.

The wheels are 16", keeping cargo low to the ground. 16" wheels are also stronger than larger diameter wheels favored by many trailers. We designed our own hubs to meet the requirements of this frame. The rims are double-wall with stainless eyelets. The spokes are stainless steel, radially laced. Combined with smooth, easy rolling 1.95" tires, these are stout wheels designed specific to their purpose.

Our hitch system is designed to be as universal as possible. Regardless of the configuration of your bike frame, our hitch will likely fit your bike. It doesn't clamp to the bike's frame tubes. Instead, it attaches using a proprietary axle skewer or thread-on axle nuts. The Surly trailer hitch works with full-suspension frames, disc brakes, rear racks and fenders. It adjusts to accommodate hub widths from 120-145mm and allows you to align the centerline of the trailer on the centerline of the bike. It will work with bikes that have wheels as small as 20" and as large as 29" while keeping the bed level with the ground. This is especially important when you are hauling long items that hang off the back of the trailer (lumber, tubing, ladders, etc.).

There are some things to learn about using a trailer like this to haul stuff. You'll probably want to use a bike with gears, for example. As well, learning to load it right becomes more important as cargo weight increases. Load it over the axles, balancing the load. Too much weight on the hitch (tongue weight), or too much weight hanging off the back, and the bike's handling will be compromised, making it harder to control and potentially damaging your bike, the trailer, or you. Finally, we do not recommend ever carrying people or furry friends on Surly trailers. Sure it might be fun, but someone could get seriously hurt and that's not fun at all.

BILL



TED



BILL & TED TRAILERS

TRAILER SPECIFICATIONS

Tubing: Surly Custom drawn 4130 CroMoly steel. TIG-welded

Hitch-to-frame compatibility: Surly trailers connect to your frame via Surly mounting hardware. The hitch is width adjustable to fit most frames from 120-145mm O.L.D. (rear hub) spacing

Bicycle wheel compatibility: The hitch will fit a wide variety of wheel diameters, from 20" up to 29", accommodating up to a 29 x 3" tire. That's right, even our 3" Knards on 50mm Rabbit Holes will fit. Sorry, it won't work with fatbike rims and tires, such as our Large Marge or Larrys

Platform dimensions: Bill (long bed) = 63 x 24" (1608 x 610mm), Ted (short bed) = 32 x 24" (813 x 610mm)

Maximum tongue load: 50 lb (22.7kg)

Maximum total load: 300 lb (136kg)

Braze-ons: 5 x 1mm threaded barrels for securing a platform; corner stake eyelets

Trailer tire clearance: Our trailers come with 16 x 1.95" tires. There is clearance for 16 x 2.5" tires

Color: Silver with black hitch

Weight (includes hitch & wheels): Bill (long bed) = 37 lb (16.8kg), Ted (short bed) = 30 lb (13.6kg)

DETAILS

Bill and Ted Wheel Arches are made of light, durable aluminum. They help to keep cargo from shifting into spokes and are strong enough to support items that don't fit between them. Threaded bosses welded into the arches provide mounting points for fenders and spoke guards. Fender and spoke guard kits are sold separately. The frame is a solid unit constructed of welded CroMoly steel rectangular tubes of our own design. The hitch can be adjusted to level the bed, making it easier to carry long items.

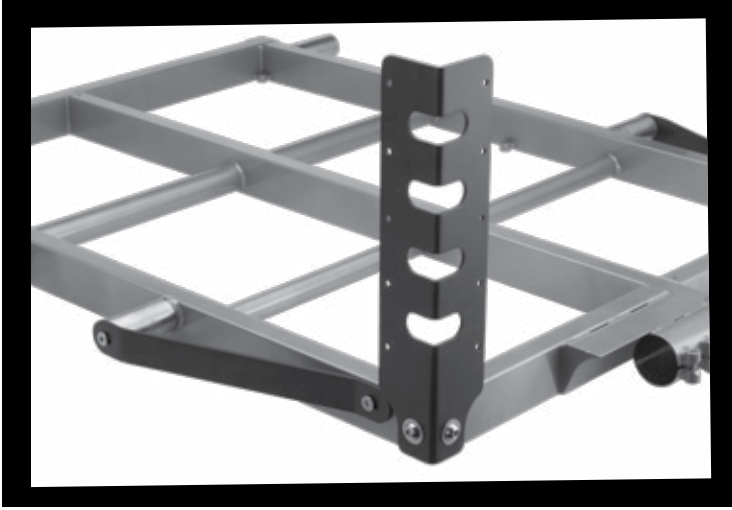


The hitch is highly adjustable to fit most types of bikes and a wide variety of wheel diameters and hub widths.

BILL & TED ACCESSORIES

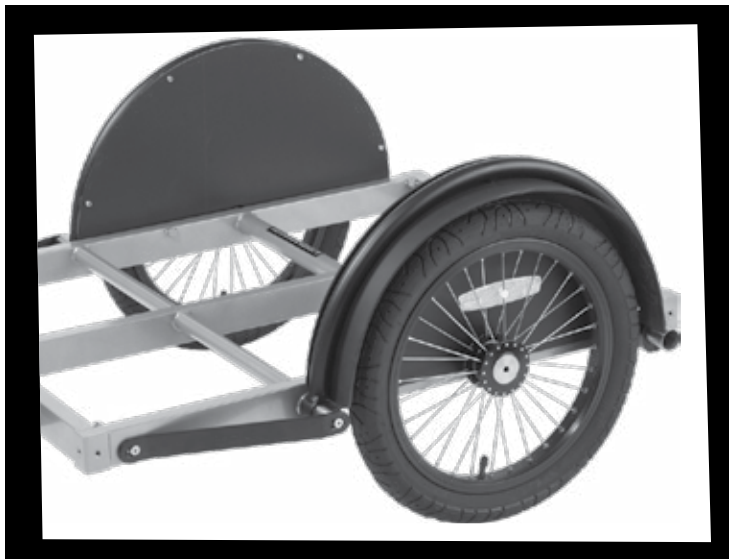
BILL AND TED CORNER STAKES

These corner stakes are designed to mount quickly and easily to your Bill or Ted trailer. Install them and then add planks, plywood, tarpaulin, plastic panels, or whatever you for box sides, or install just the corner stakes to keep large and long items in place. They feature multiple wall mounting-hole locations to accommodate whatever material you're using for walls as well as multiple tie-down locations to lash cargo to the bed or in the box. Sold as a set of 4. Made of aluminum. Blacque, Jacques.



FENDERS & WHEEL GUARD KITS

Adding fenders and wheel guards to your Bill or Ted trailer is simple and easy with these pre-fab kits. One kit includes two fenders to keep wheel spray under control and 2 wheel guards to keep stuff from migrating into your spokes. Made of recycled high density plastic. Stainless bolts not included....those came with your trailer. You've lost them? Get get some M5 x .8mm stainless bolts and everything will be o.k.



BILL & TED HITCH

O.K., before we get into this we'd just like to point out that this hitch is sold separate from our Bill and Ted trailers. We felt that by underlining this fact it might help save you the frustration of finding out the hard way. Alright, now that that is out of the way let's get to the meat of it: this hitch is designed to be as universal as possible. It works with lots of different kinds of bicycles, including full-suspension bikes, road bikes, recumbents and more. It works with bikes that have rear racks, fenders and even disc brakes. It is adjustable to work with hubs from 120-145mm wide. It also works with wheels ranging in diameter from 20-29" (even our 3" Knards on 50mm Rabbit Holes will fit) while keeping the bed level with the ground, a feature designed to help keep your load stable. Few trailers do most of these things and only one does all of them.

Many trailers attach to your bike's frame tubes or connect via a special adapter. One limits what kinds of bikes can be used and the other can pivot when hauling heavy loads. Some use springs or gently elastic rubber to accommodate angle differences between bike and trailer as you ride. This can cause handling issues. Our hitch connects to your bike via sealed bearing pivots affixed to your bike via a hollow axle skewer (for QR hubs) or axle nuts (these axle nuts also thread in directly to special holes in the dropouts of our Troll, Ogre and ECR frames). The hitch pivots vertically and horizontally on a U-joint, securely fixing the trailer to your bike while letting bike and trailer to conform to ground variation somewhat independent of the other, while maintaining a firm, non-elastic connection.

It is constructed of large diameter CroMoly and stainless steel tubing, and the way it attaches to trailer bed and bike is straightforward and easy. All in all, this is one class act.



The hitch is highly adjustable to fit most types of bikes and a wide variety of wheel diameters and hub widths.

DUMMY HITCH

Our Big Dummy, as you may know, is a cargo bike capable of hauling a bunch of stuff...groceries, other bikes, bags of manure, etc. It can handle fairly large, heavy, and/or unwieldy loads. Our Bill and Ted trailers can haul even bigger, heavier and more unwieldy loads. To most of us, one or the other is sufficient to satisfy our hauling needs, but some people just can't get enough hauling done with one or the other. These people (those not already employees of Surly) have written to us repeatedly, hounding us for a hitch that would let them pull their Surly trailer with their Big Dummy. Well, nutball cargo haulers, here is your solution: The Big Dumb Trailer Hitch. This handy piece replaces the wheel yoke of your Surly Bill or Ted trailer and inserts into the horizontal tubes on the non-drive side of your Surly Big Dummy cargo bike (or a cargo bike of the same design), thereby making it possible to haul your trailer using your cargo bike. Be advised that this hitch works only with the Surly trailer and that you will need to disassemble your old hitch and reassemble it with this new piece. Got it?





Welcome to the parts and accessories section, wherein you will find our products dedicated to riders seeking their own path. Are you building your own wheels, bike or new life? Everything to those ends is here, from our rims and tires to less exciting stuff like chain tensioners, lockrings, cogs and tie-down straps. We don't make junk, but when we do we take it seriously. Enjoy.

TIRES

DIRT WIZARD 26+

An aggressive tread focused on traction and control in loose and varied terrain, with beveled leading edge dual row knobs in the center and well-spaced, siped edge knobs to dig into loose corners. Designed to be run on 50mm rims, the 2.75" casing inflates about 27.5" overall diameter (that's pert near 650b, folks), meaning you get some benefits of a larger diameter tire like ground approach angle and more footprint, with easier maneuverability of a smaller diameter tire, plus some extra pneumatic cushioning. Minimum rim size for these bad boys is 35mm.

ETRTO: 559mm

Casing: 120tpi, folding bead (850g)
27tpi wire bead (1070g)



DIRT WIZARD 26+

DIRT WIZARD 29+

A 29 x 3" version of the aggressive, trail gobbling, traction- and control-focused Dirt Wizard tread. Dirt Wizard tires feature beveled leading edge dual row knobs in the center and well-spaced, siped edge knobs to dig into loose corners. Designed to be run on 50mm rims, the tires are tall and wide, providing next-level traction and cushioning. The casings have been designed to be responsive yet supportive, even in the heavier 27tpi version. Minimum rim size for these bad boys is 35mm.

ETRTO: 622mm
(note: designed for 50mm wide rims.
requires minimum of 35mm wide rim
to safely engage bead hook)

Casing: 120tpi folding bead (TBD)
27tpi wire bead (TBD)



DIRT WIZARD 29+

TIRES

KNARD 700 X 41

This is a similar Knard tread we previously introduced on a 29 x 3" casing, made up of low, closely spaced knobs, an effective tread for going fast over varied terrain. We chose 41mm because it's meaty enough to conform to the ground surface, absorb irregularities and provide a decent sized contact patch. Both the 27 and 120tpi casings do a good job and feel lively, though the 120tpi is lighter, more supple, and features a folding bead.

ETRTO: 622mm
41mm casing width
(Note: 23-30mm recommended rim size.)

Casing: 120tpi folding bead (465g)
27tpi wire bead (650g)



KNARD 700 X 41

KNARD 29 X 3"

This is our popular, fast rolling Knard tread applied to a 29+ casing. What's 29+? It's a tire meant for rims with a bead seat diameter of 622mm (29"), but large volume and ideally shaped when used on a very wide rims. In this case Knard is a 3" tire designed for 50mm rims. The larger diameter smooths rolling over rough ground, the increased volume adds a bit of suspension and float, the width increases traction, and the sheer size holds speed well. The profile is round and tracks well cornering and off-camber, and will remain effective on rims as narrow as 35mm. The closely spaced low-block tread grips well on multiple surface types but is most at home on dry rock and packed dirt. 27tpi and 120tpi casings available.

ETRTO: 622mm
(note: designed for 50mm wide rims.
Requires minimum of 35mm wide rim
to safely engage bead hook)

Casing: 120tpi with Kevlar bead (980g)
27tpi with wire bead (1240g)



KNARD 29 X 3"

KNARD 26 X 3.8"

The same tread as our new Knard 29 x 3" tire, a web of closely spaced blocks designed to grab terrain and hold it hostage until it's done with it. Made on the same casing size as our Nate and Larry tires, these tires occupy a unique place in the line-up: faster, less loose-dirt-and-mud oriented than the Nate 3.8, more point-n-shoot than Larrys or Endomorphs, and definitely more dirt than Black Floyd's.

ETRTO: 559mm (fits rims 50-100mm wide)

Casing: 120tpi with Kevlar bead (1255g)
27tpi with wire bead (1635g)



KNARD 26 X 3.8"

TIRES

BUD 4.8"

This is Bud, a front-specific 4.8" tire designed for 559mm ("26 inch") rims. While our 100mm Clown Shoe rims will offer the most ground contact and the best shape profile, Bud (and its matching rear, Lou) will also work on rims down to 65mm wide. Its aggressive, mud- and snow-shedding tread is characterized by tall (7mm), siped knobs, arranged in a pattern ideal for the unique requirements of steering and braking. A supple, durable 120tpi casing with folding Kevlar bead conforms well to ground surfaces of all types.

ETRTO: 559mm (fits rims 65–100mm wide)

Casing: 120tpi with Kevlar bead (1585g)



BUD 4.8"

LOU 4.8"

Lou is the 26 x 4.8" rear-specific mate to Bud. Lou's tread is much like Bud's with tall knobs designed to grind, crawl and claw its way over rooty, rocky, wet, muddy, loose or otherwise inhospitable terrain. Lou's tread pattern is a bit different, however, made for stability both braking and accelerating. Its casing is durable, thin-walled 120tpi which conforms well to the ground surface shape. Folding Kevlar bead.

ETRTO: 559mm (fits rims 65–100mm wide)

Casing: 120tpi with Kevlar bead (1585g)



LOU 4.8"

NATE 3.8"

We named this tire for our friend Nate, who is himself large and aggressive. A major departure from Endomorph and Larry's more shoot-n-drift tread characteristics, Nate is a shred-your-face-off, run-over-anything, kung fu grip knobby tread pattern. The casing is round and supple. Tall, widely spaced knobs are siped for added grip and compliance. The knobs' wide spacing means they dig deep and still shed the crap you're riding through. The tread is wrapped around the sides of the tire some, providing good knob contour even on very wide rims, which in turn allows good off-camber traction.

ETRTO: 559mm (fits rims 50–100mm wide)

Casing: 120tpi with Kevlar bead (1350g)
27tpi with wire bead (1730g)



NATE 3.8"

TIRES

BLACK FLOYD 3.8"

Sometimes a lot of tread isn't necessary. Sometimes, even on a fat bike, you don't want to run real low pressure in your tires. Sometimes even fat bikes want to stretch their legs and run. Enter Black Floyd. Black Floyd allows you to pump up the pressure and cruise like a '71 El Dorado. The casing is designed to work best on 65mm rims. The tread is comprised of tightly spaced low profile "bricks". Naturally, it's designed for street and hard-pack conditions. We expect the unicyclers will dig this one too. Your ideal pressure will vary according to what you want to ride, but in those places where less is more, Black Floyd will transform your fat bike into a road warrior.

ETRTO: 559mm (fits rims 50-65mm wide)

Casing: 60tpi with Kevlar (1050g)



BLACK FLOYD 3.8"

LARRY 3.8"

Larry is designed as a front tire for riding in snow, sand, mud and other loose or soft conditions. Its series of dart shaped knobs and tiny domes scattered among them combine traction and drift control. Designed around a 65mm rim, it will also retain good height and traction characteristics on 50, 82 and 100mm rims.

ETRTO: 559mm (fits rims 50-100mm wide)

Casing: 120tpi with Kevlar bead (1255g)
27tpi with wire bead (1635g)



LARRY 3.8"

BIG FAT LARRY 4.7"

The Larry tread applied to a very large casing. This tire measures about 4.7" on a 100mm rim! What does this mean to you? Float, float, float, my friend. Traction, Jackson. Larry tread provides good grab and steering in a multitude of conditions. For those of you looking for the maximum in traction and floatation, you have just found the mother lode.

ETRTO: 559mm (fits rims 65-100mm wide)

Casing: 120tpi with Kevlar bead (1400g)



BIG FAT LARRY 4.7"

RABBIT HOLE 26+

A 26" version of our 50mm Rabbit Hole rim. Run tires as small as 2.3 or 2.4", or as large as 4" (depending on the clearance of your frame) to get yourself more traction, simple suspension and float than you can get with standard width rims. Our semi-single wall design maintains rim strength and rigidity without adding significant weight. All our rims use a dual-row spoke hole design, allowing one rim to be built on-center or offset, depending on the type frame you'll use. Just make sure you use a frame with proper clearance.

Hub Compatibility: 32h hubs

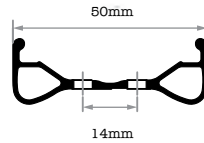
ETRTO*: 559mm

Weight: 600g

Color: Black Anodized or Polished Silver



RABBIT HOLE 26+



RABBIT HOLE 29+

50mm wide, and technically a single wall with internal tubes to buttress it, the Rabbit Hole is designed in conjunction with our Knard 29 x 3" tire and Krampus frame to provide a wide, stable footprint that walks the line between the traction and float of fat bike rims and the speed and even greater obstacle crushing approach angle of 29ers. Its weight is more than a standard 29er rim but less than a fat bike rim, so there you go. It's made of high quality 6061-T6 aluminum with a welded seam, and comes to you round and true because that's part of what makes strong wheels. The Rabbit Hole will also spread 2.3-2.4" tires, but your frame needs to have enough space. Available in the same 64 dual row spoke holes as our other rims with weight-shaving cut-outs.

Hub Compatibility: 32h hubs

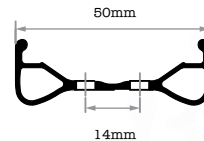
ETRTO*: 622mm

Weight: 699g

Color: Black Anodized or Polished Silver



RABBIT HOLE 29+



MARGE LITE

65mm wide like Large Marge, Marge Lite shaves a lot of weight over regular Marges while retaining torsional stiffness. This rim, like our Rolling Darryl and Clown Shoe rims, utilizes a 64 dual-spoke hole pattern. Lace 32 holes all on one side when building for frames with offset, such as our Pugsley and Moonlander. Lace 32 holes skipping side to side for non-offset frames or forks.

Hub Compatibility: 32h hubs

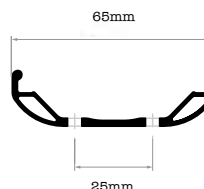
ETRTO*: 559mm

Weight: 690g

Color: Black anodized



MARGE LITE



*Tire bead seat diameter.

ROLLING DARRYL

82mm wide single wall. Same 64 dual-spoke hole design as Marge Lite (now available in 72-hole for use with 36h hubs). This rim will increase the footprint of 3.8" tires compared to 65mm rims. Cutouts shave weight and allow your rimstrips to show through, which looks pretty cool we think. Note: Use of this rim will increase the width of your tire and may cause the chain to rub the tire in the lowest gears, so either remove a couple cogs and add some spacers behind the cassette or else get you an O.D. Crankset or some of our Mr. Whirly Offset Double chainrings. Available in 32 and 36-hole (seasonally).

Hub Compatibility: 32h & 36h hubs

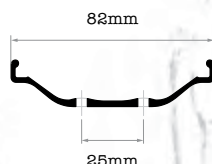
ETRTO*: 559mm

Weight: 860g

Color: Black and limited edition



ROLLING DARRYL



CLOWN SHOE

100mm wide! Holy moley! Designed for use with 4.0-5.0" tires such as our Big Fat Larry, Bud or Lou, and of course a frame with appropriate clearance such as our Moonlander. Same 64h dual spoke pattern as Marge Lite and Rolling Darryl rims. Cutouts for weight reduction and rimstrip pimping.

Hub Compatibility: 32h hubs

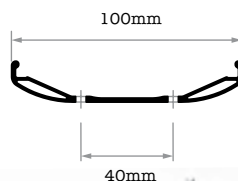
ETRTO*: 559mm

Weight: 960g

Color: Black and limited edition



CLOWN SHOE



RIM INFO

All our rims are wider than 'normal,' and some require specific dishing (or offset) to match certain fat bike frames. While it isn't especially more difficult to build a wheel like this or to have someone build one for you, some folks nonetheless find it more desirable to simply buy a complete wheel already built. We are not heartless sadists and we are half-hearted capitalists, so it only makes sense that we offer complete wheels built with rims we make: Clown Shoes, Rolling Darryls, Marge Lites, and our latest, the 50mm Rabbit Hole 29+ rim.

*Tire bead seat diameter.

COMPLETE WHEELS

While it isn't rocket surgery to build a wheel with rims like ours, all of them wider than 'normal,' and some requiring specific dishing (or offset) to match certain fat bike frames, some folks nonetheless find it more desirable to simply buy a complete wheel already built. We are not heartless sadists and we are half-hearted capitalists (deja vu), so it only makes sense that we offer complete wheels built with rims we make: Clown Shoes, Rolling Darryls, Marge Lites, and our latest, the 50mm Rabbit Hole 29+ rim.

Our wheels are laced, tensioned and finished by hand to exacting standards using high quality DT Swiss spokes and nipples, and are offered with a variety of high quality, purpose-chosen hubs in various O.L.D. spacings and frame-matching offsets. This means we have a lot of wheels for you to choose from, far too many to list here. Contact us to find out what all your options are and how to get your hands on them. Our email address or phone number is around here somewhere.



TOOBS

We make tubes to fit 26 x 3.7-4.8" tires in 1.2mm and lighter weight 0.8mm thicknesses. We also make tubes to fit 29 x 2.5-3.0" tires. All are made of butyl rubber, all have presta valves, and all will easily float a small dog.



RIM STRIPS

We also produce PVC rimstrips for our Marge Lite, Rolling Darryl, Clown Shoe and Rabbit Hole rims. Choose from red, white, blue, orange and good old black. All are sold singly.



Width	Fits
42mm	50mm rims
46mm	65mm rims
64mm	82mm rims
75mm	100mm rims

CRANKS

O.D. CRANK

The O.D. or Offset Double crankset supplies clearance for the chain on fat bikes and other bikes running exceptionally wide tires, such as our Krampus. It is also designed to minimize Q-factor (pedal stance). The O.D. Crank doesn't just add a longer spindle to move the rings outboard. Rather, it does away with the big ring of a standard triple and moves the middle and granny rings to the outer and middle positions. This effectively moves the rings outboard without moving the arms outboard too. Neato!

Forged of 7000 series T6 aluminum, the O.D. Crank is a 2-piece, with spindle embedded inextricably in the drive side arm. It's a dedicated 2x, and is 9- and 10-speed compatible.

O.D. Cranks are offered in 170, 175, and 180mm lengths for 73 and 100mm bottom bracket shells. In fact, we have two versions for 100mm shells: one for frames with 17.5mm offset like our Pugsley and one for Moonlanders, which have more frame offset (28.5mm) to accommodate even wider rims and tires.

O.D. Cranks for 73mm shells have 26 and 39 tooth rings, while the 100mm-shell version comes with 22 and 36t rings. We also sell ring sets separately. The bearing set that comes with these cranks is a high quality Enduro brand, with double labyrinth seals and an internal bearing/spindle sleeve to shed and protect from dust, muck and grime even in wet and muddy climates. All O.D. Cranks are available only in black.



MR. WHIRLY

Mr. Whirly is an incredibly versatile crank. The spiders can be swapped out so you can run a variety of common chainring sizes in singlespeed, double or triple configurations. You can also install our specially designed MWOD chainrings, making it an offset double like our O.D. Crank, supplying tire/chain clearance on bikes with very wide rims and tires such as fat bikes and others like our Krampus and Instigator 2.0. You can swap out the spindle too, so it will work with 68, 73, and 100mm bottom brackets found on many, many kinds of bikes. You may never need the versatility it offers but if you're like us the possibility of swapping it between very different kinds of bikes and configuring it the way that best suits you is a pretty handy option.

You can buy the component parts and build one to suit your needs. Armsets are available in 165, 170, 175, 180, and 185mm lengths, in silver and also black. Spiders come in 3 standard bolt circle diameters, 94, 104 and 110mm, and we offer 4 spindle lengths. We also offer complete cranks in singlespeed and triple ring configurations. Standard triples are available for 68/73mm and 100mm BB shells in 170 and 175mm lengths, and singlespeed versions in 175 and 180mm. All are black. The bearings are very nice, well sealed, durable Enduro brand, designed to survive harsh conditions.

Mr. Whirly is adaptable to change as you switch bikes, switch styles, or just want to tinker. Replace bits if they break instead of replacing the whole crankset. Mountain bike with it. Tour with it. Commute with it. Mr. Whirly is ready to ride.



CHAINRINGS

STAINLESS STEEL

Most chainrings on the market are made from aluminum. Although it's light and stiff, aluminum wears out fairly quickly in the high-friction world of a chain-driven bicycle drivetrain. Our chainrings are made from 304-grade stainless steel. They're ideal for singlespeed, fixed-gear, or tandem timing chain applications in part because stainless doesn't wear as fast as aluminum (and of course it doesn't rust either). This is of some importance on a singlespeed system, where the chain wear isn't shared by other chainrings. Long-wearing parts mean more time on your bike and more money in your pocket. Our stainless chainrings are not ramped or pinned.

Color: Natural Silver

Compatibility: Designed to work with 3/32" (derailleur type) chains. Please note that many 10-speed and some 9-speed chains may fit tightly at first

Sizes: 94mm BCD x 30, 31, 32, 33, 34, 35 & 36t

104mm BCD x 32, 33, 34, 35 & 36t

110mm BCD x 34, 35, 36, 38, 39, 40, 42, 44, 46, 47, 48, 49 & 50t

130mm BCD x 38, 39, 40, 42, 44, 46, 47, 48, 49 & 50t



MWOD

MWOD chainrings convert your Mr. Whirly crankset into an offset mountain double crank, allowing you to run extra wide rear tire and rim combinations (4.7" tires on 100mm rims, for example, or 82mm rims on your Pugsley) while avoiding chain-on-tire rub. MWOD rings move the granny and middle rings to the middle and outer positions of the crank, effectively increasing tire clearance at the chain without increasing your Q-factor and without losing your crawling gears. MWOD granny rings are stainless steel, the bigger rings are aluminum. The small ring bolts to the big ring, and the combo then bolts directly to the 58mm BCD mounting holes on Mr. Whirly cranks. They're available singly or in sets. We also make a bashguard to work with MWOD systems.

Color: Natural Silver and Black

Stainless steel single rings: (58mm BCD): 20, 21, 22, 24, 26t

Aluminum outer: (MWOD specific): 33, 36t

MWOD ringsets: 20/33t, 22/36t



O.D.

Our O.D. chain rings we developed for our O.D. Crankset. They are standard 58mm and 94mm BCD rings, the small ones in stainless steel, the bigger ones in aluminum. They are designed to work in specific combinations (see below). We sell them individually, not as sets. The number in parenthesis after each ring size is its ideal mate.

Color: Natural Silver and Black

Sizes: 58mm BCD: (stainless steel): 26t (39), 22t (36) and 20t (33)
(shown above)

94mm BCD: (hard anodized aluminum): 33t (20), 36t (22), 39t (26)



ULTRA NEW HUBS

Ultra New Hubs look much like their predecessors. In fact, the hub shells have not changed at all. They remain 6061-T6 forged and machined aluminum alloy with medium-height flanges. What's Ultra New about these hubs are their guts.

Ultra New Hubs use hollow 4130 CroMoly axles of our own design mated to thread-in wheel fixing bolts, as opposed to the nutted axles of our previous hubs. Hollow axles make conversion to quick release super easy (remove bolts, insert QR skewer, install wheel into frame or fork, ride). All Ultra New Hubs come with fixing bolts, but all are QR compatible without axle conversion or any other extra crap. Neato. The axles are made of CroMoly steel, while the fixing bolts are 304 grade 10.9 stainless steel (i.e. high grade) for corrosion resistance, high strength, and good looks, and the bolts tighten and loosen with a 6mm hex wrench to 10–13 lb/ft or 13–18 Nm torque rating.

Bolt caps and 'cone' nuts are also stainless steel, and are heavily knurled for good bite, reducing the chance for your wheel to slip in the frame under high load. The cones and dust caps interlock to maintain axle stiffness. Ultra New Hubs spin on non-adjustable 6901 model bearings. Throw your wheel on the bike, tighten the bolts and ride.

One other thing you might like to know: All the Ultra New hardware will retrofit to "New Hubs." That is, we sell kits to completely transform your old New Hubs into Ultra New Hubs, complete with new axle, bolts, bearings, and the rest of the Ultra New hardware. Find the right kit for your New Hub, install, and go.



REAR NON-DISC, 130MM ROAD SPACING

Black	32h	Fix/Free
Silver	32h	Fix/Free

REAR DISC, 135MM (MTB SPACING)

Silver	32h	Freewheel
Black	32h	Freewheel
Silver	32h	Fixed
Black	32h	Fixed
Silver	36h	Freewheel
Black	36h	Freewheel

REAR NON-DISC, 120MM (TRACK SPACING)

Silver	32h	Fix/Fix
Black	32h	Fix/Fix
Silver	32h	Fix/Free
Black	32h	Fix/Free
Silver	36h	Fix/Fix
Black	48h	Fix/Fix
Black	48h	Free/Free

FRONT DISC & NON-DISC

Silver	32h	100mm O.L.D.
Black	32h	100mm O.L.D.
Silver	36h	100mm O.L.D.
Black	36h	100mm O.L.D.
Black**	48h	100mm O.L.D.
Silver*	32h	135mm O.L.D.
Black*	32h	135mm O.L.D.

*No cog or freewheel threading
**Non-disc only

REAR NON-DISC, 135MM (MTB SPACING)

Silver	32h	Free/Free
Black	32h	Free/Free
Silver	32h	Fix/Free
Black	32h	Fix/Free
Silver	36h	Free/Free
Black	36h	Free/Free
Black	48h	Free/Free
Black	48h	Fix/Fix

HEY! Fixed cogs and English threaded SS freewheels use the same size threads. Fixed-gear hubs have a second set of smaller diameter, reverse-direction threads outboard of the cog threads. Surly does not endorse the use of fixed-gear cogs of any kind without the use of a properly installed lockring. We know some jerk on MTBR.com said he did it and ain't been hurt yet, but lockrings are important. You have been warned. If you hurt yourself because you didn't use one, you deserve what you get.

Freewheel Threading:
English 1.37" x 24tpi

Fixed Cog Threading:
English 1.37" x 24tpi

Lockring Threading:
1.29" x 24tpi LH

COGS & LOCKRINGS

CASSETTE COGS

Our cassette-type cogs are designed to fit on standard 7–10 speed Shimano-compatible freehub bodies. These cogs have a tall tooth profile that is essential for preventing chain skip from the extra torque a singlespeed drivetrain encounters. In addition to being a stellar SS cog, the cog base width (where it contacts the freehub body) is 4.35mm, so you can stack a few of them up and use a 9-speed shifter for a simplified multi-speed drivetrain. This width also prevents it from ruining the freehub body as a result of digging grooves into it like skinny stamped cogs have a tendency to do. Surly cogs are machined from SCM415 CroMoly steel, then heat-treated for toughness and chrome-plated for surface hardening and enhanced chain lubricity. Our cogs will work with 6- to 9-speed 3/32" chains, although we recommend the inherently updated quality of an 8- or 9-speed chain. They are available in every increment from 13–22t, so you can select that perfect gear.



TRACK COGS

Our track cogs are designed to spin onto standard ISO-threaded (1.37" x 24tpi) hubs, so they will work with most English, Italian and Japanese hubs, including the Surly Ultra New Track Hubs. The thread base is 7.4mm wide for maximum thread engagement while maintaining enough room for a track lockring to thread on. Like our cassette-splined cogs, these are made from machined, heat-treated and chrome-plated SCM415 CroMoly steel, so they are tough and long lasting. Track cogs are available in either 3/32 or 1/8" tooth thicknesses and in every size from 13–22t.



TRACK LOCKRINGS

CNC-machined from premium stainless steel...no flaking chrome or rusting. We've improved the design to increase thread contact. It's now a full 5mm thick, plus a lip (0.65mm extra) to maximize thread contact on all compatible hubs. Fits English lockring threads to work on almost all track hubs available today except Campagnolo (1.32" x 24t LH) and French (33 x 1mm LH).



DINGLE COGS

Dingle Cogs are part of a different concept for fixed-gear drivetrains. Having two cogs on the back means you have more options for gear changes when the conditions demand it. For instance, say you want to ride your off-road fixie from your house to the trailhead, but your gear combo is either too high for the dirt or too low for the road. With a 17/19t Dingle on the back, pick two chainrings that are two teeth apart, like a 44t and a 42t. When you change from the outer (44:17t) gear combo to the inner (42:19t), you'll have a much better off-road gear and your wheel position will not change. This maintains effective chainstay length so you won't have to worry about having too much or too little dropout length to accommodate the gear change. The Dingle (the word is a combo of 'dual' and 'single') works great in hilly terrain both on or off-road. Like our cassette and track cogs, these are made from machined, heat-treated and chrome-plated SCM415 CroMoly steel, so they are tough and long lasting.

Dingle cogs thread onto any standard ISO threaded (1.375" x 24tpi) fixed-gear hub, and like all fixed-gear cogs require the use of a lockring. In order to keep them narrow enough to work with standard fixed-gear thread width, Dingle cogs are compatible with 9-speed chains only.

Available sizes:

17/19t, 17/20t, 17/21t



TOURING FORKS

ECR FORK

The ECR fork is much like our Ogre fork. Both are CroMoly 29er forks. Both work with frames designed for 80mm-travel suspension forks. Both feature 51mm I.S. disc caliper mounts, brake line guides, accommodations for a rack and fender, and 2 sets of cage mounts (one on each leg) that let you mount large size or standard water bottle cages. Both are designed to run just about any combination of parts and accessories you'd want on a fork and are finished in durable black powdercoat. The only real differences are 1) ECR is disc brake only, and 2) ECR's offset is 47mm, 5mm more than Ogre's.

Axle-to-crown: 468mm
Offset: 47mm
Steerer: 260mm, 1-1/8" straight

Tire Clearance: 29 x 3.0"
Weight: 3.1 lb (1.4kg) uncut



OGRE FORK

The Ogre fork replaces 80mm suspension forks designed for use on 29" wheeled bikes. Made of 4130 CroMoly, it's got 51mm IS disc mounts, removable canti pivots, brake-line guides, low-blade threaded barrel bosses and mid-blade eyelets for a rack. This fork is designed to run disc brakes, fenders and a rack simultaneously. Two sets of water bottle cage mounts, one on each leg. Each cage may be run in a higher or lower position. Steertube is 1-1/8" threadless steerer. Black powdercoat finish.

Axle-to-crown: 468mm
Offset: 43mm
Steerer: 260mm

Tire Clearance: 29 x 3.0"
Weight: 3.1 lb (1.4kg) uncut



TROLL FORK

The Troll fork is just like the one that comes with our new Troll frame, a 26" wheeled fully geared utility bruiser and cruiser. The Troll fork replaces 100mm travel suspension forks. Like all our forks, it's constructed of CroMoly steel. It sports removable rim brake pivots as well as a 51mm disc caliper mount. Unlike our other forks it's designed to accept a rack while using a disc brake, via through-blade threaded mounts in two places on each fork blade, and it's even got fender eyelets. Check before you order. Steerer is 1-1/8" threadless. Finish is black powdercoat.

Axle-to-crown: 453mm
Offset: 40mm
Steerer: 260mm

Tire Clearance: 26 x 3.0"
Weight: 3.1 lb (1.4kg) uncut



LHT FORK

The Long Haul Trucker fork is designed to mount racks and fenders and to haul stuff. Offered in 26" and 700c wheel sizes, the fork's new crown provides ample clearance for 26 x 2.1" or 700c x 50mm tires, and sports threaded eyelets in four locations (dual dropout, mid-blade and fork crown) to provide more options for mounting stuff, from racks to whatever. Options galore. Now available in rim brake or disc versions, in both 26" and 700c wheel sizes. The disc fork has a mounting plate for standard 51mm calipers. Curved blades, CroMoly steel. 1-1/8" threadless steer tube, black powdercoat finish.

Options: Disc (26" and 700c) or Rim Brake (26" and 700c)
Axle-to-crown: 26" = 376mm; 700c = 390mm
Offset: 45mm
Steerer: 26" (42-54cm frames) = 300mm
26" (56-62cm frames) = 400mm
700c (56-64cm frames) = 350mm

Tire Clearance: 26 x 2.1" or 700c x 45mm
Weight: 26" = 2.1 lb (0.97kg) (rim brake version) uncut
700c = 2.3 lb (1.0kg) (rim brake version) uncut

Hub Standard Measurement

Front 100 Front Spacing 10.8mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm
NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks.
Check with the fork's manufacturer for compatibility



TRAIL FORKS

KRAMPUS FORK

Designed with our Krampus frame, this fork has clearance for a 3" tire on a 50mm rim. To accommodate such big tires it has a longer axle-to-crown measurement than our Ogre or Karate Monkey forks. It is a perfect rigid fork option for lots of 100mm suspension corrected 29ers out there. The Krampus fork's blades were designed and manufactured specifically to play well with the unique forces such a long fork with big tires will encounter, and the steer tube is standard 1-1/8" threadless. It has line guides for disc brake hose, but no rim brake pivots and no bottle cage eyelets.

Axle-to-crown: 483mm
Offset: 47mm
Steerer: 260mm

Tire Clearance: 29 x 3.0"
Weight: 2.5 lb (1.14kg) uncut



KARATE MONKEY FORK

A responsive CroMoly steel 29er fork. Accepts tires up to 2.5" and replaces 80mm suspension forks. Features tapered butted straight blades, brake line guides, fender mounting eyelets and a 51mm I.S. disc caliper mount. The steer tube is 1-1/8" straight. Black powdercoat finish.

Axle-to-crown: 468mm
Offset: 43mm
Steerer: 260mm

Tire Clearance: 29 x 3.0"
Weight: 2.6 lb (1.2kg) uncut



1X1 FORK

We now have three 1X1 forks available. First, the original: 63mm suspension "corrected," rim brake pivots, fender eyelets and nothing else. Next, the same thing (with rim brake pivots) with a 51mm disc mount and line guides. The third version has the rim brake mounts, the disc caliper mount, and the line guides but it is corrected for frames designed for 100mm suspension forks. All are triple butted and take real big tires...you can stuff 2.7" tires between the blades and have room to spare. All are made from 4130 CroMoly tubing, all have 1-1/8" threadless steerers and all are powdercoated black.

ALL 1X1 FORKS

Steerer: 260mm
Tire Clearance: 26 x 3.0"

80mm

Axle-to-crown: 413mm
Offset: 45mm
Weight, canti: 2.24 lb (1.01kg) uncut
Weight, disc: 2.34 lb (1.06kg) uncut

100mm

Axle-to-crown: 453mm
Offset: 40mm
Weight: 2.8 lb (1.3kg) uncut



80mm
disc/canti shown

INSTIGATOR 1.0 FORK

The Instigator rigid fork replaces 100mm travel suspension forks. It is constructed of thick-walled, single-butted 4130 CroMoly, so it will hold up under pressure. It features a 51mm IS disc mount, removable canti pivots, 1-1/8" threadless steerer and a black powdercoat finish. If you want to run fatties in this fork, go ahead. You can easily wedge a 2.7" tire between those straight, tapered (31.8-28.6mm) blades. Tandem and dirt jump rated. How many other forks can say that? One or the other, of course. Not meant for dirt jumping on tandems.

Axle-to-crown: 447mm
Offset: 43mm
Steerer: 260mm

Tire Clearance: 26 x 3.0"
Weight: 3.1 lb
(1.4kg) uncut



Hub Standard Measurement

Front 100 Front Spacing 40.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

PAVEMENT FORKS

STRAGGLER FORK

Our Straggler fork is very much like our Cross-Check fork...it's a lugged and brazed CroMoly fork with room for 700c tires up to 50mm wide. Both feature fender and rack mount eyelets at the dropouts, mid-blade threaded rack mounts and threaded eyelets on the sides of the crown for accessories. Both deliver a resilient ride and are finished in black powdercoat. The Straggler fork is equipped with a 51mm I.S. disc caliper mount and no accommodation for rim brakes.

Axle-to-crown: 400mm
Offset: 44mm
Steerer: 350mm, 1-1/8" straight

Tire Clearance: 700c x 45mm
Weight: 2.5 lb (1.15kg) uncut



PACER FORK

This is the same lugged and brazed fork that we provide with our Pacer road frameset, now with a new crown and dropouts of our own design. It will allow you to run 32mm tires with fenders or 35mm tires without. Uses standard-reach (47-57mm) calipers. This fork comes with single-eyelet dropouts, 1-1/8" threadless steerer and a black powdercoat finish.

Axle-to-crown: 371mm
Offset: 45/50mm
Steerer: 300mm

Tire Clearance: 700c x 35mm
(w/o fenders)
Weight: 2.2 lb (1.0kg) uncut



CROSS-CHECK FORK

Our lugged and brazed Cross-Check fork has room for 700c x 45mm tires and fenders. It's made from 4130 CroMoly steel and features fender eyelets at the dropouts, cantilever brake pivots, and now has through-leg mid-blade eyelets for mounting a rack. The eyelets are threaded 5 x 1mm and located 165mm up from the axle. We offer it in 1" and 1-1/8" threadless steertube versions. Finish is black powdercoat.

Axle-to-crown: 400mm
Offset: 44mm
Steerer: 300mm

Tire Clearance: 700c x 45mm
Weight: 1" = 2.1 lb
(0.97kg) uncut
1-1/8" = 2.3 lb (1.0kg) uncut



STEAMROLLER FORK

Our Steamroller fork, designed around our fixed-gear frame, is brazed with a flat crown that is drilled to accept a standard-reach (47-57mm) caliper brake. It has clearance for 700c x 38mm tires. There are no eyelets at the dropouts. Available with 1- or 1-1/8" threadless steerer.

Axle-to-crown: 1" = 368mm
1-1/8" = 375mm
Offset: 38mm
Steerer: 300mm

Tire Clearance: 700c x 38mm
Weight: 1" = 1.9 lb (0.9kg) uncut
1-1/8" = 2.2 lb (1.0kg) uncut



Hub Standard Measurement

Front 100 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm
NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks.
Check with the fork's manufacturer for compatibility

OMNI & HAULIN' FORKS

MOONLANDER FORK NON-OFFSET

Of all the forks we offer, this is one of the two with the greatest clearance. It will take 4.8" tires on 100mm rims. Ay caramba! This version is on-center, meaning it requires a centered, undished wheel with a hub spaced 135mm. The disc brake caliper mount is 51mm I.S. and it works with a standard front caliper adapter. This fork features threaded fender mounts at the dropouts, barrel mounts near the crown and dropouts for mounting racks or accessories, brake housing guides and triple cage mounts on each leg for standard bottle cages run high or low or oversize Anything cages. Like all our forks and frames, it is made of butted cromoly steel. The finish is durable powdercoat. Black, Jack.

Axle-To-Crown: 447mm
Offset: 43mm
Steerer: 260mm 1-1/8" straight

Tire Clearance: 26 x 4.8"
(on rims up to 100mm wide)



MOONLANDER FORK OFFSET

Fits 4.8" tires on 100mm rims in this fork with room leftover. It has all the same features as the on-center version, including fender, rack and bottle cage mounts, but requires a wheel built offset to match the Moonlander frame. Since the hub spacing is 135mm (mountain rear), this is a useful feature, especially in remote places and extreme temperatures or conditions. Should your freehub seize due to cold, invasive grit or other reasons, you can swap wheels and keep moving. Internally butted tapered straight legs. Cromoly steel with a black powdercoat finish.

Axle-To-Crown: 447mm
Offset: 43mm
Steerer: 260mm 1-1/8" straight

Tire Clearance: 26 x 4.8"
(on rims up to 100mm wide)



PUGSLEY FORK OFFSET

This fork will accept 26" tires up to 3.8" with plenty of clearance, even using rims as wide as 82mm. It requires a wheel built offset to match the Pugsely frame (17.5mm). Since the hub spacing is 135mm (mountain rear) this is a useful feature, especially in remote places and extreme temperatures or conditions. Should your freehub seize due to cold, invasive grit or other reasons, you can swap wheels and keep moving. Internally butted tapered straight legs. 51mm I.S. disc brake caliper mount uses standard front adapter. Chrome, Molly. Available in Canvas Green, Real Blew, and Blaque, Jacques.

Axle-To-Crown: 447mm
Offset: 43mm
Steerer: 260mm 1-1/8" straight

Tire Clearance: 26 x 3.8"
(on rims up to 82mm wide)



BIG DUMMY FORK

We designed the Big Dummy fork to handle the rigors of hauling you and your precious cargo. Its tapered 4130 CroMoly straight blades provide the durability needed for a cargo bike without delivering a jackhammer ride. The Big Dummy fork features 51mm IS disc mounts, removable canti pivots, 1-1/8" threadless steerer, disc brake line/housing guides, single dropout eyelets, and a black powdercoat finish.

Axle-to-crown: 425mm
Offset: 43mm
Steerer: 260mm

Tire Clearance: 26 x 2.5"
Weight: 2.9 lb (1.3g) uncut



Hub Standard Measurement

Front 100 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm
NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks.
Check with the fork's manufacturer for compatibility

RACKS N' STUFF

Surly Racks are well-thought-out, durable, expedition-worthy racks that work with most panniers. While our racks aren't limited solely to heavy duty touring, that is what they were designed for.

Repairability should be a consideration for any product that will be used in every extreme, which is why the main body of our Racks is made of tubular CroMoly steel. In the rare instance that the Rack breaks, you should be able to find, even in the most remote regions of planet Earth, somebody to TIG, MIG, stick-weld, braze or solder a Surly Rack back together. An aluminum rack won't afford you the same luxury. The Racks' hardware is stainless steel.

Our height-adjustable front Rack is a lowrider/highrider design. Panniers mounted in the lowrider position provide a more stable ride, but can be a burden when riding rocky or rutted roads and trails. The upper rails provide an alternate pannier mounting position for these types of conditions. The platform above the wheel provides extra space to lash on more stuff. The front Rack mounts directly to forks equipped with a mid-blade eyelet, located approximately 165mm from the dropout eyelet. This is a standard eyelet location found on many touring-specific forks, including our Long Haul Trucker fork. We also provide hardware to securely mount a Surly Rack on forks that do not have a mid-blade eyelet...which means you can mount it on almost any rigid fork, providing there is nothing in the way.

The rear Rack is also height-adjustable, enabling it to fit a wide variety of wheel sizes while allowing you to move its center of gravity as low as possible for a more stable ride. Its wide platform has plenty of room for rack trunks, sleeping bags, tents, boxes of lima beans, or small cages full of hamsters. The stainless steel hardware we provide will enable you to fit them to most rigid 26" and 700c frames, and to forks equipped with drum, caliper or cantilever brakes. Disc brakes and suspension are generally not compatible with our rear Racks, though there is an increasing number of frames designed to allow the use of racks and disc brakes, such as our Troll.



Front Rack



Rear Rack

RACK PARTS

We now offer small parts kits for your Surly Rack. In the past if you lost or damaged one of the bits of hardware for your Surly Rack you would have to either buy a whole new hardware kit or hope that your story caught one of us on a good day and we'd send you out the small part for free. That was expensive and inconvenient for everyone involved. We still offer complete hardware kits, but now offer smaller kits too so you can order the parts you need at a significant discount from the big kits.

AVAILABLE KITS INCLUDE:

Front:

Complete Hardware kit
(front or rear)
Mid-blade adapter kit
Flat sliding plate kit
Offset sliding plate kit

Rear:

Rear tube block kit
Standard length upper tube kit
Extra long upper tube kit
(240mm)
Lower tube kit
All lower hardware and tube kit
All upper hardware and tube kit

SMALL PARTS

CONSTRICTOR SEATPOST CLAMP

The Constrictor was designed specifically to end slipping seatposts. The extra-thick clamp utilizes an 8mm stainless bolt and accommodates a rear cantilever brake hanger, if you decide to go that route. The Constrictor is machined out of aluminum billet and black anodized. It's available in 30.0 and 31.8mm sizes.



STAINLESS STEEL SEATPOST CLAMP

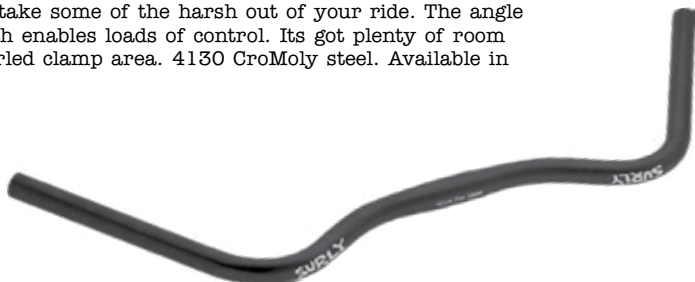
Rated fully KICKASS by the U. S. Department of Wicked Shit, our cast and polished stainless steel clamps won't rust or chip paint because they can't (even the black ones!). They're shiny! They look good! And most importantly, they deliver the clampability seatposts crave. 30.0 and 31.8mm sizes. Available in silver or black.



THE OPEN BAR

The Open Bar is an upright bar but not an uptight bar. It's equally suited to cruising, commuting, and even some singletrack, though it should be noted that this is not by any means a DH bar. We left it a bit flexy to take some of the harsh out of your ride. The angle makes it comfy for your wrists. The width enables loads of control. Its got plenty of room for grips, shifters and brake levers. Knurled clamp area. 4130 CroMoly steel. Available in low rise and no rise versions.

Color:	E.D. coated, Black
Clamp:	25.4mm
Width:	666mm
Angle:	53°
Rise:	0 or 40mm



STAINLESS STEEL CABLE HANGER

We couldn't find a cable hanger we liked which also fit our Constrictor seatpost clamp's oversized bolt. So we made one. It's long enough to eliminate kinked rear brake cables, large enough to fit over thick post clamp bolts, versatile enough to work with most tall post clamps, and its even got an adjusting barrel.



SINGLESPEED STUFF

TUGGNUT CHAIN TENSIONER

The Tuggnut installs on the drive side of your rear dropout between the frame and nut, bolt or QR to keep the wheel from slipping forward in the dropout when you mash the pedals. This can be a problem particularly on singlespeeds, and especially when using QRs. It is made of stainless steel so it will not corrode and features two axle holes it will work over a broad range of gear combos and for/aft fore/aft wheel positions. It will work with most hubs that have standard QR or nudded axles up to 10mm on most rear-loading dropouts. We sell it as a single, because you really only need one..it won't do anything on the non-drive side except open bottles. Oh, did we mention that? It opens bottles. Cheers!



HURDY GURDY CHAIN TENSIONER

Hurdy Gurdy is another nifty device that keeps a rear wheel from slipping forward in the dropout under pedal load. It's designed for our Cross-Check's semi-horizontal front-loading dropouts, and will also work on many other similar dropouts. Hurdy Gurdy is investment cast of stainless steel for durability and good looks, and shares many of Tuggnut's design features. Its two axle holes allow for a wide variety of fore/aft wheel positions, it will work with standard QRs, bolted axles, and nudded axles up to 10mm.



IXI SINGLEATOR

The Singleator is a device for taking up extra chain slack in singlespeed drivetrains. It threads directly into the derailleur hanger of frames with vertical dropouts. We've put a lot of thought into making it work with as many frame styles and gear combos as possible. It features a forged aluminum body, stainless steel shaft, chain guides, and 11t floating pulley. The chainline and spring tension are adjustable and it works with 1/8" and 3/32" chains. There are other means of taking up chain slack, but the Singleator is a tried-and-true, simple, effective and inexpensive way to convert your bike to a singlespeed. It's available in black or silver.



SINGLESPEED SPACER KIT

Got a rear wheel from a geared bike collecting dust in your garage? Our singlespeed spacer kit allows you to use a single cog on the freehub body of your multi-speed Shimano cassette-compatible hub. The kit is a collection of anodized aluminum spacers of different widths and a stainless steel lockring, all designed to fit perfectly on hubs compatible with Shimano cassettes. With this kit you simply add a single cog and by arranging the spacers you can achieve perfect chainline regardless of the crank or frame you're using. This isn't just a mix of off-the-shelf parts. We went the extra distance to give you a kit that will provide maximum functionality, durability and aesthetic value.



JETHRO TULE

The Jethro Tule is a handy box wrench for 15mm nudded axles. It's made of thick-as-a-brick cast stainless steel and is double sided and angled to work with flanged dropouts. The handle is spoon shaped to provide a wide, comfy surface when reefing a tight nut and it has a bottle opener built in. It looks good and it works good. 'Nuff said.



WEARABLES

OF THE

EVENTS

Clothes, Softgoods, Etcetera, T-shirts and hats, sock and jackets, pants, stickers, flasks and bottle openers, this is where you'll find it. This is the one section of our deal we reserve for shameless self-promotion, and even then it's all done with forethought and deliberation. The materials are chosen, the fit discussed, the usefulness of each idea pondered so that down to the last you will be glad you paid your hard earned coin for it.

WEARABLES

WOOL FULL ZIP HOODIE

There's nothing like a good hoodie. Soft, warm, and comfy, hoodies are the comfort food of clothing. We thought we could make some improvements to the standard options out there, the first one being that ours is made of our own proprietary weave of 100% Merino wool. Wool insulates well, both warm and cold, and it's durable. Wool resists stink build-up, which also means you won't have to wash it as often as regular cotton sweatshirts (when you do wash it, hand wash it in cold water and lay flat to air dry. This will increase its lifespan and reduce any chance of it shrinking). Plus, Merino wool is nice and soft against even sensitive skin. Other companies have done wool hoodies but most of those are fitted like technical athletic clothing. Ours fit like a regular cotton sweatshirt. It's loose enough to fit over other clothes. You can wear it everywhere and not look like a total dork. Add a shell and cut cold winds. Ours feature high quality dual-pull zipper and deep front pockets. The sleeve cuffs keep cold air out, and the hood is big enough to fit over most helmets. We've put a lot of work into bringing you a high quality piece of clothing that will function well on and off the bike, and that with proper care will last a long time. If you like hoodies, this is the shit. Choose from black or gray, in unisex S-XXL.



JERSEY

We don't use a lot of superlatives around here. We tend toward pragmatism more than flash. So when we say something is new and improved, we really mean it. And our jerseys are truly new and improved.

For years we offered wool jerseys and they were pretty o.k. There weren't many other companies doing wool jerseys anymore when we started, and frankly we didn't know a lot about what we were doing, we just wanted merino wool jerseys for all the reasons wool makes sense for activewear...it insulates to help regulate your temperature, hot or cold; it doesn't build up stink the way synthetics do, and Merino is a nice soft wool that feels good against your skin and drapes well so it looks reasonably good on all body types.

Now we've got these jerseys and they are leaps and bounds better than our previous jerseys. Custom made to our specifications, they are available in men's and women's cuts, in long and short sleeve. Both feature a reasonably tall collar, quality zippers, and zipper-protected kangaroo rear pocket accessible from either side.

The long sleeve version's got a full length zipper and thumb holes at the cuffs to help keep the sleeves in place for the monkey-armed among us. Choose from black or gray, in sizes XS-XL.

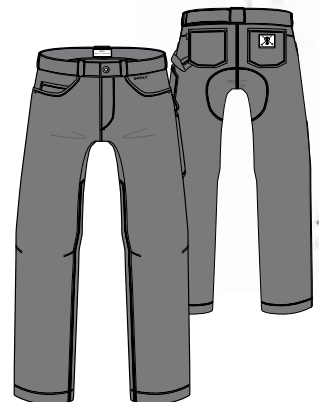


PANTS

People who ride a lot sometimes like pants. Our WorkRide pants are made of medium-weight all cotton duck cloth. They're durable, roomy and comfy. We've done a few things to make them riding pants instead of just pants you can ride in. First, we altered the seam structure in the crotch, moving pressure points away from where you sit. We also added an extra layer 'down there' to mitigate any pressure effects of the seams that remain. The knees are articulated for easy bending, and the right leg employs a nifty snap to keep them out of your chainring. There is even a snap-loop U-lock keeper on the left rear pocket. Ride to wherever, do what you gotta do (work, chop wood, whatever), then ride home again.

Colors: Black or brown

Sizes: 30 x 32", 32 x 34", 34-40 x 36"



T-SHIRTS

Oh yeah, we've got T-shirts. T-shirts let others know that you like to wear clothes, that you support various ideas or entities, or at least that you choose to comment on life's vast cornucopia of experience and grandeur, although there is an off-chance that for one reason or another you just don't care what you wear. Well you're all welcome here, you sons and daughters of life's bounty, you grains of sand on the shores of the cosmic yelp. We've got you covered. We offer an array of designs, some that stay and some that come and go, never to return. We've got lady's specific versions, men's cuts, long sleeves, short sleeves, the whole enchilada. What a world. If you like the idea of shelling out your hard earned money to help us spread the word.

Check out surlybikes.com to see the latest shirts.

LOGO TEE

It's not just a company logo, it's a whole personality type. Shirts are black. Short or long sleeve. Just the logo on the front.

Sizes: S-XXL



KARATE MONKEY TEE

Black. Short and long sleeve. Small logo on the left boob. The Karate Monkey his-self on the back.

Sizes: M-XXL



HATS

CYCLING CAP

Our caps are made in the U.S. by Walz Caps of 100% wool fabric because wool works well for moisture, temperature and odor control. They come in two sizes to fit a wide range of melons.

Color: Black

Sizes: S/M or L/XL



TRUCKER HAT

Technically it's a Trucker Hat, in that its got a mesh back and plastic size adjustment band. But it fits more like a ball cap. Passive-aggressive logo patch suitable for artsy fartsy statement on its own, or write in your own message.

Color: Black w/orange patch and other colors seasonally

Sizes: One size fits many. Won't fit watermelon heads



STOCKING CAP

Heavy weight synthetic stocking cap with 3M Thinsulate. This thing is warm because we're from Minnesota, where it gets cold in winter. Wear it tall, jimmy-hat style, or low, thug on the docks style. Black with orange "Environmental Unconsciousness" patch.



SOX

As you must know by now, wool resists odor. We have found that is a good feature in a sock. They also wick and insulate better than cotton or all synthetic, so you can wear them comfortably in a pretty wide range of climates. Surly socks are made by DeFeet. They are Merino wool, with a small percentage of synthetic for increased durability. We offer many designs in a 5" height and a few knee-high models, check the website for availability, cuz we like to mix things up and keep you on your toes. The tall socks are thicker than the others and play well with knickers (as we call them here in the U.S. yes, we know it means ladies' underwear in the UK). Each design comes in four sizes so pretty much everyone should find one that fits.



TALL



1ST AVE



DUB-L STRIPE



LOGO



BLOCKHEAD

Size	Euro	US Men's	US Women's
S	36-39.5	—	6-8
M	40-42.5	7-9	8.5-10.5
L	43-45.5	9.5-11.5	11-13
XL	46+	12+	—

JUNK RAG

Put your junk in a rag. Blow your nose. Tourniquet gushing wounds. Wash your face. Look all Ralph Macchio-doing-aerobics. Others call them hankerchiefs or doo rags. Ours are all cotton.



PATCHES

It's a little cloth patch that you can patch stuff with, or sew on a hat, if you are so inclined. For bed or for the ride, it's the perfect accessory for the fashion conscious. New patches come and go, check surlybikes.com/gear/patches for up to date, real time patch information.



SURLY

Color: Black & white

Sizes: 4, 6 & 10"



MOUNTAIN FINGER

Color: Gray and Black



RACING SUCKS

Color: Gold and Black

G E O M E T R Y

C H A R T S

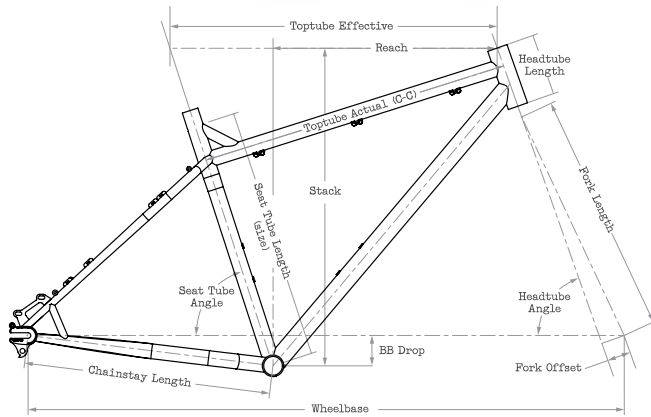
T E C H N I C A L

I N F O

S E L B A H

A L E W O E

ECR FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle* degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
xSmall	14.0	356.5	21.3	542.0	22.0	560.0	69.5	72.5	3.1	80.0	17.8	451.0
Small	16.0	406.4	21.6	547.4	22.6	575.0	69.5	72.5	3.1	80.0	17.8	451.0
Medium	18.0	457.2	22.2	562.8	23.4	595.0	69.5	72.5	3.1	80.0	17.8	451.0
Large	20.0	508.0	22.9	582.4	24.2	615.0	69.5	72.5	3.1	80.0	17.8	451.0
xLarge	22.0	558.8	23.5	597.2	24.8	630.0	69.5	72.5	3.1	80.0	17.8	451.0
xxLarge	24.0	609.6	24.3	618.3	25.4	645.0	69.5	72.5	3.1	80.0	17.8	451.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
xSmall	42.1	1069.5	28.3	717.6	3.3	85.0	18.4	468.0	1.9	47.0	23.3	591.5	15.1	384.2
Small	42.7	1085.5	29.7	753.4	3.5	90.0	18.4	468.0	1.9	47.0	23.5	596.2	15.7	398.5
Medium	43.6	1106.6	31.1	789.0	3.9	100.0	18.4	468.0	1.9	47.0	23.8	605.5	16.4	416.1
Large	44.4	1127.8	32.4	822.7	4.3	110.0	18.4	468.0	1.9	47.0	24.2	614.9	17.1	433.8
xLarge	44.7	1136.0	33.7	855.7	4.9	125.0	18.4	468.0	1.9	47.0	24.8	628.9	17.2	436.7
xxLarge	45.4	1152.2	35.0	889.0	5.5	140.0	18.4	468.0	1.9	47.0	25.3	643.0	17.6	447.6

All dimensions are preliminary and are subject to change.

*Standover height measured using a 29 x 3" tire measuring 776mm in diameter.

FRAME SPECIFICATIONS

Sizes: 29" + wheel in sizes XS-XXL

Tubing: 100% Surly 4130 CroMoly steel. ED coated. Double-buttet main triangle. TIG-welded

Rear dropouts: Horizontal slotted w/derailleur hanger, 135mm O.L.D. Troll dropouts, trailer mount

Brake compatibility: 51mm I.S. disc calipers (Max rotor size 160mm rear, 203mm front)

Braze-ons: Two water bottle mounts on XS-M, three water bottle mounts on L-XXL, Surly Trip Guide full line guides for brake and derailleurs, fender and rack eyelets

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm (Surly stainless included)

Headset/Steertube: 1-1/8" threadless

Front derailleur clamp: High direct-mount standard (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 only work with 2.5" tires or smaller)

Tire clearance: 29 x 3"

Fork: TIG-welded custom-buttet 4130 CroMoly, 80mm suspension corrected, 1-1/8" steerer tube, 203mm disc brake clearance

Color: MRE Green

Hub Standard Measurement

Front 100 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

ECR COMPLETE BIKE

COMPONENT SIZING

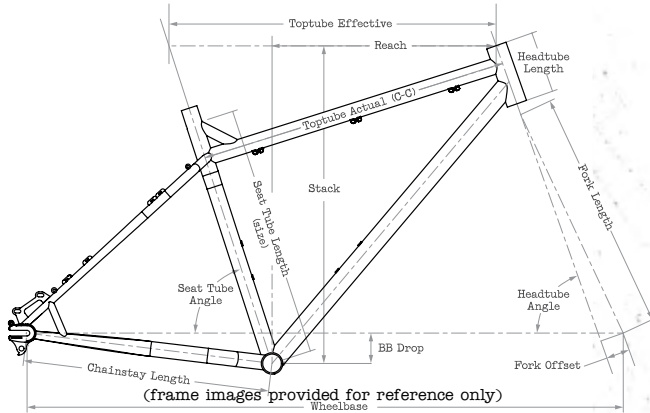
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
xSmall	3.5	90.0	7.0	28.0	710.0	170.0
Small	3.9	100.0	7.0	28.0	710.0	170.0
Medium	3.9	100.0	7.0	28.0	710.0	175.0
Large	4.3	110.0	7.0	28.0	710.0	175.0
xLarge	4.7	120.0	7.0	28.0	710.0	175.0
xxLarge	5.1	130.0	7.0	28.0	710.0	180.0

BIKE SPECIFICATIONS

Component	Type	Description
Headset	Cane Creek	40 series
Crankset	Surly O.D.	36/22t
Bottom Bracket	Surly Enduro	Black
Brakes	Avid BB7	HS rotors. 180/160 front & rear
Brake Levers	Avid FR-5	Black
Rims	Surly Rabbit Hole	700c x 50mm w/holes
Front Hub	Surly Ultra New Disc	32h. 6-bolt disc. Black
Rear Hub	Shimano FH-M529	32h disc. Black
Tires	Surly Knard	29 x 3". 27tpi
Shifters	Microshift SL-T09	9-speed
Front Derailleur	Shimano SLX FD-M676D	Problem Solvers direct mount adaptor
Rear Derailleur	Shimano Deore RD-M591	9-speed
Cog or Cogset	Shimano HG61-9	9-speed. 12-14-16-18-21-24-28-32-36t
Stem	Kalloy AS-025N	31.8, 4-bolt, black
Handlebar	Jones Loop	710mm. Anodized. Black
Saddle	Velo VL2155	Steel rail
Seatpost	Kalloy SP-324	
Chain	KMC X9	Silver
Extras		Velo lock-on grips. Surly Stainless seatpost collar. 14g DT Swiss spokes. Features Rohloff torque arm slot and threaded eyelets for fenders, racks and Surly trailer mounts

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

TROLL FRAME



FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
xSmall	14.0	355.6	20.9	532.0	21.5	546.0	71.0	73.0	1.6	40.0	16.5	420.0
Small	16.0	406.4	21.6	549.0	22.5	571.0	71.0	73.0	1.6	40.0	16.5	419.0
Medium	18.0	457.5	22.4	570.0	23.5	596.0	71.0	73.0	1.6	40.0	16.5	419.0
Large	20.0	508.8	23.2	590.0	24.3	616.0	71.0	73.0	1.6	40.0	16.5	419.0
xLarge	22.0	558.8	23.9	608.3	24.8	631.0	71.0	73.0	1.6	40.0	16.5	419.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
xSmall	39.8	1011.9	28.2	717.0	3.5	90.0	17.8	453.0	1.6	40.0	21.7	551.0	14.8	376.5
Small	40.8	1037.3	29.3	745.0	3.9	100.0	17.8	453.0	1.6	40.0	22.1	560.5	15.7	398.6
Medium	41.8	1062.6	30.5	774.0	4.3	110.0	17.8	453.0	1.6	40.0	22.4	569.9	16.6	420.8
Large	42.6	1083.2	31.7	804.0	4.9	125.0	17.8	453.0	1.6	40.0	23.0	584.1	17.2	436.4
xLarge	43.3	1098.8	33.0	838.0	5.7	145.0	17.8	453.0	1.6	40.0	23.7	603.0	17.5	445.6

All dimensions are preliminary and are subject to change.

*Standover height measured using a 26 x 2.1" tire measuring 676mm in diameter.

FRAME SPECIFICATIONS

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

Rear dropouts: Horizontal slotted with derailleur hanger, 135mm O.L.D. Features Rohloff torque arm slot and threaded eyelets for fenders, racks and Surly trailer mounts

Brake compatibility: Disc and rim brake compatible. Disc mounts are 51mm IS Rim brake pivots are removable. Note: rear disc brake is limited to 160mm maximum rotor diameter and requires the use of Surly caliper adapter (included with frames and bikes)

Braze-ons: Full-length Surly Trip Guide housing line guides for derailleurs and brakes; two sets of bottle cage mounts; removable post cantilever pivots; upper seatstay threaded barrels, mid-and low-blade fully threaded through-blade fork eyelets; threaded holes for racks, fenders and trailer mounting nuts; Rohloff OEM2 axle plate mounting slot

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm (Surly stainless included)

Headset/Steertube: 1-1/8" threadless

Front derailleur clamp: 28.6mm, top-pull or Shimano high direct mount (adaptor included)

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

Chainring clearance: 24/36/48t

Tire clearance: 26 x 2.75". Individual tire and rim combos affect tire clearance

Fork: TIG-welded tapered & butted 4130 CroMoly, 100mm suspension corrected, tapered straight blade. Low- and mid-blade fully threaded through-blade rack eyelets; fender mount eyelets at dropout; 1-1/8" x 260mm threadless steer tube, 51mm disc mount (203mm max. rotor diameter), removable cantilever pivots, two sets of bottle mounts on each fork blade. Note: you can't always mount bottles on the fork with every rack

Color: Egg Plant and Not So Dark Black

Hub Standard Measurement

Front 100 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

TROLL COMPLETE BIKE

COMPONENT SIZING

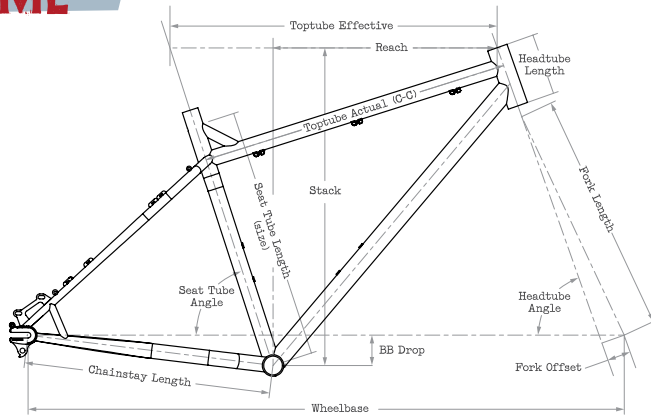
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
xSmall	3.5	90.0	7.0	28.0	710.0	170.0
Small	3.5	90.0	7.0	28.0	710.0	170.0
Medium	3.9	100.0	7.0	28.0	710.0	175.0
Large	4.3	110.0	7.0	28.0	710.0	175.0

BIKE SPECIFICATIONS

Component	Type	Description
Headset	Cane Creek 40	1-1/8" threadless. Black
Crankset	Shimano FC-T551	26/36/48t. Black
Bottom Bracket	Surly Enduro	Black
Brakes	Avid BB7	Cable actuated. 180/160mm rotors front & rear
Brake Levers	Avid FR-5	Black
Rims	Alex Adventurer	26". 32-hole. Black w/machined sidewalls
Front Hub	Shimano Deore Disc M525	32h. QR. Black
Rear Hub	Shimano Deore Disc M529	32h. QR. Black
Tires	WTB Nano Comp	26 x 2.1". Steel bead
Shifters	Microshift	SL-T09
Front Derailleur	Shimano Deore	FD-M616. 28.6mm. Top-pull
Rear Derailleur	Shimano Deore	Model RD-M591 9-speed
Cog or Cogset	Shimano HG-61	12-14-16-18-21-24-28-32-36t
Stem	Kalloy AS-008	Black
Handlebar	Jones Loop	710mm. Black anodized
Saddle	WTB SST Comp	Steel rails. Black vinyl. Feels pretty o.k.
Seatpost	Kalloy SP-342	27.2mm. 350mm. Black
Chain	SRAM PC-970	Silver
Extras	Surly stainless steel post clamp, 14g DT Swiss spokes	

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

OGRE FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
Small	16.0	406.4	22.0	557.7	22.7	575.6	71.0	73.0	2.7	68.0	17.0	431.0
Medium	18.0	457.2	22.6	575.0	23.6	599.3	71.5	73.0	2.7	68.0	17.0	431.0
Large	20.0	508.0	23.2	589.9	24.3	616.3	72.0	73.0	2.7	68.0	17.0	431.0
xLarge	22.0	558.8	23.9	607.1	24.9	632.2	72.0	73.0	2.7	68.0	17.0	431.0
xxLarge	24.0	609.6	24.7	627.1	25.5	648.1	72.0	73.0	2.7	68.0	17.0	431.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
Small	41.2	1046.1	30.0	762.9	3.5	90.0	18.4	468.0	1.7	43.0	23.3	591.1	15.5	394.9
Medium	41.9	1064.9	31.2	792.7	3.9	100.0	18.4	468.0	1.7	43.0	23.7	602.5	16.3	415.1
Large	42.4	1076.8	32.4	822.5	4.3	110.0	18.4	468.0	1.7	43.0	24.2	614.0	16.9	428.6
xLarge	43.0	1093.0	33.6	853.5	4.9	125.0	18.4	468.0	1.7	43.0	24.7	628.2	17.3	440.1
xxLarge	43.7	1109.2	34.8	884.4	5.5	140.0	18.4	468.0	1.7	43.0	25.3	642.5	17.8	451.7

All dimensions are preliminary and are subject to change.

*Standover height measured using 29 x 2.3" tire measuring 737mm in diameter.

FRAME SPECIFICATIONS

Tubing: Surly 4130 CroMoly steel. Main triangle double-butt. TIG-welded

Rear dropouts: Horizontal slotted with derailleur hanger, 135mm O.L.D. Features Rohloff torque arm slot and threaded eyelets for fenders, racks and Surly trailer mounts

Brake compatibility: Disc and rim brake compatible. Disc mounts are 51mm IS Rim brake pivots are removable. Note: rear disc brake is limited to 160mm maximum rotor diameter and requires the use of Surly caliper adapter

Braze-ons: Full-length Surly Trip Guide housing line guides for derailleurs and brakes; three sets of bottle cage mounts (one set may be run in higher or lower position); removable post cantilever pivots; upper seatstay threaded barrels, mid- and low-blade fully threaded through-blade fork eyelets; threaded holes for racks, fenders and trailer mounting nuts; Rohloff OEM2 axle plate mounting slot

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm (Surly stainless included)

Headset/Steertube: 1-1/8" threadless

Front derailleur clamp: 28.6mm, top-pull or Shimano high direct mount (adapter included)

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

Chainring clearance: 26/36/46t

Tire clearance: 29 x 2.5". Individual tire and rim combos affect tire clearance

Fork: TIG-welded 4130 CroMoly, 80mm suspension corrected, tapered and butted straight blade. Low- and mid-blade fully threaded through-blade rack eyelets; fender mount eyelets at dropout; 1-1/8" x 260mm threadless steer tube, 51mm disc mount (203mm max. rotor diameter), removable cantilever pivots, line/housing guides; two sets of bottle cage mounts, each height adjustable (note: cages cannot be used on fork with some racks, and vice versa)

Color: Tanish Gray or Blacktacular

Hub Standard Measurement

Front 130 Front Spacing 19.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

OGRE COMPLETE BIKE

COMPONENT SIZING

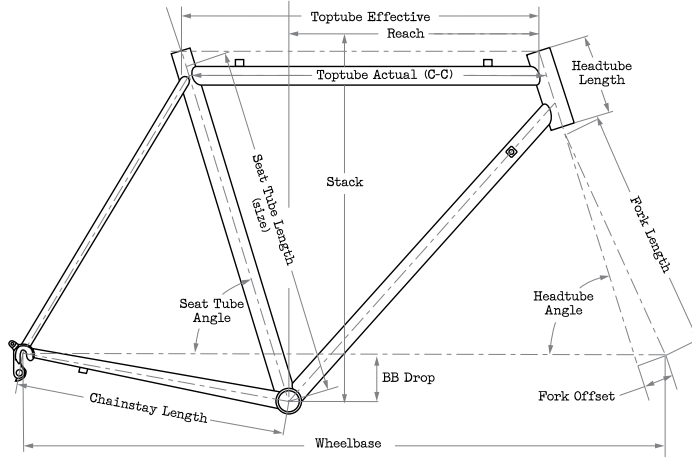
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
Small	3.5	90.0	7.0	28.0	710.0	170.0
Medium	3.9	100.0	7.0	28.0	710.0	175.0
Large	4.3	110.0	7.0	28.0	710.0	175.0
xLarge	4.7	120.0	7.0	28.0	710.0	175.0
xxLarge	4.7	120.0	7.0	28.0	710.0	175.0

BIKE SPECIFICATIONS

Component	Type	Description
Headset	Cane Creek 40	1-1/8" threadless. Black
Crankset	Shimano FC-T551	26/36/48t. Black
Bottom Bracket	Surly Enduro	Black
Brakes	Avid BB7	Cable actuated. 180/160mm rotors front & rear
Brake Levers	Avid FR-5	Black
Rims	Alex Adventurer	26". 32-h. Machined sidewalls. Black
Front Hub	Shimano Deore Disc M525	32h. QR. Black
Rear Hub	Shimano Deore Disc M529	32h. QR. Black
Tires	WTB Nano Comp	26 x 2.1". Steel bead
Shifters	Microshift SL-T09	Shifts pretty awesome
Front Derailleur	Shimano Deore FD-M616	28.6mm. Top-pull
Rear Derailleur	Shimano Deore RD-M591	9-speed
Cog or Cogset	Shimano HG-61	12-14-16-18-21-24-28-32-36t
Stem	Kalloy AS-008	31.8mm. 4-bolt. Black
Handlebar	Jones Loop	710mm. Anodized. Black
Saddle	WTB SST Comp	Steel rails. Black vinyl. Feels pretty o.k.
Seatpost	Kalloy SP-342	27.2mm. 350mm. Black
Chain	SRAM PC-970	Silver
Extras		Surly stainless steel post clamp. 14g DT Swiss spokes

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

LONG HAUL, DELUXE & DISC TRUCKER FRAMES



(frame images provided for reference only)

FRAME SPECIFICATIONS

Sizes: 26" wheel 42, 46, 50-62cm; 700c wheel 56-64cm (no 700c DeLuxe)

Tubing: 100% Surly 4130 CroMoly steel. Main triangle double-butted. TIG-welded

Rear dropouts: Vertical, 135mm O.L.D.

Brake compatibility: LHT and DeLuxe use rim brake pivots front and rear (cantilever or linear pull)
Disc Trucker uses 51mm disc calipers (160mm rotor only)

Braze-ons: Upper bosses and dropout eyelets for racks front and rear, fender eyelets, pump peg, downtube lever bosses, three sets of H₂O cage bosses, (two on the DeLuxe) rear housing stop for rim brakes (LHT and DeLuxe), housing stops for brake and derailleurs, emergency spoke mounts, S&S couplers (DeLuxe)

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm (Surly stainless included)

Headset/Steertube: 1-1/8" threadless

Front derailleur clamp: 28.6mm (bottom-pull)

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

Chaining clearance: 42/53t double, 38/52/56t triple

Tire clearance: 26": 2.1" with or without fenders; 700c: 42mm with fenders, 45mm without fenders
Individual tire and rim combos affect tire clearance

Fork: 4130 CroMoly, lugged and brazed. Proprietary sloping crown with threaded eyelets, tapered and butted curved blades with mid-blade rack eyelets, dual dropout eyelets

LHT & Disc Trucker Color: Smoggy Pearl or Blacktaular

Disc Trucker Colors: Maroon #79

Trucker DeLuxe Color: Dave's Frozen Tears

Hub Standard Measurement

Front 100 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 18.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

LONG HAUL, DELUXE & DISC TRUCKER FRAMES

26" WHEELS

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
42cm	16.5	42.0	19.4	492.7	19.9	505.0	70.0	75.0	1.9	47.0	18.1	460.0
46cm	18.1	46.0	20.0	508.4	20.3	515.0	70.0	74.5	1.9	47.0	18.1	460.0
50cm	19.7	50.0	20.7	525.4	20.9	530.0	71.0	74.0	1.9	47.0	18.1	460.0
52cm	20.5	52.0	21.1	535.0	21.3	540.0	71.0	73.5	1.9	47.0	18.1	460.0
54cm	21.3	54.0	21.6	549.7	21.9	555.0	71.0	73.0	1.9	47.0	18.1	460.0
56cm	22.0	56.0	22.2	564.5	22.4	570.0	71.0	73.0	1.9	47.0	18.1	460.0
58cm	22.8	58.0	22.8	580.3	23.1	586.0	71.0	72.5	1.9	47.0	18.1	460.0
60cm	23.6	60.0	23.4	594.8	23.6	600.0	71.5	72.5	1.9	47.0	18.1	460.0
62cm	24.4	62.0	23.8	603.8	24.0	610.0	71.5	72.0	1.9	47.0	18.1	460.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
42cm	40.8	1036.6	27.6	702.1	4.4	110.7	14.8	376.0	1.8	45.0	19.6	497.2	14.5	367.2
46cm	41.1	1042.7	28.5	723.2	4.6	116.7	14.8	376.0	1.8	45.0	19.8	502.9	14.6	371.3
50cm	41.2	1046.8	29.8	756.1	5.7	144.0	14.8	376.0	1.8	45.0	21.0	532.3	14.7	374.5
52cm	41.5	1053.1	30.5	774.5	6.4	163.0	14.8	376.0	1.8	45.0	21.7	550.3	14.7	374.6
54cm	41.9	1064.0	31.2	792.4	7.2	182.0	14.8	376.0	1.8	45.0	22.4	568.3	14.9	379.4
56cm	42.5	1079.8	32.0	811.9	8.0	203.0	14.8	376.0	1.8	45.0	23.2	588.1	15.3	388.3
58cm	43.0	1091.2	32.7	829.7	8.7	222.0	14.8	376.0	1.8	45.0	23.9	606.1	15.5	393.5
60cm	43.3	1100.4	33.4	847.9	9.4	238.0	14.8	376.0	1.8	45.0	24.5	623.3	15.8	402.5
62cm	43.5	1105.1	34.1	866.6	10.2	259.0	14.8	376.0	1.8	45.0	25.3	643.2	15.8	400.5

All dimensions subject to change.

*Measurements for 26" frame are calculated using a 26 x 1.5" tire with a diameter of 628mm.

700c WHEELS

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
56cm	22.0	56.0	22.2	564.5	22.4	570.0	72.0	73.0	3.1	78.0	18.1	460.0
58cm	22.8	58.0	22.8	580.2	23.1	586.0	72.0	72.5	3.1	78.0	18.1	460.0
60cm	23.6	60.0	23.4	594.8	23.6	600.0	72.0	72.5	3.1	78.0	18.1	460.0
62cm	24.4	62.0	23.8	603.9	24.0	610.0	72.0	72.0	3.1	78.0	18.1	460.0
64cm	25.2	64.0	24.2	615.0	24.4	620.0	72.0	72.0	3.1	78.0	18.1	460.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
56cm	41.6	1055.6	32.0	811.9	6.0	152.0	15.4	390.0	1.8	45.0	23.1	588.0	15.3	389.3
58cm	42.0	1066.7	32.7	829.8	6.7	171.0	15.4	390.0	1.8	45.0	23.9	606.1	15.5	394.4
60cm	42.6	1080.8	33.4	847.8	7.4	189.0	15.4	390.0	1.8	45.0	24.5	623.2	15.9	403.0
62cm	42.7	1085.3	34.1	866.5	8.3	210.0	15.4	390.0	1.8	45.0	25.3	643.2	15.8	401.0
64cm	43.1	1095.3	34.8	883.6	8.9	226.0	15.4	390.0	1.8	45.0	25.9	658.4	16.0	406.1

All dimensions subject to change.

*Measurements for a 700c frame are calculated using a 700c x 37mm tire with a diameter of 690mm.

LONG HAUL TRUCKER COMPLETE BIKE

COMPONENT SIZING

Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
42cm	3.0	75.0	35.0	15.8	400.0	165.0
46cm	3.0	75.0	35.0	15.8	400.0	165.0
50cm	3.0	75.0	35.0	15.8	400.0	170.0
52cm	3.5	90.0	17.0	16.5	420.0	170.0
54cm	3.9	100.0	17.0	16.5	420.0	170.0
56cm	3.9	100.0	17.0	17.3	440.0	175.0
58cm	4.3	110.0	17.0	17.3	440.0	175.0
60cm	4.7	120.0	17.0	18.1	460.0	175.0
62cm	4.7	120.0	17.0	18.1	460.0	175.0
64cm	4.7	120.0	17.0	18.1	460.0	175.0

BIKE SPECIFICATIONS

Component	Type	Description
Headset	Cane Creek 40	1-1/8" threadless. Black
Crankset	Andel RSC6	26/36/48t. Square taper interface. Silver
Bottom Bracket	Shimano UN-55	Square taper interface. 68 x 118mm
Brakes	Tektro CR720	Cantilever. Silver
Brake Levers	Tektro	RL341 short reach on 42, 46, 50mm frames. RL340 standard reach on all others
Rims (26")	Alex Adventurer	36h. Double wall. Eyeletted. Black
Rims (700c)	Alex Adventurer	36h. Double wall. Eyeletted. Black
Front Hub	Shimano LX T660	36h. Non-disc. Silver
Rear Hub	Shimano LX T660	36h. Non-disc. 135mm O.L.D. Silver
Tires (26") 42-54cm	Continental Tour RIDE	26 x 1.5". Wire bead. Blackwall. Reflective sidewall
Tires (26") 56-62cm	Continental Tour RIDE	26 x 1.75". Wire bead. Blackwall. Reflective sidewall
Tires (700c)	Continental Tour RIDE	700c x 37mm. Wire bead. Blackwall. Reflective sidewall
Shifters	Microshift Bar-Con bar ends	2/3 x 9-speed, friction/index settings. BS-T09
Front Derailleur	Shimano Sora FD-3403	Silver
Rear Derailleur	Shimano XT RD-M771	Black
Cog or Cogset	Shimano HG-50	11,12,14,16,18,21,24,28,32t
Stem	Kalloy AS-009	26.0mm bar clamp. Aluminum. 4-bolt face. Silver
Handlebar	PMT	26.0mm. Silver
Saddle	WTB SST Comp	Steel rails. Black vinyl. Feels pretty o.k.
Seatpost	Kalloy SP-248D	27.2mm. 300mm. Silver
Chain	SRAM PC-971	116 links. Silver
Extras		Surly stainless steel post clamp. 14g DT Swiss spokes. Some pretty sweet & comfy cork tape

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

DISC TRUCKER COMPLETE BIKE

COMPONENT SIZING

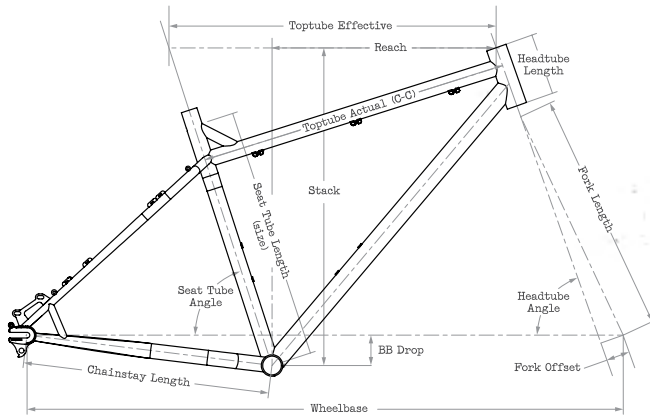
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
42cm	3.0	75.0	35.0	15.8	400.0	165.0
46cm	3.0	75.0	35.0	15.8	400.0	165.0
50cm	3.0	75.0	35.0	15.8	400.0	170.0
52cm	3.5	90.0	17.0	16.5	420.0	170.0
54cm	3.9	100.0	17.0	16.5	420.0	170.0
56cm	3.9	100.0	17.0	17.3	440.0	175.0
58cm	4.3	110.0	17.0	17.3	440.0	175.0
60cm	4.7	120.0	17.0	18.1	460.0	175.0
62cm	4.7	120.0	17.0	18.1	460.0	175.0
64cm	4.7	120.0	17.0	18.1	460.0	175.0

BIKE SPECIFICATIONS

Component	Type	Description
Headset	Cane Creek 40	1-1/8" threadless. Black
Crankset	Andel RSC6	26/36/48t. Square taper interface. Silver
Bottom Bracket	Shimano UN-55	Square taper interface. 68 x 118mm
Brakes	Avid BB7	Cable actuated. 160mm rotors front & rear
Brake Levers	Tektro RL520	Drop bar levers. Black hoods
Rims (26")	Alex Adventurer	36h. Double wall. Eyeletted. Black
Rims (700c)	Alex Adventurer	36h. Double wall. Eyeletted. Black
Front Hub	Shimano XT M756	6-bolt disc. 36h. Silver
Rear Hub	Shimano XT M756	6-bolt disc. 36h. 135mm. Silver
Tires (26") 42-54cm	Continental Tour RIDE	26 x 1.5". Wire bead. Reflective sidewall
Tires (26") 56-62cm	Continental Tour RIDE	26 x 1.75". Wire bead. Reflective sidewall
Tires (700c)	Continental Tour RIDE	700c x 37mm. Wire bead. Reflective sidewall
Shifters	Microshift Bar-Con bar ends. BS-T09	2/3 x 9-speed, friction/index settings
Front Derailleur	Shimano Sora FD-3503	Silver
Rear Derailleur	Shimano XT RD-M771	Black
Cog or Cogset	Shimano HG-50	11,12,14,16,18,21,24,28,32t
Stem	Kalloy AS-009	26.0mm bar clamp. Aluminum. 4-bolt face. Silver
Handlebar	PMT	26.0mm. Silver
Saddle	WTB SST Comp	Steel rails. Black vinyl. Feels pretty o.k.
Seatpost	Kalloy SP-248D	27.2mm. 300mm. Silver
Chain	SRAM PC-971	116 links. Silver.
Extras		Surly stainless steel post clamp. 14g DT Swiss spokes. Some pretty sweet & comfy cork tape

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

INSTIGATOR FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST** (C-T)		TT (C-C)		TT (Effective)		HT Angle		ST Angle		BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm	degrees	degrees	inches	mm	inches	mm	inches	mm
xSmall	12.8	298.6	21.8	552.8	21.9	555.0	67.5	73.0	1.2	30.0	16.4	416.4		
Small	14.8	376.4	22.5	570.8	22.8	580.0	67.5	73.0	1.2	30.0	16.4	416.4		
Medium	16.8	427.2	23.0	584.7	23.8	605.0	67.5	73.0	1.2	30.0	16.4	416.4		
Large	18.8	478.0	23.7	601.1	24.6	625.0	67.5	73.0	1.2	30.0	16.4	416.4		
xLarge	20.8	528.8	24.5	621.6	25.4	645.0	67.5	73.0	1.2	30.0	16.4	416.4		

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
xSmall	42.1	1070.5	29.1	738.7	3.9	100.0	20.0	508.3	1.7	44.0	23.0	584.5	14.9	377.9
Small	43.1	1095.5	29.3	745.2	3.9	100.0	20.0	508.3	1.7	44.0	23.0	584.5	15.9	402.9
Medium	44.1	1120.5	30.4	771.6	3.9	100.0	20.0	508.3	1.7	44.0	23.0	584.5	16.6	422.9
Large	45.0	1142.0	31.4	796.7	4.5	115.0	20.0	508.3	1.7	44.0	23.6	598.3	17.5	443.7
xLarge	45.7	1162.0	32.6	827.7	4.5	115.0	20.0	508.3	1.7	44.0	23.6	598.3	18.3	463.7

All dimensions are preliminary and are subject to change.

*Standover height measured using a 26 x 2.75" tire measuring 700mm in diameter.

** The XS frame size does not include a support tube like the others; therefore, the ST Length measurement is taken from the center of the BB to the top of the TT.

FRAME SPECIFICATIONS

Tubing: 100% Surly 4130 CroMoly steel. ED coated. Double-buttet main triangle. TIG-welded

Rear dropouts: Our Modular Dropout System gives you the option of 142 x 12 thru axle (Shimano Direct Mount derailleur hanger [axle included]), 9mm QR geared, or singlespeed

Brake compatibility: Disc only

Braze-ons: None

Seatpost diameter: 30.9mm

Seatpost clamp: 33.1mm

Headset: 44.0mm ID headtube

Front derailleur clamp: 34.9mm

Bottom bracket shell: 73mm BB Shell, ISCG-05 mount

Chaining clearance: Triple 22/34/44t, Double 26/39t, max single ring clearance, middle position, 36t. Outer position 44t. (Triple will not work with Surly 50mm rim and 26 x 3" tire, for doubles, run a Surly O.D. Crankset for best tire clearance)

Tire clearance: 26 x 3.0"

Fork: 27.5 suspension fork (140mm travel)

Color: SolidGold Gold

Hub Standard Measurement

Front 100 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 18.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

INSTIGATOR COMPLETE BIKE

COMPONENT SIZING

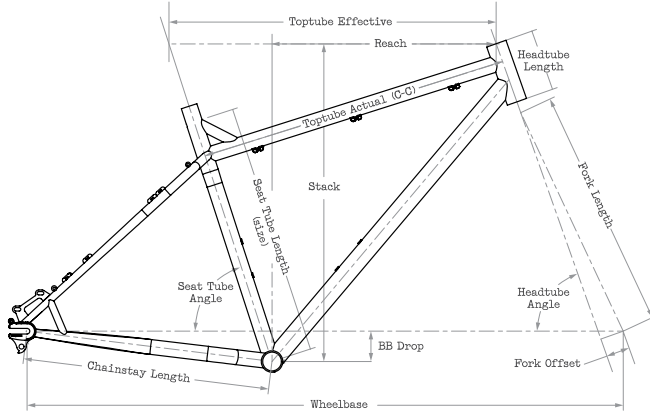
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
xSmall	2.0	50.0	5.0	27.6	700.0	170.0
Small	2.0	50.0	5.0	27.6	700.0	170.0
Medium	2.4	60.0	5.0	29.5	750.0	175.0
Large	2.8	70.0	5.0	29.5	750.0	175.0
xLarge	3.1	80.0	5.0	29.5	750.0	180.0

BIKE SPECIFICATIONS

Component	Type	Description
Headset	Cane Creek 40	ZS44/EC44
Crankset	Surly O.D.	30t
Bottom Bracket	Surly Endro	w/sleeve
Brakes	Shimano SLX BR-M675	180/160mm rotors front/rear
Brake Levers	Shimano SLX BR-M675	Black
Rims	Surly Rabbit Hole 26+	32h, Black
Front Hub	Shimano SLX HB-M678	15mm thru-axle. Black
Rear Hub	Shimano SLX FH-M678	12mm thru-axle. Black
Tires	Surly Dirt Wizard 26 x 2.75"	27tpi
Shifters	Shimano SLX M670	10-speed, RH
Front Derailleur	MRP 1x chain guide	ICSG 05
Rear Derailleur	Shimano SLX RD-M675 Shadow +	10-speed Shadow+
Cog or Cogset	Shimano HG62-10	11/36t
Stem	TruVativ AKA	31.8mm. 4-bolt. Black
Handlebar	Salsa Pro Moto	31.8mm
Saddle	Velo VL2155	Steel rails. Black
Seatpost	Kalloy SP-342	
Chain	KMC x10, NP	Silver
Extras		Velo lock-on grips. Surly stainless steel post clamp 14g DT Swiss spokes

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

KRAMPUS & KRAMPUS OPS FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
Small	14.8	375.0	22.1	561.0	23.0	585.0	69.5	72.5	2.4	60.0	17.6	446.0
Medium	16.7	425.0	22.8	578.0	24.0	609.0	69.5	72.5	2.4	60.0	17.6	446.0
Large	18.7	475.5	23.5	597.4	24.8	630.0	69.5	72.5	2.4	60.0	17.6	446.0
xLarge	20.7	525.0	24.2	614.7	25.4	645.0	69.5	72.5	2.4	60.0	17.6	446.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
Small	43.0	1091.1	30.4	773.4	3.5	90.0	19.0	483.0	1.9	47.0	23.2	589.8	15.7	399.0
Medium	44.0	1116.7	31.5	799.7	3.7	95.0	19.0	483.0	1.9	47.0	23.4	594.5	16.6	421.6
Large	44.8	1138.8	32.5	825.8	3.9	100.0	19.0	483.0	1.9	47.0	23.6	599.2	17.4	441.1
xLarge	45.5	1155.3	33.7	856.6	4.5	115.0	19.0	483.0	1.9	47.0	24.1	613.2	17.8	451.7

All dimensions are preliminary and are subject to change.

*Standover height measured using 29 x 3.0" tire measuring 776mm in diameter.

FRAME SPECIFICATIONS

tubing: Surly 4130 CroMoly steel. Main Triangle TIG-welded, custom butted. Sweet CS Yoke.

Rear dropouts: Surly horizontal dropouts with derailleur hanger, 135mm O.L.D.

Rear dropouts Ops only: Our Modular Dropout System gives you the option of 142 x 12 thru axle (Shimano Direct Mount derailleur hanger [axle included]), 9mm QR geared, or singlespeed.

Brake compatibility: 51mm IS disc mounts frame and fork

Max Disc Brake Rotor Size: 203mm

Braze-ons: Dual water bottle mounts, Surly Trip Guide full line guides for brake and derailleurs, fender and rack eyelets

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm (Surly stainless included)

Headset/Steertube: 44mm ID. Recommend EC44 lower cups. Zero Stack on top is o.k.

Front derailleur clamp: High direct mount standard, clamp adapter included

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

Chainring 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" tire, for doubles, run a Surly O.D. Crankset for best tire clearance.)

Tire clearance: 29 x 3"

Fork: TIG-welded custom tapered butted 4130 CroMoly, 100-120mm suspension corrected, 1-1/8" steerer tube, 203mm disc brake clearance

Color: Moonlit Swamp, Flatblack (Ops)

Hub Standard Measurement

Front 130 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

KRAMPUS & KRAMPUS OPS COMPLETE BIKE

COMPONENT SIZING

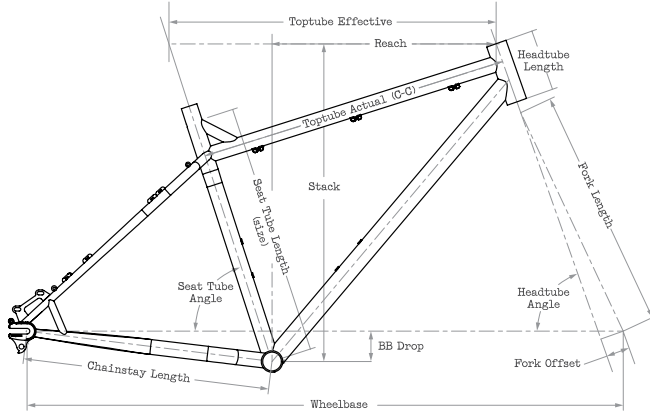
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
Small	2.4	60.0	7.0	27.6	700.0	170.0
Medium	2.8	70.0	7.0	29.5	750.0	175.0
Large	3.1	80.0	7.0	29.5	750.0	175.0
xLarge	3.5	90.0	7.0	29.5	750.0	180.0

BIKE SPECIFICATIONS

Component	Krampus	Krampus OPs
Headset	Cane Creek	Cane Creek
Crankset & BB	Shimano ZEE	Surly O.D. 33
Brakes	Avid BB7	Avid BB7
Brake Levers	Avid FR-5	Avid FR-5
Rims	Surly Rabbit Hole 29+	Surly Rabbit Hole 29+
Front Hub	Surly Ultra New Disc	Surly Ultra New Disc
Rear Hub	Shimano FH-M529	Shimano FH-M529
Tires	Surly Knard 29 x 3"	Surly Knard 29 x 3"
Shifters	Shimano SLX	Shimano SLX
Front Derailleur	MRP 1x guide. BB mount	MRP 1x guide. BB mount
Rear Derailleur	Shimano SLX/Shadow+ RD-M675	Shimano SLX
Cog or Cogset	SRAM GG-1070	SRAM GG-1070
Stem	Kalloy	Kalloy
Handlebar	Salsa Wammy	Salsa Salt Flat
Saddle	Velo VL2155	Velo VL2155
Seatpost	Kalloy SP-324	Kalloy SP-324
Chain	KMC x10	KMC x10
Extras	Chain guide. Surly stainless steel post clamp. 14g DT Swiss spokes	

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

KARATE MONKEY & KARATE MONKEY MDS FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (G-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
Small	16.0	406.4	22.0	557.7	22.7	575.6	71.0	73.0	2.7	68.0	17.0	431.0
Medium	18.0	457.2	22.6	575.0	23.6	599.3	71.5	73.0	2.7	68.0	17.0	431.0
Large	20.0	508.0	23.2	589.9	24.3	616.3	72.0	73.0	2.7	68.0	17.0	431.0
xLarge	22.0	558.8	23.9	607.1	24.9	632.2	72.0	73.0	2.7	68.0	17.0	431.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
Small	41.2	1046.1	30.0	762.9	3.9	100.0	18.4	468.0	1.7	43.0	23.3	591.1	15.5	394.9
Medium	41.9	1064.9	31.2	792.7	3.9	100.0	18.4	468.0	1.7	43.0	23.7	602.5	16.3	415.1
Large	42.4	1076.8	32.4	822.5	4.3	110.0	18.4	468.0	1.7	43.0	24.2	614.0	16.9	428.6
xLarge	43.0	1093.0	33.6	853.5	4.9	125.0	18.4	468.0	1.7	43.0	24.7	628.2	17.3	440.1

All dimensions are preliminary and are subject to change.

*Standover height measured using 29 x 2.3" tire measuring 737mm in diameter.

FRAME SPECIFICATIONS

Tubing: Surly 4130 CroMoly steel. Main triangle double-butted. TIG-welded

Rear dropouts: Surly horizontal dropouts with derailleur hanger, 135mm O.L.D.

Rear dropouts Ops only: Our Modular Dropout System gives you the option of 142 x 12 thru axle (Shimano Direct Mount derailleur hanger [axle included]), 9mm QR geared, or singlespeed

Brake compatibility: 51mm IS disc mounts front and rear

Braze-ons: Dual water bottle mounts, Surly Trip Guides for continuous brake and derailleur housing

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm (Surly stainless included)

Headset/Steertube: 1-1/8" threadless

Front derailleur clamp: 28.6mm (high-direct) adaptor included

Bottom bracket shell: 73mm wide, standard English threading (1.37" x 24t)

Chaining clearance: 24/36/48t

Tire clearance: 29 x 2.55" knobbies. Individual tire and rim combos affect tire clearance

Fork: Suspension-corrected (80mm), tapered and butted straight blade, 4130 CroMoly. 51mm IS disc mount Ops—Fox Float 32mm 100mm travel; 15mm thru-axle

Color: Spray Tan or Stretchpants Black

Hub Standard Measurement

Front 130 Front Spacing 19.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm

NOTE—Surly 135mm front hub use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

KARATE MONKEY & KM OPS COMPLETE BIKE

SINGLESPEED COMPONENT SIZING

Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
Small	3.5	90.0	7.0	26.0	660.0	170.0
Medium	3.9	100.0	7.0	26.0	660.0	175.0
Large	4.3	110.0	7.0	26.0	660.0	175.0
xLarge	4.7	120.0	7.0	26.0	660.0	175.0

OPS COMPONENT SIZING

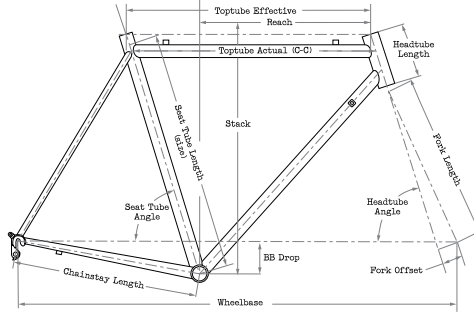
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
Small	3.1	80.0	7.0	27.6	700.0	170.0
Medium	3.5	90.0	7.0	29.5	750.0	175.0
Large	3.9	100.0	7.0	29.5	750.0	175.0
xLarge	4.3	110.0	7.0	29.5	750.0	175.0

BIKE SPECIFICATIONS

Component	Karate Monkey SS	Karate Monkey Ops
Headset	Cane Creek 40	Cane Creek 40 for 44mm
Crankset & BB	TruVativ FireX 1.1	Shimano Deore 2 x 10
Brakes	Avid BB7	Shimano Deore
Brake Levers	Avid FR-5	Shimano Deore Hydraulic
Rims	WTB Speed Disc 29	Alex XD-Lite
Hubs	Surly New model	Shimano Deore
Tires	Maxxis Ardent 29 x 2.4"	Schwalbe Nobby Nic 2.4 (North America) Maxxis Ardent (All Other Regions) 29 x 2.4"
Cog or Cogset	Shimano singlespeed freewheel	Shimano HG50
Stem	Kalloy AS-008	H.L 4-bolt 31.8 clamp
Handlebar	Salsa MotoAce	Salsa Salt Flat 700/750
Saddle	Velo VL-2155	Velo VL-2155
Seatpost	Kalloy SP-342	Kalloy SP-342
Chain	KMC X8	KMC X10
Extras		MDS 12mm through axle only chip

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

STRAGGLER FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
42cm	16.5	420.0	19.8	502.7	20.5	520.0	72.0	75.0	2.8	72.0	16.5	420.0
46cm	18.1	460.0	20.2	513.3	20.8	528.0	72.0	74.5	2.8	72.0	16.5	420.0
50cm	19.7	500.0	20.7	526.9	21.1	535.0	72.0	74.0	2.8	72.0	16.7	425.0
52cm	20.5	520.0	21.5	546.3	21.7	550.0	72.0	73.5	2.8	72.0	16.7	425.0
54cm	21.3	540.0	22.2	563.3	22.2	565.0	72.0	73.0	2.8	72.0	16.7	425.0
56cm	22.0	560.0	22.8	579.7	22.8	580.0	72.0	72.5	2.8	72.0	16.9	430.0
58cm	22.8	580.0	23.4	593.2	23.4	595.0	72.0	72.5	2.8	72.0	16.9	430.0
60cm	23.6	600.0	23.9	608.0	24.0	610.0	72.0	72.0	2.8	72.0	16.9	430.0
62cm	24.4	620.0	24.5	623.0	24.6	625.0	72.0	72.0	2.8	72.0	16.9	430.0
64cm	25.2	640.0	25.2	640.1	25.2	640.0	72.0	72.0	2.8	72.0	16.9	430.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
42cm	38.8	985.2	28.7	729.8	3.6	91.0	15.7	400.0	1.7	44.0	21.0	534.0	14.8	377.1
46cm	38.9	988.4	29.5	749.7	3.6	91.0	15.7	400.0	1.7	44.0	21.0	534.0	14.9	379.1
50cm	39.2	995.7	30.3	768.5	3.6	91.0	15.7	400.0	1.7	44.0	21.0	534.0	15.0	380.5
52cm	39.6	1006.0	30.6	777.3	3.6	91.0	15.7	400.0	1.7	44.0	21.0	534.0	15.4	390.8
54cm	40.0	1016.5	31.2	791.7	4.2	107.0	15.7	400.0	1.7	44.0	21.6	549.2	15.6	396.3
56cm	40.6	1031.9	31.9	809.4	4.8	121.0	15.7	400.0	1.7	44.0	22.3	567.3	15.8	400.7
58cm	41.2	1047.0	32.6	828.7	5.7	146.0	15.7	400.0	1.7	44.0	23.3	591.1	16.1	408.2
60cm	41.6	1056.8	33.3	846.1	6.5	165.0	15.7	400.0	1.7	44.0	24.0	609.1	16.2	412.1
62cm	42.2	1071.8	34.1	865.0	7.3	185.0	15.7	400.0	1.7	44.0	24.7	628.2	16.6	420.9
64cm	42.8	1086.8	34.8	884.0	7.8	198.0	15.7	400.0	1.7	44.0	25.2	640.5	17.0	431.9

All dimensions subject to change.

*Measurements for 26" frame are calculated using a 700c x 41mm tire with a diameter of 718mm.

FRAME SPECIFICATIONS

Tubing: 100% Surly proprietary 4130 CroMoly tubing. ED Coated. TIG-welded. Double-buttet main triangle

Rear dropouts: Forward-exiting horizontal dropouts with adjusters give you singlespeed compatibility and wheelbase adjustability to help you fit the tires and fenders you want to run with that drivetrain you want to run. 135mm spacing

Braze-ons: Fender eyelets at the dropouts, front and rear rack bosses and dual water bottle mounts. Oh yeah, it sports downtube shifter mounts also

Seatpost diameter: 27.2mm

Seatpost clamp diameter: 30.0mm (we include our Surly stainless clamp with our framesets)

Headset/Steertube: 1-1/8" threadless

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

Chaining clearance: Manipulated so you can fit pretty much whatever size rings you want. Go nuts

Tire clearance: Our Fatties Fit Fine (FFF) stays and our beautiful slope-crowned custom fork provide room for tires up to 700c x 42mm! With fenders!

Fork: 4130 CroMoly, disc only, lugged and brazed. Sloping crown with threaded eyelets, tapered and butted curved blades with mid-blade rack eyelets, dual dropout eyelets

Weight: 54cm = 4.74 lb (2.27kg) Fork—uncut = 2.3 lb (1.050g)

Color: Glitter Dreams or Closet Black

STRAGGLER COMPLETE BIKE

COMPONENT SIZING

Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
42cm	2.8	70.0	7.0	15.8	400.0	170.0
46cm	3.1	80.0	7.0	15.8	400.0	170.0
50cm	3.1	80.0	7.0	15.8	400.0	170.0
52cm	3.9	100.0	7.0	16.5	420.0	170.0
54cm	3.9	100.0	7.0	16.5	420.0	175.0
56cm	3.9	100.0	7.0	17.3	440.0	175.0
58cm	4.7	120.0	7.0	17.3	440.0	175.0
60cm	4.7	120.0	7.0	18.1	460.0	175.0
62cm	4.7	120.0	7.0	18.1	460.0	175.0
64cm	4.7	120.0	7.0	18.1	460.0	175.0

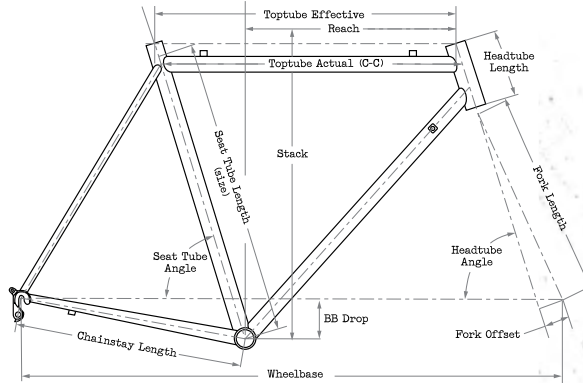
**Stems can be flip-flopped to customize angle

BIKE SPECIFICATIONS

Component	Geared	Description
Headset	Cane Creek 40	Cane Creek 1-1/8". Black
Crankset	Shimano CX-50	Black
Bottom Bracket	Surly Enduro	Black
Brakes	Avid BB7	160mm front & rear
Brake Levers	Shimano Tiagra	Black
Rims	Alex XD-E Lite	
Front Hub	Surly Ultra New	Black
Rear Hub	Shimano 529 disc	Black
Tires	Surly Knard 41	27tpi
Shifters	Shimano Tiagra	Black
Front Derailleur	Shimano CX-70	Black
Rear Derailleur	Shimano Tiagra RD-4601	Long cage. Black
Cog or Cogset	Shimano CS-HG62	11-32t
Stem	Kalloy AS-025N	26.0mm bar clamp. Aluminum, 4-bolt. Black
Handlebar	Salsa Cowbell	31.8mm. Black
Saddle	Velo VL-1353	w/CroMoly Rail. Black
Seatpost	Kalloy SP-342	27.2mm. 300mm. Black
Chain	KMC x10	Chainy
Extras		Surly stainless steel post clamp. 14g DT Swiss spokes. Some pretty sweet & comfy cork tape

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

PACER FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length			
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm		
42cm	16.5	420.0	19.5	494.1	20.0	508.5	71.0	75.5	2.8	72.0	16.1	410.0		
46cm	18.1	460.0	19.9	504.2	20.2	514.3	71.5	75.5	2.8	72.0	16.1	410.0		
50cm	19.7	500.0	20.6	522.9	20.7	526.4	72.0	74.5	2.8	72.0	16.1	410.0		
52cm	20.5	520.0	21.3	540.0	21.3	540.0	72.5	74.0	2.8	72.0	16.1	410.0		
54cm	21.3	540.0	21.9	555.0	21.9	555.0	72.5	73.5	2.8	72.0	16.3	415.0		
56cm	22.0	560.0	22.2	565.0	22.2	565.0	73.0	73.0	2.8	72.0	16.3	415.0		
58cm	22.8	580.0	22.8	579.4	22.8	579.4	73.5	73.0	2.8	72.0	16.3	415.0		
60cm	23.6	600.0	23.2	590.0	23.2	590.0	73.5	72.5	2.8	72.0	16.3	415.0		
62cm	24.4	620.0	23.8	605.0	23.8	605.0	74.0	72.5	2.8	72.0	16.3	415.0		
Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
42cm	38.6	980.9	28.5	723.7	3.3	84.0	14.8	376.0	2.0	50.0	19.6	498.9	14.9	377.4
46cm	38.7	982.9	29.3	744.9	3.9	99.0	14.8	376.0	2.0	50.0	20.3	514.8	14.9	378.4
50cm	38.8	985.6	30.1	764.4	3.9	99.0	14.8	376.0	2.0	50.0	20.3	516.5	15.2	385.0
52cm	38.9	987.2	30.5	775.9	4.1	104.0	14.8	376.0	2.0	50.0	20.6	523.0	15.3	389.0
54cm	39.1	992.8	31.2	793.7	4.7	119.0	14.8	376.0	1.8	45.0	21.2	539.4	15.3	389.5
56cm	39.3	998.8	31.9	811.5	5.4	136.0	14.8	376.0	1.8	45.0	21.9	557.4	15.5	394.6
58cm	39.7	1008.6	32.7	830.7	6.1	154.0	14.8	376.0	1.8	45.0	22.7	576.3	15.9	403.6
60cm	39.9	1013.7	33.4	848.3	6.7	171.0	14.8	376.0	1.8	45.0	23.3	592.6	15.9	403.8
62cm	40.3	1023.4	34.1	867.3	7.4	189.0	14.8	376.0	1.8	45.0	24.1	611.7	16.3	413.1

All dimensions subject to change.

*Measurements are calculated using a 700c x 28mm tire with a diameter of 628mm.

FRAME SPECIFICATIONS

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

Rear dropouts: Vertical dropouts, 130mm spaced; with eyelet

Brake compatibility: Mid-reach 47-57mm

Braze-ons: Single fender eyelets front and rear, dual water bottle mounts, and pump peg (54cm and larger)

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm Surly stainless, included

Headset: 1-1/8" threadless

Front derailleur clamp diameter: 28.6mm

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

Chainring clearance: 39/53t

Fork: 4130 CroMoly, lugged and brazed. Sloping crown, tapered and butted curved blades with dual dropout eyelets

Tire clearance: Room for 700c x 32mm or 700c x 28mm with fenders (tires that measure 35mm wide will fit)

Color: Disco Tomato

Hub Standard Measurement

Front 130 Front Spacing 19.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

PACER COMPLETE BIKE

COMPONENT SIZING

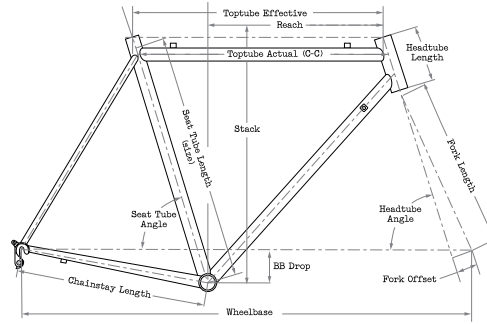
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
42cm	3.1	80.0	7.0	15.0	380.0	170.0
46cm	3.1	80.0	7.0	15.8	400.0	170.0
50cm	3.5	90.0	7.0	15.8	400.0	170.0
52cm	3.5	90.0	7.0	16.5	420.0	170.0
54cm	3.9	100.0	7.0	16.5	420.0	172.5
56cm	3.9	100.0	7.0	17.3	440.0	172.5
58cm	4.3	110.0	7.0	17.3	440.0	175.0
60cm	4.7	120.0	7.0	18.1	460.0	175.0
62cm	4.7	120.0	7.0	18.1	460.0	175.0

BIKE SPECIFICATIONS

Component	Type	Description
Headset	Cane Creek 40	1-1/8" threadless. Black
Crankset	Shimano 105 FC-5750	34/50t. Black
Bottom bracket	Shimano BB5500	Black
Brakes	Tektro R359	Black
Brake Levers	Shimano 105 ST-5700 STI	Lever
Rims	Alex DA28	Black
Front Hub	Shimano 105 HB-5700	Black
Rear Hub	Shimano 105 HB-5700	Black
Tires	Schwalbe Durano	28mm. Kevlar. Awesome.
Shifters	Shimano 105 ST-5700 STI	Black
Front Derailleur	Shimano 105 ST-5700	Black
Rear Derailleur	Shimano 105 RD-5701	Black
Cog or Cogset	Shimano 105 CS-5700	11-28t
Stem	Kalloy AS-025N	31.8mm. Black
Handlebar	Salsa Pro Road 2	26.0mm bar clamp. Black
Saddle	Velo VL1353	CroMoly rails. Black vinyl. Black. Feels pretty o.k.
Seatpost	Kalloy SP-248D	27.2mm. 350mm. Black
Chain	Shimano 105	CN-5701
Extras		Surly stainless steel post clamp. Cushy cork bar tape

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

CROSS-CHECK FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
42cm	16.5	420.0	19.9	505.0	20.6	522.0	72.0	75.0	2.6	66.0	16.5	420.0
46cm	18.1	460.0	20.3	515.0	20.8	528.8	72.0	74.5	2.6	66.0	16.5	420.0
50cm	19.7	500.0	21.1	535.1	21.3	541.8	72.0	74.0	2.6	66.0	16.7	425.0
52cm	20.5	520.0	21.5	545.1	21.5	547.1	72.0	73.5	2.6	66.0	16.7	425.0
54cm	21.3	540.0	22.0	559.9	22.0	560.0	72.0	73.0	2.6	66.0	16.7	425.0
56cm	22.0	560.0	22.4	569.9	22.4	570.0	72.0	72.5	2.6	66.0	16.7	425.0
58cm	22.8	580.0	22.8	579.8	22.8	580.0	72.0	72.5	2.6	66.0	16.7	425.0
60cm	23.6	600.0	23.6	599.8	23.6	600.0	72.0	72.0	2.6	66.0	16.7	425.0
62cm	24.4	620.0	24.0	609.9	24.0	610.0	72.0	72.0	2.6	66.0	16.7	425.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
42cm	39.0	989.8	28.8	731.9	3.6	91.0	15.7	400.0	1.7	44.0	20.8	528.0	14.9	378.7
46cm	39.1	991.9	29.6	750.7	3.6	91.0	15.7	400.0	1.7	44.0	20.8	528.0	15.0	380.8
50cm	39.6	1005.2	30.3	768.4	3.6	91.0	15.7	400.0	1.7	44.0	20.8	528.0	15.3	389.1
52cm	39.6	1005.9	30.6	778.4	3.6	91.0	15.7	400.0	1.7	44.0	20.8	528.0	15.3	389.7
54cm	39.9	1014.3	31.2	793.0	4.0	102.0	15.7	400.0	1.7	44.0	21.2	538.4	15.5	394.8
56cm	40.1	1019.7	31.9	810.7	4.8	121.0	15.7	400.0	1.7	44.0	21.9	556.5	15.5	394.3
58cm	40.5	1029.9	32.7	829.9	5.6	141.0	15.7	400.0	1.7	44.0	22.7	575.7	15.7	398.3
60cm	41.1	1044.7	33.4	847.4	6.3	160.0	15.7	400.0	1.7	44.0	23.4	593.6	16.0	407.3
62cm	41.5	1054.7	34.1	866.2	7.1	180.0	15.7	400.0	1.7	44.0	24.1	612.7	16.2	411.0

All dimensions subject to change.

*Measurements are calculated using a 700c x 32mm tire with a diameter of 685mm.

FRAME SPECIFICATIONS

Tubing: Surly 4130 CroMoly steel. Main triangle double-butted. 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 and 135mm MTB hubs

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

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm Surly stainless, included

Headset: 1-1/8" threadless

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

Tire clearance: Fatties Fit Fine (FFF) stays and our beautiful slope-crowned custom fork provide room for tires up to 700c x 42mm, or about 700c x 40mm with fenders. Largest possible tire size depends on tire, rims, axle location in the dropouts, and other factors, but still, you can run pretty damn big tires

Fork: 4130 CroMoly, lugged and brazed. Sloping crown with threaded eyelets, tapered and butted curved blades with mid-blade rack eyelets, dual dropout eyelets

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

Color: Hospital Foam or Gloss Black

Singlespeed colors: Black Blue

Hub Standard Measurement

Front 130 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 15.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

CROSS-CHECK COMPLETE BIKE

COMPONENT SIZING

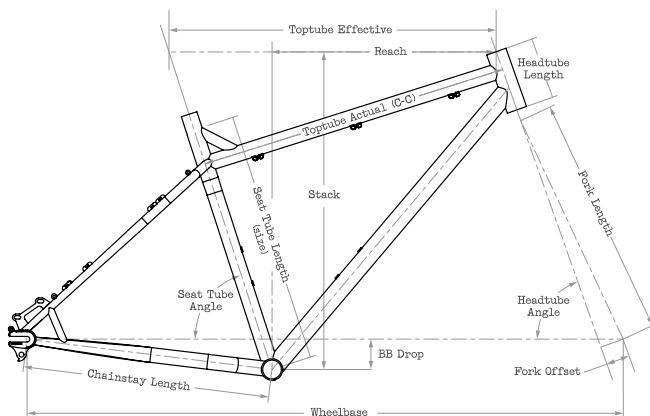
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
42cm	2.8	70.0	7.0	15.8	400.0	170.0
46cm	3.1	80.0	7.0	15.8	400.0	170.0
50cm	3.1	80.0	7.0	15.8	400.0	170.0
52cm	3.9	100.0	7.0	16.5	420.0	170.0
54cm	3.9	100.0	7.0	16.5	420.0	175.0
56cm	3.9	100.0	7.0	17.3	440.0	175.0
58cm	4.7	120.0	7.0	17.3	440.0	175.0
60cm	4.7	120.0	7.0	18.1	460.0	175.0
62cm	4.7	120.0	7.0	18.1	460.0	175.0

BIKE SPECIFICATIONS

Component	Geared	Singlespeed
Headset	Cane Creek 40	Cane Creek 40, 1-1/8". Black
Crankset	RSC6-217XR, 36/48t. Black	Andel 42t. Black
Bottom Bracket	Shimano UN-55 68 x 107mm	Shimano UN-55. Black
Brakes	Tektro cantilever CR720. Black	Avid SD-5, Black
Brake Levers	Tektro RL341 short reach on 42, 46 & 50mm frames. RL340 standard reach on all others	Avid FR5. Black
Rims	Alex Adventurer 700c. Double wall. 32h	Alex Adventurer 700c. Double wall. 32h
Hubs	Shimano HB-T610-L. QR. 32h. Black	Surly Ultra New. 100mm front, 135mm rear. Black
Tires	Kenda Slant 6. 700c x 35mm wire bead	Conti Tour RIDE 700c x 42mm. Wire bead w/o reflective strip
Shifters	Microshift bar-end. 2/3 x 9-speed, friction setting	It's a Singlespeed!
Front Derailleur	Shimano Sora FD-3500. Black	Nope
Rear Derailleur	Shimano RD-M591. Long cage. Black	None
Cog or Cogset	Shimano CS-HG509. 11-12-14-16-18-21-24-28-32t	17t. Shimano freewheel
Stem	Kalloy AS-008 26.0mm bar clamp. Aluminum, 4-bolt. Black	Kalloy AS-008. 31.8mm. Black
Handlebar	Salsa Bell Lap, Black	Salsa MotoAce, 31.8, Black
Saddle	Velo VL1353, Black w/CroMoly Rail	Velo VL1353, Black w/CroMoly Rail
Seatpost	Kalloy SP-342, 27.2mm. 300mm. Black	Kalloy SP-342, 27.2mm. 300mm. Black
Chain	SRAM PC-971, Silver	KMC X8
Extras	Surly stainless steel post clamp. 14g DT Swiss spokes. Some pretty sweet & comfy cork tape	Stainless Surly seatpost clamp, Love.

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

MOONLANDER FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
Small	16.0	406.4	21.9	555.2	22.6	575.0	70.5	73.0	2.4	60.0	17.7	450.0
Medium	18.0	457.2	22.5	570.8	23.4	595.5	70.5	73.0	2.4	60.0	17.7	450.0
Large	20.0	508.0	23.2	590.2	24.2	615.0	70.5	73.0	2.4	60.0	17.7	450.0
xLarge	22.0	558.8	23.9	607.3	24.8	630.0	70.5	73.0	2.4	60.0	17.7	450.0
xxLarge	22.0	558.8	24.4	620.6	25.4	645.0	70.5	73.0	2.4	60.0	17.7	450.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
Small	42.3	1073.4	30.4	771.1	4.3	110.0	17.6	447.0	1.7	43.0	22.8	580.1	15.7	397.7
Medium	43.1	1093.9	31.5	800.1	4.7	120.0	17.6	447.0	1.7	43.0	23.2	589.5	16.3	414.8
Large	43.9	1114.8	32.8	833.8	5.5	140.0	17.6	447.0	1.7	43.0	23.9	608.3	16.9	429.0
xLarge	44.5	1130.7	34.2	868.0	6.3	160.0	17.6	447.0	1.7	43.0	24.7	627.2	17.3	438.3
xxLarge	45.1	1146.4	34.4	875.0	6.9	175.0	17.6	447.0	1.7	43.0	25.2	641.3	17.7	448.9

All dimensions are preliminary and are subject to change.

*Standover height measured using a 26 x 4.7" tire measuring 762mm in diameter.

FRAME SPECIFICATIONS

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

Rear dropouts: Surly horizontal rear load, with derailleur hanger; 135mm O.L.D.; offset 28.0mm

Brake compatibility: 51mm IS disc mounts frame and fork. NOTE: Unlike Pugsley, Moonlander uses front caliper adapters for the front brake and rear caliper adapters for the rear brake

Braze-ons: Dual water bottle mounts, Surly Trip Guide full line guides for brake and derailleurs, fender and rack eyelets

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm (Surly stainless included)

Headset/Steertube: 1-1/8" threadless

Front derailleur clamp: Direct mount 28.6mm diameter (adapter included, Moonlander specific)

Bottom bracket shell: 100mm wide, standard English threading (1.37" x 24t)

Chaining clearance: 22/36t (NOTE: this is this specific to using a Surly offset double crank—use of other cranks may limit number and size of rings and may cause tire/chain rub!)

Tire clearance: 4.8" tires on 100mm rims. Hells yes

Fork: Tapered straight blade butted 4130 CroMoly. 51mm IS front disc mount. 135mm-spaced dropouts

Color: Titanium Sand

Hub Standard Measurement

Front 130 Front Spacing 19.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 18.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

MOONLANDER COMPLETE BIKE

COMPONENT SIZING

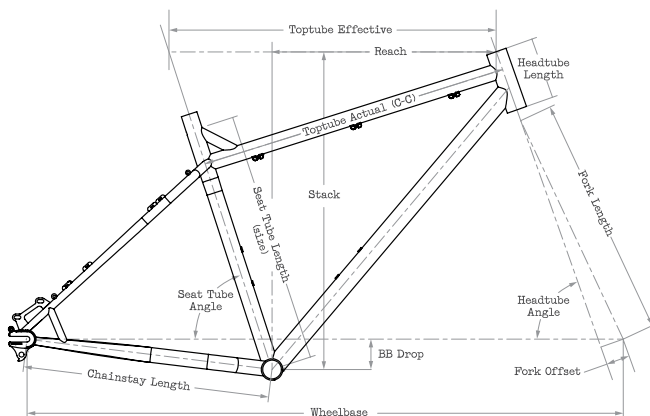
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
Small	3.5	90.0	7.0	27.6	700.0	170.0
Medium	3.9	100.0	7.0	29.5	750.0	175.0
Large	4.3	110.0	7.0	29.5	750.0	175.0
xLarge	4.3	110.0	7.0	29.5	750.0	175.0
xxLarge	4.7	120.0	7.0	29.5	750.0	180.0

BIKE SPECIFICATIONS

Component	Type	Description
Headset	Cane Creek 40	1-1/8" threadless. Black
Crankset	Surly O.D. 100mm	22/36t
Bottom Bracket	Surly Enduro	w/sleeve
Brakes	Avid BB7	Cable actuated. 180/160mm rotors front & rear
Brake Levers	Avid SD-1	Black
Rims	Surly Clown Shoe	Single wall aluminum. Welded seam w/cutouts. 100mm width. Black.
Front Hub	Surly New Disc 135mm	Disc. 32-hole. Black
Rear Hub	Shimano XT 135mm	756. Disc. 32-hole. Black
Front/Rear Tires	Surly Bud/Surly Lou	26 x 4.8". 120tpi. Ginormous
Shifters	Shimano SLX SA-109	3 x 9
Front Derailleur	Shimano SLX FD-676D	Problem Solvers direct mount adapter. Top-pull. Black
Rear Derailleur	Shimano Deore XT RDT780 SGS	Black
Cog or Cogset	Shimano SLX CS-HG81-10	10-speed 11-12-14-16-18-21-24-28-34t
Stem	Kalloy; AS025N	31.8mm. 7° rise. 4-bolt. Aluminum. Black
Handlebar	Salsa ProMoto 2	31.8mm. 11° bend. Black
Saddle	Velo VL2155	Steel rails. Black vinyl. Feels pretty o.k.
Seatpost	Kalloy SP-342	27.2mm. 350mm. Black
Chain	KMC x10RB	Silver
Extras		Surly stainless steel post clamp. 14g DT Swiss spokes

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

PUGSLEY & PUG OPS FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
xSmall	14.0	356.5	21.5	545.8	22.0	560.0	70.0	73.0	2.2	55.0	17.6	448.1
Small	16.0	406.4	21.8	554.3	22.9	580.9	70.5	72.0	2.2	55.0	17.6	448.1
Medium	18.0	457.2	22.3	566.5	23.4	595.6	70.5	72.0	2.2	55.0	17.6	448.1
Large	20.0	508.0	22.9	581.9	24.0	610.1	70.5	72.0	2.2	55.0	17.6	448.1
xLarge	22.0	558.8	23.6	600.0	24.6	625.0	70.5	72.0	2.2	55.0	17.6	448.1

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
xSmall	41.8	1061.6	28.9	734.9	3.7	95.0	17.6	447.0	1.7	43.0	22.0	558.9	15.3	387.7
Small	42.0	1067.4	29.9	758.7	4.0	102.0	17.6	447.0	1.7	43.0	22.3	567.5	15.6	395.6
Medium	42.6	1082.4	31.0	786.5	4.4	112.0	17.6	447.0	1.7	43.0	22.7	576.9	16.0	407.2
Large	43.2	1097.3	32.3	819.6	5.1	130.0	17.6	447.0	1.7	43.0	23.4	593.9	16.4	416.1
xLarge	43.8	1112.7	33.6	853.0	5.9	150.0	17.6	447.0	1.7	43.0	24.1	612.8	16.7	424.9

All dimensions are preliminary and are subject to change.

*Standover height measured using a 26 x 3.8" tire measuring 740mm in diameter.

FRAME SPECIFICATIONS

Tubing: Surly 4130 CroMoly steel. Main triangle double-butted. TIG-welded

Rear dropouts: Surly horizontal rear load, with derailleur hanger; 135mm O.L.D.; offset 17.5mm

Brake compatibility: 51mm IS disc mounts frame and fork. NOTE: PLEASE CHECK YOUR FORK SPECIFICATIONS FOR SPECIFIC BRAKE ADAPTOR REQUIREMENTS. SOME OF OUR FORKS USE REAR BRAKE ADAPTORS!

Braze-ons: Dual water bottle mounts, Surly Trip Guide full line guides for brake and derailleurs, fender and rack eyelets

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm (Surly stainless included)

Headset/Steertube: 1-1/8" threadless

Front derailleur clamp: High direct mount, (adaptor included)

Bottom bracket shell: 100mm wide, standard English threading (1.37" x 24t)

Chainring clearance: Compact triple: 22-32-44t (with 65mm rim)

Tire clearance: 3.8" on 82mm rims. Use of 82mm rims requires the use of Surly Mr. Whirly Offset Double crank, O.D.Crank or truncated cassette to avoid tire/chain rub. Standard mountain triple gearing will work with 65mm rims

Fork: 447mm axle to crown, tapered straight blade, 4130 CroMoly. 51mm IS disc mount. 135mm-spaced dropouts. 17.5mm offset fork available after market

Pugsley Color: Real Blew and Apathetic Black

Pug Ops Color: Canvas Green

Hub Standard Measurement

Front 100 Front Spacing 19.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 18.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

PUGSLEY & PUG OPS COMPLETE BIKE

COMPONENT SIZING

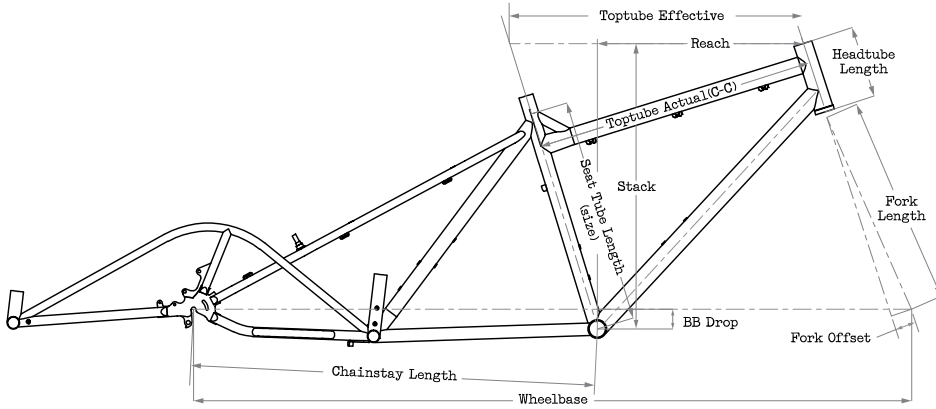
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
xSmall	3.5	90.0	7.0	27.6	700.0	170.0
Small	3.5	90.0	7.0	27.6	700.0	170.0
Medium	3.9	100.0	7.0	29.5	750.0	175.0
Large	4.3	110.0	7.0	29.5	750.0	175.0
xLarge	4.7	120.0	7.0	29.5	750.0	175.0

BIKE SPECIFICATIONS

Component	Pugsley	Pug Ops
Headset	Cane Creek 40	Cane Creek 40
Crankset	SRAM X5 100mm 36/22	Surly O.D. 36/22
Brakes	Avid BB7. G2CS 160mm rotors	Avid BB7. HSI 180/160mm rotors front & rear
Brake Levers	Avid FR-5	Avid FR-5
Rims	Surly Marge Lite	Surly Rolling Darryl, painted to match frame
Front Hub	Surly Ultra New	Surly Ultra New
Rear Hub	Shimano 529	Shimano 529
Tires	Surly Nate, 27tpi	Surly Nate, 120tpi
Shifters	Microshift SL-T09	Shimano SLX
Front Derailleur	Shimano SLX FD-616-D, Direct Mount	Shimano SLX FD-676D, Direct Mount
Rear Derailleur	Shimano M591 SGSL	Shimano LX RD-T670 SGS
Cog or Cogset	Shimano CS-HG61. 9-speed 11-32t	Shimano Deore CS-HG62 10-speed 11-34t
Stem	HL; 31.8mm 4-bolt	HL; 31.8mm 4-bolt
Handlebar	Salsa ProMoto 2. 11° bend.	Salsa ProMoto2. 11° bend.
Saddle	Velo VL2155	Velo VL2155
Seatpost	Kalloy SP-342 27.2 x 350mm	Kalloy SP-342 27.2 x 350mm
Chain	SRAM PC-971	KMC x10RB
Extras	Surly stainless steel post clamp. Surly toobs. DT Swiss Champion spokes	Surly stainless steel post clamp. Surly toobs. DT Swiss Champion spokes. 12mm brass nipples.

Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

BIG DUMMY FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
Small	16.0	406.4	21.7	550.6	22.6	573.5	72.0	73.0	1.6	40.0	32.6	827.0
Medium	18.0	457.2	22.4	570.1	23.5	596.1	72.0	73.0	1.6	40.0	32.6	827.0
Large	20.0	508.0	23.2	588.7	24.2	614.1	72.0	73.0	1.6	40.0	32.6	827.0
X-Large	22.0	558.8	24.0	609.6	24.9	631.8	72.0	73.0	1.6	40.0	32.6	827.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
Small	56.5	1435.9	29.1	740.4	5.2	131.7	16.7	425.0	1.7	43.0	22.3	566.5	15.7	399.6
Medium	57.4	1458.8	30.4	771.5	5.7	145.9	16.7	425.0	1.7	43.0	22.8	580.0	16.5	418.1
Large	58.1	1477.0	31.6	802.9	6.3	160.8	16.7	425.0	1.7	43.0	23.4	594.1	17.0	431.7
X-Large	58.9	1495.0	32.9	835.8	7.0	178.8	16.7	425.0	1.7	43.0	24.1	611.3	17.5	444.1

All dimensions are preliminary and are subject to change.

*Standover height measured using a 26 x 2.1" tire measuring 676mm in diameter.

FRAME SPECIFICATIONS

Tubing: Surly 4130 CroMoly steel. Main triangle double-buttet. TIG-welded cargo specific engineered for stiffness and durability

Rear dropouts: Vertical, 135mm spaced with fender eyelets; Rohloff compliant

Brake compatibility: 51mm disc mounts and removable cantilever pivots

Braze-ons: Quad water bottle mounts, Surly Trip Guides for continuous brake/shift housing or brake hydraulic line (toptube and seatstay routing), fender eyelets

Seatpost diameter: 27.2mm

Seatpost clamp: 30mm Surly stainless, included

Headset: 1-1/8" threadless

Front derailleurs: 28.6mm (1-1/8") clamp diameter, top-pull style

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

Tire clearance: 26 x 2.5" with fenders

Chainring clearance: No frame limitations. Use whatever you want

Fork: TIG-welded 4130 CroMoly, tapered and butted straight blade with single fender eyelet on the dropout, 1-1/8" x 260mm threadless steerer, 51mm IS disc mount, removable cantilever pivots, line/housing guides

Cargo Weight Limit: 400 lb combined rider and cargo. Max cargo 200 lb

Color: Asphalt Gray

Hub Standard Measurement

Front 100 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 18.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

BIG DUMMY COMPLETE BIKE

COMPONENT SIZING

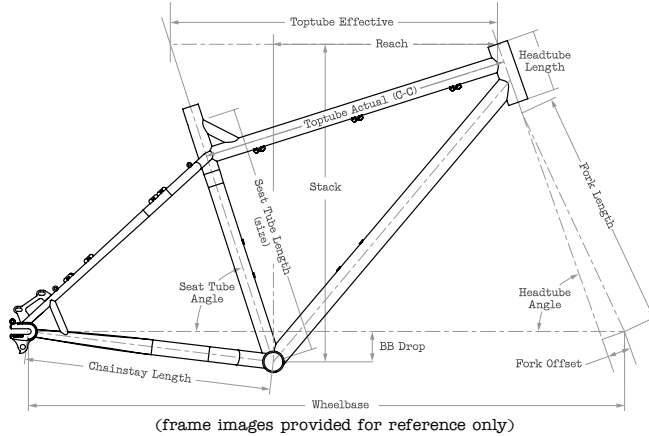
Size	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	inches	mm		inches	mm	
Small	3.5	90.0	7.0	26.0	660.0	170.0
Medium	3.9	100.0	7.0	26.0	660.0	175.0
Large	4.3	110.0	7.0	26.0	660.0	175.0
X-Large	4.7	120.0	7.0	26.0	660.0	175.0

BIKE SPECIFICATIONS

Component	Type	Description
Headset	Cane Creek 40	1-1/8" threadless. Black
Crankset	TruVativ FireX C3.1	Forged aluminum. 48-36-26t. Black
Bottom Bracket	68mm	Included
Brakes	Avid BB7	Cable actuated. 180mm rotors front & rear
Brake Levers	Avid FR-5	Black
Rims	Alex Adventurer	36h. Black w/machined sidewalls
Front & Rear Hubs	Shimano Deore M529	36h. Disc. Black
Tires	Continental Town & Country	26 x 2.1". Steel bead
Shifters	Shimano Deore M590	3 x 9-speed
Front Derailleur	Shimano Deore M591	Traditional style dual pull. 28.6mm clamp
Rear Derailleur	Shimano Deore	M591 SGS. Top-normal traditional
Cog or Cogset	Shimano HG-61	11-34t
Stem	Kalloy, AS-008	25.4mm bar clamp. Aluminum. 4-bolt. Black
Handlebar	Salsa MotoAce	660mm wide. 17°. Black
Saddle	WTB SST Comp	Steel rails. Black vinyl. Feels pretty o.k.
Seatpost	Kalloy SP-342	27.2mm. 350mm. Black
Chain	SRAM PC-971	9-speed
Extras		Surly stainless steel post clamp. 14g DT Swiss spokes

Standard one-leg kickstand included. More cargo accessories are available from Xtracycle. Visit them at Xtracycle.com
Fork steer tubes are uncut. Pedals not included. Specifications sometimes change. Cope.

IXI FRAME



(frame images provided for reference only)

FRAME GEOMETRY

Size	ST (C-T)		TT (C-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
xSmall	14.0	355.6	20.9	532.0	21.5	546.0	71.0	73.0	1.6	40.0	16.5	419.0
Small	16.0	406.4	21.6	549.0	22.5	571.0	71.0	73.0	1.6	40.0	16.5	419.0
Medium	18.0	457.5	22.4	570.0	23.5	596.0	71.0	73.0	1.6	40.0	16.5	419.0
Large	20.0	508.8	23.2	590.0	24.3	616.0	71.0	73.0	1.6	40.0	16.5	419.0
xLarge	22.0	558.8	23.9	608.3	24.8	631.0	71.0	73.0	1.6	40.0	16.5	419.0

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
xSmall	39.8	1011.9	28.2	717.0	3.5	90.0	17.8	453.0	1.6	40.0	21.7	551.0	14.8	376.5
Small	40.8	1037.3	29.3	745.0	3.9	100.0	17.8	453.0	1.6	40.0	22.1	560.5	15.7	398.6
Medium	41.8	1062.6	30.5	774.0	4.3	110.0	17.8	453.0	1.6	40.0	22.4	569.9	16.6	420.8
Large	42.6	1083.2	31.7	804.0	4.9	125.0	17.8	453.0	1.6	40.0	23.0	584.1	17.2	436.4
xLarge	43.3	1098.8	33.0	838.0	5.7	145.0	17.8	453.0	1.6	40.0	23.7	603.0	17.5	445.6

All dimensions are preliminary and are subject to change.

*Standover height measured using a 26 x 2.1" tire measuring 676mm in diameter.

FRAME SPECIFICATIONS

Tubing: 4130 CroMoly steel. Main triangle double-butted. 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: Room

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

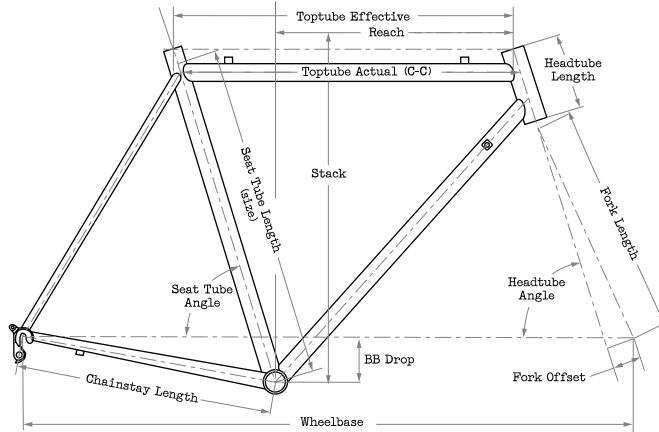
Color: Cash Black and limited colors

Hub Standard Measurement

Front 100 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 18.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

STEAMROLLER FRAME



FRAME GEOMETRY

Size	ST (C-T)		TT (G-C)		TT (Effective)		HT Angle degrees	ST Angle degrees	BB Drop		CS Length	
	inches	mm	inches	mm	inches	mm			inches	mm	inches	mm
49cm	19.3	490.0	20.7	526.5	20.8	529.5	72.5	74.5	2.8	70.0	15.7	398.0
53cm	20.9	530.0	21.5	547.0	21.5	547.0	73.0	74.0	2.8	70.0	15.7	398.0
56cm	22.0	560.0	22.4	568.0	22.4	568.0	73.5	73.5	2.8	70.0	15.7	398.0
59cm	23.2	590.0	23.1	587.0	23.1	587.0	74.0	73.0	2.8	70.0	15.7	398.0
62cm	24.4	620.0	23.9	608.0	23.9	608.0	74.0	73.0	2.8	70.0	15.7	398.0

All dimensions are preliminary and are subject to change.

**Measurements use tire with outer diameter of 682mm (700c x 28mm), and taken from middle of toptube to level ground.

Size	Wheel Base		S.O. Height*		HT Length		FK Length		FK Offset		Stack		Reach	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
49cm	38.0	965.7	29.5	748.5	3.3	83.0	14.8	375.0	1.5	38.0	19.9	504.9	15.3	388.1
53cm	38.1	966.6	30.7	780.5	4.3	109.0	14.8	375.0	1.5	38.0	20.9	531.3	15.5	394.0
56cm	38.5	978.6	31.8	807.9	5.4	136.0	14.8	375.0	1.5	38.0	22.0	558.8	15.8	402.3
59cm	38.9	987.6	32.9	835.2	6.4	163.0	14.8	375.0	1.5	38.0	23.1	586.4	16.1	408.2
62cm	39.7	1009.1	34.1	865.3	7.7	196.0	14.8	375.0	1.5	38.0	24.3	618.1	16.6	420.6

All dimensions subject to change.

*Measurements are calculated using a 700c x 41mm tire with a diameter of 682mm.

FRAME SPECIFICATIONS

Tubeing: Surly 4130 CroMoly steel. Main triangle is double-buttet. TIG-welded

Rear dropouts: Investment cast Surly track dropouts, 120mm spaced

Brake compatibility: Standard reach post-mount road calipers, but there are no stops for housing

Braze-ons: None, baby. Pure. OK, we put one set of water-bottle mounts on the seattube 'cause we're not camels

Seatpost diameter: 27.2mm

Seatpost clamp: 30.0mm Surly stainless, included

Headset: 1-1/8" threadless

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

Tire clearance: Room for tires up to 700c x 38mm. Individual tire and rim combos affect tire clearance, but figure on being able to use tires up to 32mm with fenders (p.s. use clip-on fenders)

Chainring clearance: Heavy manipulation of the chainstays gives room for a 50t ring while maintaining chainline. Track crank-compatible

Color: Zinc and limited colors

Hub Standard Measurement

Front 100 Front Spacing 10.5mm Rear 135 Rear Spacing 15.25mm Front 135 Rear Spacing 18.25mm

NOTE—Surly 135mm front hubs use "rear rotor spacing" for brake rotor placement and are not compatible with all fat bike forks. Check with the fork's manufacturer for compatibility

NOTES

THE END



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