

SURLY



Surly Bikes

2015 Catalog

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TAKE A PICTURE IT WILL LAST LONGER

So as we embark on our 16th model year here at Surly, one thing remains as true now as it ever was: the catalog you are about to read is the most up to date tool for experiencing the entire product line Surly offers. At least it was the most up to date tool the day we sent it off to the printer. Let's face it; it's nowhere near that now. There is a very good reason for that.

Things change. Change has been called the one universal constant (by some jerk). Change is the force that most people spend their whole lives fighting tooth and nail to keep from darkening their door and ruining their lives. Humans tend to favor safety and stability over all else. Change is a force that disrupts both of those things, so that every time humanity thinks it can take a breath, it's time to put its giant society sized pants back on and start all over again.

There are some folks out there who refer to Surly as innovators, and others still who call us overrated copycats and an evil marketing engine meant to brainwash as many folks as we/it can. While all of those things are completely true; the brainwashing, the innovations, the copycatting and our delicate feet they are only snippets of the bigger picture, and the biggest snippet of all is the way we embrace change.

We don't embrace change just because we're a bunch of Satano-Buddhists (not all of us), it's because we're all a bunch of bitchy whiners who are never really satisfied with anything. Those things that we aren't satisfied with (ones we love despite their short-comings), we want to be more satisfied with. We want them to be better. Some might call us perfectionists, but I really hate that word. It implies that the end result is perfection. To us there is no end result. It's a process, and any implication of perfection is the worst possible way to describe that process. Perfect we ain't. We screw things up all the time. Let me repeat that in different words. WE MAKE MISTAKES.

Case and point: this catalog. If you are reading this now, you should know that the most up to date information you can find on everything in this catalog, is on the website at surlybikes.com. Since the time the catalog was printed, delivered to us and to our distributors, delivered to bike shops, and then delivered to you lots of things have changed, and we've probably found a giant host of typos too. In that case we fixed it on the website, but are too lazy to go through every catalog with whiteout tape and ballpoint pen.

So why do we make a catalog? Isn't it just an outdated concept that will eventually go the way of the great tyrannosaur? Yes it is. But while we embrace change, we're not above fighting it just a little. We have our reasons for printing it and the best of them is to have a physical record of exactly what Surly was at this time and place. (Physical records are good, cuz after the downfall of our robot overlords when we revert to an analog state, we'll need little remnants like this to help us rebuild our society). That's what this is. It is the proverbial picture that we took so it would last longer in our brains than the mental image our slack-jawed staring produced.

Now you don't have to take a picture. Save this, for someday society will need to be rebuilt, and this is your tool my pupil. This is your tool.

ICE CREAM TRUCK & OPS

Witness the big fat funk that is our new Omniterra trail machine: The Ice Cream Truck. The Ice Cream Truck has the ability to float over pretty much anything you'll find out there be it snow, rocks, mud, sand, even small woodland creatures. But unlike our other, more terrain crawling fat bike models, the Ice Cream Truck's geometry is trail approved and ready to rip.

The Ice Cream Truck is made out of our own proprietary 4130 CroMoly steel and is ED coated. The ED (electrophoretic deposition) process leaves a coating that externally provides a solid foundation for paint while also providing an added layer of corrosion protection internally, however, we still recommend an additional treatment such as Frame Saver or Boeshield. Ice Cream Truck begins to differ from all of our other fat bike models from there.

The Ice Cream Truck frame is symmetrically spaced at 190mm. It features our Modular Dropout System (see page 29) so you have the option of running a 197mm thru-axle, 190mm geared or a singlespeed rear end. It also features a 132mm wide press-fit 41 bottom bracket. The new BB shell allowed us to move the stays out and create a much stiffer rear end. The frame is spec'd with a 44mm headtube to give you options in the fork department and comes with a suspension corrected straight blade fork with dropouts spaced at 150mm with a 15mm thru-axle.

When we designed the Ice Cream Truck we borrowed elements from the Krampus and Instigator geometries to make this bike feel frisky and limber. The complete build rounds out the Ice Cream Truck as an aggressive trail bomber. And with 4.8" tires on 100mm rims you have the option of going through instead of around anything in your path.

We're offering two build options for the Ice Cream Truck. The standard build comes with 100mm rims, 4.8" tires, hydraulic brakes and Shimano drive-train. The Ops level build switches out some of the Shimano parts for 10-speed Microshift thumb shifters, Nate 3.8" tires, Rolling Darryl rims and the always reliable cable actuated disc brake. Ice Cream Truck turns up the volume on fat bikes. You get all the float, traction and cushion in a package that begs for, and is supremely capable of, all types of trail hijinx.



OMNITERRA

THE MOONLANDER

What do you get when you get take a bunch of engineers that like fat bikes and can't leave well enough alone? Moonlander, that's what. Moonlander runs 4.8" tires on 100mm rims. Such a large footprint allows you to ride them at very low pressure, which (much the same as a snowshoe) enables unparalleled traction and float over all kinds of terrain...wet stuff, roots, rocks, pebbles, gravel, sand, and many types of snow. You know, into the river and across the trees type of terrain....

It's easy for us to say "traction, flotation, low air pressure, blah blah blah...." and that may or may not sound good to you when you hear us say it, but until you take one of these out and ride 75 miles of pristine beach on Lake Superior or take this bike on a two-track mudhole expedition with your pals, all that traction and flotation will just sound ok. To ride it is to love it. The whole idea of Moonlander was exploration and you will ride places you never thought you'd be able to ride a bicycle when this is the bicycle you are riding.

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 drive-train. The rear end is offset 28mm to allow the drive-train and wide tires to play nicely together. Moonlanders come with a centered fork, but there is the option for an offset fork if you're one of those types that think it's good to have the ability to swap wheels in the event of a drivetrain FUBAR situation.

The fork has a 51mm I.S. disc caliper mount, mid-blade eyelets and lower rack barrels for mounting a fender and rack (be prepared to flex DIY muscles, but the option is there).

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. Moonlander is the frame we came up with after realizing the Pugsley wasn't as far as we could take the concept of fatness. And if you can't take something to its most ridiculous extreme, why bother?



OMNITERRA

PUGSLEY & FRIENDS

By now you know that Pugsley was created to go where standard “all Terrain” bikes flounder. The flotation 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 derailleurs or an internally-geared hub. You can run a singlespeed freewheel or a fixed cog. The choice is yours. That's why we used 135mm hubs, options.

Pugsley is available as a frameset and as a complete bike. The rear end will accept tires up to 3.8" wide on rims up to 82mm wide. The fork will take up to 4.8" tires on 100mm rims and is non-offset. An offset Pugsley fork (with clearance for tires up to 3.8) is available and can be used in case you want to be able to swap front and rear wheels. The ability to swap wheels can be helpful if one was to find one's self stranded deep in the indifferent forest with a mechanical issue.

The standard Pugsley build sports a nice mix of components chosen for their durability and value. We've given it Nate 3.8" tires on 65mm rims, Microshift thumb shifters and Avid BB7 cable disc brakes.

The Pug Ops comes with a mix of SRAM X7 and X9 components and SRAM Guide RS brakes. The Pug Ops also ups the fatness with Nate 3.8", 60 tpi tires running on 82mm rims. This gives the tire a wider footprint, giving you more flotation and traction without drastically adding to overall wheel weight.

This year we've also added the option of Pugsley SS (singlespeed silly). The parts spec on this bike is what you'd expect to see on a singlespeed, picked because of its simplicity and radness. Knard 3.8" tires on 65mm rims are a versatile combo that will provide the same great float and traction of any fat bike without slowing you down on the hard stuff. Take the Pugsley SS and ride it at stuff as fast as you can, screaming. Charge the drifting snow late at night. Derby until you puke. The Pugsley SS demands this type of behavior. It is a singlespeed and it will not be denied.



OMNITERRA

Pg. 70-71
Frame &
Bike Specs

STRAGGLER 700c & 650b

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 and while it's true that the two are very similar, Straggler is slightly different.

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 drive-trains. They feature stop screws that thread in from the rear to further secure the wheel and to position the rear wheel for optimal shifting, plus a forward-mounted stop screw (for singlespeed applications) on the drive side to keep the wheel from slipping forward under the force of your gargantuan legs. 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 many but not all of the Cross-Check's braze-ons for fenders, racks and bottle cages. The Straggler's geometry is slightly different, with angles and tube lengths which are very close to but not identical to the Cross-Check, but like the Cross-Check it's 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.

The greatest feature of the Straggler is its versatility and this year we're also offering it in a 650b wheel size. 650b wheels were popular for a long time many years ago on 'Constructeur' style bicycles and we all know how real shit was back in the day.... The smaller wheel allows smaller riders to fit well on smaller frames, produces a stronger wheel, makes fitting big ass tires easier and are more agile than their larger counterparts. Regardless of which wheel size tickles your fancy, Straggler is a versatile machine that can take you anywhere you feel like riding.



PHAVEMENT



CROSS-CHECK

Fig. 76-77
Frame &
Bike Specs

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 it does a good job getting you across the country or across town too. It's at home on the road, trails, gravel, and 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 Surly 4130 CroMoly steel. It's built to work with components of popular sizes, meaning you can easily find parts, old or new. 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, 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. We've got two versions of the Cross-Check complete; a geared 2 x 10, with drop bars, V-brakes and traditional bar-end shifters. The other, a clean and simple singlespeed designed to highlight the versatility of the Cross-Check frame.

The singlespeed Cross-Check starts with the same lively, tough CroMoly Cross-Check frame and fork as the geared version, with

mounts for racks and fenders, front and rear, and two sets of water bottle cage bosses. It has the same semi-horizontal front loading dropouts of our own design too. We set up the singlespeed Cross-Check with a flat bar, 42/17t gearing and big, meaty tires. The parts are all tough, work well, and look good too. Either flavor, gears or singlespeed, it's a tried-and-true set up that has delivered many a cyclist to wherever they're headed.



PACER

Fig. 78-79
Frame &
Bike Specs

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. For years we sold the Pacer only as an understated frameset that didn't draw a lot of attention to itself, but it rode great and people who rode one loved it. Why wouldn't they? A nice steel road bike just makes sense. If you don't believe me, just call the Intergalactic

Headquarters and ask for our friend Vern.

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. It's lively while climbing, and descends with equal agility. It's comfy too.

The clearance for tires up to 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. 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. It doesn't have a lot of bells and

whistles, but it doesn't really need them. Add water bottle cages and fenders if you like, then get out and ride.

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, getting ridden hard day in and day out.



STEAMROLLER

Pg. 98
Frame
Specs

Forged on the frost ravaged streets of Minneapolis; the Steamroller is a fixed gear ready for the daily grind. Its geometry is closer to that of a road bike than a true track bike which, when combined with double butted Surly 4130 CroMoly steel tubing, adds up to a frame with a lively, resilient ride. This isn't a wanna-be track bike. It's a bike that handles whatever you may run into 'out there.' It's the kind of bike you don't have to be

afraid of taking off the beaten track. It can handle anything from late night back alley bombing to urban trails to pot-holed streets or whathaveyou. We sell it as a frameset. Use a track crank or a road crank. It's got room for tires up to about 38mm because big tires never hurt anyone. 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 speed.



TRAVELERS CHECK

Pg. 76-77
Frame
Specs

The Traveler's Check is essentially a Cross-Check with couplers designed to allow the user to easily disassemble their bike and fit it inside a piece of luggage that adheres to most airline's standards for what makes a "regular" size bag.

The motivation for producing a frame suited for travel sprung from personal experience. We've traveled with our bikes plenty and wanted something easier to haul around. Folders are OK, but we

wanted a normal bike, something ready for whatever terrain is beneath the wheels. In order to fit your bike into a travel case, you'll have to do a fair amount of disassembly. It can be a puzzle—especially the first time. What we're saying is that there is a minimum level of knowledge required to use a frame like this. Be sure and visit S&S Machine's web site (sandsmachine.com) for care, feeding and packing instructions.



ECR

Fig. 80-81
Frame &
Bike Specs

Attention bike camp/exploration nerds! Are you sitting down? Behold the 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.

ECR can run racks, fenders and disc brakes simultaneously. It's compatible with singlespeed, full derailleur and IGH drive-trains (it even features a dedicated Rohloff torque arm mount). ECR has

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, anything really.... It takes standard 1-1/8" (34mm) headsets and regular mountain bike hubs (100mm front and 135mm rear). All 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 but this will interfere

with your cargo carrying capacity and with your ability to run a 3" tire on a 50mm rim.

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. The tires even add a bit of low-tech but effective suspension. The approach angle of a 31" (outside diameter.) tire combined with the

extra traction and float of high volume rubber make this bike extremely capable of going lots of places, from roads to trail to little-traveled back country.

While ECR borrows from many other bikes in our line, it is its own animal, with geometry, features and components all chosen to get you over any road, perfect or abandoned. It's a pack mule without doubt. Where ever you want to explore, this is the bike that can get you there.



TROLL

Fig. 82-83
Frame &
Bike Specs

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. We've built the Troll to not only go to places that other mountain bikes go, but you can take all your gear with you as well. Now that's value! The frame has ample clearance for 28/38/50t mountain triple chainrings and room for 26 x 2.75" tires. The gusseted front triangle, with its sloping toptube,

provides generous standover clearance even when running high-volume rubber.

Build this frame with a 100mm travel suspension fork, or roll the 4130 CroMoly Troll fork. The stock fork is sepc'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. Nuts. The dropout design allows the simultaneous use of a rack, fender and disc brake. We include canti pivots as well. 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 drive-train. 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.



OGRE

Fig. 84-85
Frame &
Bike Specs

This is Ogre, Troll's big wheeled cohort. Troll and Ogre offer the same ability to accommodate a wide array of drive-trains, 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, or just riding around.

Ogre features mounts for linear pull and disc brakes, five bottle cage mounts, ample room for tires up to 2.5" wide and housing guides designed to cleanly organize full shift and brake housing. Ogre comes with our suspension-corrected (80mm) fork with threaded mounts for fenders, anything cage and a rack. Like the Troll, Ogre can run fenders, disc brakes and racks all at the same time. Now that's saying something.

The frame is spaced for 135mm hubs, with the same rear-loading horizontal dropouts as the Troll and features a derailleur hanger, slotted disc brake mounts, M10 x 1mm threaded trailer-mounting holes, and a dedicated Rohloff OEM2 axle plate anchor. That's right, you can run singlespeed, IGH, or standard derailleur drive-trains with disc or rim brakes, with or without racks and fenders, with new or old parts, whatever best serves you.

If you're like us, your bike needs change at regular intervals. Ride Ogre to the office in the morning, rip some local single-track after work, fill your trailer with groceries on the weekend or tour that stretch of grown over double track. With Ogre, you can do that.



LONG HAUL TRUCKER

Fig. 86-89
Frame &
Bike Specs

Over the years our Long Haul Trucker has developed a devoted following. People 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 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 clearance for large tires 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. 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? Let us know how that turns out.

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 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 for you can mount racks and carry your stuff. Go somewhere. Do something. Ride a Long Haul Trucker.



DISC TRUCKER

Fig. 86-89
Frame &
Bike Specs

Our Long Haul Trucker enjoys a reputation as one of the best riding and most value-packed touring bikes out there. Its' 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. Enter the Disc Trucker. 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 disc brakes, 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 3 x 9 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 756 hubs with 6-bolt rotor mounts that 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. 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



WORLD TROLLER

Pg. 82-83
Frame
Specs

Those familiar with the standard Troll frame know that you can put anything on it you want. Disc brakes? Yep. Linear pull or cantilever brakes? Indeed. Racks, disc brakes and fenders all at once, both front and rear? Totally. The point is that the World Troller can do everything the standard Troll frame can, plus it'll bust in half via two S&S Machine couplers so you can fit it in an airline approved travel case, potentially costing you less (make

sure to check with your airline). We do advise that to properly make use of the option this frame provides, a certain level of mechanical aptitude is required.

The 26" wheels of the World Troller have some advantages. 26" wheels are strong, can be easier to find parts and tires for in many places around the world and pack more easily because of their smaller size. Buy a one-way ticket to anywhere and ride your ass back home.

DIY SHOWCASE

We try to provide amazing customer service to the people that buy our stuff. One of the requests our customer service people field on a daily basis is for stickers. What we've decided to do this year is not just put a sticker in the catalog, but teach you all to fish and learn you how to make your own Surly stickers in 26 easy steps. Let's get started!!!

1. Set your alarm clock for 4:45 A.M., then destroy it with a hammer
2. Drink 4.2oz. of apple cider vinegar
3. Close all the windows in your house
4. Watch an episode of Friends
5. Brew no less than 12 gallons of coffee
6. Clean up that uni-brow
7. If you have a dog, pet your dog. If you don't have a dog, go to a crowded place and talk to yourself for 20 minutes
8. Eat the lint in your pockets. If your pockets are lint free, return to step one
9. Wrap your entire head and right middle and ring fingers in tin foil
10. Put your right shoe on your left foot
11. Throw your left shoe into the street
12. Unplug anything that is plugged in
13. Take everything out of your refrigerator
14. Rub some gravel in your hair
15. Place Band Aids in an easily accessible area
16. Fill all the sinks in the house with Boones Farm
17. Power your cell phone off and on 3 times while humming the theme from the A-Team
18. Put a taco in your right pocket and a can of tuna fish in your left pocket
19. Turn any framed photographs of yourself upside down
20. Draw a pentagram on the floor, stand in it on a filled out job application for Pizza Hut
21. Go drop off that job application you filled out, good luck*
22. Any musical instruments you may own should be buried in your neighbors front yard
23. Check yourself for ticks
24. Cut along the dotted line
25. Apply glue to the back of the sticker
26. Stick it on whatever you want

*If you get that gig working at Pizza Hut, let us know and we'll send you a sticker. You'll probably be too busy workin' to finish this project.



TURN ON, TUNE IN, DROPOUTS

TRACK

Elegant and simple. Our 10mm Track Ends embody the bikes upon which they reside; the 1x1 and Steamroller. Oldies, but still goodies.

VERTICAL

The Dropout people are most familiar with...that we don't use much. Put the wheel in and go for a ride. Kick ass. We spec this type of dropout on Pacer, Long Haul Trucker, Disc Trucker and Big Dummy.

TRACK END W/HANGER

Originally developed for the Karate Monkey frame, our track end w/hanger offers added versatility to all Moonlander, Pugsley, and OG Karate Monkey frames. For when single-speeding just gets too hard...

FRONT LOADING SEMI-HORIZONTAL

Our semi-horizontal dropouts are cast steel and tough as nails. Adjust your wheel position for optimal shifting or to increase tire clearance. You'll find these on Cross-Check and Traveler's Check.

TROLL

If you need to use a trailer, fenders, racks and disc brakes all at once look no further. Our touring dropouts keep everything playing together in harmony on the ECR, Troll, Ogre and World Troller.

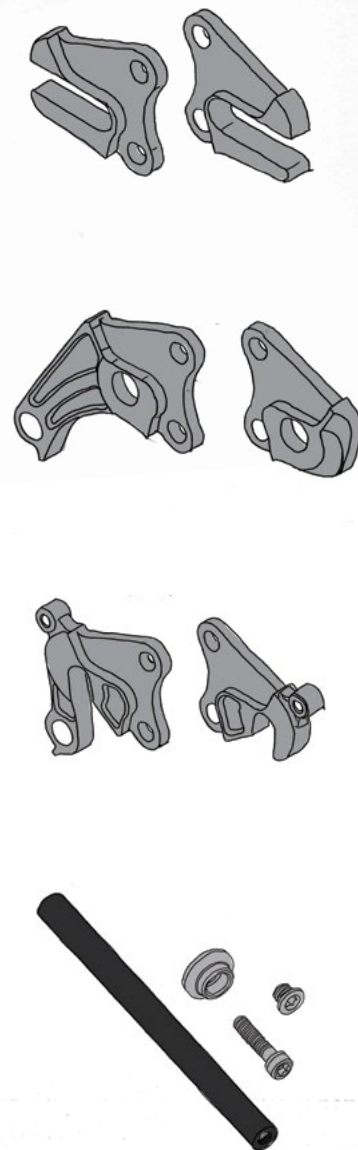
STRAGGLER

Purpose built for the bike that bears the same name, our Straggler dropouts give you the ability to position your wheel or tension your chain optimally for geared or singlespeed setups.



MDS

Despite the fact that many of us at Surly Bikes are very nihilistic, we do value some things. Our Modular Dropout System (MDS) does a good job of showing that, when it comes to versatility and utility, Surly cares a lot. When you get an MDS frame you're getting the option to set it up however you want. You can run a 142 x 12mm thru-axle rear end with a direct mount Shimano hanger, standard 135mm QR or The Mighty Singlespeed. The way this will work is that our complete bikes that feature the Modular Dropout System will ship with whatever chip is compatible with the derailleur spec. For instance, the complete Instigator 2.0 ships with the 142 x 12mm thru-axle Shimano chip. If you want to change it to a singlespeed later, (and why wouldn't you?) all you have to do is get the SS chip. Frames will ship with all three MDS chips so pick your poison. The 142 x 12mm and 135mm QR chips are made of cast and machined 6061-T6 aluminum and the Mighty Singlespeed chip is 304 Stainless Steel, because the two words 'aluminum' and 'singlespeed' should never be too close to each other. Bad shit can happen.... As you can see, the MDS gives you not just different build options, it lets you use a more varied selection of parts for your frame up builds. The Modular Dropout System is featured on most of our trail bikes. That's right, Krampus Ops, Karate Monkey Ops, Instigator 2.0 and Ice Cream Truck frames all sport these puppies. See, we really do care a lot.



MEET THE KARATE MONKEYS

The Karate Monkey was one of the very 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 toptube slopes, keeping the headtube up for good fit and to allow the use of an 100mm suspension fork while supplying good standover clearance for your little friend.

The frame and fork are made of Surly 4130 CroMoly steel and delivers a resilient, lively ride, yet it's durable too. On the singlespeed version, horizontal rear-loading dropouts have a derailleur hanger so you can run derailleurs or singlespeed drive-trains. It runs disc brakes, and has clearance for rotors up to 200mm. Tires up to 2.5" will fit. Bitchin'.

Over the years we noticed that a lot of people were building up Karate Monkey frames with gears and suspension forks to make their bikes all the more trail approved, so this year we also bring to you the Karate Monkey Ops. At the heart of the Ops build is the same Karate Monkey frame that has brought joy to so many of us, but with the addition of our MDS dropout system (see page 29), a 44mm headtube, Shimano drive-train and a nice suspension fork. Our Modular Dropout System allows the use of 142 x 12mm thru-axle, 135mm QR or singlespeed rear ends. The 44mm headtube allows the use of either straight or tapered steerer tube forks, while the suspension fork keeps your front wheel planted and pointing towards glory.

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.



THE KRAMPUS'

Krampus is (to us) the natural evolution of the 29er and not a fatbike at all. True, it has bigger-than-usual-tires. 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 a 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.

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, which is why we've brought in an Ops build for the Krampus this year as well.

The "Ops" in Ops 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 a bit differently to offer the user "optional" utility. The Krampus Ops comes with a Surly OD crank, with a single front ring, giving you more drive-train options. The Krampus Ops also features our Modular Dropout System (MDS see page 29), allowing you to change up your drive-train according to your needs. Frames ship with MDS dropouts in singlespeed, standard vertical with derailleur hanger and 142 x 12mm thru-axle versions. Again, with all these options how will you ever get out of your house? You'll manage.

Hub spacing is standard 100mm front and 135mm rear, with rear-loading horizontal dropouts that accommodate a derailleur or singlespeed drive-trains. It has clearance for 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 Surly O.D. 2x crank...a triple simply won't clear the tire. 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.



Fig. 92-93
Frame &
Bike Specs



INSTIGATOR 2.0

Fig. 94-95
Frame &
Bike Specs

Last summer two of us took Instigators into the wilds of Snow Basin, UT. Ben and Trevor rode up the mountain then down the mountain. Somewhere near the bottom, Ben started thinking he was a better mountain biker than he actually is and decided to initiate launch sequence.... Later, Ben was seen limping with his bike back down the mountain to find a bag of ice for his leg. Instigator 2.0 is that kind of bike. It says you can do and land things

you might not actually be able to. Simply put, it's a confidence-inspiring ride that will make you want to go down hill and do cool shit, so be careful. Or if you're like Ben, don't.

Instigator 2.0 is what we call 26+, designed to run 26" Rabbit Hole Rims. At 50mm they're much wider than a standard MTB rim and paired with our 2.75" Dirt Wizard tires the overall diameter is about 27.5" (roughly 650b). All this means you

get loads of traction and cushion yet can still accelerate like mad. The toptube is long and the wheelbase short, with a nice front/rear balance.

Instigator 2.0 employs a 44mm headtube, which provides a stiff front end and compatibility with lots of suspension forks. The rear end uses our Modular Dropout System (see page 29), allowing you to set up your drive-train according to your needs; singlespeed, 135mm QR

w/derailleur hanger and 142 x 12mm thru-axle, you pick. Stock build comes with a Fox 32 fork with 140mm of travel and Shimano SLX drive-train and brakes (180f/160r), all on a Trans Am Gold frame. Bad Ass.

SURLY & TECHNOLOGY



1X1

Pg. 99
Frame
Specs

Dig the 1x1. The bike that started it all. It was designed for 26" wheels, big tires (room for 2.75"), and single cog/ring drive-trains. Run it with a freewheel, a fixed cog or if you like, an internal gear hub.

The 1x1 is made of Surly 4130 CroMoly tubing of our own design, with a custom double-buttet main triangle and triple-buttet fork blades for a tough yet responsive, lively ride. The geometry

is pretty straightforward...it rides like a mountain bike. It's got 51mm I.S. disc caliper mounts. The fork can be replaced with a 100mm travel suspension fork.

We know 26" wheels aren't as popular as they once were but 26" is still a capable wheel size. The 1x1 handles well because of it and it can be built up hundreds of different ways. Ahh the 1x1...you never forget your first.

Over the years we've been called a lot of names; innovators, singlespeeders, luddites, drunks.... It's a pretty long list if you really scour the Internet. And while it's strange to see that we have been accused of both innovation and luddism at different points in time, in a way it makes a lot of sense. While it's hard to deny our sometimes technophobic leanings, we like to think we take a pretty common-sense view of the world at large, including technology.

We are by no means against innovation, variation or technology. We believe in the ability of technology to enhance the riding experience, but we don't subscribe to the idea that all new things are good things...like full-suspension or carbon fiber, for instance. But one thing we do like is refinement. Our engineers are constantly looking towards process improvements that make our stuff more durable, lighter, stronger, whathaveyou, without making ride quality suffer.

Sometimes the world forces you to adapt, other times you make the world adapt to you. A great example of the former is our use of 44mm headtubes. Some years ago, the fork producing world decided they would bring into the world, forks with tapered steerertubes. This was a good thing. Forks became stronger, stiffer and all the other words the bicycle industry likes to throw around. As more companies began producing forks with tapered steerertubes. We figured it would be good technology to adopt so the people that ride certain Surly bikes have the option of using these forks as well as the forks they have been using or maybe have sitting around in their garage. If history is any indication, this was a smart move on our part. No one really moaned too hard when we stopped putting 1" threaded forks on the Cross-Check or Steamroller, am I right?

But it's not just us getting dragged towards the future kicking and screaming. When we see opportunities to improve upon our design, it's never a question if we act on them. The Ice Cream Truck, with its Press-Fit 41 bottom bracket is a perfect example. As the enginerds pushed up their glasses and sanitized their pocket protectors in preparation for designing this frame, it was learned that moving the stays as far out as possible would yield a stiffer, stronger frame. Using a wider shell that accepted press-fit cups as opposed to thread in ones that couldn't double as bottom bracket shell welding real estate seemed to be a no-brainer. Thus our PF41 bottom bracket was born.

If you're seeing a pattern in our decision making process of us being all for technology that will enhance the durability and value of our stuff, you'd be correct. We like improvement, not masturbatory human technological advancement. You can power a blender with gasoline if you want, but all that means is you'll be burning fossil fuel when you make a Margarita. No one wants that.



BIG DUMMY & CARGO KIT

Fig. 96-97
Frame &
Bike Specs

It used to be that if you wanted to ride your bike to a park, grill hot dogs and drink cheap beer with your pals, you had to hope beyond hope that there was already a grill in the park. Those sure were the dark ages weren't they? Now, with the Big Dummy you can carry Grandma's Weber Pot, a cooler filled with cheap beer, charcoal, a badminton net, your friend's rock collection to have as a conversation piece and a stereo to drown out the boring

sounds of people talking about a rock collection. Sounds like a real rager.

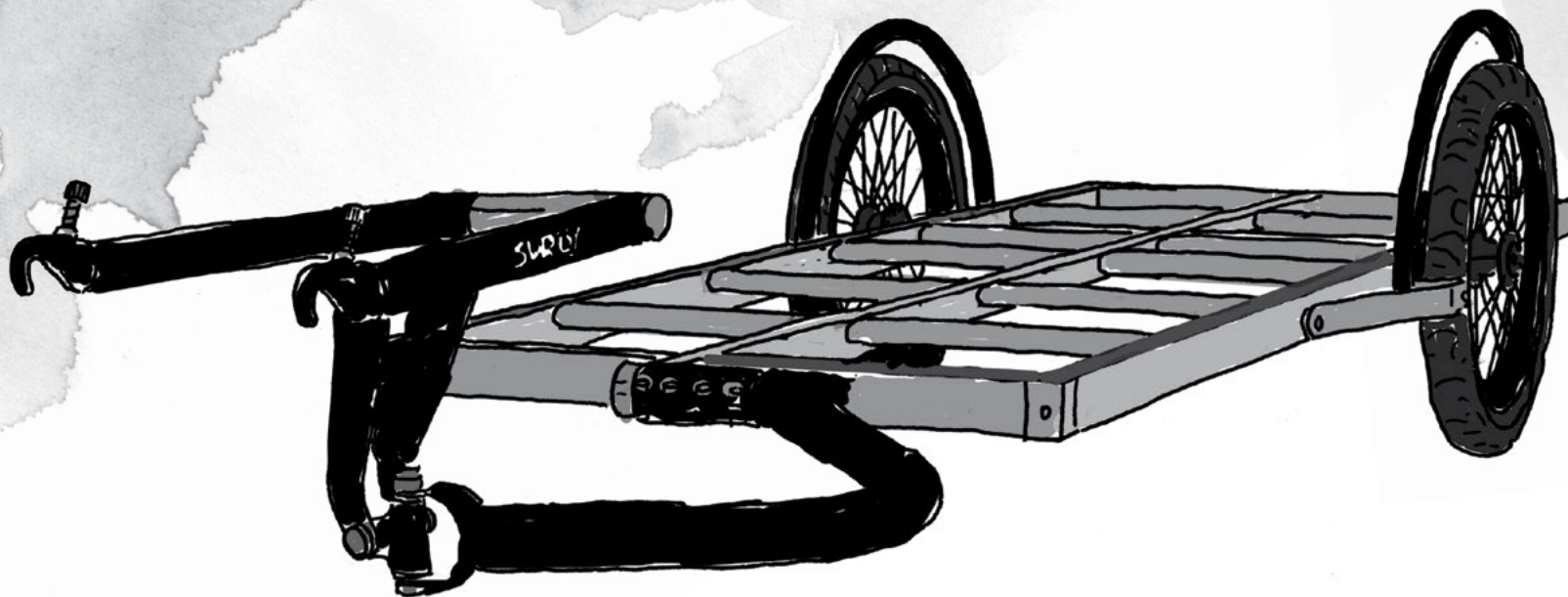
Our Big Dummy comes with the Surly Dummy Cargo kit, meaning you get our Dummy Deck, Rails, and Bags. The Big Dummy, as an entire system, is built around the Longtail Design Platform, meaning Xtracycle or Surly accessories are compatible, or build your own to meet whatever hauling needs you have. Being a single-piece frame it's more stout and

resistant to flex, making it very durable. You can say the same for our Cargo Kit. With an aluminum deck shot full of holes for gear lashing and rails that bolt together, it creates a stiffer system as a whole. The Dummy Bags polish off the package and are chocked full of features, from the use of specific fabrics in specific places for specific reasons (heavy fabric for heavy wear spots, tarp fabric to keep stuff dry, replaceable wear patches and

so on), to rain flaps, to internal pockets, all the way down to the stainless steel drain hole grommets. These bags are nice. They keep weather out, are durable as all hell and they swallow cargo with the greatest of ease. We also sell the Cargo kit separately in the event that you want to upgrade your longtail platform bike with our stuff. Head to surlybikes.com to check out Big Dummy and our Longtail Platform Dummy Cargo Kits.

BILL & TED TRAILER*

***HITCH SOLD SEPARATELY**



Pg. 100
for
Trailer Specs

There are quite a few options these days for trailers. Trailers are nice because they can be detached when not in use, but most can't haul much weight and the ones that do suffer from design drawbacks such as incompatibility with many kinds of bikes. We make two bed lengths so you can find one that suits your needs. Bill is the long bed, Ted, the short (shorter name, shorter trailer, right?). The beds and hitch, constructed mainly of 4130 CroMoly steel,

are durable and the perfect material for this application. The beds have threaded eyelets for bolting on custom accessories using readily accessible materials from your local hardware store.

The wheels are 16" in diameter for strength and keeping cargo low to the ground. The wheels run on hubs of our own design to meet the requirements of this frame. They are stout and designed specifically for their purpose. We made

the hitch as universal as possible. It doesn't clamp to the bike's frame tubes, but attaches via proprietary axle skewer or thread-on axle nuts. The hitch will work with full-suspension frames, disc brakes, racks and fenders and adjusts to accommodate hub widths from 120–145mm. It also allows you to align the center of the trailer to the center of the bike. The hitch can fit wheels from 20–29" + wheels.

There are some things to learn about using a trailer like this to haul stuff. Learning to load it right gets important as cargo weight increases. Load it over the axles, and keep it balanced. Finally, we do not recommend carrying people or furry friends on Surly trailers. While fun, someone could get hurt and that's no fun at all. Get a Ted to haul the groceries, or buy a Bill and start a grocery delivery business, Bill & Ted can shoulder the burden.

BILL & TED ACCESSORIES

HITCHES

Before we get too far into this, we must point out that our hitches are sold separately from our trailer beds. Underlining this fact should save you from finding out the hard way. With that out of the way, we can get down to the meat of our hitches. We make two different ones, a standard hitch and our Dummy Hitch, for use with the Big Dummy. There's not a lot to say about the Dummy Hitch other than that it works with the Big Dummy and will increase your cargo capacity to the point of insanity. Cool.

The standard Bill & Ted Hitch was made to be as universal as possible and works with many different types of bikes, wheels 20-29" (yes, Knards on 50mm Rabbit Hole rims) and hubs from 120-145mm wide, all while keeping your load balanced and close to the ground. The hitch uses a U-joint to securely fix the trailer to your bike while allowing them to move somewhat independently of each other. It's made of CroMoly and Stainless tubing and is easy to connect. Overall, a class act.



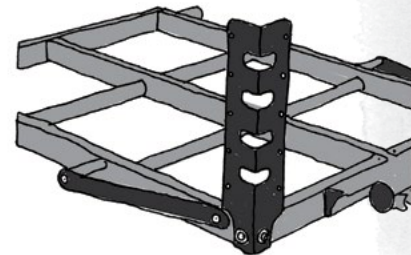
DUMMY HITCH



REGULAR HITCH

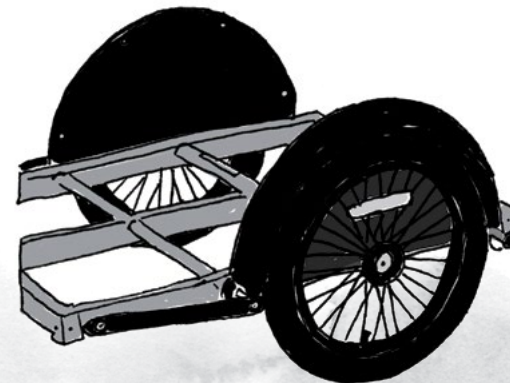
BILL & TED CORNER STAKES

These corner stakes are designed to mount easily to your Bill or Ted trailer. Install them and then add planks, plywood, dinosaur femurs, paneling from your parent's basement or simply install only the stakes to keep large and long items in place. They feature multiple wall mounting-hole locations to accommodate whatever material you're using as well as multiple tie-down location to lash cargo to the bed or in the box. Sold as a set of 4. Blacques, Jacques



FENDERS & WHEEL GUARD KITS

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



FORKS

BRAZED & LUGGED CROWN FORKS

Forged in the fiery furnace of hell from our own Surly 'Natch 4130 CroMoly, we build our lugged crown forks with the same "purpose-built" philosophy we apply to our frames. We select each tube to provide the best ride characteristics for its intended use. Our forks are designed to provide as much versatility and value as possible. We've re-designed our crowns so they're stronger and prettier. We also provide crown, mid- and low-blade eyelets to make rack and fender installation much less of a pain in the ass than it normally is, but let's face it, it'll always be a pain in the ass.... Head to surlybikes.com to get the low-down on all of our different lugged crown fork models.



UNI-CROWN

Uni-crown forks are a little different from Brazed and Lugged Crown forks in that instead of having two fork blades inserted into a metal crown which are then brazed into place, Uni-crown forks have two fork blades that are bent in towards and welded to the fork crown. This method of construction allows for a much greater diversity in tubing choice, fork design and ride tuneability. And you know what that translates to for you...versatility. For this reason, we put Uni-crown forks on most of our more off-road slanted models. Our Uni-crown forks are made from the same 4130 Surly CroMoly steel as our frames and feature the same wealth of braze-ons for racks, fenders, water and gear cages that our Lugged Crown forks do. Head to surlybikes.com to get the specifics.



BRAZED & LUGGED CROWN FORKS

Features	LHT 26"	LHT 700c	Straggler	Cross-Check	Pacer	Steamroller
Steerer length	See Note†	350mm	350mm	300mm	300mm	300mm
Steerer diameter	1-1/8"	1-1/8"	1-1/8"	1-1/8" & 1"	1-1/8"	1-1/8" & 1"
Axle-to-crown	376mm	390mm	400mm	400mm	371mm	375 & 368mm
Offset	45mm	45mm	44mm	44mm	45 & 50mm	38mm
Hub spacing	100mm	100mm	100mm	100mm	100mm	100mm
Tire clearance	26 x 2.1"	700c x 45mm	700c x 45mm	700c x 41mm	700c x 35mm (w/o fenders)	700c x 32mm
Brake	Canti/ Linear/Disc	Canti/ Linear/Disc	Disc	Canti/ Linear	47-57mm Reach Caliper	47-57mm Reach Caliper
Bottle mounts	No	No	No	No	No	No
Weight	2.1 lb (0.97kg)	2.3 lb (1.0kg)	2.5 lb (1.15kg)	2.6 lb† (1.2kg)	2.2 lb (1.0kg)	2.2 lb†† (1.0kg)

All fork weights are listed uncut, straight steerer
† 42-54cm frames = 300mm, 56-62cm frames = 400mm
‡ 1" weight, 2.1 lb (0.97kg)
†† 1" weight, 1.9 lb (0.9kg)

UNI-CROWN FORKS

Features	ECR	Ogre	Troll	Karate Monkey
Steerer length	260mm	260mm	260mm	260mm
Steerer diameter	1-1/8"	1-1/8"	1-1/8"	1-1/8"
Axle-to-crown	468mm	468mm	453mm	468mm
Offset	47mm	43mm	40mm	43mm
Hub spacing	100mm	100mm	100mm	100mm
Tire clearance	29 x 3.0"	29 x 3.0"	26 x 3.0"	29 x 3.0"
Brake	Disc	Canti/Linear/Disc	Canti/Linear/Disc	Canti/Linear/Disc
Bottle mounts	Yes	Yes	Yes	No
Weight	3.1 lb (1.4kg)	3.1 lb (1.4kg)	3.1 lb (1.4kg)	2.6 lb (1.2kg)

Features	Krampus	1X1	1X1	Instigator 1.0
Steerer length	260mm	260mm	260mm	260mm
Steerer diameter	1-1/8"	1-1/8"	1-1/8"	1-1/8"
Axle-to-crown	483mm	413mm	453mm	447mm
Offset	47mm	45mm	40mm	43mm
Hub spacing	100mm	100mm	100mm	100mm
Tire clearance	29 x 3.0"	26 x 3.0"	26 x 3.0"	26 x 3.0"
Brake	Disc	Canti/Linear/Disc & Canti/Linear	Canti/Linear/Disc & Disc Only	Canti/Linear/Disc
Bottle mounts	Yes, No (two models)	No	No	No
Weight	2.5 lb (1.14kg)	2.34 lb (1.06kg)†	2.8 lb (1.3kg)	3.1 lb (1.4kg)

Features	Moonlander‡	Pugsley††	Ice Cream Truck‡‡	Big Dummy
Steerer length	260mm	260mm	260mm	260mm
Steerer diameter	1-1/8"	1-1/8"	1-1/8"	1-1/8"
Axle-to-crown	447mm	447mm	483mm	425mm
Offset	43mm	43mm	47mm	40mm
Hub spacing	135mm	100 & 135mm	150mm & 135mm	100mm
Tire clearance	26 x 5.0"	26 x 3.8"	150 = 26 x 5.25" 135 = 26 x 5.0"	26 x 3.0"
Brake	Disc	Disc	Disc	Canti/Linear/Disc
Bottle mounts	Yes	No	Yes	Yes
Weight	3.1 lb (1.4kg)	2.6 lb (1.2kg)	2.6 lb (1.2kg)	

All fork weights are listed uncut, straight steerer
† Weight listed is disc, canti weight = 2.24 lb (1.01kg)
‡ Available in On-Center and Off-Center Models
†† Pugsley available in On-Center 100mm hub spacing or Off-Center 135mm hub spacing
‡‡ Ice Cream Truck available in centered 150 x 15mm thru-axle, centered or 135x 10mm, QR

TIRES

DIRT WIZARD



The Dirt Wizard features an aggressive tread focused on traction and control in loose and varied terrain. It is designed to run on 50mm Rabbit Hole rims, is big as all hell and comes in 26 x 2.75" and 29 x 3.0" sizes, in 27 and 120 tpi casings. Conjure the Earth Elemental.

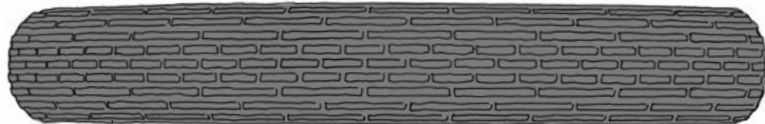
26+

Bead seat diameter: 559mm (fits rims 35-65mm)
Casing: 120 tpi, with Kevlar bead (850g)
27 tpi wire bead (1070g)

29+

Bead seat diameter: 622mm (fits rims 35-50mm)
Casing: 120 tpi with Kevlar bead (TBD)
27 tpi wire bead (TBD)

BLACK FLOYD



For when you want to let the fat bike stretch its legs and run a bit. Black Floyd is a slick tread tire with low profile 'bricks.' Naturally, it's designed for street use and we recommend using it with either a 50mm or 65mm rim. Black Floyd comes in a 60 tpi casing, black or tan wall, in a 559mm Bead Seat Diameter, with a Kevlar bead.

26 X 3.8"

Bead seat diameter: 559mm (fits rims 50-65mm)
Casing: 60 tpi with Kevlar (1050g)

KNARD



Our Knard tread pattern is made up of many small, closely spaced knobs that have one job, to grip the trail. The Knard tread is a good all around tire that really shines on hard pack or semi-loose conditions. Knard comes in 559, 584 and 622mm Bead Seat Diameters (26", 650b, 700c respectively) and widths of 3", 3.8", 4.8" and 41mm with either a 27, 60 or 120 tpi casing. It's a tread that won't slow you down on hard stuff and provides excellent grip in the dirt.

700c x 41mm

Bead seat diameter: 622mm (fits rims 23-30mm)
Casing: 120 tpi with Kevlar bead (465g)
27 tpi wire bead (650g)

29 X 3.0"

Bead seat diameter: 622mm (fits rims 35-50mm)
Casing: 120 tpi with Kevlar bead (980g)
27 tpi with wire bead (1240g)

650b x 41mm

Bead seat diameter: 584mm (fits rims 23-30mm)
Casing: 60 tpi with Kevlar bead (465g)
27 tpi wire bead (650g)

26 X 3.0"

Bead seat diameter: 559mm (fits rims 35-65mm)
Casing: 120 tpi with Kevlar bead (980g)
27 tpi with wire bead (1240g)

26 X 3.8"

Bead seat diameter: 559mm (fits rims 50-100mm)
Casing: 120 tpi with Kevlar bead (1255g)
27 tpi with wire bead (1635g)

TIRES

BUD



This is Bud, a 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 life partner, 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 120 tpi casing with folding Kevlar bead conforms well to ground surfaces of all types.

4.8"

Bead seat diameter: 559mm (fits rims 65–100mm wide)
Casing: 120 tpi with Kevlar bead (1585g)

NATE



We named this tire for our friend Nate, who is himself, like the tire, large and aggressive. Nate has a shred-your-face-off, run-over-anything, Kung Fu grip knobby tread pattern. The casing is round and supple. The knobs' wide spacing means they dig deep and still shed the crap you're riding through. We'll be offering Nate in a 26 x 3.8" size with three casing options of 27 and 120 tpi in black and a real sweet lookin' 60 tpi tan-wall option.

26 X 3.8"

Bead seat diameter: 559mm (fits rims 50–100mm wide)
Casing: 120 tpi with Kevlar bead (1350g)
 60 tpi with Kevlar bead
 27tpi with wire bead (1730g)

LOU



Lou is the 26 x 4.8" 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 while braking and accelerating. Its casing is durable, thin-walled 120 tpi which conforms well to the ground surface shape. If you need a tire that will hook up and keep you on the straight and narrow, Lou is your man- or tire- as it were.

4.8"

Bead seat diameter: 559mm (fits rims 65–100mm wide)
Casing: 120 tpi with Kevlar bead (1585g)

LARRY & BIG FAT LARRY



Larry is designed for riding in loose or soft conditions. Its series of dart shaped knobs and tiny domes scattered among them combine traction and drift control. Larry comes in 559mm Bead Seat Diameter, in 3.8 or 4.7" widths with a 60 tpi casing and a Kevlar bead.

BIG FAT LARRY 26 X 4.7"

Bead seat diameter: 559mm (fits rims 65–100mm wide)
Casing: 120 tpi with Kevlar bead (1400g)
 60 tpi with Kevlar bead (TBD)

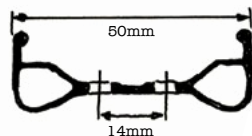
LARRY 26 X 3.8"

Bead seat diameter: 559mm (fits rims 50–100mm wide)
Casing: 120 tpi with Kevlar bead (1255g)
 27 tpi with wire bead (TBD)

RIMS

RABBIT HOLE

The Rabbit hole is our 50mm wide rim and comes in 559 or 622mm BSD. It allows you to run tires as small as 2.3" or as large as 4" (frame clearance permitting). Dual-row spoke holes for lacing versatility.



26+

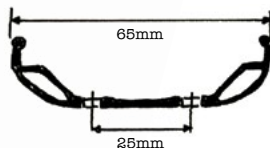
Hub compatibility: 32h hubs
Bead seat diameter: 559mm
Weight: 600g
Color: Black, Silver, Limited Edition

29+

Hub compatibility: 32h hubs
Bead seat diameter: 622mm
Weight: 699g
Color: Black, Silver, Limited Edition

MARGE LITE

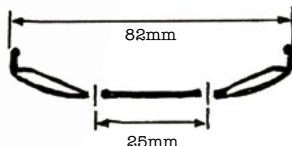
At 65mm wide, Marge Lite gets into some pretty fat territory. Run tires as narrow as 2.5" up to 4.8". Dual-row spoke holes for offset or on-center lacing.



Hub compatibility: 32h hubs
Bead seat diameter: 559mm
Weight: 690g
Color: Silver, Limited Edition

ROLLING DARRYL

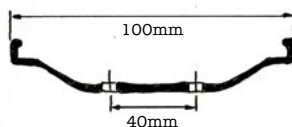
Getting warmer...getting fatter.... At 82mm, the Darryl rim spreads the tire footprint out even more. More traction. More Floatation. Run 3.8-4.8" tires and float over all things in your path.



Hub compatibility: 32h & 36h hubs
Bead seat diameter: 559mm
Weight: 860g
Color: Silver, Limited Edition

CLOWN SHOE

At 100mm wide, Clown Shoe is about as wide as you can get. This rim will handle 3.8-4.8" tires and will maximize their footprint for maximum float and traction. Same dual-row spoking options for offset or on-center lacing.



Hub compatibility: 32h hubs
Bead seat diameter: 559mm
Weight: 960g
Color: Silver, Limited edition

COMPLETE WHEELS

While building one of our wheels isn't quite as difficult or prestigious as winning a Millennium Prize, they are a little wider than normal and some may require specific offsets that complicate the process. This is why we offer complete wheels built with the rims we make. Our wheels are laced, tensioned and finished by hand to exacting standards using high quality DT Swiss spokes and nipples. We offer them with a variety of high quality hubs in various O.L.D. spacings and offsets. This means we offer far too many to list here. Contact Surly or your local bike shop to find out what we have available.



TOOBS & RIMSTRIPS

We make tubes to fit 26 x 3.7- 4.8" tires in 1.0mm and lighter weight 0.8mm thicknesses. We also make tubes to fit 29 x 2.5-3.0" and 26 x 2.5-3.0" tires. All are made of butyl rubber, all have Presta valves, and all will easily float a small dog. 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.



COLORS



CRANKS



O.D. CRANK

We designed our O.D. Crank to supply clearance for the chain on fat bikes and other bikes running wide tires. It does away with the big ring of a standard triple and moves the middle and granny rings to the outer and middle position. Neat!

Forged of 7000 series T6 aluminum, the O.D. Crank is a standard 2-piece design. It's a dedicated 2x, and is 9- and 10-speed compatible. We offer them in 170, 175, and 180mm lengths for 73 and 100mm bottom bracket shells. We have two versions for 100mm shells: one for frames with 17.5mm of offset (or 170mm symmetrical rear ends) and one for 28.5mm offset (or 190mm symmetrical rear ends). O.D. Cranks for 73mm shells have 26 and 39 tooth rings, while the 100mm shell version comes with 22 and 36t rings. The bearings are high quality Enduro brand, with double seals and an internal sleeve to protect them from general grossness and comes with either English threaded cups or our own PF41 press-fit cups.

MR. WHIRLY

Mr. Whirly is an incredibly versatile crank. The spiders can be swapped to run a variety of common chainring sizes in singlespeed, double, triple, or install our MWOD chainrings to make it an offset double. You can swap spindles to use it with 68, 73, and 100mm bottom brackets. You may never need the versatility it offers, but if you ever do, it'll be there waiting. Armsets are available in 165, 170, 175, 180 and 185mm lengths, in silver and black. Spiders come in 3 BCD's; 94, 104 and 110 and we offer 4 spindle lengths. There are also complete options in singlespeed and triple.

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.

HUBS



Our Ultra New hubs have shells made from 6061-T6 forged and machined aluminum with hollow 4130 CroMoly axles of our own design and 304 Stainless Steel fixing bolts. Ultra New hubs can be converted to QR by simply removing the bolts and installing a QR skewer. Our Ultra New hubs come in black or silver with pretty much any spacing, brake type (disc or non), or hole count you can imagine so head to surlybikes.com to get the full picture of all the hubs we offer.

Rear Non-Disc, 120mm

Hole Count	Threading
32	Fix/Fix
32	Fix/Free
36*	Fix/Fix
48**	Fix/Fix
48**	Free/Free

*silver only, **black only

Rear Non-Disc, 130mm

Hole Count	Threading
32	Fix/Free

Rear Disc, 135mm

Hole Count	Threading
32h	Freewheel
32h	Fixed
36h	Freewheel

Rear Non-Disc, 135mm

Hole Count	Threading
32	Free/Free
32	Fix/Free
36	Free/Free
48**	Free/Free
48**	Fix/Fix

**black only

Front Disc, 100mm

Hole Count
32
36

Front Non-Disc, 100mm

Hole Count
32
32
48*

*black only

Front Disc, 135mm

Hole Count
32*

*No cog or freewheel threading

All hubs available in silver or black unless otherwise noted

DRIVE-TRAIN

Drive-train parts are a big contributor to the overall function of a bike. They can be the difference between having an excellent ride or having a leisurely walk home. Because the bicycle's drive-train is the thing directly responsible for propelling it forward and converting your effort into speed, we like to make commonsense decisions about drive-train parts. Above all, things must last, which is why on many of our drive-train parts, we like materials like Stainless and CroMoly steel for our chainrings and cogs. Head to surlybikes.com to check out all of the options we have to offer.

STAINLESS CHAINRING

Most chainrings on the market are made from aluminum. Aluminum is light and stiff, but wears out quickly in the high-friction world of chain-driven bicycle drive-trains. Our chainrings are made from 304-grade stainless steel. They're ideal for any single-ring application like fixed gears or timing chain applications on tandems because stainless doesn't wear as fast. Long wearing parts mean more time on your bike and more money in your pocket.

MWOD CHAINRING

MWOD chainrings convert your Mr. Whirly crankset into an offset mountain double crank, allowing you to run extra wide rear tires and rim combinations while avoiding chain-on-tire rub without increasing your Q-factor. MWOD granny rings are stainless steel, the outer ring is aluminum. The two rings bolt together and the whole assembly bolts to the 58mm BCD mounting holes on Mr. Whirly Cranks.

O.D. CHAINRING

Our O.D. chainrings were 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 combination, go to surlybikes.com for more information on these combinations. We sell them individually, not as sets. The number in parenthesis after each ring size is its ideal mate.



DRIVE-TRAIN

COGS & LOCKRINGS

We designed our Cassette-type cogs to fit on standard 7–10 speed Shimano-compatible freehub bodies. These cogs have a tall tooth profile that prevents chain skip from the extra torque a singlespeed drive-train encounters. With a base width of 4.35mm, you can stack a few of them up and use a 9-speed shifter for a simplified multi-speed drive-train. This width also prevents them from digging grooves into the freehub body as 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.

DINGLE COGS

A fine option for multi-speed fixed gear setups, the Dingle Cog gives you the ability to switch gears when the terrain demands it. For instance, with a 17/19t Dingle on the back, pick two chainrings that are two teeth apart, like a 44/42t and when you switch from the outer gear (44:17t) to the inner gear (42:19t), you'll have an easier gear for steep climbs, singletrack trails or the dead of winter. Available in three tooth counts: 17/19t, 17/20t, 17/21t.

TRACK COGS

Our track cogs are designed to spin onto standard ISO-threaded (1.37" x 24 tpi) hubs, so they work with most English, Italian and Japanese hubs. Like our splined cassette 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 thickness and in sizes from 13–22t.

TRACK LOCKRINGS

CNC machined from stainless steel...no flaking chrome or rusting. Our Lock Rings are designed to maximize thread engagement and fit English locking threads to work on all track hubs available today except Campagnolo (1.32" x 24 tpi LH) and French (33 x 1mm LH).

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.



RACKS

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. Bearing this in mind, it shouldn't surprise you to learn they are made from tubular CroMoly steel, known for its durability, repairability and value.

Our front rack is height adjustable and provides multiple pannier mounting options to keep your center of gravity low. The platform above the wheel provides extra space for lashing down gear. The Front Rack mounts directly to forks with a mid-blade eyelet, a standard braze-on found on most touring-specific forks. We also provide hardware to securely mount a Surly Rack on forks that don't have mid-blade eyelets.

The Rear Rack is also height-adjustable for security and stability. Its wide platform allows plenty of room for rack trunks, tents, sleeping bags or a badass diorama. The included stainless steel hardware will enable you to fit the rack to most rigid 26" and 700c frames and 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.



SMALL PARTS

SEATPOST CLAMPS

We make two seatpost clamps; the Constrictor (in 30.0, 31.8 and 33.1mm) and Stainless Steel (in 30.0mm). The Stainless Steel comes in silver or black, the Constrictor in black only. They both kick some major ass when it comes to clamping seatposts. And most importantly, they deliver the clampability seatposts crave.



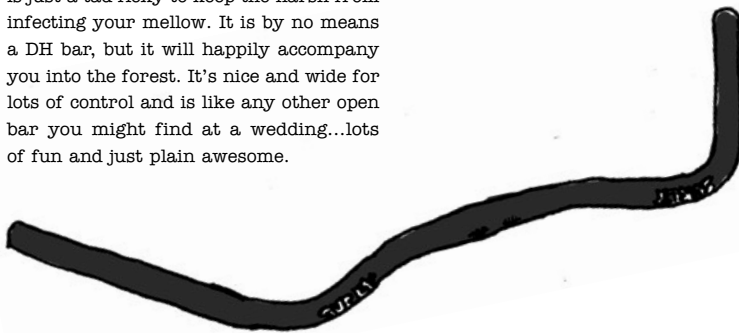
CABLE HANGER

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.



OPEN BAR

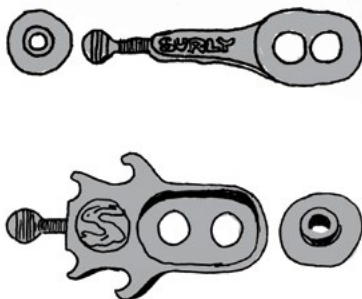
Upright, yes; uptight, no. The Open Bar has a comfy angle for the wrists and is just a tad flexy to keep the harsh from infecting your mellow. It is by no means a DH bar, but it will happily accompany you into the forest. It's nice and wide for lots of control and is like any other open bar you might find at a wedding...lots of fun and just plain awesome.



SMALL PARTS

CHAIN TENSIONERS

We make two chain tensioners. The Hurdy Gurdy is a super-nifty device designed to work with front-loading, semi-horizontal dropouts like those on our Cross-Check and many older frames. Sadly, the Hurdy Gurdy does not come with a provision for opening bottles. The Tuggnut works with rear-loading horizontal 'track ends' like those found on our 1x1 and crap tons of other singlespeed frames. Happily, the Tuggnut does come with integrated bottle opening hooks. Both are investment cast stainless steel and work with any standard 10mm solid or quick release axles, both have two axle holes for an improved range of adjustment. Ensure your chain is always high and tight with our Hurdy Gurdy or Tuggnut chain tensioners.



JETHRO TULE

The Jethro Tule is a handy box wrench for 15mm nutted 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



SINGLEATOR

The Singleator is a device for taking up extra chain slack in singlespeed drive-trains. 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.



SPACER KIT

Our Singlespeed Spacer Kit is exactly what it sounds like. It's a kit with black aluminum spacers and a stainless steel lockring that will convert that old wheel you have with a multi-speed freehub body into a single cog, derby-approved weapon.



GEAR

WOOL HOODIE

Soft, warm, and comfy, hoodies are the comfort food of clothing. Wool insulates well, both warm and cold, and it's durable. Wool resists stink build-up, which means you won't have to wash it as often (when you do wash it, hand wash it in cold water and let air dry). Plus, Merino wool is nice and soft against even sensitive skin. Ours (our own proprietary blend of 100% Merino) 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. We've put a lot of work into bringing you a quality piece of clothing that functions well on and off the bike, and that will last a long time. If you like hoodies, this is the shit. In both unisex and women's specific fit sizes S-XXL. See the dark rainbow of colors at surlybikes.com



WOOL JERSEY

We've made a lot of improvements to our Wool Jerseys over the years. We've changed the cut and the fabrics all towards the end of making a better fitting, longer lasting, more comfortable wool cycling jersey that you can't see or smell from outer space. It's wool so you know it'll regulate body temperature well hot or cold, wet or dry, won't stink after one ride and will feel nice on your skin. It has a nice tall collar, quality zippers, zippered rear kangaroo pockets, thumb holes in the sleeves and comes in long or short sleeve, sizes XS-XXL, men's and women's. Head to surlybikes.com to see the dark rainbow of colors we have available.



WOOL SHIRTS

Sometimes, you don't need a cycling jersey. Other times you need a cycling jersey, and then some. Enter our wool shirts. We took the same reasons and philosophy behind our wool jerseys and applied them to our new wool shirts. Lightweight and comfy, our merino wool t-shirts and long sleeve Raglan Shirts are perfect for layering to help wick moisture or add a pinch of warmth. When it's hot out, wear one solo to keep yourself high and dry. T-shirts have one chest pocket big enough for a photo of mom, or your smokes. We left off the giant logo (or really any logo at all) cuz some of us don't like the whole "walking billboard" thing. Size S-XXL, black, brown or red. Raglan, in sizes S-XXL, stripey.



COTTON T-SHIRTS

Do you ever want to just walk around screaming the words "Surly Bikes" at the top of your lungs? Well, with our t-shirts, you can do just that without hurting your vocal chords. Head to surlybikes.com to check out the latest designs in men's and lady's tees.

WOOL SCARVES

It's nice to have a scarf in your bag when the weather turns chilly. They act as a baffle to keep cold wind out and body heat in. We make a real nice one out of Merino Wool. Zebracorn or Black Eye Blue stripe.



WOOL SOCKS

By now, surely you know the myriad benefits of wool. We also have socks made for us, from wool, by Defeet. Being made from wool they are comfy and durable in most climates. Lotsa sizes, lotsa designs. Head to surlybikes.com for more info than you could possibly want. Go to surlybikes.com for up to date info on color



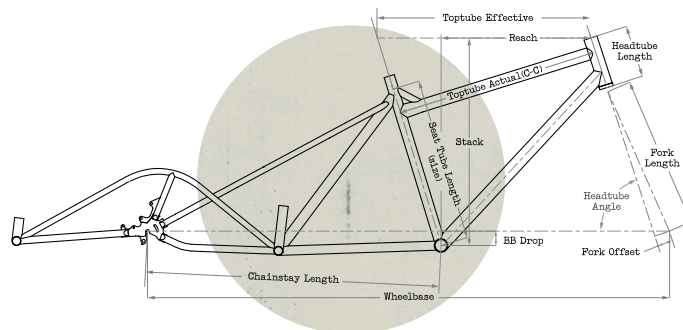
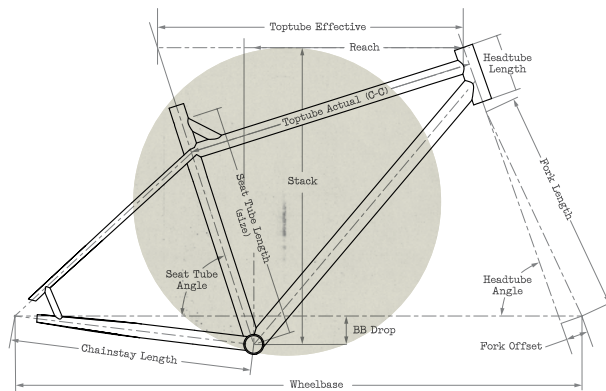
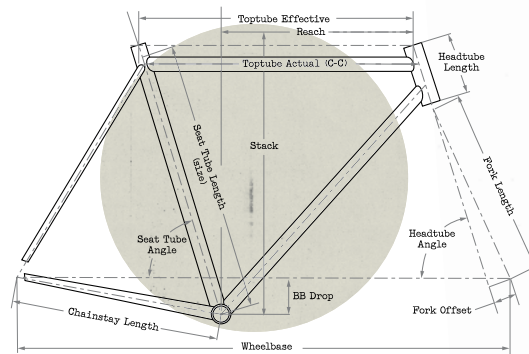
THE GOLDEN MEANING

Behold this year's tome of Surly frame geometries. Many mathematicians and philosophers of a bygone era believed that the Universe was ordered based on geometric principles. Johannes Kepler anyone? No? Ok fine, we won't go as far as saying that these drawings represent God or the order of the Universe, but they are pretty accurate representations of the various frames we sell, of that we are sure.

While bike geometry is nothing particularly complicated and the charts aren't difficult to read, we still get asked a lot of questions about fit. The geometry charts contained herein are the best place to begin if you have questions about bike fit. The charts show every measurement you'll need. We measure our seat tubes from the center of the Bottom Bracket to the top of the seat tube gusset. Actual top tube measurements are taken center to center from one end of the top tube to the other and Effective Top Tube measurements are made across a horizontal line from the centerline of the headtube to its intersection with the centerline of the seat tube. It's not so hard. There's also plenty of other interesting info like chainstay length, bottom bracket drop and the all-knowing, all-seeing stack and reach measurements, among others.

Ride bikes, see what you like and what you don't like, take measurements, compare those measurements against the corresponding chart and talk to the friendly people at your local bicycle procurement emporium. The folks at your local bike shop will be the most important piece of the "fit" puzzle because some of us have weird shaped bodies and regular shaped limbs. Some of us have regular bodies and cartoonishly long arms and legs. Others are more flexible and can bend in ways some of us can't. Some of those ways have a lot to do with how comfortable you are on a bicycle and the people at your local shop can help guide you. We all really are beautiful, individual little snowflakes, and they can set your beautiful, individual little ass on the bike. There are a lot of things to take into consideration when figuring out how you fit on a bicycle. These geometry charts should help you do that. If they don't, you can always give us a call.

GEOMETRY KEY



ICE CREAM TRUCK FRAME GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST Angle	HT Angle	HT		BB Drop	
	in	mm	in	mm	in	mm			in	mm	in	mm
XS	14.0	355.6	22.7	575.8	22.6	575.0	72.5	68.0	3.9	100.0	2.4	60.0
S	16.0	406.4	22.7	575.4	23.2	590.0	72.5	68.0	3.9	100.0	2.4	60.0
M	18.0	457.2	23.3	591.6	24.2	615.0	72.5	68.0	4.3	110.0	2.4	60.0
LG	20.0	508.0	23.8	604.0	24.8	630.0	72.5	68.0	4.3	110.0	2.4	60.0
XL	22.0	558.8	24.4	620.0	25.4	645.0	72.5	68.0	4.7	120.0	2.4	60.0
XXL	22.0	558.8	25.0	635.0	26.0	660.0	72.5	68.0	4.7	120.0	2.4	60.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
XS	17.7	450.0	19.0	483.0	1.9	47.0	43.3	1100.0	28.0	711.2	23.3	592.0	15.3	388.4
S	17.7	450.0	19.0	483.0	1.9	47.0	43.9	1115.0	29.3	744.3	23.3	592	15.9	403.4
M	17.7	450.0	19.0	483.0	1.9	47.0	44.9	1140.8	30.7	779.2	23.7	601.2	16.7	425.4
LG	17.7	450.0	19.0	483.0	1.9	47.0	45.5	1155.8	31.8	807.8	23.7	601.2	17.3	440.4
XL	17.7	450.0	19.0	483.0	1.9	47.0	46.1	1171.0	33.1	840.2	24.0	610.5	17.8	452.5
XXL	17.7	450.0	19.0	483.0	1.9	47.0	46.7	1186.6	33.1	840.2	24.0	610.5	18.4	467.5

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø762mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	in	mm		in	mm	
XS	2.4	60.0	7.0	27.6	700.0	170.0
S	2.4	60.0	7.0	27.6	700.0	170.0
M	2.8	70.0	7.0	29.5	750.0	175.0
LG	3.1	80.0	7.0	29.5	750.0	175.0
XL	3.5	90.0	7.0	29.5	750.0	175.0
XXL	4.7	100.0	7.0	29.5	750.0	180.0

FRAME SPECIFICATIONS

Category	Description
Tubing:	100% Surly 4130 CroMoly steel. ED coated. Triple-buttet main triangle. TIG-welded
Rear dropouts:	Surly Modular Dropout System gives you the option of 197 x 12mm thru-axle (Shimano direct mount derailleur hanger [axle included]), 10mm QR geared, or singlespeed
Brake compatibility:	51mm I.S. disc mounts frame and fork
Braze-ons:	Dual water bottle mounts, Surly Trip Guide full line guides for brake and derailleurs, fender and rack eyelets
Seatpost diameter:	30.9mm
Seatpost clamp diameter:	33.1mm, Surly Constrictor clamp included
Headset:	44mm ID. Recommend EC44 lower cups. Zero Stack on top is ok
Front derailleur clamp diameter:	direct mount 34.9mm diameter (adapter included)
Bottom bracket shell:	132mm wide Surly Pressfit Bottom Bracket PF41/132
Tire clearance:	4.8" tires. Hells yes
Chainring clearance:	22/36t NOTE: This is this specific to using a Surly O.D. Crank—use of other cranks may limit number and size of rings and may cause tire/chain rub!
Fork:	Tapered straight blade 4130 CroMoly. 483mm axle to crown, 47mm offset. 51mm I.S. front standard disc mount, 150mm x 15mm thru-axle dropouts (axle included).
Color:	Jack Frost Blue
Ops Color:	Black

BIKE SPECIFICATIONS

Component	Stock	Ops
Headset:	Cane Creek 40	Cane Creek 40
Crankset:	Surly O.D., 22/36t	Surly O.D., 22/36t
Bottom Bracket:	Surly Press Fit BB	Surly Press Fit BB
Brakes:	SRAM Guide RS	Avid BB7
Brake Levers:	SRAM Guide RS	Avid FR-5
Rims:	Surly Clown Shoe	Surly Rolling Darryl
Front Hub:	Salsa, 150 x 15mm thru-axle	Salsa, 150 x 15mm thru-axle
Rear Hub:	Shimano XT M756, 135mm	Shimano XT M756, 135mm
Front/Rear Tires:	Surly Bud/Surly Lou, 4.8", 120 tpi	Surly Nate, 3.8", 120 tpi
Shifters:	Shimano SLX 670, 2 x 10	Microshift SL-M10
Front Derailleur:	Shimano SLX FD-M676D	Shimano Deore FD M616
Rear Derailleur:	Shimano XT RDM786 GS	Shimano SLX M675-65 SGS
Cog or Cogset:	Shimano SLX CS-HG81-10, 10-speed, 11-36t	Shimano SLX CS-HG5010-10, 10-speed, 11-36t
Stem:	Kalloy	H.L.
Handlebar:	Salsa Salt Flat	Salsa Salt Flat
Saddle:	Velo	Velo
Seatpost:	Kalloy	Kalloy
Chain:	KMC x10RB	KMC x10RB
Extras:	Surly Constrictor seat collar, Velo lock-on grips, DT Swiss spokes	Surly Constrictor seat collar, Velo lock-on grips, DT Swiss spokes

MOONLANDER FRAME GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST	HT	HT		BB Drop	
	in	mm	in	mm	in	mm	Angle	Angle	in	mm	in	mm
S	16.0	406.4	21.9	555.2	22.6	575.0	73.0	70.5	4.3	110.0	2.4	60.0
M	18.0	457.2	22.5	570.8	23.4	595.5	73.0	70.5	4.7	120.0	2.4	60.0
LG	20.0	508.0	23.2	590.2	24.2	615.0	73.0	70.5	5.5	140.0	2.4	60.0
XL	22.0	558.8	23.9	607.3	24.8	630.0	73.0	70.5	6.3	160.0	2.4	60.0
XXL	22.0	558.8	24.4	620.6	25.4	645.0	73.0	70.5	6.9	175.0	2.4	60.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
S	17.7	450.0	17.6	447.0	1.7	43.0	42.3	1073.4	30.4	771.1	22.8	580.1	15.7	397.7
M	17.7	450.0	17.6	447.0	1.7	43.0	43.1	1093.9	31.5	800.1	23.2	589.5	16.3	414.8
LG	17.7	450.0	17.6	447.0	1.7	43.0	43.9	1114.8	32.8	833.8	23.9	608.3	16.9	429.0
XL	17.7	450.0	17.6	447.0	1.7	43.0	44.5	1130.7	44.5	1130.7	24.7	627.2	17.3	438.3
XXL	17.7	450.0	17.6	447.0	1.7	43.0	45.1	1146.4	44.9	1140.0	25.2	641.3	17.7	448.9

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø762mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle	Handlebar Width		Crank Length
	in	mm	degrees	in	mm	mm
S	3.5	90.0	7.0	27.6	700.0	170.0
M	3.9	100.0	7.0	29.5	750.0	175.0
LG	4.3	110.0	7.0	29.5	750.0	175.0
XL	4.3	110.0	7.0	29.5	750.0	175.0
XXL	4.7	120.0	7.0	29.5	750.0	180.0

FRAME SPECIFICATIONS

Category	Description
Rear dropouts:	Surly horizontal rear load, with derailleur hanger; 135mm O.L.D.; offset 28.0mm
Brake compatibility:	51mm I.S. 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 diameter:	30.0mm, Surly stainless included
Headset/Steertube:	1-1/8" threadless
Front derailleur clamp diameter:	28.6mm, direct mount (adapter included, Moonlander specific)
Bottom bracket shell:	100mm wide, standard English threading (1.37" x 24t)
Tire clearance:	4.8" tires. Hells yes
Chainring 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!)
Fork:	Tapered straight blade butted 4130 CroMoly. 51mm I.S. front disc mount. 135mm-spaced dropouts
Color:	Titanium Sand

BIKE SPECIFICATIONS

Component	Type
Headset:	Cane Creek 40
Crankset:	Surly O.D., 100mm, 36/22t
Bottom bracket:	Surly Enduro
Brakes:	Avid BB7, Cable actuated. 180/160mm rotors front & rear
Brake levers:	Avid SD-7
Rims:	Surly Clown Shoe
Front hub:	Surly New Disc
Rear hub:	Shimano XT M756
Front/Rear tires:	Surly Bud/Surly Lou, 4.8", 120 tpi
Shifters:	Shimano SLX SA-109, 2 x 10
Front derailleur:	Shimano SLX FD-676D
Rear derailleur:	Shimano Deore XT RD780 SGS
Cog or cogset:	Shimano CS-HG81-10, 10-speed, 11-34t
Stem:	Kalloy
Handlebar:	Salsa Salt Flat
Saddle:	Velo
Seatpost:	Kalloy
Chain:	KMC x10RB
Extras:	Surly Stainless seat collar, DT 14g spokes, lock-on grips

PUGSLEY, SS & OPS GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST	HT	HT		BB Drop	
	in	mm	in	mm	in	mm	Angle	Angle	in	mm	in	mm
XS	14.0	356.5	21.5	545.8	22.0	560.0	73.0	70.0	3.7	95.0	2.2	55.0
S	16.0	406.4	21.8	554.3	22.9	580.9	72.0	70.5	4.0	102.0	2.2	55.0
M	18.0	457.2	22.3	566.5	23.4	595.6	72.0	70.5	4.4	112.0	2.2	55.0
LG	20.0	508.0	22.9	581.9	24.0	610.1	72.0	70.5	5.1	130.0	2.2	55.0
XL	22.0	558.8	23.6	600.0	24.6	625.0	72.0	70.5	5.9	150.0	2.2	55.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm
XS	17.6	448.1	17.6	447.0	1.7	43.0	41.8	1061.6	28.9	734.9	22.0	558.9	15.3 387.7
S	17.6	448.1	17.6	447.0	1.7	43.0	42.0	1067.4	29.9	758.7	22.3	567.5	15.6 395.6
M	17.6	448.1	17.6	447.0	1.7	43.0	42.6	1082.4	31.0	786.5	22.7	576.9	16.0 407.2
LG	17.6	448.1	17.6	447.0	1.7	43.0	43.2	1097.3	32.3	819.6	23.4	593.9	16.4 416.1
XL	17.6	448.1	17.6	447.0	1.7	43.0	43.8	1112.7	33.6	853.0	24.1	612.8	16.7 424.9

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø740mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle	Handlebar Width		Crank Length
	in	mm	degrees	in	mm	mm
XS	3.5	90.0	7.0	27.6	700.0	170.0
S	3.5	90.0	7.0	27.6	700.0	170.0
M	3.9	100.0	7.0	29.5	750.0	175.0
LG	4.3	110.0	7.0	29.5	750.0	175.0
XL	4.7	120.0	7.0	29.5	750.0	175.01

¹This measurement is stock only. Ops and Singlespeed Pugsley have a 180mm crank length ins the XL size

FRAME SPECIFICATIONS

Category	Description
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 17.5mm
Brake compatibility:	51mm I.S. 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 diameter:	30.0mm, Surly stainless included
Headset/Steertube:	1-1/8" threadless
Front derailleur clamp diameter:	28.6mm, high direct mount (adaptor included)
Bottom bracket shell:	100mm wide, standard English threading (1.37" x 24t)
Tire clearance:	3.8" on 82mm rims. Use of 82mm rims requires the use of Surly O.D. Crank or truncat ed cassette to avoid tire/chain rub. Standard mountain triple gearing will work with 65mm rims
Chainring clearance:	Compact triple: 22/32/44t (with 65mm rim)
Fork:	447mm axle to crown, tapered straight blade, 4130 CroMoly. 51mm I.S. disc mount. 135mm-spaced dropouts. 17.5mm offset fork available after market
Weight:	5.5 lb (2.5 kg) Fork—uncut = 2.64 lb (1200g)
Color:	Grassy Green and Apathetic Black
SS Color:	Grape Soda
Ops Color:	BattleShip Gray

BIKE SPECIFICATIONS

Component	Stock	SS	OPS
Headset:	Cane Creek 40	Cane Creek 40	Cane Creek 40
Crankset:	SRAM X5, 22/36t	Surly O.D., 33t	Surly O.D., 22/36t
Bottom bracket:	SRAM GXP	Surly Enduro w/ sleeve	Surly Enduro w/ sleeve
Brakes:	Avid BB7	Avid BB7	SRAM Guide RS
Brake levers:	Avid FR-5	Avid FR-5	SRAM Guide RS
Rims:	Surly Marge Lite	Surly Marge Lite	Surly Rolling Darryl
Front hub:	Surly Ultra New	Surly Ultra New	Surly Ultra New
Rear hub:	Shimano Deore M525	Shimano Deore M525	Shimano Deore M525
Front/Rear tires:	Surly Nate, 26 x 3.8", 27 tpi	Surly Knard, 26 x 3.8", 120 tpi	Surly Nate, 26 x 3.8", 60 tpi
Shifters:	Microshift SL-M10	Ain't no shiftin' son	SRAM X7
Front derailleur:	Shimano SLX FD-616-D	Nope.	SRAM X7
Rear derailleur:	Shimano M615	Yah, no.	SRAM X9
Cog or Cogset:	Shimano CS-HG50-10 10-speed, 11-36t	Surly, 19t	SRAM PG1030, 10-speed, 11-36t
Stem:	HL, 31.8mm	HL, 31.8mm	HL, 31.8mm
Handlebar:	Salsa Salt Flat	Salsa Salt Flat	Salsa Salt Flat
Saddle:	Velo	Velo	Velo
Seatpost:	Kalloy	Kalloy	Kalloy
Chain:	KMC x10RB	KMC S10	KMC x10RB
Extras:	Surly Stainless seat collar, Velo lock-on grips, DT Swiss spokes	Surly Stainless seat collar, Velo lock-on grips, DT Swiss spokes	Surly Stainless seat collar, Velo lock-on grips, DT Swiss spokes

STRAGGLER GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST Angle	HT Angle	HT		BB Drop	
	in	mm	in	mm	in	mm			in	mm	in	mm
42cm	16.5	420.0	19.8	502.7	20.5	520.0	75.0	72.0	3.6	91.0	2.8	72.0
46cm	18.1	460.0	20.2	513.3	20.8	528.0	74.5	72.0	3.6	91.0	2.8	72.0
50cm	19.7	500.0	20.7	526.9	21.1	535.0	74.0	72.0	3.6	91.0	2.8	72.0
52cm	20.5	520.0	21.5	546.3	21.7	550.0	73.5	72.0	3.6	91.0	2.8	72.0
54cm	21.3	540.0	22.2	563.3	22.2	565.0	73.0	72.0	4.2	107.0	2.8	72.0
56cm	22.0	560.0	22.8	579.7	22.8	580.0	72.5	72.0	4.8	121.0	2.8	72.0
58cm	22.8	580.0	23.4	593.2	23.4	595.0	72.5	72.0	5.7	146.0	2.8	72.0
60cm	23.6	600.0	23.9	608.0	24.0	610.0	72.0	72.0	6.5	165.0	2.8	72.0
62cm	24.4	620.0	24.5	623.0	24.6	625.0	72.0	72.0	7.3	185.0	2.8	72.0
64cm	25.2	640.0	25.2	640.1	25.2	640.0	72.0	72.0	7.8	198.0	2.8	72.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
42cm	16.5	420.0	15.7	400.0	1.7	44.0	38.8	985.2	28.7	729.8	21.0	534.0	14.8	377.1
46cm	16.5	420.0	15.7	400.0	1.7	44.0	38.9	988.4	29.5	749.7	21.0	534.0	14.9	379.1
50cm	16.7	425.0	15.7	400.0	1.7	44.0	39.2	995.7	30.3	768.5	21.0	534.0	15.0	380.5
52cm	16.7	425.0	15.7	400.0	1.7	44.0	39.6	1006.0	30.6	777.3	21.0	534.0	15.4	390.8
54cm	16.7	425.0	15.7	400.0	1.7	44.0	40.0	1016.5	31.2	791.7	21.6	549.2	15.6	396.3
56cm	16.9	430.0	15.7	400.0	1.7	44.0	40.6	1031.9	31.9	809.4	22.3	567.3	15.8	400.7
58cm	16.9	430.0	15.7	400.0	1.7	44.0	41.2	1047.0	32.6	828.7	23.3	591.1	16.1	408.2
60cm	16.9	430.0	15.7	400.0	1.7	44.0	41.6	1056.8	33.3	846.1	24.0	609.1	16.2	412.1
62cm	16.9	430.0	15.7	400.0	1.7	44.0	42.2	1071.8	34.1	865.0	24.7	628.2	16.6	420.9
64cm	16.9	430.0	15.7	400.0	1.7	44.0	42.8	1086.8	34.8	884.0	25.2	640.5	17.0	431.9

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø718mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	in	mm		in	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

FRAME SPECIFICATIONS

Category	Description
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. 135mm spacing that drivetrain you want to run. 135mm spacing
Brake compatibility:	Disc only. 160mm max rotor size
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, Surly stainless clamp included
Headset/Steertube:	1-1/8" threadless
Front derailleur clamp diameter:	28.6mm
Bottom bracket shell:	68mm wide, standard English threaded 1.37 x 24t
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!
Chainring clearance:	Manipulated so you can fit pretty much whatever size rings you want. Go nuts!
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 (1050g)
Color:	Glitter Dreams or Closet Black

BIKE SPECIFICATIONS

Component	Type
Headset:	Cane Creek 40
Crankset:	Shimano FC-CX50, 36/46t
Bottom bracket:	Surly Enduro
Brakes:	Avid BB7
Brake levers:	Shimano Tiagra
Rims:	Alex XD-E Lite
Front hub:	Surly Ultra New
Rear hub:	Shimano Deore FH-M5629 disc
Front/Rear tires:	Surly Knard 650b x 41, 27 tpi
Shifters:	Shimano Tiagra
Front derailleur:	Shimano CX-70-B-D
Rear derailleur:	Shimano Tiagra RD-4601
Cog or cogset:	Shimano CS-HG62, 11-32t
Stem:	Kalloy
Handlebar:	Salsa Cowbell
Saddle:	Velo
Seatpost:	Kalloy
Chain:	KMC x10
Extras:	Surly stainless steel post clamp. DT Swiss Comp spokes.

STRAGGLER 650b GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST	HT	HT		BB Drop	
	in	mm	in	mm	in	mm	Angle	Angle	in	mm	in	mm
38cm	15.0	380.0	19.1	484.4	19.7	500.0	75.5	69.5	3.3	85.0	2.1	54.0
42cm	16.5	420.0	19.5	495.1	20.1	510.0	74.5	70.0	3.9	100.0	2.1	54.0
46cm	18.1	460.0	20.0	508.0	20.5	520.0	74.0	71.0	4.3	110.0	2.1	54.0
50cm	19.7	500.0	20.9	529.7	21.1	535.0	74.0	71.5	4.7	120.0	2.1	54.0
52cm	20.5	520.0	21.5	545.9	21.7	550.0	73.0	72.0	5.1	130.0	2.1	54.0
54cm	21.3	540.0	22.1	561.8	22.2	565.0	72.5	72.0	5.7	145.0	2.1	54.0
56cm	22.0	560.0	22.8	578.3	22.8	580.0	72.5	72.0	6.3	160.0	2.1	54.0
58cm	22.8	580.0	23.3	591.8	23.4	595.0	72.5	72.0	7.3	185.0	2.1	54.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
38cm	15.9	405.0	15.0	380.0	1.7	44.0	38.6	980.0	27.7	704.0	19.0	483.0	14.6	371.0
42cm	15.9	405.0	15.0	380.0	1.7	44.0	38.5	978.0	28.6	726.0	19.6	498.0	14.5	369.0
46cm	15.9	405.0	15.0	380.0	1.7	44.0	38.5	977.0	29.6	751.0	20.1	511.0	14.6	371.0
50cm	15.9	405.0	15.0	380.0	1.7	44.0	38.9	988.0	30.6	776.0	20.6	523.0	15.1	383.0
52cm	15.9	405.0	15.0	380.0	1.7	44.0	39.0	990.0	31.1	789.0	21.0	534.0	15.2	386.0
54cm	16.1	410.0	15.0	380.0	1.7	44.0	39.6	1005.0	31.7	806.0	21.6	548.0	15.4	392.0
56cm	16.1	410.0	15.0	380.0	1.7	44.0	40.2	1020.0	32.4	822.0	22.2	563.0	15.8	402.0
58cm	16.1	410.0	15.0	380.0	1.7	44.0	40.7	1035.0	33.2	844.0	23.1	586.0	16.1	410.0

All dimensions are preliminary and are subject to change.

*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø678mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle	Handlebar Width		Crank Length
	in	mm	degrees	in	mm	mm
38cm	2.4	60.0	7.0	15.0	380.0	165.0
42cm	2.4	60.0	7.0	15.0	380.0	165.0
46cm	2.8	70.0	7.0	15.8	400.0	165.0
50cm	3.1	80.0	7.0	15.8	400.0	170.0

FRAME SPECIFICATIONS

Category	Description
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
Brake compatibility:	Disc only. 160mm max rotor size
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, Surly stainless clamp included
Headset/Steertube:	1-1/8" threadless
Front derailleur clamp diameter:	28.6mm
Bottom bracket shell:	68mm wide, standard English threaded 1.37 x 24t
Tire clearance:	Our Fatties Fit Fine (FFF) stays and our beautiful slope-crowned custom fork provide room for tires up to 650b x 42mm! With fenders!
Chainring clearance:	Manipulated so you can fit pretty much whatever size rings you want. Go nuts!
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 (1050g)
Color:	Glitter Dreams or Closet Black

BIKE SPECIFICATIONS

Component	Type
Headset:	Cane Creek 40
Crankset:	Andel, 36/48t
Bottom bracket:	Surly Enduro
Brakes:	Avid BB7
Brake levers:	Shimano Tiagra
Rims:	Alex XD-E Lite
Front hub:	Surly Ultra New
Rear hub:	Shimano Deore FH-M589 disc
Front/Rear tires:	Surly Knard 650b x 41, 27 tpi
Shifters:	Shimano Tiagra
Front derailleur:	Shimano CX-70-B-D
Rear derailleur:	Shimano Tiagra RD-4601
Cog or cogset:	Shimano CS-HG62, 11-32t
Stem:	Kalloy
Handlebar:	Salsa Cowbell
Saddle:	Velo
Seatpost:	Kalloy
Chain:	KMC x10
Extras:	Surly stainless steel post clamp. DT Swiss Comp spokes.

CROSS-CHECK, TRAVELERS CHECK & SINGLESPEED GEOMETRY

SIZE	ST (C-T)		TT (C-G)		TT (EFF)		ST Angle	HT Angle	HT		BB Drop	
	in	mm	in	mm	in	mm			in	mm	in	mm
42cm	16.5	420.0	19.9	505.0	20.6	522.0	75.0	72.0	3.6	91.0	2.6	66.0
46cm	18.1	460.0	20.3	515.0	20.8	528.8	74.5	72.0	3.6	91.0	2.6	66.0
50cm	19.7	500.0	21.1	535.1	21.3	541.8	74.0	72.0	3.6	91.0	2.6	66.0
52cm	20.5	520.0	21.5	545.1	21.5	547.1	73.5	72.0	3.6	91.0	2.6	66.0
54cm	21.3	540.0	22.0	559.9	22.0	560.0	73.0	72.0	4.0	102.0	2.6	66.0
56cm	22.0	560.0	22.4	569.9	22.4	570.0	72.5	72.0	4.8	121.0	2.6	66.0
58cm	22.8	580.0	22.8	579.8	22.8	580.0	72.5	72.0	5.6	141.0	2.6	66.0
60cm	23.6	600.0	23.6	599.8	23.6	600.0	72.0	72.0	6.3	160.0	2.6	66.0
62cm	24.4	620.0	24.0	609.9	24.0	610.0	72.0	72.0	7.1	180.0	2.6	66.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
42cm	16.5	420.0	15.7	400.0	1.7	44.0	39.0	989.8	28.8	731.9	20.8	528.0	14.9	378.7
46cm	16.5	420.0	15.7	400.0	1.7	44.0	39.1	991.9	29.6	750.7	20.8	528.0	15.0	380.8
50cm	16.7	425.0	15.7	400.0	1.7	44.0	39.6	1005.2	30.3	768.4	20.8	528.0	15.3	389.1
52cm	16.7	425.0	15.7	400.0	1.7	44.0	39.6	1005.9	30.6	778.4	20.8	528.0	15.3	389.7
54cm	16.7	425.0	15.7	400.0	1.7	44.0	39.9	1014.3	31.2	793.0	21.2	538.4	15.5	394.8
56cm	16.7	425.0	15.7	400.0	1.7	44.0	40.1	1019.7	31.9	810.7	21.9	556.5	15.5	394.3
58cm	16.7	425.0	15.7	400.0	1.7	44.0	40.5	1029.9	32.7	829.9	22.7	575.7	15.7	398.3
60cm	16.7	425.0	15.7	400.0	1.7	44.0	41.1	1044.7	33.4	847.4	23.4	593.6	16.0	407.3
62cm	16.7	425.0	15.7	400.0	1.7	44.0	41.5	1054.7	34.1	866.2	24.1	612.7	16.2	411.0

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø685mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle	Handlebar Width		Crank Length
	in	mm	degrees	in	mm	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

FRAME SPECIFICATIONS

Category	Description
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
Brake compatibility:	Cantilever brake studs front and rear
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 diameter:	30.0mm, Surly stainless included
Front derailleur clamp diameter:	28.6mm
Headset/steertube:	1-1/8" threadless
Bottom bracket shell:	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
Chainring clearance:	Manipulated stays so you can fit the size rings you want. Go nuts
Fork:	4130 CroMoly, 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 (1050g)
Color:	Clay Pot or Gloss Black
Singlespeed color:	Reddish Brown Cow Brown

BIKE SPECIFICATIONS

Component	Geared	SS
Headset:	Cane Creek 40	Cane Creek 40
Crankset:	Andel RSC6-217XR, 36/48t	Andel, 42t
Bottom bracket:	Shimano UN-65	Shimano UN-65
Brakes:	Tektro cantilever CR720	Avid SD-5
Brake levers:	Tektro RL341 on 42-50mm. RL340 on all others	Avid FR5
Rims:	Alex DH19, 700c	Alex DH19, 700c
Front hub:	Shimano HB-T610-L	Surly Ultra New
Rear hub:	Shimano HB-T610-L	Surly Ultra New
Front/Rear tires:	Kenda Slant 6. 700c x 35mm	Conti Tour RIDE 700c x 42mm
Shifters:	Microshift bar-end. 2/3 x 9-speed	Nope
Front derailleur:	Shimano Sora FD-3500	Don't need no derailleur son!
Rear derailleur:	Shimano RD-M591	It's a singlespeed!
Cog or Cogset:	Shimano CS-HG509, 11-32t	Shimano SF-MX30, 17t
Stem:	Kalloy	Kalloy
Handlebar:	Salsa Bell Lap	Salsa MotoAce
Saddle:	Velo	Velo
Seatpost:	Kalloy	Kalloy
Chain:	SRAM PC-971	KMC X8
Extras:	Surly stainless steel post clamp. DT Swiss Comp spokes.	Stainless Surly seatpost clamp, Love.

PACER GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST Angle	HT Angle	HT		BB Drop	
	in	mm	in	mm	in	mm			in	mm	in	mm
42cm	16.5	420.0	19.5	494.1	20.0	508.5	75.5	71.0	3.3	84.0	2.8	72.0
46cm	18.1	460.0	19.9	504.2	20.2	514.3	75.5	71.5	3.9	99.0	2.8	72.0
50cm	19.7	500.0	20.6	522.9	20.7	526.4	74.5	72.0	3.9	99.0	2.8	72.0
52cm	20.5	520.0	21.3	540.0	21.3	540.0	74.0	72.5	4.1	104.0	2.8	72.0
54cm	21.3	540.0	21.9	555.0	21.9	555.0	73.5	72.5	4.7	119.0	2.8	72.0
56cm	22.0	560.0	22.2	565.0	22.2	565.0	73.0	73.0	5.4	136.0	2.8	72.0
58cm	22.8	580.0	22.8	579.4	22.8	579.4	73.0	73.5	6.1	154.0	2.8	72.0
60cm	23.6	600.0	23.2	590.0	23.2	590.0	72.5	73.5	6.7	171.0	2.8	72.0
62cm	24.4	620.0	23.8	605.0	23.8	605.0	72.5	74.0	7.4	189.0	2.8	72.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
42cm	16.1	410.0	14.8	376.0	2.0	50.0	38.6	980.9	28.5	723.7	19.6	498.9	14.9	377.4
46cm	16.1	410.0	14.8	376.0	2.0	50.0	38.7	982.9	29.3	744.9	20.3	514.8	14.9	378.4
50cm	16.1	410.0	14.8	376.0	2.0	50.0	38.8	985.6	30.1	764.4	20.3	516.5	15.2	385.0
52cm	16.1	410.0	14.8	376.0	2.0	50.0	38.9	987.2	30.5	775.9	20.6	523.0	15.3	389.0
54cm	16.3	415.0	14.8	376.0	1.8	45.0	39.1	992.8	31.2	793.7	21.2	539.4	15.3	389.5
56cm	16.3	415.0	14.8	376.0	1.8	45.0	39.3	998.8	31.9	811.5	21.9	557.4	15.5	394.6
58cm	16.3	415.0	14.8	376.0	1.8	45.0	39.7	1008.6	32.7	830.7	22.7	576.3	15.9	403.6
60cm	16.3	415.0	14.8	376.0	1.8	45.0	39.9	1013.7	33.4	848.3	23.3	592.6	15.9	403.8
62cm	16.3	415.0	14.8	376.0	1.8	45.0	40.3	1023.4	34.1	867.3	24.1	611.7	16.3	413.1

All dimensions are preliminary and are subject to change.
*Stand over is measured from the top of the TT, at the center, with a tire measuring approximately Ø680mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	in	mm		in	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

FRAME SPECIFICATIONS

Category	Description
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 diameter:	30.0mm, Surly stainless included
Headset/steertube:	1-1/8" threadless
Front derailleur clamp diameter:	28.6mm
Bottom bracket shell:	68mm wide, English threaded, 1.37" x 24t
Tire clearance:	Room for 700c x 32mm or 700c x 28mm with fenders
Chainring clearance:	39/53t
Fork:	4130 CroMoly, lugged and brazed. Sloping crown, tapered and butted curved blades with dual dropout eyelets
Weight	54cm = 4.62 lb (2.10kg) Fork—uncut = 2.2 lb (1000g)
Color:	Disco Tomato

BIKE SPECIFICATIONS

Component	Type
Headset:	Cane Creek 40
Crankset:	Shimano 105 FC-5750, 34/50t
Bottom bracket:	Shimano BB5700
Brakes:	Tektro R359
Brake levers:	Shimano 105 ST-5700 STI
Rims:	Alex DA28
Front hub:	Shimano 105 HB-5700
Rear hub:	Shimano 105 FH-5700
Front/Rear tires:	Schwalbe Durano, 28mm
Shifters:	Shimano 105 ST-5700, STI
Front derailleur:	Shimano 105 FD-5700
Rear derailleur:	Shimano 105 RD-5701
Cog or cogset:	Shimano 105 CS-5700, 11-28t
Stem:	Kalloy
Handlebar:	Salsa Pro Road 2
Saddle:	Velo
Seatpost:	Kalloy
Chain:	Shimano CN-5701, 10-speed
Extras:	Surly stainless steel post clamp. DT Swiss Comp spokes. Cushy cork bar tape.

ECR GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST** Angle	HT Angle	HT		BB Drop	
	in	mm	in	mm	in	mm			in	mm	in	mm
XS	14.0	356.5	21.3	542.0	22.0	560.0	72.5	69.5	3.3	85.0	3.1	80.0
S	16.0	406.4	21.6	547.4	22.6	575.0	72.5	69.5	3.5	90.0	3.1	80.0
M	18.0	457.2	22.2	562.8	23.4	595.0	72.5	69.5	3.9	100.0	3.1	80.0
LG	20.0	508.0	22.9	582.4	24.2	615.0	72.5	69.5	4.3	110.0	3.1	80.0
XL	22.0	558.8	23.5	597.2	24.8	630.0	72.5	69.5	4.9	125.0	3.1	80.0
XXL	24.0	609.6	24.3	618.3	25.4	645.0	72.5	69.5	5.5	140.0	3.1	80.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
XS	17.8	451.0	18.4	468.0	1.9	47.0	42.1	1069.5	28.3	717.6	23.3	591.5	15.1	384.2
S	17.8	451.0	18.4	468.0	1.9	47.0	42.7	1085.5	29.7	753.4	23.5	596.2	15.7	398.5
M	17.8	451.0	18.4	468.0	1.9	47.0	43.6	1106.6	31.1	789.0	23.8	605.5	16.4	416.1
LG	17.8	451.0	18.4	468.0	1.9	47.0	44.4	1127.8	32.4	822.7	24.2	614.9	17.1	433.8
XL	17.8	451.0	18.4	468.0	1.9	47.0	44.7	1136.0	33.7	855.7	24.8	628.9	17.2	436.7
XXL	17.8	451.0	18.4	468.0	1.9	47.0	45.4	1152.2	35.0	889.0	25.3	643.0	17.6	447.6

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø775mm
**ST angle is the effective ST angle.

COMPONENT SIZING

SIZE	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	in	mm		in	mm	
XS	3.5	90.0	7.0	28.0	710.0	170.0
S	3.9	100.0	7.0	28.0	710.0	170.0
M	3.9	100.0	7.0	28.0	710.0	175.0
LG	4.3	110.0	7.0	28.0	710.0	175.0
XL	4.7	120.0	7.0	28.0	710.0	175.0
XXL	5.1	130.0	7.0	28.0	710.0	180.0

FRAME SPECIFICATIONS

Category	Description
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:	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 diameter:	30.0mm, Surly stainless included
Headset/Steertube:	1-1/8" threadless
Front derailleur clamp diameter:	28.6mm, high direct mount standard (adapter included)
Bottom bracket shell:	73mm shell width, threaded standard English (1.37" x 24t)
Tire clearance:	29 x 3.0"
Chainring clearance:	Triple 22/34/44t, Double 26/39t, Max single ring clearance, middle position, 34t. Outer position 44t (Triple will only work with 2.6" tires or smaller)
Fork:	TIG-welded custom-buttet 4130 CroMoly, 80mm suspension corrected, 1-1/8" steerer tube, 203mm disc brake clearance.
Wiegth	Medium = 6.1 lb (2.76kg) Fork—uncut = 2.5 lb (1147g)
Cargo wieght limit:	50 lb with appropriate rack
Color:	MRE Green

BIKE SPECIFICATIONS

Component	Type
Headset:	Cane Creek 40
Crankset:	Surly O.D., 22/36t
Bottom bracket:	Surly Enduro
Brakes:	Avid BB7
Brake levers:	Avid FR-5
Rims:	Surly Rabbit Hole 29+
Front hub:	Surly Ultra New Disc
Rear hub:	Shimano Deore FH-M525
Front/Rear tires:	Surly Knard 29 x 3.0", 27 tpi
Shifters:	Microshift SL-T10
Front derailleur:	Shimano SLX FD-M676D
Rear derailleur:	Shimano RD-T670-A
Cog or cogset:	Shimano HG50-10, 10-speed, 11-36t
Stem:	Kalloy
Handlebar:	Jones Loop
Saddle:	Velo
Seatpost:	Kalloy
Chain:	KMC X10
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

TROLL & WORLD TROLLER GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST Angle	HT Angle	HT		BB Drop	
	in	mm	in	mm	in	mm			in	mm	in	mm
XS	14.0	355.6	20.9	532.0	21.5	546.0	73.0	71.0	3.5	90.0	1.6	40.0
S	16.0	406.4	21.6	549.0	22.5	571.0	73.0	71.0	3.9	100.0	1.6	40.0
M	18.0	457.5	22.4	570.0	23.5	596.0	73.0	71.0	4.3	110.0	1.6	40.0
LG	20.0	508.8	23.2	590.0	24.3	616.0	73.0	71.0	4.9	125.0	1.6	40.0
XL	22.0	558.8	23.9	608.3	24.8	631.0	73.0	71.0	5.7	145.0	1.6	40.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
XS	16.5	419.0	17.8	453.0	1.6	40.0	39.8	1011.9	28.2	717.0	21.7	551.0	14.8	376.5
S	16.5	419.0	17.8	453.0	1.6	40.0	40.8	1037.3	29.3	745.0	22.1	560.5	15.7	398.6
M	16.5	419.0	17.8	453.0	1.6	40.0	41.8	1062.6	30.5	774.0	22.4	569.9	16.6	420.8
LG	16.5	419.0	17.8	453.0	1.6	40.0	42.6	1083.2	31.7	804.0	23.0	584.1	17.2	436.4
XL	16.5	419.0	17.8	453.0	1.6	40.0	43.3	1098.8	33.0	838.0	23.7	603.0	17.5	445.6

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø676mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	in	mm		in	mm	
XS	3.5	90.0	7.0	28.0	710.0	170.0
S	3.5	90.0	7.0	28.0	710.0	170.0
M	3.9	100.0	7.0	28.0	710.0	175.0
LG	4.3	110.0	7.0	28.0	710.0	175.0

FRAME SPECIFICATIONS

Category	Description
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 I.S. 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 27.2mm
Seatpost diameter:	30.0mm, Surly stainless included
Seatpost clamp diameter:	1-1/8" threadless
Headset/Steertube:	28.6mm, top-pull or Shimano high direct mount (adaptor included)
Front derailleur clamp diameter:	73mm shell width, threaded standard English (1.37" x 24t) 26 x 2.75". Individual tire and rim combos affect tire clearance
Bottom bracket shell:	24/36/48t
Tire clearance:	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
Chainring clearance:	Medium = 5.6 lb (2.54kg) Fork—uncut = 3.1 lb (1.4kg)
Fork:	Egg Plant and Not So Dark Black
Weight:	Milque
Color:	
World Troller Color	

BIKE SPECIFICATIONS

Component	Type
Headset:	Cane Creek 40
Crankset:	Shimano FC-T561, 26/36/48t
Bottom bracket:	Surly Enduro
Brakes:	Avid BB7
Brake levers:	Avid FR-5
Rims:	Alex Adventurer
Front hub:	Shimano Deore Disc M525
Rear hub:	Shimano Deore Disc M529
Front/Rear tires:	WTB Nano Comp 26 x 2.1"
Shifters:	Microshift SL-T09
Front derailleur:	Shimano Deore FD-M611
Rear derailleur:	Shimano Deore RD-M591, 9-speed
Cog or cogset:	Shimano HG-61, 12-36t
Stem:	Kalloy
Handlebar:	Jones Loop
Saddle:	WTB SST Comp
Seatpost:	Kalloy
Chain:	SRAM
Extras:	Surly stainless steel post clamp, 14g DT Swiss spokes

OGRE GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST Angle	HT Angle	HT		BB Drop	
	in	mm	in	mm	in	mm			in	mm	in	mm
S	16.0	406.4	22.0	557.7	22.7	575.6	73.0	71.0	3.5	90.0	2.7	68.0
M	18.0	457.2	22.6	575.0	23.6	599.3	73.0	71.5	3.9	100.0	2.7	68.0
LG	20.0	508.0	23.2	589.9	24.3	616.3	73.0	72.0	4.3	110.0	2.7	68.0
XL	22.0	558.8	23.9	607.1	24.9	632.2	73.0	72.0	4.9	125.0	2.7	68.0
XXL	24.0	609.6	24.7	627.1	25.5	648.1	73.0	72.0	5.5	140.0	2.7	68.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
S	17.0	431.0	18.4	468.0	1.7	43.0	41.2	1046.1	30.0	762.9	23.3	591.1	15.5	394.9
M	17.0	431.0	18.4	468.0	1.7	43.0	41.9	1064.9	31.2	792.7	23.7	602.5	16.3	415.1
LG	17.0	431.0	18.4	468.0	1.7	43.0	42.4	1076.8	32.4	822.5	24.2	614.0	16.9	428.6
XL	17.0	431.0	18.4	468.0	1.7	43.0	43.0	1093.0	33.6	853.5	24.7	628.2	17.3	440.1
XXL	17.0	431.0	18.4	468.0	1.7	43.0	43.7	1109.2	34.8	884.4	25.3	642.5	17.8	451.7

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the top of the TT, at the center, with a tire measuring approximately Ø737mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	in	mm		in	mm	
S	3.5	90.0	7.0	28.0	710.0	170.0
M	3.9	100.0	7.0	28.0	710.0	175.0
LG	4.3	110.0	7.0	28.0	710.0	175.0
XL	4.7	120.0	7.0	28.0	710.0	175.0
XXL	4.7	120.0	7.0	28.0	710.0	175.0

FRAME SPECIFICATIONS

Category	Description
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 I.S. 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 diameter:	30.0mm, Surly stainless included
Headset/Steertube:	1-1/8" threadless
Front derailleur clamp diameter:	28.6mm, top-pull or Shimano high direct mount (adaptor included)
Bottom bracket shell:	73mm shell width, threaded standard English (1.37" x 24t)
Tire clearance:	29 x 2.5", Individual tire and rim combos affect tire clearance
Chainring clearance:	24/36/48t
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 Ø60mm 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

BIKE SPECIFICATIONS

Component	Type
Headset:	Cane Creek 40
Crankset:	Shimano FC-T561, 26/36/48t
Bottom bracket:	Surly Enduro
Brakes:	Avid BB7
Brake levers:	Avid FR-5
Rims:	Alex DH19
Front hub:	Shimano Deore Disc M525
Rear hub:	Shimano Deore Disc M525
Front/Rear tires:	WTB Nano Comp, 26 x 2.1", 27 tpi
Shifters:	Microshift SL-T10
Front derailleur:	Shimano Deore FD-M616
Rear derailleur:	Shimano Deore RD T610-SGS
Cog or cogset:	Shimano HG-6, 10-speed, 11-36t
Stem:	Kalloy
Handlebar:	Jones Loop
Saddle:	WTB SST Comp
Seatpost:	Kalloy
Chain:	KMC x10
Extras:	Surly stainless steel post clamp. 14g DT Swiss spokes

LONG HAUL & DISC TRUCKER GEOMETRY

26" WHEELS

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST	HT	HT		BB Drop	
	in	mm	in	mm	in	mm	Angle	Angle	in	mm	in	mm
42cm	16.5	420.0	19.4	492.7	19.9	505.0	75.0	70.0	4.4	110.7	1.9	47.0
46cm	18.1	460.0	20.0	508.4	20.3	515.0	74.5	70.0	4.6	116.7	1.9	47.0
50cm	19.7	500.0	20.7	525.4	20.9	530.0	74.0	71.0	5.7	144.0	1.9	47.0
52cm	20.5	520.0	21.1	535.0	21.3	540.0	73.5	71.0	6.4	163.0	1.9	47.0
54cm	21.3	540.0	21.6	549.7	21.9	555.0	73.0	71.0	7.2	182.0	1.9	47.0
56cm	22.0	560.0	22.2	564.5	22.4	570.0	73.0	71.0	8.0	203.0	1.9	47.0
58cm	22.8	580.0	22.8	580.3	23.1	586.0	72.5	71.0	8.7	222.0	1.9	47.0
60cm	23.6	600.0	23.4	594.8	23.6	600.0	72.5	71.5	9.4	238.0	1.9	47.0
62cm	24.4	620.0	23.8	603.8	24.0	610.0	72.0	71.5	10.2	259.0	1.9	47.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
42cm	18.1	460.0	14.8	376.0	1.8	45.0	40.8	1036.6	27.6	702.1	19.6	497.2	14.5	367.2
46cm	18.1	460.0	14.8	376.0	1.8	45.0	41.1	1042.7	28.5	723.2	19.8	502.9	14.6	371.3
50cm	18.1	460.0	14.8	376.0	1.8	45.0	41.2	1046.8	29.8	756.1	21.0	532.3	14.7	374.5
52cm	18.1	460.0	14.8	376.0	1.8	45.0	41.5	1053.1	30.5	774.5	21.7	550.3	14.7	374.6
54cm	18.1	460.0	14.8	376.0	1.8	45.0	41.9	1064.0	31.2	792.4	22.4	568.3	14.9	379.4
56cm	18.1	460.0	14.8	376.0	1.8	45.0	42.5	1079.8	32.0	811.9	23.2	588.1	15.3	388.3
58cm	18.1	460.0	14.8	376.0	1.8	45.0	43.0	1091.2	32.7	829.7	23.9	606.1	15.5	393.5
60cm	18.1	460.0	14.8	376.0	1.8	45.0	43.3	1100.4	33.4	847.9	24.5	623.3	15.8	402.5
62cm	18.1	460.0	14.8	376.0	1.8	45.0	43.5	1105.1	34.1	866.6	25.3	643.2	15.8	400.5

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø628mm

700c WHEELS

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST	HT	HT		BB Drop	
	in	mm	in	mm	in	mm	Angle	Angle	in	mm	in	mm
56cm	22.0	560.0	22.2	564.5	22.4	570.0	73.0	72.0	6.0	152.0	3.1	78.0
58cm	22.8	580.0	22.8	580.2	23.1	586.0	72.5	72.0	6.7	171.0	3.1	78.0
60cm	23.6	600.0	23.4	594.8	23.6	600.0	72.5	72.0	7.4	189.0	3.1	78.0
62cm	24.4	620.0	23.8	603.9	24.0	610.0	72.0	72.0	8.3	210.0	3.1	78.0
64cm	25.2	640.0	24.2	615.0	24.4	620.0	72.0	72.0	8.9	226.0	3.1	78.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
56cm	18.1	460.0	15.4	390.0	1.8	45.0	41.6	1055.6	32.0	811.9	23.1	588.0	15.3	389.3
58cm	18.1	460.0	15.4	390.0	1.8	45.0	42.0	1066.7	32.7	829.8	23.9	606.1	15.5	394.4
60cm	18.1	460.0	15.4	390.0	1.8	45.0	42.6	1080.8	33.4	847.8	24.5	623.2	15.9	403.0
62cm	18.1	460.0	15.4	390.0	1.8	45.0	42.7	1085.3	34.1	866.5	25.3	643.2	15.8	401.0
64cm	18.1	460.0	15.4	390.0	1.8	45.0	43.1	1095.3	34.8	883.6	25.9	658.4	16.0	406.1

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø690mm

FRAME SPECIFICATIONS

Category	Description
Rear dropouts:	Vertical, 135mm O.L.D
Brake compatibility:	LHT uses 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
Seatpost diameter:	27.2mm
Seatpost clamp diameter:	30.0mm, Surly stainless included
Headset/Steertube:	1-1/8" threadless
Front derailleur clamp diameter:	28.6mm (bottom-pull)
Bottom bracket shell:	68mm wide, threaded standard English (1.37" x 24t)
Tire clearance:	26": 2.1" with or without fenders; 700c: 42mm with fenders, 45mm without fenders Individual tire and rim combos affect tire clearance
Chainring clearance:	42/53t double, 38/52/56t triple
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
Weight:	42cm = 4.98 lb (2.25kg) 26" Fork—uncut = 2.1 lb (0.97kg)
LHT & Disc Trucker color:	Stink Lines or Blacktacular
Disc Trucker color:	Maroon #79

LONG HAUL TRUCKER COMPLETE

COMPONENT SIZING

SIZE	Stem Length		Stem Angle	Handlebar Width		Crank Length
	in	mm	degrees	in	mm	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
Headset:	Cane Creek 40
Crankset:	Andel RSC6, 26/36/48t
Bottom bracket:	Shimano UN-55
Brakes:	Tektro CR720
Brake levers:	Tektro RL341 (42-50cm), RL340 (52-64cm)
Rims (26"):	Alex DH19
Rims (700c):	Alex DH19
Front hub:	Shimano LX T670
Rear hub:	Shimano LX T670
Front/Rear tires (26") 42-54cm:	Continental Comfort Contact, 26 x 1.5"
Front/Rear tires (26") 56-62cm:	Continental Tour RIDE, 26 x 1.75"
Front/Rear tires (700c):	Continental Contact, 700c x 37mm
Shifters:	Microshift Bar-Con bar ends
Front derailleur:	Shimano Sora FD-3503
Rear derailleur:	Shimano XT RD-M771
Cog or cogset:	Shimano HG-50, 11-32t
Stem:	Kalloy
Handlebar:	PMT
Saddle:	WTB SST Comp
Seatpost:	Kalloy
Chain:	SRAM PC-971
Extras:	Surly stainless steel post clamp. 14g DT Swiss spokes. Some pretty sweet & comfy cork tape

DISC TRUCKER COMPLETE

COMPONENT SIZING

SIZE	Stem Length		Stem Angle	Handlebar Width		Crank Length
	in	mm	degrees	in	mm	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
Headset:	Cane Creek 40
Crankset:	Andel RSC6, 26/36/48t
Bottom bracket:	Shimano UN-55
Brakes:	Avid BB7
Brake levers:	Tektro RL520
Rims (26"):	Alex DH19
Rims (700c):	Alex DH19
Front hub:	Shimano XT M756
Rear hub:	Shimano XT M756
Front/Rear tires (26") 42-54cm:	Continental Comfort Contact, 26 x 1.5"
Front/Rear tires (26") 56-62cm:	Continental Tour RIDE, 26 x 1.75"
Front/Rear tires (700c):	Continental Contact, 700c x 37mm
Shifters:	Microshift Bar-Con bar ends
Front derailleur:	Shimano Sora FD-3403
Rear derailleur:	Shimano XT RD-M771
Cog or cogset:	Shimano HG-50, 11-32t
Stem:	Kalloy
Handlebar:	PMT
Saddle:	WTB SST Comp
Seatpost:	Kalloy
Chain:	SRAM PC-971
Extras:	Surly stainless steel post clamp. 14g DT Swiss spokes. Some pretty sweet & comfy cork tape

KARATE MONKEY & OPS GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST	HT	HT		BB Drop	
	in	mm	in	mm	in	mm	Angle	Angle	in	mm	in	mm
S	16.0	406.4	22.0	557.7	22.7	575.6	73.0	71.0	3.5	90.0	2.7	68.0
M	18.0	457.2	22.6	575.0	23.6	599.3	73.0	71.5	3.9	100.0	2.7	68.0
LG	20.0	508.0	23.2	589.9	24.3	616.3	73.0	72.0	4.3	110.0	2.7	68.0
XL	22.0	558.8	23.9	607.1	24.9	632.2	73.0	72.0	4.9	125.0	2.7	68.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
S	17.0	431.0	18.4	468.0	1.7	43.0	41.2	1046.1	30.0	762.9	23.3	591.1	15.5	394.9
M	17.0	431.0	18.4	468.0	1.7	43.0	41.9	1064.9	31.2	792.7	23.7	602.5	16.3	415.1
LG	17.0	431.0	18.4	468.0	1.7	43.0	42.4	1076.8	32.4	822.5	24.2	614.0	16.9	428.6
XL	17.0	431.0	18.4	468.0	1.7	43.0	43.0	1093.0	33.6	853.5	24.7	628.2	17.3	440.1

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø737mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle	Handlebar Width		Crank Length
	in	mm	degrees	in	mm	mm
S	3.5	90.0	7.0	26.0	660.0	170.0
M	3.9	100.0	7.0	26.0	660.0	175.0
LG	4.3	110.0	7.0	26.0	660.0	175.0
XL	4.7	120.0	7.0	26.0	660.0	175.0

FRAME SPECIFICATIONS

Category	Description
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 51mm I.S. disc mounts front and rear
Brake compatibility:	Dual water bottle mounts, Surly Trip Guides for continuous brake and derailleur housing
Braze-ons:	27.2mm
Seatpost diameter:	30.0mm, Surly stainless included
Seatpost clamp diameter:	1-1/8" threadless
Headset/Steertube:	28.6mm, high direct mount (adaptor included)
Front derailleur clamp diameter:	73mm shell width, standard English threading, 1.37" x 24t
Bottom bracket shell:	29 x 2.5" knobbies. Individual tire and rim combos affect tire clearance
Tire clearance:	24/36/48t
Chainring clearance:	Suspension-corrected (80mm), tapered and butted straight blade, 4130 CroMoly. 51mm I.S. disc mount
Fork:	Spray Tan or Stretchpants Black
Color:	

BIKE SPECIFICATIONS

Component	Singlespeed	OPS
Headset:	TBD	Cane Creek 40 for 44mm
Crankset:	TBD	Shimano Deore 2 x 10, 38/24t
Bottom bracket:	TBD	Shimano SM-BB51
Brakes:	TBD	Shimano Deore Hydraulic
Brake levers:	TBD	Shimano Deore Hydraulic
Rims:	TBD	Alex XD-Lite
Front hub:	Probably Surly Ultra New disc, 32h	Shimano Deore M618
Rear hub:	Probably Surly Ultra New disc, 32h	Shimano Deore M618
Front/Rear tires:	TBD	Schwalbe Nobby Nic 2.4" [North America], Maxxis Ardent 2.4" [all other regions] 29 x 2.4"
Shifters:	Nope.	Shimano Deore M610, front and rear 2 x 10
Front derailleur:	Yeah, no	Shimano Deore M616D 2x
Rear derailleur:	Its a singlespeed!	Shimano Deore M615 10-speed
Cog or cogset:	TBD	Shimano HG62, 10-speed, 11-36t
Stem:	TBD	H.L. 31.8mm
Handlebar:	TBD	Salsa Salt Flat
Saddle:	TBD	Velo
Seatpost:	TBD	Kalloy
Chain:	TBD	KMC X10
Extras:	Surly stainless steel post clamp. 14g DT Swiss spokes	Surly stainless steel post clamp. 14g DT Swiss spokes

KRAMPUS & OPS GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST Angle	HT Angle	HT		BB Drop	
	in	mm	in	mm	in	mm			in	mm	in	mm
S	14.8	375.0	22.1	561.0	23.0	585.0	72.5	69.5	3.5	90.0	2.4	60.0
M	16.7	425.0	22.8	578.0	24.0	609.0	72.5	69.5	3.7	95.0	2.4	60.0
LG	18.7	475.5	23.5	597.4	24.8	630.0	72.5	69.5	3.9	100.0	2.4	60.0
XL	20.7	525.0	24.2	614.7	25.4	645.0	72.5	69.5	4.5	115.0	2.4	60.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
S	17.6	446.0	19.0	483.0	1.9	47.0	43.0	1091.1	30.4	773.4	23.2	589.8	15.7	399.0
M	17.6	446.0	19.0	483.0	1.9	47.0	44.0	1116.7	31.5	799.7	23.4	594.5	16.6	421.6
LG	17.6	446.0	19.0	483.0	1.9	47.0	44.8	1138.8	32.5	825.8	23.6	599.2	17.4	441.1
XL	17.6	446.0	19.0	483.0	1.9	47.0	45.5	1155.3	33.7	856.6	24.1	613.2	17.8	451.7

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø775mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	in	mm		in	mm	
S	2.4	60.0	7.0	27.6	700.0	170.0
M	2.8	70.0	7.0	29.5	750.0	175.0
LG	3.1	80.0	7.0	29.5	750.0	175.0
XL	3.5	90.0	7.0	29.5	750.0	180.0

FRAME SPECIFICATIONS

Category	Description
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 51mm I.S. disc mounts front and rear
Brake compatibility:	Dual water bottle mounts, Surly Trip Guide full line guides for brake and derailleurs, fender and rack eyelets
Braze-ons:	27.2mm
Seatpost diameter:	30.0mm, Surly stainless included
Seatpost clamp diameter:	44mm ID. Recommend EC44 lower cups.
Headset/Steertube:	Zero Stack on top is ok
Front derailleur clamp diameter:	31.8mm, high direct mount standard, clamp adapter included
Bottom bracket shell:	73mm shell width, threaded standard English (1.37" x 24t)
Tire clearance:	29 x 3.0"
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 3.0" tire, for doubles, run a Surly O.D. Crankset for best tire clearance.)
Fork:	TIG-welded custom tapered butted 4130 CroMoly, 100-120mm suspension corrected, 1-1/8" steerer tube, 203mm disc brake clearance
Weight:	Medium = 5.88 lb (2.67kg)
Color:	Fork—uncut, 2.53 lb (1.15kg)
OPS Color:	Moonlit Swamp BlackMatte

BIKE SPECIFICATIONS

Component	Stock	OPS
Headset:	Cane Creek 40	Cane Creek 40 for 44mm
Crankset:	Shimano ZEE, 175, 170 on small	Surly O.D., 33t
Bottom bracket:	Shimano	Surly O.D.
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 M529	Shimano M529
Front/Rear tires:	Surly Knard 29 x 3.0", 27 tpi	Surly Knard 29 x 3.0", 27 tpi
Shifters:	Shimano SLX, 10-speed RH	Shimano SLX, 10-speed RH
Front derailleur:	MRP 1x guide. BB mount, yep	MRP 1x guide. BB mount, yep
Rear derailleur:	Shimano SLX/Shadow+ RD-M675	Shimano SLX, M675, Shadow+
Cog or cogset:	SRAM GG-1070, 10-speed, 11-36t	Shimano HG50, 10-speed, 11-36t
Stem:	Kalloy, 31.8mm	Kalloy, 31.8mm
Handlebar:	Salsa Wammy	Salsa Salt Flat
Saddle:	Velo, Steel rails	Velo, Steel rails
Seatpost:	Kalloy	Kalloy
Chain:	KMC x10	KMC X10
Extras:	Surly stainless steel post clamp. 14g DT Swiss spokes	Surly stainless steel post clamp. 14g DT Swiss spokes

INSTIGATOR 2.0 GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST Angle	HT Angle	HT		BB Drop	
	in	mm	in	mm	in	mm			in	mm	in	mm
XS**	12.8	298.6	21.8	552.8	21.9	555.0	73.0	67.5	3.9	100.0	1.2	30.0
S	14.8	376.4	22.5	570.8	22.8	580.0	73.0	67.5	3.9	100.0	1.2	30.0
M	16.8	427.2	23.0	584.7	23.8	605.0	73.0	67.5	3.9	100.0	1.2	30.0
LG	18.8	478.0	23.7	601.1	24.6	625.0	73.0	67.5	4.5	115.0	1.2	30.0
XL	20.8	528.8	24.5	621.6	25.4	645.0	73.0	67.5	4.5	115.0	1.2	30.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
XS	16.4	416.4	20.0	508.3	1.7	44.0	42.1	1070.5	29.1	738.7	23.0	584.5	14.9	377.9
S	16.4	416.4	20.0	508.3	1.7	44.0	43.1	1095.5	29.3	745.2	23.0	584.5	15.9	402.9
M	16.4	416.4	20.0	508.3	1.7	44.0	44.1	1120.5	30.4	771.6	23.0	584.5	16.6	422.9
LG	16.4	416.4	20.0	508.3	1.7	44.0	45.0	1142.0	31.4	796.7	23.6	598.3	17.5	443.7
XL	16.4	416.4	20.0	508.3	1.7	44.0	45.7	1162.0	32.6	827.7	23.6	598.3	18.3	463.7

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø700mm
**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.

COMPONENT SIZING

SIZE	Stem Length		Stem Angle degrees	Handlebar Width		Crank Length mm
	in	mm		in	mm	
XS	2.0	50.0	5.0	27.6	700.0	170.0
S	2.0	50.0	5.0	27.6	700.0	170.0
M	2.4	60.0	5.0	29.5	750.0	175.0
LG	2.8	70.0	5.0	29.5	750.0	175.0
XL	3.1	80.0	5.0	29.5	750.0	180.0

FRAME SPECIFICATIONS

Category	Description
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 diameter:	33.1mm, Surly stainless included
Headset/Steertube:	44.0mm ID headtube, taper steerer compatible, EC44 lower
Front derailleur clamp diameter:	34.9mm, high direct mount
Bottom bracket shell:	73mm BB Shell, ISCG05 mount
Tire clearance:	26 x 3.0"
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 3.0" tire, for doubles, run a Surly O.D. Crankset for best tire clearance)
Fork:	27.5 suspension fork (140mm travel)
Weight:	6.0 lb (2.72kg)
Color:	SolidGold Gold

BIKE SPECIFICATIONS

Component	Ops
Headset:	Cane Creek 40
Crankset:	Surly O.D., 30t
Bottom bracket:	Surly Endro
Brakes:	Shimano SLX BR-M675
Brake levers:	Shimano SLX BL-M675
Rims:	Surly Rabbit Hole 26+
Front hub:	Shimano SLX HB-M678, 15mm thru-axle, 32h
Rear hub:	Shimano SLX FH-M678, 12mm thru-axle, 32h
Front/Rear tires:	Surly Dirt Wizard 26 x 2.75", 27 tpi
Shifters:	Shimano SLX M670, 10-speed, RH
Front derailleur:	MRP 1x chain guide, ICSG 05
Rear derailleur:	Shimano SLX RD-M675, 10-speed Shadow+
Cog or cogset:	Shimano HG62-10, 11-36t
Stem:	TruVativ AKA, 31.8, 4-bolt
Handlebar:	Salsa Pro Moto, 31.8mm
Saddle:	Velo, Steel rails
Seatpost:	Kalloy
Chain:	KMC x10, NP
Extras:	Velo lock-on grips

BIG DUMMY GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST	HT	HT		BB Drop	
	in	mm	in	mm	in	mm	Angle	Angle	in	mm	in	mm
S	16.0	406.4	21.7	550.6	22.6	573.5	73.0	72.0	5.2	131.7	1.6	40.0
M	18.0	457.2	22.4	570.1	23.5	596.1	73.0	72.0	5.7	145.9	1.6	40.0
LG	20.0	508.0	23.2	588.7	24.2	614.1	73.0	72.0	6.3	160.8	1.6	40.0
XL	22.0	558.8	24.0	609.6	24.9	631.8	73.0	72.0	7.0	178.8	1.6	40.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
S	32.6	827.0	16.7	425.0	1.7	43.0	56.5	1435.9	29.1	740.4	22.3	566.5	15.7	399.6
M	32.6	827.0	16.7	425.0	1.7	43.0	57.4	1458.8	30.4	771.5	22.8	580.0	16.5	418.1
LG	32.6	827.0	16.7	425.0	1.7	43.0	58.1	1477.0	31.6	802.9	23.4	594.1	17.0	431.7
XL	32.6	827.0	16.7	425.0	1.7	43.0	58.9	1495.0	32.9	835.8	24.1	611.3	17.5	444.1

All dimensions are preliminary and are subject to change.

*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø676mm

COMPONENT SIZING

SIZE	Stem Length		Stem Angle	Handlebar Width		Crank Length
	in	mm	degrees	in	mm	mm
S	3.5	90.0	7.0	26.0	660.0	170.0
M	3.9	100.0	7.0	26.0	660.0	175.0
LG	4.3	110.0	7.0	26.0	660.0	175.0
XL	4.7	120.0	7.0	26.0	660.0	175.0

FRAME SPECIFICATIONS

Category	Description
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 diameter:	30.0mm, Surly stainless included
Headset/Steertube:	1-1/8" threadless
Front derailleur clamp diameter:	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 I.S. disc mount, removable cantilever pivots, line/housing guides
Weight:	Medium = 11.9 lb (5420g)
Color:	Asphalt Gray

BIKE SPECIFICATIONS

Component	Type
Headset:	Cane Creek 40
Crankset:	TruVativ FireX C3.1, 48-36-26t
Bottom bracket:	68mm, Included
Brakes:	Avid BB7, Cable actuated. 180mm rotors front & rear
Brake levers:	Avid FR-5
Rims:	Alex Adventurer
Front hub:	Shimano Deore M529, 36h
Rear hub:	Shimano Deore M529, 36h
Front/Rear tires:	Continental Town & Country, 26 x 2.1"
Shifters:	Shimano Deore M590, 3 x 9-speed
Front derailleur:	Shimano Deore M591
Rear derailleur:	Shimano Deore, M591 SGS
Cog or cogset:	Shimano HG-61, 11-34t
Stem:	Kalloy, AS-008
Handlebar:	Salsa MotoAce
Saddle:	WTB SST Comp
Seatpost:	Kalloy SP-342
Chain:	SRAM PC-971, 9-speed
Extras:	Quad water bottle mounts, Surly Trip Guides for continuous brake/shift housing or brake hydraulic line (toptube and seatstay routing), fender eyelets

STEAMROLLER GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST	HT	HT		BB Drop	
	in	mm	in	mm	in	mm	Angle	Angle	in	mm	in	mm
49cm	19.3	490.0	20.7	526.5	20.8	529.5	74.5	72.5	3.3	83.0	2.8	70.0
53cm	20.9	530.0	21.5	547.0	21.5	547.0	74.0	73.0	4.3	109.0	2.8	70.0
56cm	22.0	560.0	22.4	568.0	22.4	568.0	73.5	73.5	5.4	136.0	2.8	70.0
59cm	23.2	590.0	23.1	587.0	23.1	587.0	73.0	74.0	6.4	163.0	2.8	70.0
62cm	24.4	620.0	23.9	608.0	23.9	608.0	73.0	74.0	7.7	196.0	2.8	70.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
49cm	15.7	398.0	14.8	375.0	1.5	38.0	38.0	965.7	29.5	748.5	19.9	504.9	15.3	388.1
53cm	15.7	398.0	14.8	375.0	1.5	38.0	38.1	966.6	30.7	780.5	20.9	531.3	15.5	394.0
56cm	15.7	398.0	14.8	375.0	1.5	38.0	38.5	978.6	31.8	807.9	22.0	558.8	15.8	402.3
59cm	15.7	398.0	14.8	375.0	1.5	38.0	38.9	987.6	32.9	835.2	23.1	586.4	16.1	408.2
62cm	15.7	398.0	14.8	375.0	1.5	38.0	39.7	1009.1	34.1	865.3	24.3	618.1	16.6	420.6

All dimensions are preliminary and are subject to change. Cope.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø682mm

FRAME SPECIFICATIONS

Category	Description
Tubing:	Surly 4130 CroMoly steel. Main triangle double-buttet. TIG-welded
Rear dropouts:	Investment cast Surly track dropouts, 120mm spaced
Brake compatibility:	Standard reach post-mount road callipers, but there are no stops for housing
Braze-ons:	Eyelets on the rear dropouts and one set of water-bottle mounts on the seattube 'cause we're not camels
Seatpost diameter:	27.2mm
Seatpost clamp diameter:	30.0mm, Surly stainless included
Headset/steertube:	1-1/8" threadless
Bottom bracket shell:	68mm wide, standard English threaded 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
Fork:	4130 CroMoly, lugged and brazed 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.
Weight	53cm = 4.41 lb (2.0kg) 1-1/8" Fork—uncut 2.2 lb (1.0kg)
Color:	Monkey Butt Red and limited colors

1X1 GEOMETRY

SIZE	ST (C-T)		TT (C-C)		TT (EFF)		ST	HT	HT		BB Drop	
	in	mm	in	mm	in	mm	Angle	Angle	in	mm	in	mm
XS	14.0	355.6	20.9	532.0	21.5	546.0	73.0	71.0	3.5	90.0	1.6	40.0
S	16.0	406.4	21.6	549.0	22.5	571.0	73.0	71.0	3.9	100.0	1.6	40.0
M	18.0	457.5	22.4	570.0	23.5	596.0	73.0	71.0	4.3	110.0	1.6	40.0
LG	20.0	508.8	23.2	590.0	24.3	616.0	73.0	71.0	4.9	125.0	1.6	40.0
XL	22.0	558.8	23.9	608.3	24.8	631.0	73.0	71.0	5.7	145.0	1.6	40.0

SIZE	CS Length		FK (A-C)		FK Rake		Wheel Base		S.O. Height*		Stack		Reach	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
XS	16.5	419.0	17.8	453.0	1.6	40.0	39.8	1011.9	28.2	717.0	21.7	551.0	14.8	376.5
S	16.5	419.0	17.8	453.0	1.6	40.0	40.8	1037.3	29.3	745.0	22.1	560.5	15.7	398.6
M	16.5	419.0	17.8	453.0	1.6	40.0	41.8	1062.6	30.5	774.0	22.4	569.9	16.6	420.8
LG	16.5	419.0	17.8	453.0	1.6	40.0	42.6	1083.2	31.7	804.0	23.0	584.1	17.2	436.4
XL	16.5	419.0	17.8	453.0	1.6	40.0	43.3	1098.8	33.0	838.0	23.7	603.0	17.5	445.6

All dimensions are preliminary and are subject to change.
*Standover is measured from the top of the TT, at the center, with a tire measuring approximately Ø676mm

FRAME SPECIFICATIONS

Category	Description
Rear dropouts:	Investment cast Surly track dropouts, 135mm spaced
Braze-ons:	51mm disc tabs, 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 diameter:	30.0mm, Surly stainless included
Headset/Steertube:	1-1/8" threadless
Bottom bracket shell:	73mm wide, threaded English 1.37" x 24t
Tire clearance:	26 x 2.75"
Fork:	Suspension corrected for 100mm travel suspension fork. 100% CroMoly, tapered and butted, straight-blade
Frame color:	Stash Green & No Bottom Black

TRAILER SPECIFICATIONS

Category	Description
Tubing:	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:	20" up to 29" and up to a 29 x 3.0" tire
Seatpost diameter:	Bill (long bed) = 63 x 24" (1608 x 610mm), Ted (short bed) = 32 x 24" (813 x 610mm)
Platform dimensions:	30.0mm, Surly stainless included
Braze-ons:	5 x 1mm threaded barrels for securing a platform; corner stake eyelets
Bottom bracket shell:	73mm wide, threaded English 1.37" x 24t
Maximum tongue load:	50 lb (22.7kg)
Maximum total load:	300 lb (136kg)
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)





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