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### A Note About the Specs...

At the time of printing, these specs were as accurate as possible. But like it says in the catalog: "Trek bicycles are equipped with components from sources worldwide. Specifications are subject to change without notice". So if we changed a bike's headset for some reason, the steerer length listed may be incorrect. The information in these pages is not intended to replace good mechanical skills and practices, just to help good mechanics do their job.

A further note concerning bike weights: Each year we are faced with the request for full bike weights in our specifications. We do our best, but its important to realize that these weights come from show bikes. Many of our suppliers have not built the production pieces we will be using when we produce the real bikes, so we are forced to use mockups or a supplier's estimate of the weight of the real parts.

#### A Note About the Format...

Prior to each section of bicycles, we've listed some of the important things to remember in assembly and maintenance of these bikes. We've also tried to list some of the small parts not listed in the bicycle specifications pages.

# YOU AND THE LAW

# How do you defend yourself against the threat of a lawsuit?

Obviously, you need to do a thorough and careful job assembling and repairing bikes. We take pride in the quality workmanship offered by our Trek dealer network. That being a given, why would someone sue you? Most lawsuits involve at least one of these concepts: Failure to inform, and failure to document.

Failure to inform means that the plaintiff (the person suing you) claims they were never told that an activity could be injurious. Most common under this circumstance is accidents involving quick releases and toe clips or clipless pedals. But we have even been sued by a plaintiff claiming they did not know that riding too slow may cause them to fall.

How do you deflect these expensive complaints? Explain the mechanisms on every bike sold, and make sure that every sold bike includes ALL the literature provided. If you did a good job discussing the consumer's needs, you can also recommend the necessary accessories to help them safely enjoy their new bike, such as a helmet or lights.

OK. So you do a careful job in assembly. You tell the consumer how to use the bike safely. And you make sure they have everything they need to safely ride the bike.

#### IT'S STILL NOT ENOUGH!

In a court of law, you must prove that the bike was thoroughly assembled and that the consumer received the necessary safety information including the correct Owner's Manual, the correct fork manual, and any other consumer information we placed in the bike box and Owner's Bag.

To be effective, the proof that you gave the customer this information must be in writing. Using a bicycle check-out form for every sold bike is a good idea. Such forms state that the bike has been checked by a mechanic (with the date and their initials), that the bicycle's mechanisms have been explained by you (with date and initials) and understood by the consumer and that a manual has been received (with date and their signature). A nice service would be to take it one step further and fill out the customer's Owner's Manual page for them with serial number and your shop info, as well as helping the customer fill out their warranty card.

Next, you must prove that you do a thorough assembly on every bike. Does your shop have a written standard for assembly, detailing the work you do? Do your mechanics fill out paperwork detailing the work done, with date and signature? Is there a follow-up check on assembled bikes? If so, it too should be documented.

Our last advice may seem like common sense, but if you're going to lose a tag, Murphy's Law says that it will be the one you need. Make sure you have a reliable system for storing your documentation. If you can't find it, it's as good as not having filled it out.

Inform and document. These precautions may not keep you from being sued, but when the plaintiff's attorney sees that you can prove your side of the story, they will be much less likely to bring suit.

#### Warnings

When we produce our Owner's Manuals, a lot of thought goes into warning your customers of hazardous practices regarding their bikes. We hope you also read those manuals, but here's a few of the warnings to remind you:

- Read Chapter 1 now! It contains important safety information which you should read thoroughly before you ride your new bicycle.
- Before you ride your new bike, you should read this entire chapter. It includes safety, operational, and riding information that you should know before riding your new bicycle!
- Never allow your foot or toe clip to contact the front wheel when turning. This may cause loss of control resulting in personal
- This is not a comprehensive maintenance program. Check the entire bicycle carefully. If you spot a problem, do not ride the bike until it has been corrected. If you are not certain if your bike has a problem, take your bike to your Trek dealer.
- If your brakes are not working properly, do not ride your bicycle. Refer to the Brake System section of Chapter 3 or take your bicycle to your Trek dealer for service.
- Some brakes, like direct-pull brakes or disc brakes, are extremely powerful. Initially practice using your brakes at slow speed. Overuse of any brake system can cause loss of control resulting in personal injury.
- Never touch disc brakes after hard use. The disc may be very hot.
- Failure to tighten wheel axle nuts, or have wheel quick release retention mechanisms properly adjusted and closed may cause loss of control resulting in personal injury. If you have any questions about the operation of this system, consult your Trek deal-

- Be careful when riding at night.
- Your Trek is equipped with a full set of reflectors; keep them clean and in position. As useful as these reflectors are, remember that they do not help you see, nor do they help you be seen unless light is directed on them. Use a working headlight and a tail light when you ride at night. Also wear light, bright, and reflective clothing, especially at night, to make yourself more visible. The important thing is to see and be seen. A number of products will help you achieve this. If you do any amount of night riding, visit your Trek dealer to see what's available.
- Be careful when riding in wet conditions.
- No brakes, whatever their design, work as effectively in wet weather as they do in dry. Brakes, even when properly aligned, lubricated, and maintained, require greater lever pressure and longer stopping distances in wet weather. Anticipate the extra time it will take to stop. Also remember that wet weather causes reduced visibility (both for you and for motorists) and reduced traction. Use slower cornering when traction is reduced. Wet leaves and manhole covers are other wet weather hazards.
- · Never modify your frameset in any way, including sanding, drilling, filing, or by any other technique. Such modifications will void your warranty, may cause your frame to fail, and may contribute to loss of control resulting in personal injury.
- Improper use of toe clips and straps may cause loss of control resulting in personal injury. If you are uncertain about the operation of this system, consult your Trek dealer.
- Improper use of the clipless pedaling foot-retention system may cause loss of control resulting in personal injury. If you are uncertain about the operation of this system, consult your Trek dealer.
- · Loose bar ends, incorrectly positioned bar ends, or catching bar ends on objects may cause loss of control resulting in personal
- If you are unsure of the safety of your handlebar system, do not ride the bicycle. Take the bicycle to your dealer for adjustments. Never ride your bicycle with the stem raised above the minimum insertion mark (sometimes called the maximum height mark, see Fig. 28) as this may cause loss of control resulting in personal injury or damage to your bicycle. A minimum of 2 3/4 inches (70mm) of the stem must always remain in the frame.
- Make sure that the minimum insertion mark, also called the maximum height mark (Fig. 31) remains inside the frame. A minimum of 2 1/2 inches (64mm) of seatpost must remain in the frame. Riding with the seat raised above this height may cause loss of control resulting in personal injury or damage to your bicycle.
- · Riding a bicycle with an improperly adjusted headset can cause loss of control resulting in personal injury.
- If you are not certain your brakes are working properly, or you suspect a problem with your brake cables or hose, do not ride your bicycle. Refer to the instructions in the appropriate section of this manual or take the bicycle to your Trek dealer for service.
- If there is movement between the axle and the hub, or you suspect the hub may need an adjustment, do not ride your bicycle. Take your bicycle to your Trek dealer for service.
- Failure to keep suspension bolts tight, or to maintain adequate clearances between tire and fork crown or straddlewire carrier and brake cable housing stop may cause loss of control resulting in personal injury.
- · The cooling fin and hub shell of the Shimano Inter-M roller brake can get very hot and could cause burns. Do not touch the hub for at least 30 minutes after braking.
- Never modify your frameset or bicycle components in any way, including sanding, drilling, filing, or by any other technique. Do not attempt to remove the PAS cover or disassemble the PAS drive system. If a problem occurs, consult your Trek dealer. Such modifications will void your warranty, may cause your bicycle to fail, and may contribute to loss of control resulting in personal
- · Do not operate the PAS main switch while in motion. If you forget to turn on the main switch prior to riding, stop the bicycle before activating the switch.
- Turn the PAS off when roadways are slick. The added torque of the PAS can cause the rear wheel to lose traction which may cause loss of control resulting in personal injury.
- Never attempt to modify or disassemble the PAS . If you think the system has malfunctioned, stop riding the PAS immediately and refer to the Troubleshooting section to try and determine the problem. If the problem is still not corrected, take the ElecTrek™ to your Trek dealer.
- Make sure the rim strip covers all of the spoke holes or spoke heads. A punctured inner tube may cause loss of control resulting in personal injury.

# **ASSEMBLY INFORMATION**

# **Factory Assembly Standards**

Trek bikes are manufactured and assembled with a very high level of attention to detail. Many considerations are given to every aspect of the bike, from value to the consumer to assembly ease for the dealer. Although most of the questions we run into have straight forward, common sense answers, they may not all be immediately clear. Here, we detail some of the assembly considerations of Trek bikes from the factory.

# **Parts Installation Specifications**

On the assembly line, most of the parts are installed using torque calibrated air tools. This ensures that critical parts are installed correctly. The torque specs we follow are listed on page 8, although there are a few exceptions which we detail here:

- Front derailleur- To prevent damage of the paint on the seat tube, front derailleurs are installed at about 20 lb•in, much below their correct torque. After final adjustment, they should be tightened to Shimano's spec.
- Headset nut- Since stem insertion will effect the headset adjustment, we do not set the bearing adjustment of the headset, nor do we tighten the headset locknut past 10 lboin.
- Handlebar clamp bolt- The position of the handlebars varies according to preference, so these bolts are only tightened enough to hold them during shipping.

Although we intend to have all other fasteners correctly tightened, bikes get a variety of treatment after leaving the factory which can effect the work we've done. Bolts can be shaken loose and wheels can be knocked out of true. For this reason, we expect that your assembly procedures will include checking to ensure that ALL fasteners on the bike are tight. We also expect our dealers to assemble and adjust Trek bikes to a very high standard. After all, we both want everyone riding a Trek to be safe and happy with their new bike!

# Wheel Processes and Overall Quality Improvements

Each year we strive to improve the quality of bikes delivered to you. An important part of the bike which we've really worked hard on is the wheels. To address your needs we have done the following:

- Waterloo wheels are 100% DT spokes
- Waterloo wheels are 100% Velox rim tape equipped
- New wheel packaging
- New build processes, including: Uniform thread lubrication Control of tolerances at lacer Redesigned wheel stressors (we use 2 at different stages of the build, and each is used twice)
- 35% improvement in spoke tension consistency 75% improvement in lowest tension in wheel

Wheel Specifications: We use computer controlled wheel lacing machines which assemble a wheel off the programmed information for spoke length, hub characteristics, and rim dimensions. After lacing, each wheel is stress relieved on a pneumatic press, and then goes through one of our 7 Holland Mechanics wheel truing robots. These machines use a computer program and light sensors to true, dish, and tension the wheels. The machines can be programmed to set their limits of accuracy, which is determined by the number of times the robot goes around the wheel. We use 3 rounds per wheel, about the highest degree of accuracy in the industry. When the wheel exits the robot, it gets stress relieved one more time, and then hand checked for true on a vellum. A vellum is a hypersensitive truing stand, using dial indicators to show run out of both true and round. Our standard for each is .7mm total runout. In addition, we also randomly check wheels for overall tension with hand tensionometers which are re-calibrated each day for accuracy.

# **MISC. PARTS INFO**

#### Triple Clamp, Dual Crown Forks

Triple clamp forks put additional stress on a bike frame applied by both the extra length and the extra stiffness. For this reason, triple clamp forks should not be put on any Trek other than the '98 dual suspension frames.

#### **Direct Pull Brake Levers**

Direct-pull brakes (Shimano calls theirs 'V' brakes) have increased leverage and stopping power, so only use levers recognized as compatible with these brakes.

Since these brakes supply what may be a greater than expected braking force, it's important to educate your customer regarding direct-pull brakes. Riders should practice use of direct-pull brakes at a slow speed to learn their operation. This is particularly important with bikes having a high center of gravity or narrow tires. If direct-pull brake levers offer adjustable braking force, read and follow the manufacturer's instructions supplied with the bike before making any such adjustment.

### Shimano Rapid Rise Shifting

For 1998, Shimano has introduced two new rear derailleurs, with accompanying shifters, which are a departure from their RapidFire shift systems of the past. Called Rapid Rise, these new derailleurs have several distinct features not found on other rear derailleurs.

First, the rear derailleur works in reverse of older models; that is, pulling cable makes the derailleur move to smaller cogs (higher gears). This allows a powerful downshift action for fast accelerations. Second, shifts to larger cogs are made by spring tension, so shifts into a lower gear are smooth and predictable. The two models receiving this new design are the new Shimano XTR (M951) and the Shimano Nexave. While this design works best when coupled with the new shifters, the Rapid Rise design is compatible with non-Rapid Rise shifters. The difference is the shifters work backwards (the thumb shifts to smaller cogs/higher gears, and the finger shifts to larger cogs/lower gears). On Rapid Rise shifters, this is intentional. On older shifter designs, the shifting works in the same fashion, so the only real drawback is that any optical indicators will work backwards.

This enhanced shifting action allows another benefit: while coasting, a rider can 'pre-select' a gear so that when they resume pedaling, the bike shifts smoothly and quickly into the chosen gear. This is especially beneficial when shifting in changing terrain, where it's not always possible to keep the cranks spinning but the rider knows they will need to be in another gear when they resume their pedaling.

Last, the rear derailleur uses a roller device to reduce friction at the rear derailleur. This allows (requires) a much shorter rear derailleur housing, and the result is much lower cable friction and snappier shifts.

#### SP40

On all Waterloo built bikes, we use SP40 shift cable housing. The smaller diameter allows the housing to be more flexible, so it affects steering less, as well as reducing friction. SP40 housing comes with a choice of endcaps, either sealed or not. All ours are sealed, so lubricating the cables requires grease to be inserted into the housing (grease on the cables will be mostly wiped off as you insert a cable though the seal). We have taken the time to grease this housing, but you must install it correctly or you will only push the grease out of the housing.

To correctly install the housing, notice the end caps. If one end cap has more rings than the other, this indicates the end of the housing which had grease inserted. Thread the cable through the end cap with the most rings first. If the end caps have the same number of rings, look for the Shimano label on the housing. Insert the cable into the end of the housing with the Shimano label.

On LX and higher level shifters, Shimano includes a shift housing bootie. When properly fitted to a special housing end cap (with a protruding plastic tube we refer to as a 'snout') the bootie seals the upper end of the cable from water penetration which could degrade rear derailleur shifting performance. To properly utilize this feature, prior to inserting the rear derailleur cable into the piece of housing leading into the derailleur itself, slide the bootie onto the cable with its smaller diameter end pointing towards the shifter. Then insert the cable into the 'snout' end cap and thread through the derailleur as normal. The snout should protrude through the seatstay housing stop and protrude about 5-8mm. Slide the bootie down over the snout and Voila! you have sealed this area from water penetration.

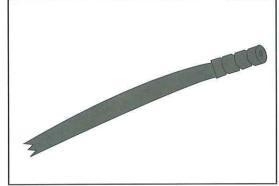
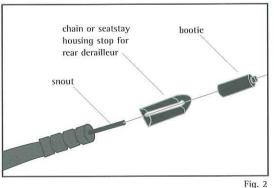


Fig. 1



#### **SRAM Worm Bootie**

For 98, GripShift has designed a sophisticated piece which does the same thing as the Shimano bootie, but without adding cable friction. It comes with instructions for installation.

# MISC. PARTS INFO

#### Reflectors

Check that front and rear reflectors are oriented so that their reflective surfaces are perpendicular to the ground, and that all reflective surfaces are clean and in good condition. The front reflector should point directly forward, and the rear should point directly back. The rear reflector should be at least three inches below the top of the seat.

#### Rolf Wheels

Rolf wheels set a new standard in wheel performance with patented Paired Spoke Design technology. Paired Spoke Design Rolf Wheels are light, fast, and rock solid. Rolf Wheels solve all of the problems associated with conventional low spoke count wheels:

- Inherent radial and lateral rim deviations
- Truing difficulties
- Shorter rim and spoke fatigue life
- Performance robbing weight increases

The key is the patented Rolf Paired Spoke Technology. Lateral force at the rim, generated by the spokes, is perfectly balanced. This has many effects. As the wheel turns with a rider on the bike, the rider's weight presses down on the rim, and in turn, the ground presses the rim up toward the hub. As this happens with a conventional low spoke count wheel, each spoke goes through a cycle of tightening and loosening. This cycle of stress and release may create spoke fatigue which can eventually lead to spoke or even rim failure. With Rolf wheels, the spokes are much more highly tensioned, and they're in pairs. Since the spokes are more highly tensioned, they lose less tension as they are released. They also share the load, effectively cutting it in half, so spokes last much longer.

With a good quality wheelset, spoke fatigue takes a while to occur. But another effect that happens all the time with conventional low spoke count wheels is that as each spoke has its tension released at the bottom of the wheel, it allows the rim to move slightly out of true, so the wheel does not track straight. With Paired Spoke Technology, this does not happen because the pairs of spokes do not exert unbalanced force on the rim. With Rolf Wheels, the bike handles better and goes faster.

Still another effect of the cycling of spoke loads is that of nipples loosening and the resultant loss of true. Rolf wheels attack this problem in 3 ways. First, Paired Spoke Technology allows a higher spoke tension because the rim does not see unbalanced lateral forces. With conventional low spoke count wheels, over tensioning can cause rim failure. Paired Spoke Technology keeps the spokes from being loosened as much as conventional spokes. And, Rolf wheels use a custom alloy spoke nipple with a nylon insert to prevent loosening.

Last, why the funny looking rear hub? Rolf wheels use special hubs which support the spoke elbow better. Better spoke elbow support means longer spoke life. But the real key to the hub is torque transmission to the non-drive side spokes. With a conventional hub, all torque is transmitted solely through the drive side flange. That's why many of the low spoke count wheels use radially laced spokes on the left side. But let's do a spoke count. If only the drive side spokes transmit torque, and only half those spokes are pulling, then only 1/4 of the spokes in a conventional rear wheel carry all the torque loads for the wheel. For a 32 spoke wheel, that's just 8 spokes. You can do the math on those other low spoke count wheels. But on Rolf wheels, torque is transmitted through both the left and right flanges, so 1/2 the spokes carry the torque. In other words, a 16 spoke Rolf rear wheel has as many spokes transmitting torque as a 32 spoke conventional wheel. And each of those Rolf wheel spokes is paired so there is no lateral rim deflection and the Rolf wheels are more efficient!

Paired Spoke Design technology allows a higher spoke tension because the rim does not see the unbalanced lateral forces found with alternating spoking patterns. For Rolf wheels, spokes should be tensioned as follows:

Front- 175 to 210 lbs.

Rear, Drive side-

340-410 lbs.

Non-drive side- sufficient to center or dish the rim

This tension is greater than most tensionometers can accurately measure. The next best way to determine correct tension is to listen to the tone of the spoke when you pluck it, and compare it to that of a factory tensioned wheel.

Rolf spokes are bladed 13 gauge so are much stronger than conventional spokes. Rolf wheels also use special self-locking alloy nipples for low weight and resistance to unthreading. Rolf nipples require a 3/16" nut driver or socket-type spoke wrench which will fit through the access holes in the rim.

While Rolf wheels do require some special parts don't try drilling your own rims or substituting weaker conventional spokes.

Rolf Part	Part Number
Rolf self-locking aluminum nipples w/washers	983798
DT 13g bladed spoke, 287mm	984511
DT 13g bladed spoke, 289mm	984512
Rolf 14° rim	983800
Rolf 16° rim	983801
Front Rolf/Hugi hub	984179
Rear Rolf/Hugi hub, Shimano 8/9spd cassette	984180
A Mil	

# A WORD ABOUT TORQUE

These torque specifications are listed to help you determine the correct tightness of parts and their threaded fasteners. More than anything, these should be used to make sure you do not over tighten the fasteners. Over torqueing a fastener does not provide extra holding power and may actually lead to damage or failure of a part. Over tightening bar ends can crush a handlebar, or over tightening a stem expansion bolt can bulge the fork's steerer. Usually, these parts would have been safely tightened at a much lower torque. In other words, once a part is tight enough to stay tight and be safe, it rarely does any good to tighten the part any further.

We offer a range of torque specifications for several reasons. First, most torque wrenches have widely spaced increments, i.e. 25 lboin or even 50. Second, there is a margin of error since few torque wrenches are ever recalibrated. Third, the required torque to safely attach a part varies by its manufacturing tolerances. In other words, different stems in different bikes may require different torques to achieve the same clamping force due to slight differences in diameters or surface finish. A further consideration is that a well designed clamp will correctly attach a part at a lower torque than a poorly designed clamp. For this reason we have included some torque specs which are specific to certain parts. Please be aware of these special torques.

In many cases, a lower torque value than listed may adequately tighten the part for normal function and safety. Other than torque specs, how do you determine if a part is adequately tight? Most parts have simple function tests you should perform. As an example, to test if a stem is adequately tightened to the fork, place the front wheel between your knees and try to rotate the stem by pulling on the handlebars. While this test is somewhat subjective, it places a much greater force on the system than is required of the stem clamping force in normal riding.

# **TORQUE SPECIFICATIONS**

THE ROLL SHE SE			
Item		LB•IN	Nm
Handlebars	Handlebar clamp bolt, forged stem	150-180	17-20.3
	Handlebar clamp bolt, welded stem	100-120	11.3-13.6
	Stem expander wedge bolt	175-260	19.8-29.4
	Direct connect steerer clamp bolt	100 100	11 2 12 6
	External pinch type	100-120	11.3-13.6 7.9-10.1
	Icon stem with external pinch bolts	70-90	17-20.3
	Steel stem with hidden steerer clamp bolt	150-180	19.4-24.3
	Aluminum stem with hidden steerer clamp bolt	172-215	9.8-14.1
	Bar end attaching bolts	85-125 50-90	5.7-10.1
	ICON Carbon handlebars		
Seats	Seat attaching bolt, single bolt	150-250	17-28.3
	Seat attaching bolt, double bolt w/5mm allen wrench	80-125	9.6-14.1 5-6.8
	Seat attaching bolt, double bolt w/4mm allen wrench	45-60	17-20.3
	Seat post binder bolt	150-180	17-20.5
Cranks	Crank arm bolt	305-435	35-50
	Chainring bolt	50-70	5.7-7.9
	Pedal attachment	350-380	40.2-42.9
	Shimano cartridge fixed cup	435-608	50-70
Wheels	Wheel axle nuts	130-210	14.7-23.7
VVIICCIS	Shimano cassette lockring	261-434	30-50
Derailleurs/Shifters	Front derailleur clamp bolt	40-60	4.5-6.8
Derailleurs/Silitters	Rear derailleur attaching bolt	70-85	7.9-9.6
	Front and rear derailleur cable clamp bolt	35-52	3.5-5.9
	Shifter clamp bolt	44	5
	Combination shift/brake lever attaching bolt	53-69	6-8
	GripShift clamp bolt	25	2.8
Brakes	Brake lever attaching bolt, standard	44	5
Drukes	Brake lever attaching bolt, Hayes hydraulic	25-35	2.8-4
	Combination shift/brake lever attaching bolt	53-69	6-8
	Brake caliper attaching bolt	69-87	8-10
	Cantilever or direct pull brake attaching bolt	40-60	4.5-6.8
	Caliper brake pad attaching bolt	43-61	5-7
	Cantilever or direct pull brake pad attaching nut	70-80	7.9-9
	Brake cable clamping bolt	50-70	5.7-7.9
	Rotor attachment bolt	45-55	5-6.2
	Hayes caliper attachment bolt	60	6.8
Frame Attachment	s Water bottle attaching bolt	20-25	2.3-2.8
Tunic / teaching	Derailleur hanger attachment bolt	50-70	5.7-7.9
Υ	s Shock mount and plate mounting bolts	133-164	15.1-18.5
,	Pivot bolts	100-110	11.3-12.4
Suspension Fork	1 2	60	6.8
Suspension Fork	RockShox triple clamp fork crown pinch bolts	60	6.8
	Manitou triple clamp fork crown pinch bolts	70-80	7.9-9
Cumpucian Stan	s Flexstem axle bolt	65-75	7.3-8.5
Suspension Sten	13 FICASTEIN WATER SOIL		

# THREADED FASTENER PREP

Modern bicycle mechanics often requires the use of thread prepping agents or thread bonding agents. Used properly, these agents are well suited for the applications where we use them. Used improperly, they can provide poor performance or more serious problems.

## **LocTite Applications**

We use LocTite, or similar product, in a variety of applications in fabrication and assembly of Trek bikes and components on those bikes. Here's a partial list, and the recommended LocTite product:

Suspension forks	Crown pinch bolts	242 Blue
	Brake arch bolts	242 Blue
	Cantilever studs	242 Blue
Rear suspension	Pivot axle bolt, left	290 Green
	Pivot axle bolt, right	242 Blue
	Pivot bushings, frame/swingarm	290 Green
	Shock mount bolts	242 Blue

## **Applying LocTite**

First, use LocTite carefully. Follow the instructions on the package, avoiding contact with your skin, or inhaling the vapors. As noted on the package, LocTite contains a known carcinogen.

For LocTite to work correctly, the parts must be clean and dry, with no grease, oil, or dirt. LocTite Klean 'N Prime is an excellent cleaner and will reduce fixture time.

With blue 242 LocTite, apply to the threads prior to assembly. It will set up in 20 minutes, with full cure taking 24 hours. With green 290 LocTite, application is recommended after assembly. However, this can be impractical with hidden threads, like on the rear suspension pivot bolts, or when using as a fixing agent for Trek bottom brackets or rear suspension bushings. 290 is set in 3 minutes, and again requires 24 hours for a full cure. Please do not confuse LocTite 290 with LocTite 640, which is also green, as 640 can make disassembly much more difficult.

## **Highly Recommended Grease Applications**

Most threaded fasteners will benefit from the application of a light grease-type lubricant. This prevents corrosion and galling, as well as allowing a tighter fit with a given torque. For this reason, it's a good idea to lubricate almost all threaded fasteners. But some fasteners and parts interfaces really need grease. Here are a few:

- Seatpost/seat tube interface Grease the seatpost where it inserts into the frame on all aluminum and steel frames.
- Bottom bracket threads We recommend applying grease to all bottom bracket/frame interfaces, as well as the bearing/cup interfaces. This prevents corrosion and will virtually eliminate creaks, a common complaint among riders with cartridge bottom brackets.
- Stem/steerer interface Grease the quill of conventional stems where they insert into the fork. With Aheadset type stems, a light oil is recommended, as grease may make it difficult to properly secure this type of stem to the steerer.
- Stem/handlebar/bar end pinch bolts Any and all of these fasteners are small, so corrosion or galling can really cause problems. Its also critically important to the riders safety that they be correctly tightened. Grease both the threads, as well as the bearing surface of the fasteners which rotate against the fixed part.

#### Places to Avoid Grease

- With OCLV Mountain, Y, and Road bikes DO NOT grease the seatpost. A fiberglass sleeve bonded into the seat tube prevents corrosion, and any grease may cause the seatpost to slip, even with correct seatpost binder torque.
- Bottom bracket axle/crank arm interface Avoid greasing the tapered spindle of a bottom bracket, as this may allow
  the crank arm to insert an incorrect distance onto the bottom bracket spindle. This can cause crank arm clearance
  problems with the frame, or incorrect chainline with the specified components. A light oil will adequately prevent
  any unwanted corrosion in most cases.

Disc brakes offer several advantages over a conventional rim brake (technically a disc also, but without some of these advantages). First, a disc is further from the debris of the trail, whether its water or mud on the rim, or dings in the rim from hitting rocks; the disc brake works on a better medium for good, smooth control.

Although a disc brake pad can wear, it's a very hard material and wears parallel to the brake surface. Pad adjustment is not necessary, nor is their replacement as frequent. When pads do need replacement, you just pop them into a spring clip which can often be accomplished without tools. No alignment is necessary unless the caliper, or brake body, is out of adjustment.

Third, although a really hot rotor can burn your hands (remember this, and be sure to warn your customers!), the resulting heat will not add inflation pressure to your front tire like a hot rim does.

Hayes offers a combination of benefits not found on other disc systems.

- Hayes uses only hydraulic pressure to activate the pads so actuation is immediate and positive. A cable stretches and housing compresses, diminishing the pressure applied to the rotor. Since the Hayes is fully hydraulic, there is no loss of energy and stopping power is always 100%.
- Hayes brakes use a dual piston design, where two separate pistons approach the rotor from opposite sides. Some systems use a single piston to push the rotor against a fixed surface. This obviously requires that the rotor be flexed. In addition, with Hayes brakes, both pistons retract fully from the rotor so there is no brake drag.
- Hayes uses a stainless steel rotor and inorganic brake pads. The rotor is a patented design to prevent warping under hard braking loads or heat.
- Hayes uses an Open System, where the hydraulic fluid volume is readjusted with each brake application. This has several benefits; the pads self adjust for clearance over the rotor, brake actuation is always exactly the same, brake pad clearance is not effected by heat, and you get predictable performance every time you apply the brake.

Because a disc brake puts a rotating torque on the fork tip and the front wheel attachment, it's highly recommended that only high force, heavy duty quick releases be used. And you already know that such a quick release adds to steering precision by reducing independent leg action on a suspension fork.

So how do you adjust a brake where the pads need no adjustment? Follow these tips:

- Never squeeze the lever with the rotor out of the caliper. If you should do so, the pads will only retract to their normal clearance (but as if the rotor was between them, which it is not). To fix this, slip the pads out of their clips. Just grab the little 'finger' with some pliers and pull. They should come right out. Use a 12mm closed end wrench to push the pistons as far back into the calipers as possible. Reinsert the brake pads. The rotor should now fit easily between the pads.
- When installing a Hayes brake with an adapter (like with RockShox forks) make sure the brake pads fully engage the rotor. The adapter is not symmetric, so it is possible to install the brake so that the pads do not fully engage, reducing braking power.
- After installing the wheel fully, squeeze the brake lever a dozen times to set the hydraulic pressure and pad clearance over the rotor. Spin the wheel. If the pads rub, the caliper needs to be realigned. To do this, loosen the caliper attachment bolts. While firmly squeezing the lever, retighten the bolts. Spin the wheel to test the adjustment.
- Take care to avoid damaging hydraulic lines. Do not pinch or squeeze them. Crimps will decrease the volume of the hose, increasing pressure which will probably mean unavoidable pad drag on the rotor. To remedy this, a new hydraulic line must be installed. Replacing hydraulic hose goes beyond the scope of this manual. Please refer to the Hayes manual for further instruc-
- Avoid getting hydraulic fluid on any finished part, like painted frames, anodized finishes, or carbon fiber composite. Hydraulic fluid can mar the finish or degrade the strength of some materials. It's also not something you want on your skin. If you get hydraulic fluid on your skin, wash immediately with soap and water. Don't drink it. And, as when performing any procedure in the shop, you should always wear safety glasses.
- Do not attempt to modify the brakes by letting air into the system, or by any other means. Always follow the procedures outlined by Hayes when performing any service to Hayes brakes.

Left brake lever and brake caliper, 61 cm length Left brake lever and brake caliper, 69 cm length Left brake lever and brake caliper, 75 cm length Boxxer adapter 6.3" rotor Brake/adapter mounting bolts, pair Front line clip Canti hole screw, fork, pair Front Hugi hub, 32°, for 6mm quick release 20mm through axle Rear Hayes/Hugi hub, 32°, for 5mm quick release	Part Number 981766 982974 982975 983820 981770 981771 981773 983822 981767 982973	Right brake lever and brake caliper, 116 cm length Right brake lever and brake caliper, 122 cm length Right brake lever and brake caliper, 135 cm length Judy/SID adapter 8" downhill rotor Rotor mounting bolts, qty 6 Rear line clip, qty 3 Canti hole cap, rear, pair Front Hayes/Hugi hub, 32°, for 20mm through axle Front Hayes hub, 32°, for 6mm quick release Front Hayes hub, 32°, for 6mm quick release	Part Number 982976 982977 982978 981769 983821 981772 983777 983823 982979 981768 981767	
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#### **Inflate Air Shocks**

To provide the best service to you, we design all our bike boxes (except tandems) to be shippable via UPS. Large size Y bikes will not fit into a UPS sized box without deflating the rear shock. Before assembly, inflate rear shocks to an air pressure appropriate for the intended user.

#### Seatposts

Aluminum Y bikes require greasing of the seatposts. However, with OCLV Y bikes, like their Mountain and Road counterparts, DO NOT grease the seatpost. A fiberglass sleeve bonded into the seat tube prevents corrosion, and any grease may cause the seatpost to slip, even with correct seatpost binder torque.

Y bikes are designed to accept 27.2mm seat posts with a tolerance of 27.10 to 27.20mm outer diameter. Measure the seatpost for conformity to this tolerance prior to installation.

A minimum length of seatpost must be inserted in the frame. The seatpost may be raised to this point without damaging the frame. For seat post binder bolts, tighten to 85-125 lboin (9.6-14.1 Nm).

### Removing Headset Cups

When removing an headset in an OCLV frame, make sure the headset removal tool is engaging the headset cup. OCLV framesets do not utilize a continuous headtube, but instead use two short inserts to support the headset cups. If the headset tool is outside the insert, rather than inside the insert and pressing on the cup, frame damage can result.

#### Special Torque Specs

Shock mounting bolts	LokTite 242	133-164 lb•in	15.1-18.5 Nm
Pivot bolt (fixed side)	LokTite 290	100-110 lb•in	11.3-12.4 Nm
Pivot bolt (removable side)	LokTite 242	100-110 lb•in	11.3-12.4 Nm
Derailleur hanger screws	LokTite 242	20-30 lb•in	2.3-3.4 Nm

Special Parts Pivot axle assembly: Pivot axle, 2 bolts, 2 washers	<b>Part #</b> 64304
Pivot bearing set: Main cylinder bearing, 2 swingarm tophats	64305
Shock mount bolt set, Cro-Moly rear - Front bolt, rear bolt, 2 nuts	982253
Shock mount bolt set, aluminum rear - 1 front bolt, 3 rear bolts, 4 nuts	981977
Shock mount plates, pair, standard length	981972
Shock mount plates, pair, for 100+mm fork travel	981973
Derailleur hanger kit- Derailleur hanger, screw	980116
Rear shock mount cable guide	982260
135° pipe, for rear direct pull brake on aluminum Ys	970343

#### **Top Swing Front Derailleurs**

When Shimano instituted the Top Swing front derailleur with its lowered band clamp, we had to redesign our bike rear triangle to accommodate it. Due to space constraints, the new rear triangle will not work with older, high band clamp front derailleurs.

#### **Bottom Bracket**

Be sure bottom bracket threads are clean and well greased before insertion. Failure to do so may cause galling of the threads, especially when inserting into an aluminum bottom bracket shell.

#### Replacing Pivot Bearings

Pivot bearings are held in place by the pivot assembly, but also with LokTite 290. To remove the bearings, after removing the axle, drive them out with an appropriate punch (the right sized socket works great). Clean and prep the surfaces of the frame and new bearings with LokTite primer, being careful not to expose the bearing material or painted surfaces to the primer. LokTite Primer will damage the paint or remove lubrication in the bearing. Apply the LokTite, wipe off any excess after installing the bearings, and assemble the pivot. Allow to cure for 24 hours before riding.

#### Disc Brake Adapters

Some suspension forks, like RockShox, require an adapter to mount the Hayes disc brake. Note that the adapter is not symmetric. In other words, make sure you have installed the adapter so that the pads fully contact the rotor. If you install the adapter incorrectly, only part of the pads will contact the rotor and braking force will be less than it should be.

# Y BIKES

## New Y aluminum swingarms

The new Y aluminum swingarm features an adjustable shock system. The Ys with aluminum rear triangles all come with the standard shock mounting plates. These plates are assymetric so that if removed and turned over, the shock compression ratio and leverage ratio can be changed to make the rear shock function slightly different (about a 10% change). When installing the plates, hand tighten all the bolts before torquing them to spec.

In addition to the tunability of the compression ratio, another plate set is available. These are made to correct the Y Glide steering geometry when a longer fork is used; one with a longer axle to crown race dimension. They can also be used to allow a rider to ride something other than our 6.5" eye to eye rear shock length without altering the steering geometry. Without these plates, when a long fork or rear shock is installed in a Y, the head angle will vary and the sweet steering will be degraded.

## Right hand cable routing

The new aluminum Ys use a right hand cable routing. For this reason, a 135° pipe is recommended for rear V or other direct pull brakes. Because the new cable routing is on the right, and the new shock mount hardware is lighter, a new rear cable guide clip has been designed for the smaller diameter bolt.

982260 Rear shock mount cable guide 970343 135° pipe, for rear direct pull brake

# New replaceable derailleur hanger

Aluminum swingarms feature a new, stiffer replaceable derailleur hanger. Our tests show this hanger to be stiffer than some nonreplaceable forged alloy hangers. A stiff hanger increases shifting accuracy, and the extra strength means less chance that it should need to be replaced in the first place. To keep things simple, this same hanger is used on the Trek hardtails.

Derailleur hanger kit - Derailleur hanger, screw and nut 980116

# Seatpost water bottle mounts

We equip all the Y Bikes and Y Glides with a special seatpost water bottle attaching kit. This kit includes two aluminum clamps which fit 27.2mm diameter seatposts, two bottle cage mounting screws, and two longer screws to tighten the clamps.

Like any threading into aluminum, we recommend greasing the threads, and avoid over tightening. On small size frames, adjust the bottle cage height so that the rear wheel cannot hit the bottle or cage under full compression of the suspension.

# WHAT IS "ACTIVE"?

#### The Benefit of Suspension

Suspension helps you transmit your pedal power more efficiently. With good suspension, a rider can pedal over obstacles that would otherwise suck up the rider's energy by making them stand. Because suspension smoothes the terrain (as felt at the handlebars, saddle and pedals), you can stay seated and apply full pedal power over rough terrain, without interrupting your pedal stroke. Suspension lets the rider's body follow a smoother path (than the bumpy path followed by the wheels), and this lets the rider maintain normal pedaling over rough terrain. Both add efficiency. By being more efficient, the rider uses less energy, and they can go farther or faster with the same effort.

Suspension lets the wheels follow the terrain better, so the tires maintain better traction. With better traction and a smoother path, the rider does not have to use as much muscle energy to stay in control of the bike. With better control you can ride over things that might otherwise make you go boom and get too close to nature.

The benefits of good suspension help a rider in virtually any off-road situation. Downhill or uphill, good suspension helps a rider tame the terrain and adds to their efficiency. With benefits like this, suspension is something you want full time. If the suspension is working full time, its Fully Active.

#### What is Active?

A lot of noise is made about suspension systems being active, or inactive. Claims are made, and opinions based on such claims without making clear what they really mean when they say 'active'. But using the following definition of the word, many of the claims made are false. This definition of 'Active':

## An Active suspension is not affected by pedaling, either activated or deactivated, at any time.

In other words, if at any time the chain tension can compress the rear shock (activating the suspension) or extend the rear shock (deactivating the suspension), then the system can NOT be active. Some suspension systems are active in certain gear combinations, but not others. To be called active by this definition, it must always be active and not be gearing dependent. In other words, a bike is either active, or it's not. Active suspension is a full-time trait, so a bike cannot be 'partly active'. And if it's Active, it's also Fully Active (they are the same by this definition).

Another instance of an inactive suspension is one that is effectively locked out through the rider's body weight, in any position. So if the suspension cannot move due to the rider's weight, the system is not active.

The last instance of inactive suspension is an option we offer on the Y22 and Y33. Should you choose, you can lockout the rear shock with the handlebar mounted control. But in this case, you're not limited by the suspension design, you choose if you want Active or Inactive.

#### **Evaluating Suspension Designs**

#### Weight

With any suspension system, it's a given that the suspension is going to add weight and complexity to a bike. For this reason, if there isn't much travel, it's not a worthwhile trade-off. Rear suspension should offer at least as much travel as the average shock seatpost, say 2 to 3 inches.

#### Travel

As long as weight is kept to a minimum, more travel is generally desirable in a suspension design. If it works right, additional travel will let you ride over bigger obstacles. But because additional travel can show flaws in a design, many suspension systems limit travel. Even the Trek Y3 has 4" of travel, matching what some companies refer to in 1998 as "long travel."

#### Shocks

When evaluating a suspension system to see if it's Active or not, this refers to the frame design. Another important part of the suspension system is the shock. Different shocks have different spring rates, damping curves, and other performance differences (spring materials, durability, etc.). A really good suspension system (like our Y bike) can use a variety of shocks and still feel good.

The spring stores energy from hitting a bump, then gives it back. Different springs and spring materials, do this somewhat differently and effect how the suspension feels. Damping effects the suspension by slowing down the spring, actually managing that energy. But some suspension systems use excessive damping to try to manage energy from another source, namely the rider.

#### The bench test

Some systems have used both limited travel and excess damping to cover up their inadequacies. If the suspension doesn't move a lot, or moves slow, it's hard to tell if it's active or inactive when riding. To understand what a suspension system is doing, it sometimes helps to put the bike on a workstand and remove the shock. Then you can see what pedaling does, what the total travel might be, and how the different parts interact under loads.

# **EVALUATING SUSPENSION SYSTEMS**

# How can you tell if a suspension system if fully active?

Look at how the chain tension will effect the motion of the swingarm. If the chain pulls at an angle to the pivots, it will effect the suspension motion and make it inactive.

# Even if its a linkage or a strut type design?

Don't pay too much attention to other parts of the rear suspension. Whether it's a 'strut' design, multiple linkages, whether the shock is oriented horizontally or vertically, whether it's coil/over or air sprung, it's the pivot location that determines whether a system is active or inactive.



Linkages, struts, and parallelograms allow a suspension designer to alter shock compression ratios or to tweak other characteristics, but the main pivot location and the chain angle are the only things that dictate the chain's effect on the rear wheel travel. Given that we're all riding multiple geared bikes, the single feature which separates different suspension designs is the location of the main pivot.

# So the pivot location is everything?

If the pivot is located so that the upper chain run lies above the pivot, and at an angle (Figs. 1 and 2), the chain will do two things; it will pull the rear wheel toward the seat, and it will resist the motion of the wheel returning to its normal position during rebound. In high gear, you'll see this effect would be stronger with this particular design.

# Why don't you always feel this?

How much you feel the suspension when pedaling will depend on the amount of travel, the amount of damping, the exact pivot placement, and the gear you choose.

# What about pivots above the big chainring?

Figure 3 shows a high pivot suspension design. In this case, chain tension will pull the rear wheel downward, and resist wheel movement when a bump is encountered.

# But if the pivot is in line with the chain, then it's active?

Some designs attempt to counter the effect of the chain by placing the pivot exactly in line with the chain at the top of one of the chainrings. While this may allow full activity in a particular gear combination, shifting to another gear will make the suspension less active. And by definition, there is no such thing as 'partially active.'

## So what designs are Active?

Figure 4 shows a Unified Rear Triangle (also sometimes called a Floating Drivetrain) which has no pivot between the bottom bracket and the rear wheel. Because these two structures are rigidly connected, chain tension cannot pull them together or apart. Regardless of what gear you are in, the suspension always works the same.

#### So all URTs are Active?

No. It depends on where you place the pivot.

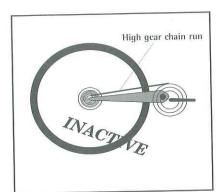


Fig. 3

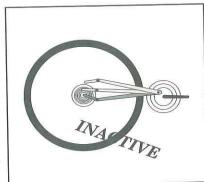
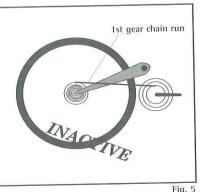


Fig. 4



ig. 5

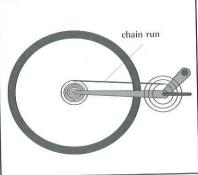


Fig. 6

### How does pivot placement effect a URT?

Figure 5 shows that when the rider stands on a Y bike, their weight is applied to the swingarm right below the pivot through the bottom bracket. The rider is literally 'hanging from the pivot.' So, virtually no weight is applied to the rear wheel and the suspension can activate over any bump.

Figure 6 shows what can happen when you move the pivot. When the rider stands, their weight is applied to the rear wheel, preventing it from moving upward as it contacts a bump. If the suspension is being prevented from moving, its inactive.

#### How do I tell this to my customers?

You can do a simple demonstration with a rigid beam of some type like a ruler, frame tube, or even a pencil.

### How do I show them how the Y works?

Place one end of your beam on the counter. This end will represent the pivot. Let the customer hold the other end of the beam to act as the rear wheel.

In the upper half of the diagram, we show that with a Y bike, the rider's weight when standing is essentially on top of the pivot, so place your body weight as shown. The customer will still be able to move the 'rear wheel' end of the beam up and down easily, demonstrating that the Y bike is fully active when standing.

### What about other URT designs?

On URT bikes with their pivot placed further forward, when the rider stands, the weight applied to the bottom bracket ends up being somewhat further back on the swingarm. The lower portion of our diagram shows that your hand should be placed further away from the pivot now, and when you push down, it will exert a force on the customers hand (the rear wheel) showing that a standing rider on other URT designs deactivates the suspension, essentially locking it out.

#### OK. I see how that works, but doesn't the seat move up and down on a Y bike?

You can also use this demonstration so show that on a Y bike, it's not an issue. Have the customer move the 'rear wheel' up and down, while watching how much your hand (the bottom bracket) moves. With the Y bike pivot location, there is very little vertical motion of the bottom bracket when the rear wheel goes over a bump, allowing the rider to pedal without interruption. The actual distance for a Y bike; when the rear wheel moves up 4 inches, the bottom bracket moves up about 1/4 inch, or less than the amount the saddle will compress under a similar load.

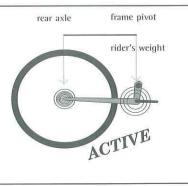


Fig. 7

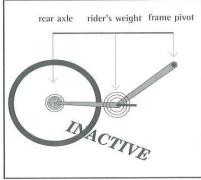
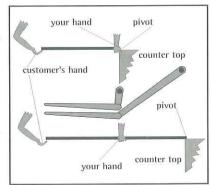


Fig. 8



rig.

# MORE SUSPENSION TECH TALK

## What's a falling rate?

A falling rate means that for each increment of rear wheel movement, the rear shock will be compressed less.

# What other kinds of suspension are there?

A linear rate would yield the same amount of shock compression for each inch of wheel travel, like a telescoping suspension fork. A rising rate would mean that for each inch of wheel travel, the shock would compress slightly more.

# Some magazines say a falling rate is bad. Why?

If the falling rate is significant, it means that as the shock is compressed fully, it might not provide enough stiffness to keep the suspension from bottoming out. But, to bottom out the suspension would require either a very falling rate, a very low preload (too much sag), or a low amount of travel in the first place.

# Is the Y bike a falling rate suspension?

The 1997 Y bike had a very slight falling rate. The 1998 is essentially linear, although the rider has some choice with our new plate system (Fig. 10).

# So the rider can choose?

With a 1998 Y bike, there are two shock positions. Of the two positions, a more falling rate is achieved with the adjustable plates oriented so the shock mount is closer to the bot-

# How much of a falling rate is it?

If the bike achieves 4" of rear wheel travel, the shock compresses 0.354" during the first inch of wheel travel. During the second 1" of wheel travel, the shock compresses 0.351". The third inch of wheel travel compresses the shock 0.349", and the last inch of wheel travel compresses the shock about 0.346" (see Fig. 11). So, there is only 0.005" difference.

# What about with the plates flipped?

There's only .001" difference in shock compression from the first to the last inch of wheel travel.

# So there's not a lot of difference between the linear and falling rates?

The type of shock will make as much, or more difference.

# So the shock's spring rate can actually have more effect than the shock com-

The spring curve of the shock is the amount of compression the shock undergoes for a given force applied to the shock. In Fig. 12, the graph shows a comparison between a Fox Vanilla coil/over with a 700# coil and an Air Vanilla inflated to 190 PSI initial pressure. The straight, grey line represents the coil/over, and the black line is the Air Vanilla. Notice that at 400 pounds force (the second line up on the chart), the Air Vanilla has compressed only about 0.4", while the coil/over shock has compresses about 0.7". This indicates that on small bumps, the coil/over shock will feel a little more supple.

#### What's the dotted line?

That's what the curve of an older air shock would have looked like, where stiction kept the shock from moving until you hit a harder bump.

# So what does this mean to the rider?

It's important to note that shock compression rates, spring curves, damping rates, etc. work together in a suspension system, so it's hard to pull just one piece of the puzzle out and see the whole picture.

The important thing is to see how the bike feels. The shock compression rate will effect how plush the bike feels, but so can the spring. You can get about a 10% leverage change by flipping the plates over, along with a small change in how the suspension feels. And one last point - if you're like most riders, you'll never bottom out a properly set up Y bike.

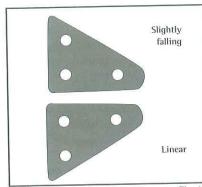


Fig. 10

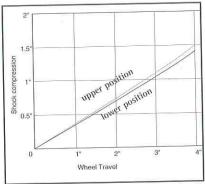
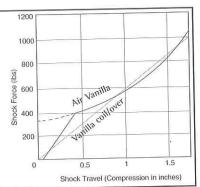


Fig. 11



# Are the plates on a Y bike different from those on a Y Glide?

Yes, they are. With a different set of shock mounting plates, a Y bike can be set up for the new long travel suspension forks without losing steering precision.

LONG TRAVEL Y GLIDE

# How would you lose steering accuracy by using a longer fork?

Longer travel forks, by necessity, have longer axle-to-crown lengths. When you raise the head tube of a bike, you also raise the bottom bracket, slacken the head angle, and change the trail so the bike ends up handling differently.

# Sounds like what happened when we first went to suspension forks.

It's no different. Yet many companies are trying to sell old frame designs with much



It's not the same as our 'normal' Y bikes, but we don't think it should be. Look at the Team Downhill bike with its 67° head angle. This gives it extra stability at high speed, and it helps the suspension work better through a modified axle path.

#### Are the Y Glides downhill bikes?

They're not true downhill bikes by NORBA Pro standards, but neither are they standard cross country bikes. So, they have 70° head angles. By using the Y Glide plate, we correct the steering angle so that even with the 4" of fork travel and 5 1/2" of rear wheel travel on a Y Glide Deluxe, you still get a bike that handles beautifully and won't leave you 'out of bounds' on that twisty singletrack you like to ride.

## I read that triple clamp forks would break a regular bike.

Triple clamp forks do put additional stress on a bike frame applied by both the extra length and the extra stiffness. For this reason, triple clamp forks should not be put on any Trek other than the '98 dual suspension frames.

## So who are these Y Glides for, if they're not downhill racing bikes?

- They're for 'adventure' riders, who like to ride in rougher terrain. Not everyone stays on the groomed trails.
- They're for ski area riding, where a majority of the riding is downhill.
- They're for riders who need more suspension. Ever watch what a suspension fork can do for a novice rider, letting them tackle more terrain with less fatigue? A full suspension bike has even more of this effect. And a Y Glide has more yet. So a Y Glide may be the perfect bike for a less skilled rider who want to ride in extra-rough terrain.
- And yes, the Y Glides would make great downhill bikes for those who only occasionally race, or can't afford a special-use bike, or just want to be able to get back up the hill after they do the descent.

# Triple clamp forks - Aheadset® adjustment

Triple clamp forks, also called double triple clamp forks, use a crown both above and below the head tube to hold the fork's stanchions (upper tubes). This adds lots of lateral rigidity to the fork for increased steering precision. It also makes adjusting the headset slightly more time consuming. To adjust the preload on an aheadset with a triple clamp fork, first loosen the upper crown pinch bolts. Then loosen the stem's steerer pinch bolts. After adjusting the preload on the headset, torque the upper crown pinch bolts. Tighten crown pinch bolts on Manitou triple clamp models to 70-80 lboin (7.9-9 Nm). On RockShox models, tighten crown pinch bolts to 60 lboin (6.8 Nm). Then torque the stem's steerer clamp bolts.

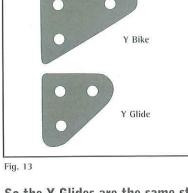
## Suspension set up

As important as understanding the theory behind a suspension design is knowing how to sell the suspension feel, starting with how to set it up. For most riding, we recommend that the Y Bikes be set up with between 5 and 10mm of front fork sag, and 3-8mm of rear shock sag (measured at the shock). The net result of this sag should be around 5-10mm of bottom bracket sag.

However, a first timer on suspension may find all that motion unsettling. When setting up a bike for a test ride, find out how much experience a rider has with full suspension. If it's little, explain to the customer that you are going to show them the bike twice; once set up with little sag (to mimic the feel of their hardtail bike). After a short ride, readjust to the above recommendations. If you skip the step, you could lose a sale to someone who does not realize that plush is a benefit on suspension.

The Y Glides should be ridden with about 5mm more bottom bracket drop, running 10-15mm fork sag, and 5-10mm of rear shock sag. Remember the above advice when setting a Y Glide up for a test ride, only this advice may apply to an experienced full suspension rider.

If the bike does not adjust to the settings the rider wants, there are different springs available for the rear shocks.



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# **CARBON FIBER COMPOSITE AND OCLV**

## What exactly is OCLV?

OCLV stands for Optimum Compaction Low Void. It's a term describing the carbon fiber composite that Trek makes.

#### Isn't all carbon fiber the same?

Carbon fiber, as we tend to call it, is a composite. A composite material can be defined as two or more dissimilar materials which, when joined, exhibit better properties than each individual material. Carbon fiber composite is usually a combination of carbon fibers and resin. As such, there are three variables; carbon, resin, and the way they are combined.

# So the real name is carbon fiber composite?

Yes. Carbon fibers by themselves would not make good bike frames, even though, by itself, carbon fiber is one of the strongest, stiffest materials known to man. A typical fiber is 0.0002" in diameter. They are incredibly strong along their length, but fragile when bent.

#### Just how strong are they?

To really answer that, we need to look at some Engineering Tables. Sorry, but engineering is who we are at Trek. Look at the Ultimate Tensile Strength (Fig. 14). This is measured by comparing a solid bar of material to its density (weight per volume). You'll notice that carbon fiber composite leads the pack. By a lot! In fact, more than double the strength per weight of any other material.

# But such a thin fiber can't be very stiff!

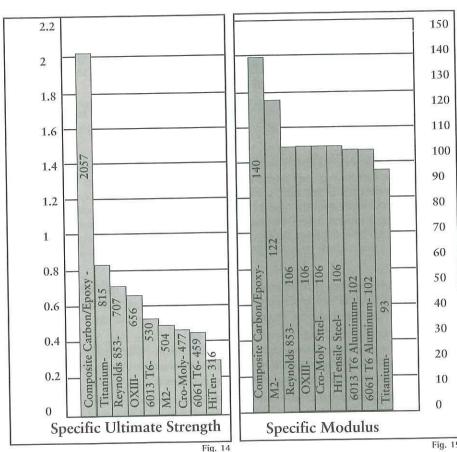
Actually, it's very stiff. Figure 15 shows the Specific Modulus of a variety of materials. This chart shows the modulus (stiffness) of each material compared again to its density, or weight per volume. You'll notice that carbon fiber is quite a bit stiffer than the other materials.

### OK. So what's resin?

Resin is the glue, or matrix, which holds the individual fibers together so that they can be combined into a structural material.

### What kind of glue?

In OCLV, we use epoxy resin to make thermoset carbon fiber composite. Thermoplastic carbon composite uses nylon.



## I've used epoxy, but I didn't know nylon is made of glue.

When you heat nylon up and let it cool, it can work like a glue to hold the carbon fibers together.

# So with epoxy, you pour the glue over the fibers?

OCLV uses something called prepreg, or pre-impregnated carbon fiber. It's a sheet of carbon fiber fabric which has been impregnated with resin. The fibers are oriented within the sheet and help in place.

## What do you do with the sheets of prepreg?

We orient the sheets so the carbon is at precise angles, cut them to shape, and place them in a mold. Prepreg makes it much easier to work with the fibers than working with them in their dry form.

## Why do you cut the carbon at angles?

Carbon only has strength in the direction of the fibers, so it's really important for the fibers to be in precise orientation Fig. 15 in the frame.

### Are the fibers all at the same angle?

All the fibers in a sheet of prepreg are at the same angle. This is called unidirectional. But, we might have several layers running at different angles.

### Doesn't a bunch of layers make the frame sort of thick?

Each layer is 0.0005" thick, so we can stack up quite a few layers and still end up with a thin laminate.

#### What's a laminate?

A laminate is the structure or frame part made of composite. It's called a laminate because it has several layers which, when made right, form into a single layer.

#### How do you form the prepreg sheets into a single layer?

After the sheets have been oriented for fiber angle and cut to their specific shapes, they are placed in a mold where pressure and heat allow the epoxy to join everything together.

#### Sounds simple enough.

It's both simple and extremely difficult. With simple shapes like a flat sheet or cylinder, it's not hard to do. But with more complicated shapes and tight bends, like on a bike frame, it gets much harder. All those curves make it hard to get the uniform pressure you need to get the fibers compacted, squeezing out all the air bubbles and extra resin.

#### Air bubbles?

Air bubbles, even tiny ones, can cause the laminate to be weak. In OCLV, we end up with with less than 1% voids. Other processes, especially thermoplastic, commonly end up with 5% or greater voids.

### Why especially thermoplastic?

Thermoplastic uses a nylon resin. Nylon's natural state is a solid. So even at the very high temperatures and pressure, the nylon tends to be stiff and board-like when compared to epoxy. At much lower temperatures, epoxy is very fluid. That's important because you want the resin to completely 'wet-out', or surround every single fiber. Otherwise you get voids.

# OK. You don't want voids, but what's the big deal with just 4% difference?

That 4% difference in voids means about a 30% difference in structural strength.

## So can't you just use more resin, or a little bit thicker laminate?

You don't want to just add resin. Resin is heavy. Plus, the most strength comes from a precise blend of resin and fibers. The frame designer will know they can't get sufficient strength with a thin laminate, so they add material for thicker walls, or internal reinforcements to try and add strength.

#### What does that do?

When you add thickness, or ribs, or anything else, it changes the weight and feel of the frame. It's like the benefits of butting a steel frame. Heavy, thick-walled tubes tend to feel dead and heavy. The thin walls of an OCLV bike make it feel alive under you. An OCLV frame feels like it always wants to accelerate.

#### Don't the thicker walls make the bike stiffer?

The stiffness of a structure is mostly defined by its outer diameter. So, if you want something to be stiffer, you should make it bigger in diameter, not thicker.

### Isn't thermoplastic big in the aerospace industry?

The aerospace industry has largely dropped thermoplastic carbon composite. One major airframe manufacturer spent 2 1/2 years and millions of dollars on an R&D project to replace a thermoset part with thermoplastic. After 150 iterations, they dropped the project just like the rest of the industry.

# If you could make a high quality, thermoplastic laminate bike frame, would it ride better?

Right now, the technology doesn't exist to make thermoplastic frames of the laminate quality we get with every single OCLV frame. But even if you could make a thermoplastic bicycle frame with the exact same laminate quality as OCLV, thermoplastic doesn't offer any benefits beyond those of the thermoset composite we now use.

#### The OCLV test:

- 1) If a material is superior to Trek's OCLV for making a bike, it should be just as strong, only lighter.
- 2) If a material is just as durable as Trek's OCLV, it should match the OCLV Limited Lifetime Warranty.
- 3) If a material is as good as Trek's OCLV, it should feel as good under you on the road or trail.

18

# THE REDESIGNED Y BIKE

# Improving a great platform

The Trek Y bike is one of the most copied bike designs ever. Look at virtually any bike catalog for 1998, and you'll see something that looks like a Trek Y Bike. Even our own road bikes!

Sometimes, it's just the general shape of the frame. Other times, it's the Y bike pivot location. And in still others, it looks like a blatant copy of the Y bike in its entirety. We're flattered, but let's be honest. Looks aren't everything.

To achieve this success, the entire package has to be great, right down to the suspension hardware (like quality, long lasting nuts and bolts). Our pivots have passed the test of time, being quiet and trouble free. With OCLV construction, our frames are some of the lightest on the planet, and Y bikes are durable, so they are a lasting investment in fun for their riders.

We're very satisfied with the acclaim the Y bikes have received. Even so, we've been doing our homework, looking for ways to improve the new 1998 Y bike. While some of the changes are to improve fit and handling, many are to address changed component requirements, including direct pull brakes, disc brakes, longer travel forks and rear shocks, and a host of details. Here's the short list:

Improvement	Benefits
Stiffer main frame	Increased pedaling efficiency Better handling
Stiffer rear triangle	Increased pedaling efficiency Better handling
Adjusted geometry for longer forks	Keeps steering correct with longer travel forks
Stronger, better aligned rear shock mount	Easier shock installation No cosmetic issues
Adjustable shock compression ratio	Tunable to shock type Tunable to rider preference Tunable to correct geometry for long travel forks
Stiffer replaceable rear derailleur hanger	Stronger Increased shifting accuracy (less flex)
Shorter, large section 'seatstays'	Stiffer to eliminate V brake flex
Integral rear disc brake mount	Simple, 2 bolt attachment for Hayes disc brakes
Cleaner cable routing	Reduced cable friction Reduced steering input from cables
No chain or seat stay bridges	Less mud accumulation Increased fatigue resistance
Increased tire clearance	Less mud accumulation Increased tire selection
Modified geometry with short steering moment	Uses shorter stems on medium and large sizes Puts hands closer to steering axis for increased control Moves front wheel further forward to resist front endos Adds steering stability
Lower bottom bracket	Lowers center of gravity for additional stability Makes bike easier to get on, especially in steep terrain
Increased size range	Small fits smaller rider, large fits larger rider

When you ride the new bike, you're going to notice it handles quite differently from other full suspension bikes. Is it the new geometry, or is it that we've almost doubled the lateral stiffness of the bike? The real answer would be: Yes.

To get the most out of the new geometry, we needed to beef up the frame's stiffness. If we had simply lengthened the old Y bike frame, it would have been more flexible. Instead, we dramatically increased the outer dimensions of the frame so now it's a lot stiffer, even though it's longer.

When the wall thickness of a structure is beefed up, you add strength (which is mostly dependent on material cross section), but the stiffness doesn't change much. However, when you increase the diameter or outer cross section, stiffness goes up fast. Figure 16 shows the outline of a new Y frame laid over the grey shape of an earlier Y frame.

The line across the frame in Figure 17 shows where we have looked at the cross section of the two frames, as shown in Figure 16. This figure shows the dark grey cross section of a new Y bike surrounding the lighter grey cross section of our earlier Y bike. The result of this increase in cross section is 100% increase in lateral stiffness of the main frame, even though it's longer. A small increase would have made a noticeable difference, but this one is huge!

The weight is almost exactly the same from the earlier Y bike to the new one. Total for the front and rear is 4.2 pounds, less than some of our competitor's hardtails!

While the front end grew, the rear end shortened. This was done primarily by laying the 'seat tube' of the rear triangle further back, shortening the seat stays by almost 2 inches. But, we also changed the cross section of both the seat and chainstays. This greatly increased their rigidity. You'll notice this under hard pedaling, but also when you clamp on the binders.

As said before, adding stiffness would make a big difference in how the Y rides, but we also changed the geometry. The intent behind this geometry change was to get the rider's hands closer to the steering axis (the point where everything turns, the headset and fork steerer).

We looked at the placement of the rider's center of gravity on a small Y bike and compared it to a large. With a stem length difference of as much as 60mm, the tall rider on a large Y bike placed much more weight on the front wheel. Plus, their hands were much farther from the steering axis, requiring them to sweep their hands sideways to effect small steering changes. And as you move your hands from the bike's centerline, your center of gravity follows your hands. Why should a large bike handle so differently than a small?

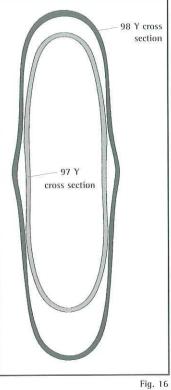
We thought about this for awhile, and argued theories on how a longer top tube and shorter stem would affect the handling. A big concern was that with less weight on the front wheel, there would be too much wheel flop on steep climbs (we were wrong). We also reasoned (correctly, as it turns out) that moving the front wheel further ahead of the rider and lowering their center of gravity would make the bike much more stable on steep descents. Eventually, we got down to building prototypes. And when we rode them, we were amazed!

As we tried different versions, we tweaked different things here and there. We played with chainstay lengths, handlebar heights, and more. We increased the fork lengths to accommodate the new 70 and 80mm travel forks. We also lowered the bottom bracket a bit. And, with the introduction of our new long travel Y Glides, we no longer felt the need to make the regular Y bikes super long travel, so we shortened the rear wheel travel down to 'just'

The new geometry is rock solid. At first, riders will feel this bike steers very differently than others because it is very different, particularly on the medium and large frame sizes. But after you get used to it, a 'regular' bike feels funny. Funny as in "That's funny, why didn't we think of this before".

A final concern of the new bikes is fit. The table below tells the story.

	1997				1998			
	S	M	L	S	M	L		
Effective top tube	566	597	615	562	611	641		
Stem length	105	120	135	90	105	105		
Reach	660	705	736	643	706	736		



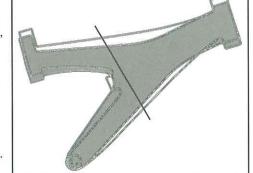


Fig. 17

		da			e e		
	Main tubes	OCLV carbon				22 32 42	W., 1
		6061 T6 aluminum,	TIG weld	led URT		<b>11</b> 52 76 100	
		RockShox Judy SL	12 N 02 N		80mm travel		
	Rear shock	Fox Air Vanilla RC a	nir/oil w/re	emote	1.5" stroke,102mm rear wheel travel	<b>13</b> 44 65 85	
	Hoadeat	Cane Creek			6.5" eye to eye, 5/8" & 7/8" ends 25.4/34.0/30.0, 27.8mm stack	<b>15</b> 38 56 73	
		1CON 2014, 7° bend			25.4mm clamp diameter	<b>17</b> 34 49 65	
		ICON forged alloy d		nect 39.5mm s		20 29 42 55	
		1CON Carbon			50 O-70	<b>23</b> 25 36 48	
		Trek Dual Density				The second control of	
-		Shimano XTR Rapid			T	<b>26</b> 22 32 42	
		Shimano Deore XT Shimano XTR Rapid		J	Top pull, 34.9mm/1 3/8"	<b>30</b> 19 28 37	
IX		Shimano XTR V	Misc				
		Shimano XTR V				26.25 %	
	Crankset	Shimano Deore XT	4 arm 42/	32/22	Splined/104/64mm bolt hole circle	26.25 lb. 11.92kg	
Bo		Shimano BB-UN72			73 x 113	11.92kg	
		Shimano SPD M747	' clipless		9/16" axle		
		Shimano XT 11-30			8 spd 106 length, 3/32"		
		Sachs PC-51 Cane Creek Crono, S	Salsa Flin(	)ffs	106 length, 3/32		
		Bontrager Jones, fo		5115	49/53		
				Offs HyperGlide	e Compact cassette, 8 speed, 135mm O.L	.D.	
		Bontrager Jones, fo			46/50		
		Presta valve, ultra li	ght		5		
		Cane Creek Swami	DDD		Custom drilled, 541 E.R.D., Velox 19mm Custom drilled, 541 E.R.D., Velox 22mm		
		Cane Creek Swami I Nail head straight pu		nev ninnle	24 spoke Radial Front, 28 spoke 1x/Rad		
	Shokes	ivali ficad straight po	iii, 5/10 1	ісх пірріс	252, 233/249 rear (D/ND)	aldistical	
	Saddle	Bontrager FS+10 Ra	ice Lite, T	itanium/leathe			
	Seatpost	ICON 2, 2014 Al			27.2mm diameter		
	Seat binder	Alloy w/integral bol	t		35.0 clamp diameter		
	Additionals	2 water bottle mou	nts, shock	pump, handle	ebar mount damping adjuster		
	Colors	Platinum Pearl/Egg	piant • Pi	atinum 3D det	cal		
	Frame sizes	S	M	L			
Ha	andlebar width	580	580	580			
	Stem length	90	105	105			
	Crank length eatpost length	170 250	175 350	180 350			
3	Steerer, mm	196	216	236			
	Otteren, min				r, except standover and fork length		
	Fork Length		axle-crowr	Warrange of the Control of the Contr	· · ·		
	Head angle	71.5	71.6	71.6			
	Seat angle	74.5	73.6	72.6 750			_
MM	Standover Seat tube	712 445	730 483	533			
	Head tube	105	125	145			
	Eff top tube	562	611	641			
	Reach	643	706	736			
	Chainstays	425	425	425			
	BB height	313 42	313 42	313 42			
	Offset Trail	68	68	68			
	Wheelbase	1059	1099	1115			
		11111111111	W007450000	20000000			
IN	Standover	28.03	28.74	29.53			
	Seat tube	17.52	19.02	20.98			
	Head tube Eff top tube	4.13 22.13	4.92 24.06	5.71 25.24			
	Reach	25.32	27.79	28.97			
	Chainstays	16.73	16.73	16.73			
	BB height	12.32	12.32	12.32			
	Offset	1.65	1.65	1.65			
	Trail	2.68	2.66	2.66			
	Wheelbase	41.69	43.27	43.90			

Y 11

Y	22					OUR PRICE	: <b>\$</b>			
		0.01	V 1				00/2	22 32	42	
	Main tube Stay	vs   606	LV carbon 51 T6 aluminum,	TIG welded	URT		11	52 76		
	For	rk Mai	nitou X-Vert, TPC			80mm travel	13		85	
	Rear shoc	k Fox	Air Vanilla RC ai	r/oil w/rem	ote	1.5" stroke, 102mm rear wheel travel 6.5" eye to eye, 5/8" & 7/8" ends	15		73	
	Heads	ot M/T	B Grease Guard			25.4/34.0/30.0, 27.0mm stack	17			d)
	Handleba		N 2014, 7° bend			25.4mm clamp diameter	J-18.00	34 49	65	
	Ste	m ICC	N forged alloy di	rect conne	ct	39.5mm steerer clamp height	20	29 42	55	58
	Bar en		N Forged Ergo				23	25 36	48	
	Grij Shifte	ps Tre	k Dual Density mano Deore XT R	anidFire SI			26	22 32	42	
	Front deraille		mano Deore XT T			Top pull, 34.9mm/1 3/8"	30	19 28	37	12.0
	Rear deraille	ur Shi	mano XTR Rapid	Rise						
	Brak	(55.0)	mano Deore XT \				La	C 75 11	7	
	Brake leve	ers Shi	mano Deore XT \ imano Deore LX 4	/   nrm 42/3	0/22	Splined/104/64mm bolt hole circle		6.75 lb. 2.14kg		
	Cranks Bottom brack		imano BB-UN52	+ alm 42/3	4144	73 x 113	1	Z.14Kg		
	Peda		ON clipless			9/16" axle	_			
	Casset	te Sh	imano HG70-1 11	-30		8spd				
	Cha		chs PC-41			106 length, 3/32"				
Front hu Front tir			imano Deore XT	ldina		49/53				
	Rear h					HyperGlide Compact cassette, 8 speed, 1	35mm (	).L.D.		
		ire Bo	ntrager Jones, fo			46/50				
			esta valve, ultra li	ght		541 E.R.D., Velox 22mm rim strip				
	Front R Rear R		ontrager Valiant ontrager Mustang	ASYM		541 E.R.D., Velox 22mm rim strip				
	Spok		14/15G butted st		y nips	32 spoke Radial Front, 32 spoke 3x Rea	r			
		Service Control				254, 264/265 rear (D/ND)				
	Sadi		ontrager FS+10 Ra	ice, Cro-M	oly/leather	27.2mm diameter				
			ON 2, 2014 Al loy w/integral bol	+		35.0 clamp diameter				
	Addition	als 2	water bottle mou	nts, shock	pump, handl	ebar mount damping adjuster				
	Col	ors Bl	aze Red/Mango •	Mango 31	O decal					
		lc	e Inkwell Blue/Ma	ingo • Mai	ngo 3D decal					
	Frame si	705	S	M	L					1
	Handlebar wi		580	580	580					
	Stem len	gth	90	105	105					
	Crank len	gth	170	175 350	175 350					
	Seatpost len Steerer, r	22.122	250 183	203	223					
	Steerer, 1	A	ll measurements w	/10mm sag	front and rea	ır, except standover and fork length				
	Fork Len	gth	433mm	axle-crown	race					
	Head an		71.5	71.6 73.6	71.6 72.6					
-	Seat an		74.5 712	730	750					
1/	MM Stando		445	483	533					
	Head to		105	125	145					
	Eff top t		562 643	611 706	641 736					
	Chainst	ach	425	425	425					
	BB hei		313	313	313					
	Of	fset	42	42	42					
		<b>Frail</b>	68	68 1099	68 1115					
	Wheelb	iase	1059	1099	1112					
Г	IN Stando		28.03	28.74	29.53					
L	Seat t		17.52	19.02	20.98					
	Head t		4.13 22.13	4.92 24.06	5.71 25.24					
		each	25.32	27.79	28.97					
	Chains	tays	16.73	16.73	16.73					
	BB he	ight	12.32	12.32	12.32					
		ffset Trail	1.65 2.68	1.65 2.66	1.65 2.66					
	Wheell		41.69	43.27	43.90					
	AAIICCII		11.05	45000	MANUEL II					

Main tubes		_								
Rear shock   Fox Air Varilla air/oil   1.5° stoke, 102mm rear wheel travel   13   44   65   85   15   16.5° get to get, 5/8° in 7/8° rends   15   30   56   73   17   34   96   65   73   18   18   18   18   18   18   18   1								22	32	42
Fork   Rear shock   Pex Air Varialis air/oil   1.5 stock, 10.2mm rear wheel travel   1.3	The state of the			TIG welde	ed URT		11	52	76	100
Headset Handlebars   Dis-Compe SA Alheadset, alloy   24,434,030,03,27,20mm stack   15   38   56   73   73   44   49   65   73   73   44   49   65   73   73   74   49   65   73   73   74   74   75   74   75   75   75   75										1 L- 1
Headset   Handlehar   1	Rear s	shock	Fox Air Vanilla air/o	oil						
Section   Sect			DATE CONT. TOWARD SEE				15	38	56	73
Stem   Bar ends   GON   6004   20,000   20,4   70   20   20   20   20   20   20   20							17	34	49	65
Bar ends   Grips   Shifters   S					SSW SSW		1000000			
Space   Canada   Ca				nrect conn	ect	39.5mm steerer clamp neight	CALLYON			
Shifters   Shimano Deore LX RapidFires   Shimano Deore LX Top Swing   Shimano Borot RX Top Swing   Shimano M600 V							23	25	36	48
Front derailled   Shimano Deore XT SQS   Shimano M600 V				DonidEiro			26	22	32	42
Rear derailleur   Shimano Deore XT SGS   Shimano M600 V						Top pull 34.9mm/1.3/8"	30	10	20	27
Brake   Pare						10p pan, 54.5mm, 1 5/6	50	19	20	31
Brake levers   Crankets   Shimano Bbc-UN2   Am 42/32/22   Splined/104/64mm bolt hole circle   T3 x 113				202						
Crankset   Shimano Deore LX   4 arm 42/32/22   Splined/104/64mm bolt hole circle   13 x 113   12.49kg   12.49kg   13 x 113   14.49kg				1 long pi	ill			en contract and		ı
Bottom bracket   Parish   Color   Co						Splined/104/64mm bolt hole circle				
Pedals   Cassette				1 41111 12/-	,		1	2.49k	g	
Cassette Chain   Sche PC-41   106 length, 3/32"   106 length, 3/32"   107 length   107 length   107 length   107 length   108 length, 3/32"   10						9/16" axle	<u> </u>			1
Chain   Front tire   Rear hub   Shimano Decore IX   Shimano Decore IX   Bontrager Jones, folding   HyperGlide Compact cassette, 8 speed, 135mm O.L.D.				I-30						
Front hub   Front tire   Rear hub   Rear tire   Shimano Deore LX   Shimano Labor LD.   Shimano Deore LX   Shimano LD.				0 0 8						
Rear hub   Rear tire   Tubes   Front Rim   Rear Rim   Spokes	Fron									
Rear hub   Rear tire   Tubes   Presta valve, ultra light   Bontrager Mustang ASYM   Saddle   Seatpost   Colors				olding			Tenning and the second			
Presta Valve, ultra light   Presta Valve, ultra light   Rear Rim   Rear Rim   Spokes   DT 14/15G butted stainless, alloy nips   542 E.R.D., Velox 22mm rim strip   32 spoke Radial Front, 32 spoke 3x Rear   27.2mm diameter   27.	Rea	ar hub				HyperGlide Compact cassette, 8 speed,	135mm (	).L.D.		
Front Rim   Spokes   Dartager Mustang   S42 E.R.D., Velox 22mm rim strip   32 spoke Radial Front, 32 spoke 3x Rear   254, 264/265 rear (D/ND)   32 spoke Radial Front, 32 spoke 3x Rear   254, 264/265 rear (D/ND)   32 spoke Radial Front, 32 spoke 3x Rear   254, 264/265 rear (D/ND)   32 spoke Radial Front, 32 spoke 3x Rear   254, 264/265 rear (D/ND)   32 spoke Radial Front, 32 spoke 3x Rear   254, 264/265 rear (D/ND)   32 spoke Radial Front, 32 spoke 3x Rear   254, 264/265 rear (D/ND)   32 spoke Radial Front, 32 spoke 3x Rear   254, 264/265 rear (D/ND)   32 spoke Radial Front, 32 spoke 3x Rear   35.0 clamp diameter   35.0 clamp dia	Rea	ar tire	Bontrager Jones, fo	olding		46/50				
Space   Spac										
Spokes   Saddle   Seatpost   Seat binder   Additionals   Colors			Bontrager Mustang							
Saddle   Seatpost   Cro.   Moly/leather   Seat binder   Additionals   Colors										
Saddle	S	pokes	DT 14/15G butted	stainless, a	lloy nips		r			
Colors	History .		850Y V 220 80Y		700 000	254, 264/265 rear (D/ND)				
Seat binder   Additionals   Colors				o, Cro-Mol	y/leather	27 2 P				
Additionals   Colors				τ.						
Frame sizes   Handlehar width   580   58						35.0 clamp diameter				
Frame sizes   S   M   L										
Hamble		Colors	Team yellow/Black	■ KGU 3D	uecai					
Hamble	Eramo	cizac	c	M	1					
Stem length   90   105										
Crank length   170   175   175   175   175   175   183   203   350	THE RESIDENCE OF THE PARTY OF T		50 Mary							
Seatpost length   250   350										
Steerer, mm			(ALCANDA)		350					
All measurements w/10mm sag front and rear, except standover and fork length			I		223					
Fork Length Head angle   71.5   71.6   71.6			STATE OF THE PROPERTY OF THE P							
Head angle   71.5   71.6   71.6   72.6			With Annual Control of the Control o	The state of the s		ar, except standover and fork length				
Head angle   71.5   71.6   71.6   72.6	Fork L	ength								
MM         Standover Seat tube         712         730         750           Seat tube         445         483         533           Head tube         105         125         145           Eff top tube         562         611         641           Reach         643         706         736           Chainstays         425         425         425           BB height         313         313         313           Offset         42         42         42           Trail         68         68         68           Wheelbase         1059         1099         1115           IN         Standover Seat tube         28.03         28.74         29.53           Seat tube         4.13         4.92         5.71           Head tube         4.13         4.92         5.71           Eff top tube         22.13         24.06         25.24           Reach         25.32         27.79         28.97           Chainstays         16.73         16.73         16.73           Bb height         12.32         12.32         12.32           B height         1.65         1.65         1.65	Head	angle								
Seat tube										
Head tube   105   125   145			PAT 490 600							
Eff top tube       562       611       641         Reach       643       706       736         Chainstays       425       425       425         BB height       313       313       313         Offset       42       42       42         Trail       68       68       68         Wheelbase       1059       1099       1115         IN       Standover Seat tube       17.52       19.02       20.98         Head tube       4.13       4.92       5.71         Eff top tube       22.13       24.06       25.24         Reach       25.32       27.79       28.97         Chainstays       16.73       16.73       16.73         BB height       12.32       12.32       12.32         Offset       1.65       1.65       1.65         Trail       2.68       2.66       2.66			1							
Reach Chainstays       643       706       736         Chainstays BB height Offset Trail       313       313       313         Offset Trail Offset Trail Wheelbase       42       42       42         IN Standover Seat tube Head Head Head Head Head Head Head Hea			4000000							
Chainstays       425       425       425         BB height       313       313       313         Offset       42       42       42         Trail       68       68       68         Wheelbase       1059       1099       1115         IN       Standover Seat tube       17.52       19.02       20.98         Head tube       4.13       4.92       5.71         Eff top tube       22.13       24.06       25.24         Reach       25.32       27.79       28.97         Chainstays       16.73       16.73       16.73         BB height       12.32       12.32       12.32         Offset       1.65       1.65       1.65         Trail       2.68       2.66       2.66			I .							
BB height Offset Offset Trail       313       313       313         Wheelbase       1059       1099       1115         IN Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail       28.03       28.74       29.53         Eff top tube Reach Chainstays BB height Trail       22.13       24.06       25.24         Trail       16.55       1.65       1.65         Trail       2.68       2.66       2.66										
Offset Trail     42     42     42       Wheelbase     1059     1099     1115       IN Standover Seat tube     28.03     28.74     29.53       Head tube     4.13     4.92     5.71       Eff top tube     22.13     24.06     25.24       Reach     25.32     27.79     28.97       Chainstays     16.73     16.73     16.73       BB height     12.32     12.32     12.32       Offset     1.65     1.65     1.65       Trail     2.68     2.66     2.66										
Trail       68       68       68       68         IN       Standover Seat tube       28.03       28.74       29.53         Head tube       17.52       19.02       20.98         Head tube       4.13       4.92       5.71         Eff top tube       22.13       24.06       25.24         Reach       25.32       27.79       28.97         Chainstays       16.73       16.73       16.73         BB height       12.32       12.32       12.32         Offset       1.65       1.65       1.65         Trail       2.68       2.66       2.66										
Wheelbase       1059       1099       1115         IN       Standover Seat tube       28.03       28.74       29.53         Seat tube       17.52       19.02       20.98         Head tube       4.13       4.92       5.71         Eff top tube       22.13       24.06       25.24         Reach       25.32       27.79       28.97         Chainstays       16.73       16.73       16.73         BB height       12.32       12.32       12.32         Offset       1.65       1.65       1.65         Trail       2.68       2.66       2.66										
IN       Standover Seat tube       28.03       28.74       29.53         Head tube       17.52       19.02       20.98         Head tube       4.13       4.92       5.71         Eff top tube       22.13       24.06       25.24         Reach       25.32       27.79       28.97         Chainstays       16.73       16.73       16.73         BB height       12.32       12.32       12.32         Offset       1.65       1.65       1.65         Trail       2.68       2.66       2.66	Whe		3000.00							
Seat tube       17.52       19.02       20.98         Head tube       4.13       4.92       5.71         Eff top tube       22.13       24.06       25.24         Reach       25.32       27.79       28.97         Chainstays       16.73       16.73       16.73         BB height       12.32       12.32       12.32         Offset       1.65       1.65       1.65         Trail       2.68       2.66       2.66										
Seat tube       17.52       19.02       20.98         Head tube       4.13       4.92       5.71         Eff top tube       22.13       24.06       25.24         Reach       25.32       27.79       28.97         Chainstays       16.73       16.73       16.73         BB height       12.32       12.32       12.32         Offset       1.65       1.65       1.65         Trail       2.68       2.66       2.66	IN Star	ndover	28.03	28.74	29.53					
Head tube       4.13       4.92       5.71         Eff top tube       22.13       24.06       25.24         Reach       25.32       27.79       28.97         Chainstays       16.73       16.73       16.73         BB height       12.32       12.32       12.32         Offset       1.65       1.65       1.65         Trail       2.68       2.66       2.66										
Reach         25.32         27.79         28.97           Chainstays         16.73         16.73         16.73           BB height         12.32         12.32         12.32           Offset         1.65         1.65         1.65           Trail         2.68         2.66         2.66			4.13	4.92						
Reach         25.32         27.79         28.97           Chainstays         16.73         16.73         16.73           BB height         12.32         12.32         12.32           Offset         1.65         1.65         1.65           Trail         2.68         2.66         2.66	Eff to									
BB height         12.32         12.32         12.32           Offset         1.65         1.65         1.65           Trail         2.68         2.66         2.66		Reach	25.32							
Offset         1.65         1.65         1.65           Trail         2.68         2.66         2.66										
<b>Trail</b> 2.68 2.66 2.66										
Wheelbase 41.69 43.27 43.90										
	Whe	elbase	41.69	43.27	43.90					

DUR	PRICE:	\$
JUR	PRICE:	\$

	Main tubes					22 32 42
	Stays	6061 T6 aluminum	, TIG weld	led URT		<b>11</b> 52 76 100
	Fork	Manitou Spyder R			70mm travel	
	Rear shock	Fox Vanilla R coil/c	oil w/adj re	ebound	1.5" stroke, 102mm rear wheel travel	<b>13</b> 44 65 85
	Market State				6.5" eye to eye, 5/8" & 7/8" ends	<b>15</b> 38 56 73
	Headset	Did Compe billing		У	25.4/34.0/30.0, 27.0mm stack	<b>17</b> 34 49 65
	Handlebars			ORGANIAN I	25.4mm clamp diameter	
	Stem		direct conr	iect	39.5mm steerer clamp height	<b>20</b> 29 42 55
	Bar ends	ICON Fatty				<b>23</b> 25 36 48
	Grips Shifters		D : JE:			<b>26</b> 22 32 42
F	ront derailleur	Shimano Deore LX Shimano STX Top S		ē	Top pull, 34.9mm/1 3/8"	
	ear derailleur				10p pan, 34.5mm/1 3/6	<b>30</b> 19 28 37
	Brakes			all		
	Brake levers			411		[aa.s.n.
	Crankset			2/22	Splined/104/64mm bolt hole circle	28.5 lb.
Bo	ttom bracket		MIN 11818	-1	73 x 113	12.94kg
	Pedals				9/16" axle	
	Cassette	Shimano HG60-1 1	1-30		8spd	
	Chain	Sachs PC-41			106 length, 3/32"	
	Front hub	Shimano Deore LX				
	Front tire	Bontrager Jones, fo	olding		49/53	
	Rear hub	Shimano Deore LX			HyperGlide Compact cassette, 8 speed, 1.	35mm O.L.D.
	Rear tire	Bontrager Jones, fo			46/50	
	Tubes	Presta valve, ultra l				
	Front Rim	Bontrager Maverick			546 E.R.D., Velox 22mm rim strip	
	Rear Rim	Bontrager Maverick			542 E.R.D., Velox 22mm rim strip	
	Spokes	DT 14/15G butted	stainless		32 spoke Radial Front, 32 spoke 3x Rear	•
	Saddle	D	10 Cuo M	alv vaila	253, 264/265 rear (D/ND)	1
	Seatpost	Bontrager Comp + ICON 1, 6061 Al	io, Cro-ivio	bly rails	27.2mm diameter	
	Seat binder	Alloy w/integral bo	1+		35.0 clamp diameter	
	Additionals	2 water bottle mou			33.0 clamp diameter	
	Colors	Team Purple/Mang		o 3D decal		
	00.010	Team rurpic/wang	o mang	o ob accar		
	Frame sizes	S	M	L		1
Ha	andlebar width	580	580	580		1
	Stem length	90	105	105		
	Crank length	170	175	175		1
S	eatpost length	250	350	350		1
	Steerer, mm	183	203	203		ı
	Spring #	600	700	800		
		The same property of the same		7.0	r, except standover and fork length	
	Fork Length		axle-crowr			
	Head angle Seat angle	71.0	71.0 73.0	71.0 72.0		1
BABA	Standover	74.0 710	740	739		
MM	Seat tube	432	483	533		
	Head tube	105	125	125		
	Eff top tube	564	612	644		
	Reach	645	706	738		
	Chainstays	425	425	425		1
	BB height	302	302	302		
	Offset	39	39	39		1
	Trail	74	74	74		
	Wheelbase	1047	1087	1109		
	Chandensu	27.55	20.42	20.00		
IN	Standover	27.95	29.13	29.09		
	Seat tube Head tube	17.01	19.02	20.98		
	Eff top tube	4.13	4.92	4.92 25.35		
	Reach	22.20 25.39	24.09 27.81	29.07		
	Chainstays	16.73	16.73	16.73		
	BB height	11.89	11.89	11.89		
	Offset	1.54	1.54	1.54		
	Trail	2.93	2.93	2.93		
	Wheelbase	41.22	42.80	43.66		
		53 5480755000	MANUSA MESIKAKI	032450000000		

					¥1	
IV.	lain tubes	6061 T6 Trek design	ın aluminı	ım		20 32 42
	Stays	Cro-Moly	9			
	Fork	RockShox Indy C			75mm travel	<b>11</b> 48 76 100
F	Rear shock	Fox Vanilla X coil/	oil		1.5" stroke, 102mm rear wheel travel	<b>12</b> 44 70 92
		00000000 9000000 4000 4000 4000 4000 40			6.5" eye to eye, 5/8" & 7/8" ends	<b>14</b> 37 60 79
	Headset	Dia-Compe ST Ahe	eadset		25.4/34.0/30.0, 25.0mm stack	
H	landlebars	System 1, 10° bene		mm rise	25.4mm clamp diameter	<b>16</b> 33 52 69
	Stem	System 1 forged al			41.0mm steerer clamp height	<b>18</b> 29 47 61
	Bar ends	-			Construction of the constr	
	Grips	Trek Dual Density				
	Shifters	Shimano STX-RC F	RapidFire+			<b>24</b> 22 35 46
Fron	t derailleur	Shimano STX Top			Top pull, 34.9mm/1 3/8"	<b>28</b> 19 30 39
Rear	derailleur	Shimano Deore XT	SGS			13 30 33
	Brakes	Dia-Compe 737 di	rect pull			N
Br	ake levers	Dia-Compe DP7N	direct pull			
	Crankset	Sugino Impel 300	42/32/20		58/94mm bolt hole circle	29.9 lb.
Botto	m bracket	Shimano BB-LP27			73 x 113	13.57kg
	Pedals	Resin/alloy cage w	clips and	straps	9/16" axle	
	Cassette	SR PF35C 11-28			8spd	I
	Chain	Sachs PC-21			106 length, 3/32"	
	Front hub	Shimano STX-RC			COMPANY AND AND	
	Front tire	Bontrager Jones			49/53	
	Rear hub	Shimano STX-RC			HyperGlide Compact cassette, 8 speed,	135mm O.L.D.
	Rear tire	Bontrager Jones			46/50	
	Tubes	Presta valve				
	Front Rim	Matrix Swami			546 E.R.D., Velox 19mm rim strip	
	Rear Rim	Matrix Swami RDR			542 E.R.D., Velox 22mm rim strip	
	Spokes	DT 14G stainless			32 spoke Radial Front, 32 spoke 3x Rea	r
	Saddle	Dantragar Comm.	10		256, 263/264 rear (D/ND)	
	Seatpost	Bontrager Comp + Alloy micro-adjust	10		27.2mm diameter	
S	eat binder	Alloy w/integral bo	1+		35.0 clamp diameter	
	dditionals	2 water bottle mou			33.0 Clamp Gameter	
	Colors	Ice RC Blue/Black		decal		
	001015	ice ice bide/black	ם ביייוני	uccai		
Fr	ame sizes	S	M	L		
	lebar width	580	580	580		
	em length	90	105	105		
	nk length	170	175	175		
	ost length	300	350	350		
St	eerer, mm	182	202	202		
	Spring #	600	700	800		
		All measurements w	/10mm sag	front and re	ear, except standover and fork length	
	rk Length		axle-crown			1
	ead angle	71.0	71.0	71.0		
	eat angle	74.0	73.0	72.0		
	Standover	710	740	739		
	Seat tube	432	483	533		
	lead tube	105	125	125		
ET	f top tube	564	612	644		
	Reach hainstays	639	699	731		
	BB height	425	425	425		
4.5	Offset	302 39	302 39	302 39		
	Trail	74	74	74		
V	Vheelbase	1047	1087	1109		
		10-17	1007	1105		
N S	Standover	27.95	29.13	29.09		
	Seat tube	17.01	19.02	20.98		
	lead tube	4.13	4.92	4.92		
	f top tube	22.20	24.09	25.35		
	Reach	25.14	27.52	28.78		
	hainstays	16.73	16.73	16.73		
	BB height	11.89	11.89	11.89		
	Offset	1.54	1.54	1.54		
STATE OF	Trail	2.93	2.93	2.93		
V	Vheelbase	41.22	42.80	43.66		

Wheelbase

43.66

2.93 2.93 41.22 42.80

# **TEAM DOWNHILL**

# OUR PRICE: \$

Main tubes   Got ITs Trek design aluminum   BockShox Boxser Pro											
Stay   Soof   Fork   Rear shock   Fork   Rear shock   Fork   Fork   Rear shock   Fork   For	Main tu	thes	6061 T6 Trek	design	aluminum					48	
Fork   Rear shock   Fork   F					didiiiii			11		114	
Constraint   Con		200000000000000000000000000000000000000			)	152mm tra	vel	1000000			
Headset   Cane Creek   Cane C			NOCKSHOX BO	***************************************						97	
Cane Creck	Rear sh	ock	Fox Vanilla R	X coil/o	il w/piggyl	oack	2.25" stroke, 152mm rear wheel travel	15	5	84	
Headset   Canc Creck   25,4/34,0/100, 27.8mm stack   20   63				•	1.000			17	7	74	
Stein   Barriager   Forget alloy direct connect   Stein   Barriager   Stein   Barriager   Stein   String   St	Head	dset	Cane Creek					100000			
Bar ends   Friend tearlieur	Handlel	bars	ICON Downh	ill, 7° b	end, 50mm	ı rise		1000		63	
Trick Dual Density   Trick Dual Density   Shifters	S	tem	Bontrager fo	rged allo	oy direct co	onnect	44.5mm steerer clamp height	23	3	55	
String   String   Shimano Deper XT RapidFire St. O.G.D., right only   Shimano Str Rapid Fire St. O.G.D., right only   Shimano Str Rapid Fire St. O.G.D., right only   Shimano Str Rapid Rise   Shimano XTR Rapid Rise   Shape Deck   Shimano XTR Rapid Rise   Shimano XTR Rapid Rise   Shimano XTR Rapid Rise   Shimano XTR A arm 48T   Spling   Shimano Str May Str. Shimano XTR A arm 48T   Shiman	Bar e	ends	-					2	6	48	
Special Compact Comp		rips	Trek Dual De	ensity		address to a					
Rear   Parkes   Par		ters	Shimano Dec	ore XT R	lapidFire Sl	_ O.G.D., righ	t only	3	0	42	
Brake Brake Brake Brake Brake Layes Disc, downhill rotors front and rear Hayes Hydraulic front Erral Hayes Hydraulic front Erral Shimano XTR 4 arm 48T Shimano XTR 8 shimano XTR 4 arm 48T Shimano XTR 4 stare 48T Shimano XT			-								
Brake levers   Crankets   Shimano XTR + arm 48T   Sh		lleur	Shimano XTI	R Rapid	Rise	unarionomia • · · · · · · · · · · · · · · · · · ·					
Cranket   Shimano XTR 4 arm 48T   Splimed/112/66mm boil hole circle   Pedals   Shimano XTR   37 a X 116   Shimano XTR   38 spd   Shimano XTR   37 a X 116   Shimano XTR   38 spd   32 spd   3		akes	Hayes Disc, o	downhill	rotors from	nt and rear					
Standower   Spring #							C. l' - 1/112/Comm halt halo girale	16.80k	g		
Pedals   Cassette   Chains   Shimano SPD MG26 DX clipless   Shimano XT 11-30   Sachs PC-51   106 length, 3/32"   Hayes disc compatible, thru axis   Bontrager Jones, folding   Hayes Disc   Bontrager Clyde   Bontrager Clyde   Spatial Bontrager Start Binder   Spatial					48T		#3.5050000000000000000000000000000000000				
Sachs PC-51					DV 11 1						
Search SPC-51					DX cliples	5					
Front time   Front time   Rear time   Rear time   Rear time   Tubes   Front Rear time   Tubes   Front Rear time   Presta valve, ultra light   Presta valve, ultra light   Sontrager Clyde   So											
Front tire   Rear hid   Rear tire   Tubes   Front Rear Rear Rear Rear Rear Rear Rear Rear					la than	l <sub>o</sub>	ioo ichgui, 5/32				
Rear hith   Rear tire   Tubes   Front Rim   Rear Rim   Spokes   Front Rim   Rear Rim   Spokes   Tubes   Seat Builder   Seat						ie	52/55				
Rear tire Tubes   Presta valve, ultral light   Fresta valve, ultral lig		200		ones, fol	ding		UpperGlide Compact cassette rotor 8 speed	135mm 0.1.	D.		
Tubes   Front Rim   Rear Rim   Spokes		PATRICIA CO.	Hayes Disc	suss fol	ding						
Front Rim   Spokes		100					49/31				
Seathers					ynt		542 F.R.D. Velox 22mm rim strip				
Spokes   S							542 F R D. Velox 22mm rim strip				
Saddle   Seatport   CON 2, 2014 Al   Sontrager FS+10 Race, Cro-Moly/leather   Construction   Construct		CONTRACTOR OF STREET			tainless		32 spoke 3x Front, 32 spoke 3x Rear				
Sadde   Seatpost   CON 2, 2014 Al   27.2mm diameter   35.0 clamp	3h	OIC3	טכו (+ווע	butteu 3	itanness						
CON 2, 2014 Al   27.2mm diameter   35.0 clamp diameter   35.0 cl	Sa	aldle	Rontrager F	S±10 Ra	ice Cro-Mo	olv/leather					
Additionals   Alloy w/integral bolt   35.0 clamp diameter					ice, ero im	313/1-22-1-1	27.2mm diameter				
Additionals   Colors					t		35.0 clamp diameter				
Team Yellow and Purple/Red   * Team decal Frams sizes   S   M   L			MRP DH-1	chain te	nsioner		149 PENNAN 1440 PENNAND <b>U</b> R 047000 / / / /				
Frame sizes						Team decal					
Handlebar width   620											
Stem length Crank length Seatpost length Seatpost length Seatpost length Steerer, mm Spring # A50         250         350           All measurements w/20mm sag front and rear, except standover and fork length           Fork Length Head angle Seat angle         69.0         67.0         67.0         67.0         67.0         67.0         67.0         67.0         67.0         69.0         62.7 <th></th> <th></th> <th> </th> <th>520</th> <th>620</th> <th>620</th> <th></th> <th></th> <th></th> <th></th> <th></th>				520	620	620					
Crank length   170   170   170   170   170   170   Steerer, mm   208   208   208   450   525   625			(	50	60	60					
Steerer, mm   Spring #   450   525   625	Crank le	ngth		170	170	170					
Spring #   450   525   625	Seatpost le	ength	2	250	250						
Fork Length Head angle Seat angle   67.0   67.0   67.0   69.0	Steerer,	, mm	1	208							
Fork Length Head angle Seat angle   67.0   67.0   67.0   69.0   69.0	Spri	ng #		150	525		10.17				
Head angle   67.0   67.0   67.0   69.0   69.0     MM							r, except standover and fork length				
Seat angle											
Standover   Seat tube   452   483   549     Head tube   125   125   125     Eff top tube   577   598   627     Reach   629   650   679     Chainstays   435   435   435     BB height   321   321   321     Offset   42   42   42     Trail   97   97   97     Wheelbase   1080   1101   1131    IN   Standover   28.98   30.94   32.28     Seat tube   4.92   4.92   4.92     Head tube   4.92   4.92   4.92     Eff top tube   22.72   23.54   24.69     Reach   24.76   25.59   26.73     Chainstays   17.13   17.13   17.13     BB height   12.64   12.64   12.64     Offset   1.65   1.65   1.65     Trail   3.81   3.81   3.81			1								
Seat tube											
Head tube   125			1								
Eff top tube     Reach     Chainstays     BB height     Offset     Trail     Wheelbase  IN Standover Seat tube Head tube Eff top tube Reach Reach Chainstays B height 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.65											
Reach   629   650   679     Chainstays   435   435   435     BB height   321   321   321     Offset   42   42   42     Trail   97   97   97     Wheelbase   1080   1101   1131    IN   Standover   28.98   30.94   32.28     Seat tube   17.80   19.02   21.61     Head tube   4.92   4.92   4.92     Eff top tube   22.72   23.54   24.69     Reach   24.76   25.59   26.73     Chainstays   17.13   17.13     BB height   12.64   12.64   12.64     Offset   1.65   1.65   1.65     Trail   3.81   3.81   3.81											
Chainstays       435       435       435         BB height       321       321       321         Offset       42       42       42         Trail       97       97       97         Wheelbase       1080       1101       1131         IN       Standover Seat tube       28.98       30.94       32.28         Seat tube       17.80       19.02       21.61         Head tube       4.92       4.92       4.92         Eff top tube       22.72       23.54       24.69         Reach       24.76       25.59       26.73         Chainstays       17.13       17.13       17.13         BB height       12.64       12.64       12.64         Offset       1.65       1.65       1.65         Trail       3.81       3.81       3.81			1								
BB height Offset											
Offset Trail       42       42       42         97       97       97       97         Wheelbase       1080       1101       1131         IN       Standover Seat tube       28.98       30.94       32.28         Seat tube       17.80       19.02       21.61         Head tube       4.92       4.92       4.92         Eff top tube       22.72       23.54       24.69         Reach       24.76       25.59       26.73         Chainstays       17.13       17.13       17.13         BB height       12.64       12.64       12.64         Offset       1.65       1.65       1.65         Trail       3.81       3.81       3.81											
Trail Wheelbase       97       97       97         IN       Standover Seat tube Head tube Eff top tube Reach Chainstays B height Offset Trail       28.98 30.94 32.28 30											
Wheelbase         1080         1101         1131           IN         Standover Seat tube         28.98         30.94         32.28           Seat tube         17.80         19.02         21.61           Head tube         4.92         4.92         4.92           Eff top tube         22.72         23.54         24.69           Reach         24.76         25.59         26.73           Chainstays         17.13         17.13         17.13           BB height         12.64         12.64         12.64           Offset         1.65         1.65         1.65           Trail         3.81         3.81         3.81											
IN       Standover Seat tube       28.98       30.94       32.28         Seat tube       17.80       19.02       21.61         Head tube       4.92       4.92       4.92         Eff top tube       22.72       23.54       24.69         Reach       24.76       25.59       26.73         Chainstays       17.13       17.13       17.13         BB height       12.64       12.64       12.64         Offset       1.65       1.65       1.65         Trail       3.81       3.81       3.81	Whee										
Seat tube         17.80         19.02         21.61           Head tube         4.92         4.92         4.92           Eff top tube         22.72         23.54         24.69           Reach         24.76         25.59         26.73           Chainstays         17.13         17.13         17.13           BB height         12.64         12.64         12.64           Offset         1.65         1.65         1.65           Trail         3.81         3.81         3.81	***************************************				200500510	200005 M					
Seat tube       17.80       19.02       21.61         Head tube       4.92       4.92       4.92         Eff top tube       22.72       23.54       24.69         Reach       24.76       25.59       26.73         Chainstays       17.13       17.13       17.13         BB height       12.64       12.64       12.64         Offset       1.65       1.65       1.65         Trail       3.81       3.81       3.81	IN Stand	dover		28.98	30.94	32.28					
Head tube       4.92       4.92       4.92         Eff top tube       22.72       23.54       24.69         Reach       24.76       25.59       26.73         Chainstays       17.13       17.13       17.13         BB height       12.64       12.64       12.64         Offset       1.65       1.65       1.65         Trail       3.81       3.81       3.81											
Eff top tube     22.72     23.54     24.69       Reach     24.76     25.59     26.73       Chainstays     17.13     17.13     17.13       BB height     12.64     12.64     12.64       Offset     1.65     1.65     1.65       Trail     3.81     3.81     3.81											
Reach         24.76         25.59         26.73           Chainstays         17.13         17.13         17.13           BB height         12.64         12.64         12.64           Offset         1.65         1.65         1.65           Trail         3.81         3.81         3.81											
Chainstays         17.13         17.13         17.13           BB height Offset Trail         1.65         1.65         1.65           Trail         3.81         3.81         3.81						26.73					
BB height Offset         12.64         12.64         12.64           Trail         3.81         3.81         3.81	Chain	ıstays			17.13						
Offset         1.65         1.65         1.65           Trail         3.81         3.81         3.81	BB h	reight		12.64	12.64						
		Offset									
<b>Wheelbase</b> 42.52 43.35 44.53											
	Whee	elbase		42.52	43.35	44.53					

# OUR PRICE: \$

# Y GLIDE DELUXE

	Main tubes	6061 T6 Trek desig	n aluminur	n		22 32 42
	Stays	6061 T6 aluminum	, TIG welde			<b>11</b> 52 76 100
	Fork	Manitou X-Vert R,	TPC		100mm travel	<b>13</b> 44 65 85
	Door chook	Env Vanilla DV niga	nubaak aail	loil	9.5mm upper clamp height 2.0" stroke, 137mm rear wheel travel	
	Rear shock	Fox Vanilla RX pigg	јуваск соп/	OII	7.0" eye to eye, 5/8" & 7/8" ends	<b>15</b> 38 56 73
	Headset	WTB Grease Guard			25.4/34.0/30.0, 27.0mm stack	<b>17</b> 34 49 65
	Handlebars	ICON Downhill, 7°	bend, 50m	m rise	25.4mm clamp diameter	<b>20</b> 29 42 55
	Stem	1CON forged alloy of	lirect conn	ect	39.5mm steerer clamp height	<b>23</b> 25 36 48
	Bar ends					<b>26</b> 22 32 42
	Grips Shifters	Trek Dual Density				
F	ront derailleur	GripShift ESP-900 Shimano Deore LX	Ton Swing		Top pull, 34.9mm/1 3/8"	<b>30</b> 19 28 37
	ear derailleur	GripShift ESP 9.0	rop swing		10p pan, 3 1.311111/1 3/6	
	Brakes	Hayes Disc, front a	nd rear			22.5 %
	Brake levers	Hayes Hydraulic, fro	ont and rea			32.5 lb. 14.76kg
	Crankset	Shimano Deore LX		32/22	Splined/104/64mm bolt hole circle	14.70Kg
Во	ttom bracket	Shimano BB-UN52			73 x 113 9/16" axle	
	Pedals Cassette	Shimano SPD M62 Shimano HG60-l 1		SS	8spd	
	Chain	Sachs PC-41	1-30		106 length, 3/32"	
	Front hub	Hayes disc compati	ble			
	Front tire	1RC Missile			26 x 2.1	X 100 min 18489 3941
	Rear hub	Hayes Disc			HyperGlide Compact cassette, rotor, 8 spe	ed, 135mm O.L.D.
	Rear tire	1RC Missile			26 x 2.1	
	Tubes Front Rim	Presta valve Bontrager Mustang	ACVIA		542 E.R.D., Velox 22mm rim strip	
	Rear Rim	Bontrager Mustang			542 E.R.D., Velox 22mm rim strip	
	Spokes	DT 14/15G butted			32 spoke 3x Front, 32 spoke 3x Rear	
		tices is many-reac analysississis			266/262, 263/264 rear (D/ND)	
	Saddle	Bontrager FS+10 R	ace, Cro-M	loly/leather		
	Seatpost		1.		27.2mm diameter	
	Seat binder	Alloy w/integral bo			35.0 clamp diameter	
	Additionals Colors	2 water bottle mou Black Mercury Pear	ints 1/Mango.●	Mango 3D c	lecal	
	Frame sizes	S S	M	L	recui	1
Н	andlebar width	620	620	620		
	Stem length	90	105	105		1
	Crank length	170	175	175		1
5	eatpost length	250	350	350 212		1
	Steerer, mm Spring #	192 450	212 500	600		
	Spring #				r, except standover and fork length	
	Fork Length	465mm	axle-crown		20 at 180	
	Head angle	70.0	70.0	70.0		
	Seat angle		72.0	71.0		
MIN	Standover		759	759 533		
	J Seat tube Head tube	432 105	483 125	125		
	Eff top tube	564	612	644		
	Reach		706	738		
	Chainstays	425	425	425		
	BB height	313	313	313		
	Offset		39	39 81		
	Trail Wheelbase	81 1047	81 1087	1109		
	THICCIDASC	1047	1007	1102		
IN	Standover		29.88	29.88		
and fo	Seat tube	17.01	19.02	20.98		
	Head tube		4.92	4.92		
	Eff top tube		24.09	25.35		
	Reach Chainstays		27.78 16.73	29.04 16.73	74	
	BB height		12.32	12.32		
	Offset		1.54	1.54		
	Trail	3.18	3.18	3.18		
	Wheelbase	41.22	42.80	43.66		

Main tubes	6061 T6 Trek design	aluminum			20 32 42
Stays	6061 T6 aluminum, T	1G welded	URT		11 48 76 100
Fork	RockShox Judy XL T2		· · · · ·	100mm travel	
IOIK	ROCKSHOX Judy AL 12			14mm upper clamp height	<b>12</b> 44 70 92
Described	E V 11- V 11/011			1.75" stroke, 121mm rear wheel travel	<b>14</b> 37 60 79
Rear shock	Fox Vanilla X coil/oil			7.0" eye to eye, 5/8" & 7/8" ends	
	D: 0 CE M 1	- 1		25.4/34.0/30.0, 25.0mm stack	<b>16</b> 33 52 69
Headset	Dia-Compe ST Ahead		50 <b>.</b>	25.4mm clamp diameter	<b>18</b> 29 47 61
Handlebars	1CON Downhill, 7° be			41 Own stores along height	The same of the sa
Stem	System 1 forged alloy	direct co	nnect	41.0mm steerer clamp height	<b>21</b> 25 40 52
Bar ends	7 <u>-11</u>				24 22 35 46
Grips	Trek Dual Density				
Shifters	Shimano STX-RC Rap			ANY W SEE	<b>28</b> 19 30 39
Front derailleur	Shimano STX Top Sw	ing		Top pull, 34.9mm/1 3/8"	
Rear derailleur	Shimano Deore LX SO	iS			
Brakes	Avid Single Digit 10				30.5 lb.
	Avid AD-1.0 L long p				13.85kg
Crankset	Sugino Impel 300 42			58/94mm bolt hole circle	, siosky
	Shimano BB-LP27	130120		73 x 113	
	Wellgo DH clipless			9/16" axle	
				8spd	
	SR PF35C 11-28 Sachs PC-41			106 length, 3/32"	
				100 length, 9/32	
Front hub	Shimano STX-RC			49/53	
Front tire				HyperGlide Compact cassette, 8 speed,	135mm O.L.D
Rear hub					133mm O.E.D.
Rear tire				46/50	
Tubes				EAC F.D.D. Weley 10mm rim strip	
Front Rim	Matrix Swami			546 E.R.D., Velox 19mm rim strip	
Rear Rim	Matrix Swami RDR			542 E.R.D., Velox 22mm rim strip	
Spokes	DT 14G stainless			32 spoke Radial Front, 32 spoke 3x Rea	r
				256, 263/264 (D/ND	
Saddle	Bontrager Comp +10	)			
Seatpost				27.2mm diameter	A
Seat binder				35.0 clamp diameter	
Additionals					
Colors		rcoal • Da	rk Chrome 3	D decal	
Frame sizes	S	M	L		
Handlebar width	0.00	620	620		
Stem length		105	120		
Crank length		175	175		
Seatpost length		350	350		
		216	216		
Steerer, mm			700		
Spring #	500	600		; except standover and fork length	
- 11	All measurements w	Smm Sag	nont and icai	, except standover and rolk length	
Fork Length		xle-crown 1			
Head angle		70.0	70.0		
Seat angle		72.0	71.0		
MM Standover		759	759 533		
Seat tube		483	533		
Head tube		125	125		
Eff top tube		612	644		
Reach		698	742		
Chainstays		425	425		
BB height		313	313		
Offset		39	39		
Trail	81	81	81		
Wheelbase		1087	1109		
IN Standover	28.78	29.88	29.88		
Seat tube		19.02	20.98		
Head tube		4.92	4.92		
Eff top tube		24.09	25.35		
Reach		27.48	29.22		
Chainstays		16.73	16.73		
BB height		12.32	12.32		
Offse		1.54	1.54		
Trai		3.18	3.18		
Wheelbase		42.80	43.66		
wileemast	41.22	72.00	00.61		

### Seatposts

With OCLV frames, do not grease the seatpost. OCLV bikes have a fiberglass sleeve bonded into their carbon seat tube. This sleeve prevents galvanic corrosion of the seatpost and carbon, so no grease is needed, nor recommended. If grease is applied, it may be very difficult to get adequate clamping force to hold the seatpost. If you have accidentally greased an OCLV frame, use a rag with some degreaser to remove the grease, using normal caution to protect bearings and paint.

Trek OCLV mountain bikes are designed to accept 27.2mm seat posts with a tolerance of 27.10 to 27.20mm outer diameter. Measure the seatpost for conformity to this tolerance prior to installation.

For seat post binder bolts, tighten to 85-125 lboin (9.6-14.1 Nm).

#### Special Torque Specs

Rear derailleur hanger

30-40 lboin (35-45 Nm)

## **Special Parts**

Part #

Rear derailleur hanger kit- Derailleur hanger, screw

980116

#### **Bottom bracket**

Be sure bottom bracket threads are clean and well greased before insertion. Failure to do so may cause galling of the threads, especially when inserting into an aluminum bottom bracket shell.

## Chainstay guard

OCLV Mountain frames must always be fitted with a chainstay guard to protect against damage in case of chainsuck or overshifting past the inner chainring. This piece is both riveted and bonded. If it should be damaged, the frame should be shipped back to Trek for repair.

## Triple Clamp, Dual Crown Forks

Triple clamp forks put additional stress on a bike frame applied by both the extra length and the extra stiffness. For this reason, triple clamp forks should not be put on any Trek other than the '98 dual suspension frames.

Main tubes   OCLV carbon   Fork   Rock-Shors SID   Carbo Creek   Carbon		Pro-							
Fort   Reck   Came Creek   25,434,03   20, 27,8mm stack   13							3. 3.	24 34	1 46
Headset   Canc Creek   25,4/3.0/30.0, 27.8mm stack   13					***		11	57 81	110
Sample   S		Section of the Party State of the Control of the Co					13	19 60	03
Stem   Grow Ford alloy direct connect   39.5mm steerer clamp height   17   37   52   71   17   37   37   37   37   37   37									
Bar ends   Grips   Front deallar   Front dea				ant				42 59	80
Shifting			rect conne	ect	: ווווווכ.פכ	steerer clamp neight	17	37 52	71
Shifters   Front decided   F							20	31 45	60
From tire   Rear thres    Shimano XTR Top Swing   Shimano XTR Papid Rise   Shimano XTR Papid R			Fire SL O C	i D					
Rear derailleur   Shimano XTR Rapid Rise   Shimano XTR V   Shimano XTR XT   Shimano XTR XT   Shimano XTR XT				3.0.	Top pull.	Plate style		27 39	52
Brake Brake Brake Brake Shimano XTR V Shimano XTR V Shimano XTR Shimano XTR Shimano XTR Shimano XTR 4 arm 46/34/24 Spined/1112/68mm bolt hole circle Shimano XTR 4 arm 46/34/24 Spined/1112/68mm bolt hole circle Shimano XTR 5 arm 46/34/24 Spined/1112/68mm bolt hole circle Shimano XTR 1-30 Spined/1112/68mm bolt hole circle Spined/112/68mm bolt hole circle Spined/112/68mm bolt hole circle Spined/112/68mm bolt hole circle Spined/112/68mm bolt hole circle Spined/132/67mm spined/112/68mm bolt hole circle Spined/132/67mm spi					1.	no sakena kana i rata pa	26	24 34	46
Crankset   Bottom bractet   Shimano XTR   4 arm 46/34/24   Splined/112/66mm bolt hole circle   Pedals   Shimano XTR   1-30   Bayd   10.10kg							30	21 30	40
Rear tire   Front hip   Fron	Brake levers	Shimano XTR V							
Pedals   Cassette   Shimano SPD M747 cliples   Shimano Spakes   Shimano Shimano Spakes   Shi	Crankset	Shimano XTR 4 arm	46/34/24			12/68mm bolt hole circle			
Cassette   Chain   Shimano SPI M/4 Clipiess   Shimano Spices   Canac Creck Crono, Salsa FlipOffs   Canac Creck Crono, Salsa FlipOffs   Continental Double fighter, folding   Canac Creck Swami   Canac Creck Swami BPI Presta valve, ultra light   Spices   Spices   Spices   Custom drilled, 546 E.R.D., Velox 19mm rim strip   C							2	2 25 lh	
Claim   Front hub   Sachs PC-51   Took length, 3/32"   Continental Double flighter, folding   Continental Contin						e			
Front hub   Front tric   Carterina Double fighter, folding   26 × 2.0   Carterina Double fighter, folding   Carterina Double fig						1 2/22		3. rong	
Front tire   Rear hub   Gontinental Double fighter, folding   26 x 2.0			1 EV 0	P.C.	106 lengt	h, 3/32"	_		_
Rear hub   Rear tire   Came Creek Cronn, Salsa PlipOffs   Lipschild   Compact cassette, 8 speed, 135mm O.L.D.					26 × 20				
Rear tire   Tubes   Front Rim   Rear Rim   Spokes   Sadule   Scatpost   Scat binder   Scatube   Additionals   Colors						la Compact cassette 9 speed	135mm Ω	LD	
Presta valve, ultra light   Custom drilled, 546 E.R.D., Velox 19mm rim strip   Custom drilled, 546 E.R.D., Velox 19mm rim strip   Custom drilled, 546 E.R.D., Velox 22mm rim strip   Nail head straight pull, 3/16" hex nip   24 spoke Radial Front 28 spoke Lx/Radial Rear   252, 233/249 rear (IDND)		Cantinental Double	fighter fo	ldina		ic compact cassette, o spece	, 15511111110		
Front Rim   Cane Creek Swami RDR				iding	20 A 2.0				
Care Creek Swami RDR			giit		Custom o	Irilled, 546 E.R.D., Velox 19n	ım rim strip		
Spokes   Nail head straight pull, 3/16" hex nip   24 spoke Radial Front   28 spoke   1x/Radial Rear   252, 233/249 rear (D/ND)			RDR						
Saddle Sext post				hex nip					
CON 2, 2014 A  27.2mm diameter   Additionals   Colors		Patrick without the Set 1.			252, 233	/249 rear (D/ND)			
Seat binder Additionals   Colors			ails, Team	embroidered					
Additionals Colors  Team Yellow and Purple/Team ● Team decal  Frame sizes Handlebar width 580 580 580 580 580 Crank length 90 105 120 120 135 Crank length 170 175 175 175 180 Seatpost length 250 350 350 350 350 Steerer, mm 188 188 188 201 237  For Length 415mm axle-crown race Head angle 73.0 73.0 73.0 73.0 73.0 73.0  MM Standover 693 718 742 771 806 Seat tube 110 110 110 124 159 Eff top tube 554 565 592 594 600 Reach 635 659 700 702 721 Chainstays 424 424 424 424 424 Be Height 298 298 297 297 297  Offset 38 38 38 38 38 38 Trail 79 79 75 75 75 Wheelbase 1030 1041 1060 1065 1070  IN Standover 27.28 28.27 29.21 30.35 31.73 Seat tube 43.33 4.33 4.33 4.88 6.26 Chainstays 16.69 16.69 16.69 16.69 16.69 16.69 Be height 11.73 11.73 11.69 11.69 11.69 Be height 11.73 11.73 11.69 11.69 11.69 Be height 11.73 11.73 11.69 11.69 11.69 Uffset 1.50 1.50 1.50 1.50 1.50 1.50 1.50 Trail 30.93 3.09 2.97 2.97 Be height 11.73 11.73 11.69 11.69 11.69 Uffset 1.50 1.50 1.50 1.50 1.50 1.50 1.50 Trail 30.93 3.09 2.97 2.97 Be height 11.73 11.73 11.69 11.69 11.69 Uffset 1.50 1.50 1.50 1.50 1.50 1.50 1.50 Trail 30.93 3.09 2.97 2.97 Seat tube 11.73 11.73 11.69 11.69 11.69 Uffset 1.50 1.50 1.50 1.50 1.50 1.50 1.50 Trail 30.93 3.09 2.97 2.97 Seat 50.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5									
Frame sizes					35.0 clan	ıp diameter			
Frame sizes				500 W	·				
Handlebar width   580	Colors	Team Yellow and Pu	arple/Tean	i • Team deca	I				
Handlebar width   580									
Handlebar width   580									
Handlebar width   580	Frame sizes	15	16.5	18	19.5	21			
Stem length   90   105   120   120   135		20.04							
Crank length Seatpost length Steerer, mm         170         175         175         175         180           Steerer, mm         188         188         188         201         237           Fork Length Head angle Seat angle         70.5         70.5         71.0         71.0         71.0           Seat angle         73.0         73.0         73.0         73.0         73.0           MM         Standover Seat tube         381         419         457         495         533           Head tube Head tube Eff top tube Chainstays         424         4		2-50000000				135			
Fork Length		170		175	175	180			
Fork Length   Head angle   70.5   70.5   71.0   71.0   71.0   73.0   7	Seatpost length	250	350	350	350	350			
Head angle	Steerer, mm	188	188	188	201	237			
Head angle									
Head angle									
Seat angle					71.0	71.0			
MM         Standover Seat tube         693         718         742         771         806           Seat tube         381         419         457         495         533           Head tube         110         110         110         124         159           Eff top tube         554         565         592         594         600           Reach         635         659         700         702         721           Chainstays         424         424         424         424         424           BB height         298         298         297         297         297           Offset         38         38         38         38         38           Trail         79         79         75         75         75           Wheelbase         1030         1041         1060         1065         1070           IN         Standover Seat tube         27.28         28.27         29.21         30.35         31.73           Seat tube         4.33         4.33         4.33         4.88         6.26           Eff top tube         21.81         22.24         23.31         23.39         23.62      <									
Seat tube									
Head tube   110									
Eff top tube         554         565         592         594         600           Reach         635         659         700         702         721           Chainstays         424         424         424         424         424           BB height         298         298         297         297         297           Offset         38         38         38         38         38           Trail         79         79         75         75         75           Wheelbase         1030         1041         1060         1065         1070           IN         Standover Seat tube         27.28         28.27         29.21         30.35         31.73           Seat tube         15.00         16.50         17.99         19.49         20.98           Head tube         4.33         4.33         4.33         4.88         6.26           Eff top tube         21.81         22.24         23.31         23.39         23.62           Reach         24.98         25.94         27.55         27.63         28.40           Chainstays         16.69         16.69         16.69         16.69         16.69									
Chainstays         424         424         424         424         424         424         424         424         98         297         2				592	594	600			
BB height Offset			659	700					
Offset Trail         38									
Trail Wheelbase         79         79         75         76         32         84									
Wheelbase         1030         1041         1060         1065         1070           IN         Standover Seat tube Head tube         27.28         28.27         29.21         30.35         31.73           Head tube Eff top tube Reach Chainstays         4.33         4.33         4.33         4.88         6.26           Reach Chainstays Bheight Offset Trail         16.69         16.69         16.69         16.69         16.69         11.69           150         1.50         1.50         1.50         1.50         1.50         1.50           Trail         3.09         3.09         2.97         2.97         2.97									
IN         Standover Seat tube         27.28         28.27         29.21         30.35         31.73           Head tube         15.00         16.50         17.99         19.49         20.98           Head tube         4.33         4.33         4.33         4.88         6.26           Eff top tube         21.81         22.24         23.31         23.39         23.62           Reach         24.98         25.94         27.55         27.63         28.40           Chainstays         16.69         16.69         16.69         16.69           BB height         11.73         11.73         11.69         11.69           Offset         1.50         1.50         1.50         1.50           Trail         3.09         3.09         2.97         2.97         2.97									
Seat tube         15.00         16.50         17.99         19.49         20.98           Head tube         4.33         4.33         4.33         4.88         6.26           Eff top tube         21.81         22.24         23.31         23.39         23.62           Reach         24.98         25.94         27.55         27.63         28.40           Chainstays         16.69         16.69         16.69         16.69           BB height         11.73         11.73         11.69         11.69           Offset         1.50         1.50         1.50         1.50           Trail         3.09         3.09         2.97         2.97         2.97	wneemase	1030	1041	1060	1065	1070			
Seat tube         15.00         16.50         17.99         19.49         20.98           Head tube         4.33         4.33         4.33         4.88         6.26           Eff top tube         21.81         22.24         23.31         23.39         23.62           Reach         24.98         25.94         27.55         27.63         28.40           Chainstays         16.69         16.69         16.69         16.69           BB height         11.73         11.73         11.69         11.69           Offset         1.50         1.50         1.50         1.50           Trail         3.09         3.09         2.97         2.97         2.97	TM Standovor	27.20	28 27	29 21	30.35	31.73			
Head tube       4.33       4.33       4.33       4.88       6.26         Eff top tube       21.81       22.24       23.31       23.39       23.62         Reach       24.98       25.94       27.55       27.63       28.40         Chainstays       16.69       16.69       16.69       16.69         BB height       11.73       11.73       11.69       11.69         Offset       1.50       1.50       1.50       1.50         Trail       3.09       3.09       2.97       2.97       2.97									
Eff top tube Reach       21.81       22.24       23.31       23.39       23.62         Reach Chainstays BB height Offset Trail       16.69       16.69       16.69       16.69       16.69         1.50       1.50       1.50       1.50       1.50         1.50       2.97       2.97       2.97									
Reach Chainstays         24.98         25.94         27.55         27.63         28.40           Chainstays BB height Offset Trail         11.73         11.73         11.69         11.69         11.69           1.50         1.50         1.50         1.50         1.50         1.50           3.09         3.09         2.97         2.97         2.97									
Chainstays         16.69         16.69         16.69         16.69           BB height Offset Trail         1.50         1.50         1.50         1.50         1.50           Trail         3.09         3.09         2.97         2.97         2.97									
BB height Offset Trail         11.73         11.69         11.69         11.69           3.09         3.09         2.97         2.97         2.97									
Offset Trail         1.50				11.69	11.69				
		1.50							
Wheelbase 40.55 40.98 41.73 41.93 42.13									
	Wheelbase	40.55	40.98	41.73	41.93	42.13			

# **ALPHA ZX, ALPHA SL AND STEEL ATB**

#### Seatposts

With aluminum and steel mountain bikes, lubricate the seatpost before insertion. Apply a thin layer of grease to the section of the seatpost that will be inserted into the frame. Insert the seatpost into the frame, adjust to the proper height, and engage the binder lever or bolt. Never engage the seatpost binder lever with the seatpost out of the frame.

Trek aluminum and steel mountain bikes are designed to accept 27.2mm seat posts with a tolerance of 27.10 to 27.20mm outer diameter. Measure the seatpost for conformity to this tolerance prior to installation.

For seat post binder bolts, tighten to 85-125 lboin (9.6-14.1 Nm).

#### **Special Torque Specs**

Rear derailleur hanger

30-40 lboin (35-45 Nm)

#### **Special Parts**

Rear derailleur hanger kit- Derailleur hanger, screw

Part #

980116

#### **Bottom bracket**

Be sure bottom bracket threads are clean and well greased before insertion. Failure to do so may cause galling of the threads, especially when inserting into an aluminum bottom bracket shell.

#### Chainstay guard

Aluminum mountain frames must always be fitted with a chainstay guard to protect against damage in case of chainsuck or over-shifting past the inner chainring.

Chainstay guard

980136

### Triple Clamp, Dual Crown Forks

Triple clamp forks put additional stress on a bike frame applied by both the extra length and the extra stiffness. For this reason, triple clamp forks should not be put on any Trek other than the '98 dual suspension frames.

0	U	R	P	RI	C	E:	\$

							22 22	// 2	FM
Main tubes		ninum					22 32		
Stays	6061 T6 aluminum			63mm tra	val	11	52 76	100	
Fork					/30.0, 27.0mm stack	13	44 65	85	
Headset Handlebars					lamp diameter	15	38 56	73	
Stem		rect conne	ct		teerer clamp height	10/20/200			
Bar ends	1CON Forged Ergo	icer comic		33.31	1 3	17	34 49	65	
Grips	Trek Dual Density					20	29 42	55	
Shifters	Shimano Deore XT F	RapidFire SI	L			23	25 36	48	
Front derailleur	Shimano Deore XT T		30	Top pull,	34.9mm/1 3/8"	100,000			
Rear derailleur	Shimano XTR Rapid					26	22 32	42	
Brakes						30	19 28	37	
Brake levers	Hayes Hydraulic, fro		į						-
Crankset		1 arm 42/3	2/22		04/64mm bolt hole circle			4	
<b>Bottom bracket</b>	Shimano BB-UN72			73 x 113		2	4.0 lb.		
Pedals	ICON clipless			9/16" axl	e	1	0.90kg		
Cassette	Shimano XT 11-30			8 spd	and constitutions				
Chain	Sachs PC-51			106 lengt	h, 3/32"				
Front hub	Hayes Disc			Samuel Mariner					
Front tire	Bontrager Revolt SS	, folding		49/53			O.I. D.		
Rear hub	Hayes Disc				le Compact cassette, rotor, 8	spa, 13511	im U.L.D.		
Rear tire				46/50					
Tubes	Presta valve, ultra li				V.1 22				
Front Rim	Bontrager Mustang				)., Velox 22mm rim strip				
Rear Rim		ASYM			)., Velox 22mm rim strip		12		
Spokes	DT 14/15G butted s	stainless, al	loy nips		3x Front, 32 spoke 3x Rear 264/265 (D/ND)				
		1 '. TT'	/1		264/265 (D/ND)				
Saddle		ice Lite, Til	anium/leath	er 27,2mm	diameter				
Seatpost	ICON 2, 2014 Al								
Seat binder	Alloy w/integral bol	t	2")	35.0 Clan	np diameter				
Additionals Colors									
	The control of the co								
Frame sizes	13	16.5	18	19.5	21				
Handlebar width	V#330	580	580	580	580				
Stem length		105	120	120	135				
Crank length		175	175	175	175				
Seatpost length		350	350	350	350				
Steerer, mm		168	183	203	223				
Fork Length	415mm	axle-crown	race						
Head angle		71.0	71.0	71.0	71.0				
Seat angle		73.5	73.0	73.0	72.5				_
MM Standover		714	742	774	805				
Seat tube		419	457	495	533				
Head tube		90	105	125	145				
Eff top tube		566	584	596	610				
Reach		660	692	704	731				
Chainstays		424	424	424	424				
BB height		291	293	295	297				
Offse		42	42	42	42				
Trai		71	71	71 .	71 1080				
Wheelbase	1015	1042	1057	1070					
IN Standove		28.11	29.21	30.47	31.69				
Seat tube		16.50	17.99	19.49	20.98				
Head tub		3.54	4.13	4.92	5.71				
Eff top tube		22.28	22.99	23.46	24.02				
		26.00	27.24	27.71	28.79				
Reacl	s 16.69	16.69	16.69	16.69	16.69				
Chainstay									
Chainstay BB heigh	t 11.34	11.46	11.54	11.61	11.69				
Chainstay BB heigh Offse	t 11.34 t 1.65	1.65	1.65	1.65	1.65				
Chainstay BB heigh	t 11.34 t 1.65 il 2.80								

					<b>6</b> 7			
Main tubes	Butted 6013 T6 alu	minum				4	22 3	2 42
Stays	6061 T6 aluminum					11	52 76	5 100
Fork	Manitou SX-R, TPC			70mm tr		100000000000000000000000000000000000000		
Headset					0/30.0, 27.0mm stack	13	44 6	85
Handlebars	1CON 2014, 7° bend				clamp diameter	15	38 56	73
Stem	1CON forged alloy of	lirect conn	ect	39.5mm	steerer clamp height	17	34 49	65
Bar ends	ICON Fatty					20		
Grips Shifters	Trek Dual Density	D!JE! (					29 42	2 55
Front derailleur	Shimano Deore XT Shimano Deore XT			Ton pull	34.9mm/1 3/8"	23	25 36	5 48
Rear derailleur	Shimano XTR Rapid			rop puii,	34.911111/1 3/6	26	22 32	2 42
Brakes	Shimano Deore XT					30		
Brake levers	Shimano Deore XT					30	19 28	3 37
Crankset			32/22	Splined/	04/64mm bolt hole circle			
Bottom bracket	Shimano BB-UN52	T GITTE TAY	,	73 x 113				_
Pedals	1CON clipless			9/16" ax			4.5 lb.	
Cassette	Shimano HG60-1 11	-30		8spd		1	1.12kg	
Chain	Sachs PC-41				th, 3/32"			_
Front hub	Shimano Deore XT			1070				
Front tire	Bontrager Revolt S'	r, folding		49/53				
Rear hub	Shimano Deore XT				de Compact cassette, 8 speed,	135mm O	.L.D.	
Rear tire	Bontrager Revolt S			46/50				
Tubes	Presta valve, ultra li				Fee Selectivi Harmonia na Miliano			
Front Rim	Bontrager Mustang				D., Velox 22mm rim strip			
Rear Rim	Bontrager Mustang				D., Velox 22mm rim strip			
Spokes	DT 14/15G butted	stainless, a	lloy nips		Radial Front, 32 spoke 3x Re	ar		
Cadalla	D	C M	1	254, 264	/265 (D/ND)			
Saddle Seatpost	Bontrager FS+10 RailCON 2, 2014 Al	ace, Cro-IVI	oly/leatner	27 2mm	diameter			
Seat binder	Alloy w/integral bo	+			np diameter			
Additionals	2 water bottle mou		12")	55.0 Clai	np diameter			
Colors	Blaze Red/Mango							
001013	biaze Ked/Waligo	mango de	cai					
Frame sizes	13	16.5	18	19.5	21			
Handlebar width	580	580	580	580	580			
Stem length	90	105	120	120	135			
Crank length	170	175	175	175	175			
Seatpost length	250	350	350	350	350			
Steerer, mm	168	168	183	203	223			
Fools Legally	115							
Fork Length Head angle		axle-crown		71.0	71.0			
Seat angle	71.0	71.0	71.0	71.0	71.0 72.5			
1 01	74.0 661	73.5 714	73.0 742	73.0 774	805			
MM Standover Seat tube	330	419	457	495	533			
Head tube	90	90	105	125	145			
Eff top tube	536	566	584	596	610			
Reach	617	660	692	704	731			
Chainstays	424	424	424	424	424			
BB height	288	291	293	295	297			
Offset	42	42	42	42	42			
Trail	71	71	71	71	71			
Wheelbase	1015	1042	1057	1070	1080			
The Chandra	07.00	20.11	20.21	20 47	21.60			
IN Standover	26.02	28.11	29.21	30.47	31.69			
Seat tube	12.99	16.50	17.99	19.49	20.98 5.71			
Eff top tube	3.54	3.54	4.13 22.99	4.92 23.46	24.02			
Reach	21.10 24.29	22.28 26.00	27.24	27.71	28.79			
Chainstays	16.69	16.69	16.69	16.69	16.69			
BB height	11.34	11.46	11.54	11.61	11.69			
Offset	1.65	1.65	1.65	1.65	1.65			
Trail	2.80	2.80	2.80	2.80	2.80			
Wheelbase	39.96	41.02	41.61	42.13	42.52			

						20 20 10
Main tubes	Butted 6013 T6 alu	minum				22 32 42
Stays	6061 T6 aluminum			70,,,,,, two		<b>11</b> 52 76 100
Fork Headset	Manitou SX, TPC	alsat allow		70mm tra	/30.0, 27.0mm stack	<b>13</b> 44 65 85
	Dia-Compe SA Ahea ICON Downhill, 7° b				clamp diameter	<b>15</b> 38 56 73
Stem	1CON forged alloy d	lirect conne	n nac		steerer clamp height	
	1CON Fatty	meet comi		331311111		<b>17</b> 34 49 65
	Trek Dual Density					<b>20</b> 29 42 55
Shifters	Shimano Deore XT	RapidFire S	iL.			<b>23</b> 25 36 48
	Shimano Deore XT	Top Swing		Top pull,	34.9mm/1 3/8"	
	Shimano XTR Rapid					<b>26</b> 22 32 42
	Avid Single Digit 20					<b>30</b> 19 28 37
Brake levers	Avid Speed Dial-1.9	L long pu	11	C 1' 1/1	0.4/5.4	
	Shimano Deore LX	4 arm 42/3	32/22	73 x 113	04/64mm bolt hole circle	
Bottom bracket	Shimano BB-UN52			9/16" axl	0	24.5 lb.
	ICON clipless Shimano HG60-l 11	20		8spd	C	11.12kg
Chain	Sachs PC-41	-50		106 leng	h 3/32"	
Front hub	Shimano Deore LX			roo reng	, 3/32	
Front tire	Bontrager Revolt ST	Γ. folding		49/53		
Rear hub		1 1 - 1 - 1 - 1			le Compact cassette, 8 speed, 1	35mm O.L.D.
	Bontrager Revolt ST	Γ, folding		46/50		
Tubes	Presta valve, ultra li	ight		196		
Front Rim	Bontrager Mustang				D., Velox 22mm rim strip	=
Rear Rim	Bontrager Mustang	ASYM			D., Velox 22mm rim strip	
Spokes	DT 14/15G butted	stainless, a	lloy nips		Radial Front, 32 spoke 3x Rear	
				254, 264	/265 (D/ND)	
Saddle		10		27.0	F	
	ICON 2, 2014 Al	14		27.2mm		
Seat binder		It water (1 am	10")	35.0 Clar	np diameter	
Additionals Colors			( دا			
001013	THEK KEU/SHVEL & D	iack uccai				
Frame sizes	13	16.5	18	19.5	21	
Handlebar width	620	620	620	620	620	
Stem length	90	105	120	120	135	
Crank length	170	175	175	175	175	
Seatpost length	250	350	350	350	350	
Steerer, mm	168	168	183	203	223	
Pauli Laurukla	476	11 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000			
Fork Length		axle-crown		71.0	71.0	
Head angle Seat angle	71.0 74.0	71.0 73.5	71.0 73.0	73.0	72.5	
	661	714	742	774	805	
MM Standover Seat tube	330	419	457	495	533	
Head tube	90	90	105	125	145	
Eff top tube	536	566	584	596	610	
Reach		660	692	704	731	
Chainstays	424	424	424	424	424	
BB height	288	291	293	295	297	
Offset		42	42	42	42	
Trail	71	71	71	71	71	
Wheelbase	1015	1042	1057	1070	1080	
	25.00	20.11	20.21	20.47	21.60	-416;
IN Standover	26.02	28.11	29.21	30.47	31.69 20.98	
Seat tube Head tube	12.99	16.50 3.54	17.99 4.13	19.49 4.92	5.71	
Eff top tube		22.28	22.99	23.46	24.02	
Reach		26.00	27.24	27.71	28.79	
Chainstays		16.69	16.69	16.69	16.69	
BB height		11.46	11.54	11.61	11.69	
Offset		1.65	1.65	1.65	1.65	
Trail		2.80	2.80	2.80	2.80	
Wheelbase		41.02	41.61	42.13	42.52	

				_		¥0	
	Main tubes	Butted 6013 T6 a	aluminum				22 32 42
	Stays						
	Fork				63mm t		<b>11</b> 52 76 100
	Headset			ру		.0/30.0, 27.0mm stack	<b>13</b> 44 65 85
	Handlebars			0.000		clamp diameter	<b>15</b> 38 56 73
	Stem Bar ends		y direct con	nect	39.5mm	steerer clamp height	<b>17</b> 34 49 65
	Grips		,				<b>20</b> 29 42 55
	Shifters	Shimano Deore L	, X RapidFire	+			
Fr	ont derailleur				Top pul	l, 34.9mm/1 3/8"	<b>23</b> 25 36 48
R	ear derailleur						<b>26</b> 22 32 42
	Brakes			20			<b>30</b> 19 28 37
	Brake levers Crankset				C 19 17	101/61 1 11 1	AND ETERNARY CONTRACTOR
Bo	ttom bracket	Dillinatio Deore B		132/22	73 x 11	104/64mm bolt hole o	circle
50	Pedals	Difficultio DD Citis	) <u>Z</u>		9/16" as		24.6 lb.
	Cassette		11-30		8spd	NC .	11.17kg
	Chain	Sachs PC-41				gth, 3/32"	
	Front hub						
	Front tire		ST, folding		49/53	952 21	8 8 6
	Rear tire	Shimano Deore L				ide Compact cassette,	8 speed, 135mm O.L.D.
		Bontrager Revolt Presta valve	51, folding		46/50		
	Front Rim		ck		542 F.R	.D., Velox 22mm rim s	trip
	Rear Rim					.D., Velox 22mm rim s	
	Spokes				32 spok	e Radial Front, 32 spol	
	0.111		MANYOL BARY DISTINGTON		253, 26	4/265 (D/ND)	
	Saddle		+10, Cro-M	oly rails	25.0	1	
	Seat binder	ICON 2, 2014 Al Alloy w/integral b	volt			diameter mp diameter	
	Additionals			13")	33.0 Cla	mp diameter	
	Colors						
		Team Yellow/Blac	k • Blue de	cal			
	Frame sizes	13	16.5	18	19.5	21	
Ha	ndlebar width	580	580	580	580	580	
	Stem length	90	105	120	120	135	
	rank length	170	175	175	175	175	
	atpost length	250	350	350	350	350	
	Steerer, mm	168	168	183	203	223	
	Fork Length	415mn	n axle-crowr	ı race			
	Head angle	71.0	71.0	71.0	71.0	71.0	
T	Seat angle	74.0	73.5	73.0	73.0	72.5	
MM	Standover Seat tube	661 330	714 419	742 457	774 495	805 533	
	Head tube	90	90	105	125	145	
	Eff top tube	536	566	584	596	610	
	Reach	617	660	692	704	731	
	Chainstays	424	424	424	424	424	
	BB height	288	291	293	295	297	
	Offset Trail	42	42	42	42	42	
	Wheelbase	71 1015	71 1042	71 1057	71 1070	71 1080	6
	Wilcelbase	1013	1042	1037	1070	1000	
IN	Standover	26.02	28.11	29.21	30.47	31.69	
	Seat tube	12.99	16.50	17.99	19.49	20.98	
	Head tube	3.54	3.54	4.13	4.92	5.71	
	Eff top tube Reach	21.10	22.28	22.99	23.46	24.02 28.79	
	Chainstays	24.29 16.69	26.00 16.69	27.24 16.69	27.71 16.69	16.69	
	BB height	11.34	11.46	11.54	11.61	11.69	
	Offset	1.65	1.65	1.65	1.65	1.65	
	Trail	2.80	2.80	2.80	2.80	2.80	
	Wheelbase	39.96	41.02	41.61	42.13	42.52	

						1 20 00 10
Main tubes	6013 T6 aluminum					22 32 42
Stays	6061 T6 aluminum					<b>11</b> 52 76 100
Fork	RockShox Indy XC			63mm tra		
Headset	Dia-Compe ST Ahead	lset			/30.0, 25.0mm stack	<b>13</b> 44 65 85
Handlebars	1CON 2014, 7° bend			25.4mm c	lamp diameter	13 44 65 85
Stem	System 1 forged alloy	direct co	nnect	41.0mm s	teerer clamp height	<b>17</b> 34 49 65
Bar ends	System 1					
	Trek Dual Density					<b>20</b> 29 42 55
Shifters	Shimano STX-RC Raj	oidFire+				<b>23</b> 25 36 48
	Shimano STX Top Sv			Top pull,	34.9mm/1 3/8"	
	Shimano Deore XT S					<b>26</b> 22 32 42
	Avid Single Digit 10					<b>30</b> 19 28 37
	Avid AD-1.0 L long					
	Shimano STX-RC 4 a		12.2	Splined/1	04/64mm bolt hole circle	
	Shimano BB-UN52	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.339.701	73 x 113		25.75 lb.
	1CON clipless			9/16" axl	e	
Cassette	Shimano HG60-l 11-	30		8spd		11.69kg
	Sachs PC-21	30		106 lengt	h 3/32"	
	Shimano STX-RC			roo icrigi	11, 3/32	
				26 x 2.1		
	IRC Mythos				le Compact cassette, 8 speed, 1	35mm O1 D
	Shimano STX-RC			26 x 2.1	ie Compact Cassette, o specu, i	John O.E.D.
	IRC Mythos			26 X 2.1		
	Presta valve			546 E D I	) )/-l- 10 size strip	
	Matrix Swami				O., Velox 19mm rim strip	
	Matrix Swami RDR				D., Velox 22mm rim strip	22
Spokes	DT 14G stainless				Radial Front, 32 spoke 3x Real	ſ
				256, 263	/264 (D/ND)	
Saddle						
Seatpost	SP-312 alloy micro-a	adjust		27.2mm		
Seat binder	Alloy w/integral bolt			35.0 clan	np diameter	
Additionals			3")			
Colors	TO SEE THE PROPERTY OF THE PRO	ack fork •	Black decal			
	Gloss Black/Black •	Silver deca	al			
Frame sizes	12	16.5	18	19.5	21	
		580	580	580	580	
Handlebar width	1120000000	105	120	120	135	
Stem length			175	175	175	
Crank length		175	350	350	350	
Seatpost length		350		202	222	
Steerer, mm	167	167	182	202	222	
Fork Length	415mm a	xle-crown		F1 0	71.0	
Head angle		71.0	71.0	71.0	71.0	
Seat angle		73.5	73.0	73.0	72.5	
MM Standover		714	742	774	805	
Seat tube		419	457	495	533	
Head tube		90	105	125	145	
Eff top tube		566	584	596	610	
Reach		653	683	695	722	
Chainstays	424	424	424	424	424	
BB height	288	291	293	295	297	
Offset		42	42	42	42	
Trail	71	71	71	71	71	
Wheelbase		1042	1057	1070	1080	
[ ] Ot 1	0.5.00	20.11	20.21	20.47	31.69	
IN Standover		28.11	29.21	30.47		
Seat tube		16.50	17.99	19.49	20.98	
Head tube		3.54	4.13	4.92	5.71	
Eff top tube		22.28	22.99	23.46	24.02	
Reach		25.71	26.91	27.38	28.42	
Chainstays		16.69	16.69	16.69	16.69	
BB height	11.34	11.46	11.54	11.61	11.69	
Offset		1.65	1.65	1.65	1.65	
Trail		2.80	2.80	2.80	2.80	
Wheelbase		41.02	41.61	42.13	42.52	
	- Temperat	~~~ . /#S00#390636	- AST (1902) (1905)			

						20	
		6013 T6 aluminur					24 34 42
	Stays	6061 T6 aluminur					<b>11</b> 57 81 100
	Fork	RockShox Indy C			63mm ti		
		Dia-Compe ST Ah				0/30.0, 25.0mm stack	<b>12</b> 52 74 92
		System 1, 6° bend				clamp diameter	<b>14</b> 45 64 79
		System 1 forged a	lloy direct of	connect	41.0mm	steerer clamp height	<b>16</b> 39 56 69
	Bar ends						Anna Indian
	Grips	Trek Dual Density	n ilm				<b>18</b> 35 50 61
	Shifters	Shimano STX-RC			77 11	24.0 /1.2/0"	<b>21</b> 30 42 52
	ront derailleur	Shimano Alivio To	p Swing		Top pull	, 34.9mm/1 3/8"	<b>24</b> 26 37 46
K		Shimano Deore LX Dia-Compe 737 d					
	Drakes lovers	Dia-Compe 737 d Dia-Compe DP7N	direct pull				<b>28</b> 22 32 39
		Sugino Impel 250			Riveted		
Bo		Shimano BB-LP27			73 x 113		
		Resin/alloy cage w		straps	9/16" ax		26.75 lb.
	Cassette	SR PF35C 11-28	. remps arran	, c. a.p.s	8spd		12.14kg
		Sachs PC-21				rth, 3/32"	
		Shimano STX-RC				, 1,	
		1RC Mythos			26 x 2.1		
	Rear hub	Shimano STX-RC				de Compact cassette, 8	speed, 135mm O.L.D.
		1RC Mythos			26 x 2.1	5	28
	Tubes	Presta valve					
		Matrix Swami				D., Velox 19mm rim st	
		Matrix Swami RDI	3			D., Velox 22mm rim st	
	Spokes	DT 14G stainless				Radial Front, 32 spok	e 3x Rear
					256, 263	3/264 (D/ND)	
	Saddle	Bontrager Comp -	+1O		92741171920	0472 00	
	Seatpost	Alloy micro-adjust	. T.			diameter	
		Alloy w/integral b		1011)	35.0 cla	np diameter	
	Additionals Colors	2 water bottle mo					
	Colors	Ice Earth Green/B					
		Pearl Navy/Black	s sliver deca	11			
	Frame sizes	13	16.5	18	19.5	21	
H	andlebar width	580	580	580	580	580	
	Stem length	90	105	120	120	135	
	Crank length	170	175	175	175	175	
S	eatpost length	300	350	350	350	350	
	Steerer, mm	167	167	182	202	222	
	Fork Length	415	anda aranga	¥0.00			
	Head angle	71.0	axle-crown 71.0	71.0	71.0	71.0	
	Seat angle	74.0	73.5	73.0	73.0	72.5	
1400	Standover	661	714	742	774	805	
MM	Seat tube	330	419	457	495	533	
	Head tube	90	90	105	125	145	
	Eff top tube	536	566	584	596	610	
	Reach	611	653	683	695	722	
	Chainstays	424	424	424	424	424	
	BB height	288	291	293	295	297	
	Offset	42	42	42	42	42	
	Trail	71	71	71	71	71	
	Wheelbase	1015	1042	1057	1070	1080	
TAL	Standover	26.02	20.11	20.21	20 47	31.69	
IN	Seat tube	26.02	28.11	29.21	30.47 19.49	20.98	
Har y	Head tube	12.99	16.50 3.54	17.99 4.13	4.92	5.71	
	Eff top tube	3.54 21.10	22.28	22.99	23.46	24.02	
	Reach	24.04	25.71	26.91	27.38	28.42	
	Chainstays	16.69	16.69	16.69	16.69	16.69	
	BB height	11.34	11.46	11.54	11.61	11.69	
	Offset	1.65	1.65	1.65	1.65	1.65	
	Trail	2.80	2.80	2.80	2.80	2.80	
	Wheelbase	39.96	41.02	41.61	42.13	42.52	
		55.50	11.02		12113	consecto-ened):	

Main tubes	7005 T6 TIG alumin	um					24 34 42
Stays	7005 T6 TIG alumin	um					<b>11</b> 57 81 100
Fork	RockShox Indy S			50mm tra			
Headset	Dia-Compe ST Ahead	dset			30.0, 25.0n		<b>13</b> 48 69 85
Handlebars	System 1, 6° bend al	loy			lamp diame		<b>15</b> 42 59 73
Stem	System 1 forged allo	y direct co	nnect	41.0mm s	teerer clamp	height	<b>18</b> 35 50 61
Bar ends	-						
Grips	Trek Comfort						<b>21</b> 30 42 52
Shifters	Shimano STX RapidI	ire+			no recurso	210600000	<b>24</b> 26 37 46
Front derailleur	Shimano Alivio Top	Swing		Top pull,	34.9mm/1 3	3/8"	<b>28</b> 22 32 39
Rear derailleur	Shimano STX SGS						20 22 32 39
Brakes	Lee Chi TX22 direct	pull					
Brake levers	Lee Chi LV77E direc	t pull					
Crankset	Sugino Impel 250 4:	2/34/24		Riveted			1
<b>Bottom bracket</b>	Shimano BB-LP27			73 x 113		100 X 1000 Maria 114 C	27.2 lb.
Pedals	Platform w/clips and	straps				9/16" axle	12.35kg
Cassette	Shimano HG50C 11-	-28		7spd			
Chain	Sachs PC-21			106 lengt	h, 3/32"		***
Front hub	System 1, suspension	n axle					
Front tire				$26 \times 2.1$			
Rear hub				HyperGlid	le Compact	cassette, 7 speed,	135mm O.L.D.
Rear tire	IRC Mythos			$26 \times 2.1$			
Tubes							
Front Rim		/		548 E.R.D	)., Velox 221	mm rim strip	
Rear Rim						mm rim strip	
Spokes				32 spoke	3x Front, 3	2 spoke 3x Rear	
				268, 266,	267 (D/ND)		
Saddle	Trek Dual density, T	rek logo					
Seatpost		•		27.2mm	diameter		
Seat binder	Alloy w/QR, 60mm			31.9 clan	ip diameter		
Additionals		nts, rack m	ounts (1 bo				
Colors	THE PROPERTY AND ADDRESS OF THE PARTY AND ADDR			CALLED FOR SOUTH IN CONTROL			
	**						
Frame sizes	13	16.5	18	19.5	21	22.5	
Handlebar width		580	580	580	580	580	
Stem length		105	105	120	135	135	
Crank length		170	175	175	175	175	
Seatpost length		300	350	350	350	350	
Steerer, mm		167	182	202	222	262	
Steerer, min	107	107	102				
- 1 100041	415	. 1	The state of				
Fork Length		axle-crown		71.0	71.0	71.0	
Head angle		71.0	71.0	71.0	71.0	71.0	
Seat angle		73.5	73.0	73.0 772	802	839	
MM Standover		712	741 457	495	533	572	
Seat tube		419	105	125	145	185	
Head tube		90	579	589	600	610	
Eff top tube		560	666	688	712	722	
Reach		647	430	430	430	430	
Chainstays		430		298	298	300	
BB height		295	298		38	38	
Offset		38	38 75	38 75	75	75	
Trail		75	75 1055		75 1078	1084	
Wheelbase	1016	1039	1055	1066	1078	1064	
IN Standover		28.03	29.17	30.39	31.57	33.03	
Seat tube		16.50	17.99	19.49	20.98	22.52	
Head tube		3.54	4.13	4.92	5.71	7.28	
Eff top tube		22.05	22.80	23.19	23.62	24.02	
Reach		25.47	26.22	27.11	28.03	28.42	
Chainstays		16.93	16.93	16.93	16.93	16.93	
BB heigh		11.61	11.73	11.73	11.73	11.81	
Offse		1.50	1.50	1.50	1.50	1.50	
Trai		2.97	2.97	2.97	2.97	2.97	
Wheelbase		40.91	41.54	41.97	42.44	42.68	
77110011303	,5.50						

Main tuhes	7005 T6 TIG alumin	211122				ř.		24 34 42
	7005 To TIG alumin							
	Cro-Moly	TOTAL						<b>11</b> 57 81 100
	VP H913W			25.4/34.0	)/30.0, 35.0	mm stack		<b>13</b> 48 69 85
Handlebars	System 1, 10° bend	alloy, 65n	ım rise		clamp diam			<b>15</b> 42 59 73
Stem	Girvin Flexstem			25.4mm	insertion			<b>18</b> 35 50 61
Bar ends								The second second second
	Trek Comfort							<b>21</b> 30 42 52
Shifters				PP 11		2/2"		<b>24</b> 26 37 46
Front derailleur	Shimano Alivio Top	Swing		Top pull,	34.9mm/1	3/8		<b>28</b> 22 32 39
	Shimano STX SGS Shimano Nexave V							22 32 33
	Shimano Nexave v							
	Sugino Impel 250 4	12/24/24		Riveted				
Bottom bracket		12/34/24		73 x 113				
Pedals				9/16" ax				28.8 lb.
Cassette		-28		7spd	5.77			13.08kg
Chain				106 leng	th, 3/32"			
Front hub	System 1, suspension	n axle						
Front tire	C1100 Smoothie			26 x 1.9				
Rear hub				0.1	de Compact	cassette, 7	speed, 135	mm O.L.D.
Rear tire				26 x 1.9				
Tubes	Schraeder valve				_			
	Weinmann 519 allo					ımm rim stri		
	Weinmann 519 allo	У				tmm rim strij		
Spokes	DT 14G stainless					32 spoke 3x	Kear	
Saddle	Trek			268, 266	/267 (D/ND	)		
Seatpost		rher		27.2mm	diameter			
Seat binder		TIDE			np diameter			
Additionals		nts. kickst	and, rack mo					
Colors					<u>-</u>			
Frame sizes Handlebar width Stem length Crank length Seatpost length Steerer, mm	13 580 100 170 350 127	16.5 580 100 175 350	18 580 100 175 350 142	19.5 580 100 175 350 162	21 580 120 175 350 182	22.5 580 120 175 350 222	13L 580 100 170 350	17L 580 100 175 350
Fork Length Head angle	415mm 70.5	axle-crown 71.0	race 71.0	71.0	71.0	71.0	70.5	71.0
Seat angle	74.0	73.5	73.0	73.0	73.0	72,5	74.0	73.5
MM Standover	650	712	741	772	802	839	632	678
Seat tube	330	419	457	495	533	572	330	419
Head tube	90	90	105	125	145	185	105	125
Eff top tube	530	560	579	589	600	610 689	529 594	558 624
Reach Chainstays	595 430	626 430	645 430	668 430	679 430	689 430	430	430
BB height	288	430 295	298	298	298	300	288	295
Offset	38	38	38	38	38	38	38	38
Trail	79	75	75	75	75	75	79	75
Wheelbase	1016	1039	1055	1066	1078	1084	1016	1039
						11100-1010-1011		
IN Standover	25.59	28.03	29.17	30.39	31.57	33.03	24.88	26.69
Seat tube	12.99	16.50	17.99	19.49	20.98	22.52	12.99	16.50
Head tube	3.54	3.54	4.13	4.92	5.71	7.28	4.13	4.92
Eff top tube	20.87	22.05	22.80	23.19	23.62	24.02	20.83	21.97
Reach	23.42	24.63	25.38	26.29	26.72	27.12	23.38	24.55 16.93
Chainstays BB height	16.93	16.93	16.93 11.73	16.93 11.73	16.93 11.73	16.93 11.81	16.93 11.34	11.61
Offset	11.34 1.50	11.61 1.50	1.50	1.50	1.50	1.50	1.50	1.50
Trail	3.09	2.97	2.97	2.97	2.97	2.97	3.09	2.97
Wheelbase	40.00	40.91	41.54	41.97	42.44	42.68	40.00	40.91
Wilcelbase	40.00	10.51	11.27	11.37		.2.00		

Main kulosa	m m	l	NA-lea				20 32 42
Main tubes		buttea Cro	-ivioly				
Stays				70	53		<b>11</b> 48 76 100
Fork	Manitou Spyder	00 <b>1</b> 00000		70mm tra		tl	13 40 65 85
Headset					/30.0, 25.0		
Handlebars			province with the second		clamp diam		<b>15</b> 35 56 73
Stem		oy direct c	onnect	41.0mm s	steerer clam	p neight	<b>17</b> 31 49 65
	System 1						
Grips		4.1725					
Shifters				Tr	21 0	1/4"	<b>23</b> 23 36 48
Front derailleur				rop puii,	31.8mm/1	1/4	<b>26</b> 20 32 42
Rear derailleur		202					
Brakes	1/2 Company (1986) (198		11				<b>30</b> 17 28 37
Brake levers			111	E0/04	belt belo	sivolo	1
	Sugino Impel 300	12/32/20		1.51.37	ı bolt hole o	arcie	
	Shimano BB-UN52	1.	F000000000	73 x 113	_		27.1 lb.
	Alloy/alloy cage w/		traps	9/16" axl	е		12.30kg
	Shimano HG60-1 1	1-30		8spd	h 2/22"		3
Chain	10/10/10/10/10 N 10/0 10/0/			106 leng	tn, 3/32		
Front hub		on axie		26 2 1			
	IRC Mythos			26 x 2.1	I- C	tte 0 speed	135mm 01 D
	Shimano STX-RC				ie Compact	cassette, 8 speed,	135mm O.L.D.
	IRC Mythos			$26 \times 2.1$			
	Presta valve	71		FACEDI	) Cleth.'	a ctrin	1
	Matrix Guru, eyelet				D., Cloth rin		
Rear Rim		eyeletted			D., Cloth rin		
Spokes	DT 14G stainless					32 spoke 3x Rear	
Castalla	11.1.0.1.11			268, 263	/264 (D/ND	1	
Saddle		men's on 1	3	27.2			
	Alloy micro-adjust			27.2mm	diameter		1
Seat binder			. ( 1 1		1 22		
Additionals				ottle, no rac	k on 13)		
Colors	Ice RC Blue/Silver	Black dec	:al				
	1						
							1
			1.0	10.5	21	22.5	
Frame sizes		16.5	18	19.5	21	22.5	1
Handlebar width		580	580	580	580	580	
Stem length		105	105	120	120	135	
Crank length		170	175	175	175	175 350	
Seatpost length		300	350	350 182	350 222	257	
Steerer, mm	167	167	167	102	222	237	
Fork Length	41Emm	axle-crown	race				
Head angle		71.0	71.0	71.0	71.0	71.0	
Seat angle		73.5	73.0	73.0	73.0	72.5	
		709	735	764	801	838	
MM Standover Seat tube		419	457	495	533	572	
Head tube		90	90	105	145	185	
Eff top tube		560	580	590	600	610	
Reach		652	672	695	705	728	
Chainstays		430	430	430	430	430	
BB height		295	298	298	298	300	
Offset		38	38	38	38	38	
Trai		75	75	75	75	75	
Wheelbase		1039	1056	1066	1078	1084	
Wilceinuse	1010	1033	1030	1000	Men ex	0.550	67
IN Standover	25.47	27.91	28.94	30.08	31.54	32.99	
Seat tube		16.50	17.99	19.49	20.98	22.52	
Head tube		3.54	3.54	4.13	5.71	7.28	I
Eff top tube		22.05	22.83	23.23	23.62	24.02	
Reach		25.66	26.45	27.36	27.75	28.66	I
Chainstays		16.93	16.93	16.93	16.93	16.93	I
BB height		11.61	11.73	11.73	11.73	11.81	I
Offset		1.50	1.50	1.50	1.50	1.50	I
Trai		2.97	2.97	2.97	2.97	2.97	4
Wheelbase		40.91	41.57	41.97	42.44	42.68	I
	10.00	, 5, 5,					

								<u> </u>				
IV.	/lain tubes			outted Cro	-Moly					24	34	42
	Stays						ng		11	57	81	100
	Fork			valueração		50mm tra			12			
	Headset landlebars						/30.0, 25.0				74	
	Stem				nnact		clamp diam steerer clam		14	45	64	79
	Bar ends	System i ii	orgeu and	y uncer e	micet	41.011111	Steerer clair	ip neight	16	39	56	69
	Grips	Trek Dual I	Density						18	35	50	61
	Shifters								21			
Fron	t derailleur			Swing		Top pull,	31.8mm/1	1/4"	2000		42	
Real	r derailleur								24	26	37	46
	Brakes	1900 N 19							28	22	32	39
Br	ake levers									1000		
D-M-	Crankset			2/34/24		Riveted						r.
Botto	m bracket	Shimano B Alloy/alloy		line and et	von e	73 x 113 9/16" axl				7.7 lb.		
	Cassette			nps and st	raps	8spd	C		12	2.58kg	J	
	Chain					106 leng	h 3/32"					,
	Front hub			n axle		roo ieng	.11, 5/52					
	Front tire					26 x 2.1						
	Rear hub			te		HyperGlid	le Compact	cassette, 8 speed, 13	5mm 0.	L.D.		
	Rear tire	IRC Mythos	S			26 x 2.1	*	e 11 R				
	Tubes	Presta valve	c									
		Matrix Gur					)., Cloth rin					
	Rear Rim	Tracting service					)., Cloth rin					
	Spokes	14G stainle	ess					32 spoke 3x Rear				
	Saddle	Velo Crossl	ow Mon	aon's on 1	2	268, 263	/264 (D/ND	)				
	Seatpost			iens on i	)	27.2mm	diameter					
S	eat binder			1		27.2000	ulameter					
	dditionals				ounts ( 1 bo	ottle, no rac	k on 13")					
	Colors					,						
		Black/Black	< ● Red d	ecal								
	rame sizes		13	16.5	18	19.5	21	22.5				
	llebar width	1	580	580	580	580	580	580				
	tem length	1	90	105	105	120	120	135				
	ank length	1	170	170	175	175	175	175				
	post length		300	300	350	350	350	350				
St	eerer, mm		167	167	167	182	222	257				
E	ork Length		41 France o	. J								
	lead angle		70.5	xle-crown 71.0	71.0	71.0	71.0	71.0				
	Seat angle		74.0	73.5	73.0	73.0	73.0	72.5				
	Standover		647	709	735	764	801	838				
101101	Seat tube	1	330	419	457	495	533	572				
	Head tube	1	90	90	90	105	145	185				
Ef	ff top tube		530	560	580	590	600	610				
	Reach		604	647	667	689	699	722				
	Chainstays		430	430	430	430	430	430				
	BB height		288	295	298	298	298	300				
	Offset Trail	1	38	38	38 75	38 75	38	38 75				
,	Wheelbase	1	79 1016	75 1039	1056	1066	75 1078	1084				
Mars I	Wilceibase		1010	1033	1030	1000	1076	1004				
IN	Standover		25.47	27.91	28.94	30.08	31.54	32.99				
	Seat tube		12.99	16.50	17.99	19.49	20.98	22.52				
	Head tube		3.54	3.54	3.54	4.13	5.71	7.28				
E	ff top tube		20.87	22.05	22.83	23.23	23.62	24.02				
	Reach		23.79	25.47	26.26	27.15	27.54	28.42				
	Chainstays		16.93	16.93	16.93	16.93	16.93	16.93				
	BB height		11.34	11.61	11.73	11.73	11.73	11.81				
	Offset Trail		1.50	1.50	1.50	1.50	1.50	1.50				
	Wheelbase		3.09 40.00	2.97 40.91	2.97 41.57	2.97 41.97	2.97 42.44	2.97 42.68				
The state of the s	Miceinase		40.00	40.91	41.57	41.97	42.44	42.00				

Seat tube         330         419         457         495         533         572         609           Head tube         90         90         90         105         145         185         225           Eff top tube         530         560         580         590         600         610         620           Reach         595         637         657         678         688         709         719           Chainstays         430         430         430         430         430         430         430         430         430         430         430         430         430         430         430         300			1.0	n 4 1					100 X 1	2/	2/1	12
Fork   Headset   WP H97W, september   25.4/34.0/30.0, 35.0mm stack   12 57. 74 92	Main tubes	True Temper triple b	utted Cro-	-Moly								
Headset   VP H97W, scaled   23.4/3.6/30.0, 35.0mm stack   12			ae							57	81	100
Septem   1, or bend alloy   25,4mm clamp diameter   16			gc		25.4/34.0	/30.0, 35.0r	nm stack		12	52	74	92
Stem   Simma			llov						14	45	64	79
Front times   Springs					25.4mm i	nsertion			000000000			
Shifters   Carport decailer   Ca		-							141950			
Front Rar   Image: Class   Image:										35	50	61
Rear Age   Pare   Par					m 11	01.0 /1	1 / 4 ??		21	30	42	52
### Brake levers   Caraffeet   Flat   Caraffeet   Cara			· C		rop puii,	31.8mm/1	1/4		24	26	37	46
Caracte   Caracte   Caracte   Caracte   Caracte   Caracte   Caracte   Cassette   Casse									5-314-1173	22	22	20
Cranked   Settom bracket   Settom brac									2.0	22	24	33
Recompanies   Repeat   Response   Recompanies   Recompan					Riveted							
Pedals   Cassets   SR PF185   1-28   8pd   12.67kg   1					73 x 113					7011		1
Cassette   Chain   Front hub   Front the   Front hub			raps		9/16" axl	e						
Front hub   Front tire   RRC Mythos   26 x 2.1						sv v si			- 1	Z.07K	y	
Front tire   Rear tire   Rear tire   Tubes   Presta valve   Pres			202		106 lengt	h, 3/32"			-			1
Rear hub   Rear ting   Rear			n axle									
Rear tire   Tubes   Pront Rim   Rear Rim   Matrix Guru RDR   Saddle   Seatpost   Seat binds   Seatpost   Sea						l C		mood 120	- mm (	VI D		
Presta valve   Presta valve   Matrix Guru   S46 E.R.D., Cloth rim strip   Matrix Guru RDR   S42 E.R.D., Cloth rim strip   S42 E.R.D., Cloth rim strip   S46 E.R.D., Cloth rim strip   S46 E.R.D., Cloth rim strip   S47 E.R.D., Cloth rim strip   S48 E.R.D., Cloth rim strip   S			te			ie Compact	cassette, o s	speeu, 13:	Jillill C	7.L.D.		
Matrix Guru   S46 ER.D., Cloth rim strip   Spokes   Sadule   Seatpost   Seat binder   Additionals   Colors   Seat binder   Sadule   Seatpost   Seat binder   Seatpost   Seatp					20 X Z.1							
Rear Rim   Spokes   Hot Silver   Seathors   Seath sinder   Additionals   Colors					546 F R I	) Cloth rin	ı strip					
Spoke   14G stainless   32 spoke 3x Front, 32 spoke 3x Rear   268, 263/264 (D/ND)		GUZULU SEGUIO SUCCESSORIO DE CARROLISTO DE C			542 E.R.I	) Cloth rin	ı strip					
Saddle   Seatpost   Seat binder   Additionals   Colors								Rear				
Seat pinder   Additionals   Colors		Tre Stanness										
Seat binder Additionals   Colors	Saddle	Velo Crossbow, Won	nen's on 1	3								
Additionals Colors					27.2mm	diameter						
Prame sizes		Quick release, 47mm	n		10002	- 111						
Frame sizes				iounts ( 1 bc	ottle, no rac	k on 13")						
Frame sizes	Colors											
Handlebar width   580		Bright Silver • Man	go decai									
Handlebar width   580	Evamo sizos	12	16 E	1.0	10.5	21	22.5	24				
Stem length Crank length         90         105         105         120         120         135         135           Crank length Seatpost length Steerer, mm         300         300         350         350         350         350         350           Fork Length Head angle Seat angle         415mm axle-crown race           Fork Length Head angle Seat angle         415mm axle-crown race         71.0		50.5000										
Crank length Seatpost length Steerer, mm         170         170         175         175         175         175         175         175         175         175         175         175         175         175         175         175         350         360         350         360         360         360         350         575         580								135				
Steerer, mm		170	170	175	175	175	175					
Fork Length Head angle Seat angle 70.5 71.0 71.0 71.0 71.0 71.0 71.0 72.5 72.5  MM Standover Seat tube Head tube Eff top tube Reach Offset Trail Trail Standover Seat tube Holos  Seat tube Holos  Seat tube  10.6 10.39 10.56 16.93 16.90 17.0 73.0 71.0 71.0 71.0 71.0 71.0 71.0 71.0 71		300	300		350							
Head angle   70.5   71.0   7	Steerer, mm	128	128	128	143	183	223	263				
Head angle   70.5   71.0   7												
Seat angle		415mm a	axle-crown	race				STONE WAS				
MM         Standover Seat tube         647         709         735         764         801         838         875           Seat tube         330         419         457         495         533         572         609           Head tube         90         90         90         105         145         185         225           Eff top tube         530         560         580         590         600         610         620           Reach         595         637         657         678         688         709         719           Chainstays         430 </th <th></th>												
Seat tube												
Head tube   90   90   90   105   145   185   225												
Eff top tube   530   560   580   590   600   610   620												
Reach   595   637   657   678   688   709   719												
Chainstays BB height Offset Trail         430 288 295 38 38 38 38 38 38 38 38 38 38 38 38 38												
BB height Offset 38 38 38 38 38 38 38 38 38 38 38 38 38												
Offset Trail         38												
Trail Wheelbase 1016 1039 1056 1066 1078 1084 1095  IN Standover Seat tube 12.99 16.50 17.99 19.49 20.98 22.52 23.98   Head tube 20.87 22.05 22.83 23.23 23.62 24.02 24.41   Reach Reach 23.44 25.07 25.86 26.68 27.08 27.90 28.30   Chainstays 16.93				38		38						
IN         Standover Seat tube         25.47         27.91         28.94         30.08         31.54         32.99         34.45           Head tube         12.99         16.50         17.99         19.49         20.98         22.52         23.98           Head tube         3.54         3.54         3.54         4.13         5.71         7.28         8.86           Eff top tube         20.87         22.05         22.83         23.23         23.62         24.02         24.41           Reach         23.44         25.07         25.86         26.68         27.08         27.90         28.30           Chainstays         16.93         16.93         16.93         16.93         16.93         16.93         16.93           BB height         11.34         11.61         11.73         11.73         11.73         11.81         11.81           Offset         1.50         1.50         1.50         1.50         1.50         1.50         1.50           Trail         3.09         2.97         2.97         2.97         2.97         2.97         2.97		79										
Seat tube         12.99         16.50         17.99         19.49         20.98         22.52         23.98           Head tube         3.54         3.54         3.54         4.13         5.71         7.28         8.86           Eff top tube         20.87         22.05         22.83         23.23         23.62         24.02         24.41           Reach         23.44         25.07         25.86         26.68         27.08         27.90         28.30           Chainstays         16.93         16.93         16.93         16.93         16.93         16.93         16.93           BB height         11.34         11.61         11.73         11.73         11.73         11.81         11.81           Offset         1.50         1.50         1.50         1.50         1.50         1.50         1.50           Trail         3.09         2.97         2.97         2.97         2.97         2.97         2.97         2.97	Wheelbase	1016	1039	1056	1066	1078	1084	1095				
Seat tube         12.99         16.50         17.99         19.49         20.98         22.52         23.98           Head tube         3.54         3.54         3.54         4.13         5.71         7.28         8.86           Eff top tube         20.87         22.05         22.83         23.23         23.62         24.02         24.41           Reach         23.44         25.07         25.86         26.68         27.08         27.90         28.30           Chainstays         16.93         16.93         16.93         16.93         16.93         16.93           BB height         11.34         11.61         11.73         11.73         11.73         11.81         11.81           Offset         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         2.97												
Eff top tube       20.87       22.05       22.83       23.23       23.62       24.02       24.41         Reach       23.44       25.07       25.86       26.68       27.08       27.90       28.30         Chainstays       16.93       16.93       16.93       16.93       16.93       16.93         BB height       11.34       11.61       11.73       11.73       11.73       11.81       11.81         Offset       1.50       1.50       1.50       1.50       1.50       1.50       1.50         Trail       3.09       2.97       2.97       2.97       2.97       2.97       2.97	Seat tube											
Reach Chainstays         23.44         25.07         25.86         26.68         27.08         27.90         28.30           Chainstays BB height Offset Trail         11.34         11.61         11.73         16.93         16.93         16.93         16.93           11.34         11.61         11.73         11.73         11.81         11.81         11.81           Offset Trail         3.09         2.97         2.97         2.97         2.97         2.97         2.97         2.97												
Chainstays         16.93         16.93         16.93         16.93         16.93         16.93           BB height Offset Trail         11.34         11.61         11.73         11.73         11.73         11.81         11.81           Trail         3.09         2.97         2.97         2.97         2.97         2.97         2.97												
BB height Offset Trail         11.34         11.61         11.73         11.73         11.73         11.81         11.81           Trail         3.09         2.97         2.97         2.97         2.97         2.97         2.97												
Offset Trail         1.50												
Trail 3.09 2.97 2.97 2.97 2.97 2.97												
10.00 10.21 11.27 11.27	Wheelbase		40.91	41.57	41.97	42.44	42.68	43.11				

		-									
	Main tubes	Cro-Moly	/ steel							24	34 42
	Stays	High ten									81 100
	Fork		/			7/2		950			
	Headset	VP H97V	V, sealed				0/30.0, 35.0				69 85
	Handlebars						clamp diam		<b>15</b> 42	59 73	
	Stem Bar ends	Girvin su	spension s	tem		25.4mm	insertion	<b>18</b> 35	50 61		
	Grips	Trek Con	afort					250000	42 52		
	Shifters		MRX-170							1000	
Fr	ont derailleur		Altus CT9	2E		Down pu	ıll, Plate sty	le, 31.8		The State of the S	37 46
R	ear derailleur					S-200 (100 Mark)	U			<b>28</b> 22	32 39
			ΓX22 direct								
	Brake levers										20
	Crankset				- w/chaingua						
Bo.	ttom bracket		BB-CT91E			68 x 118				29.3 lb.	
	Pedals Cassette		HG50C 11	20		9/16" ax	le			13.30kg	
	Chain			-28		7spd	th, 3/32"				
	Front hub		-10 lloy suspen	sion		roo iciig	111, 3/34				
	Front tire		noy suspen	131011		26 x 1.9					
	Rear hub		Altus				de Compact	cassette, 7	speed, 135	mm O.L.D.	
	Rear tire	Smooth				26 x 1.9			X		
	Tubes	Schraede	r valve								
	Front Rim	Weinman	ın 519 allo	y			D., Rubber i				
	Rear Rim			У			D., Rubber i		-		
	Spokes	14G stair	nless					36 spoke 3x	Rear		
	Saddle	Casina				265, 263	1/264 (D/ND	))			
			ock absorbe	YP.		27 2mm	diameter				
	Seat binder		ease, 47mi			27.211111	diameter				
	Additionals				ınd, rack mo	unts (1 hot	tle no rack	on 13")			
	Colors		ı • Silver d		ma, rack mo	unts (1 bot	cie, no raen	011 13 /			
		1 ANDOROG - COMP. 2013-41.30									
	Frame sizes	13	16.5	18	19.5	21	22.5	24	13W	17W	20W
Ha	ndlebar width	580	580	580	610	610	610	610	580	580	610
110	Stem length	100	100	100	100	100	120	120	100	100	100
(	Crank length	170	170	170	170	170	170	170	170	170	170
	eatpost length	300	300	350	350	350	350	350	350	350	350
	Steerer, mm	127	127	127	142	182	222	262	127	142	182
	Fork Length	205									
	Head angle	70.0	axle-crown 70.5	70.5	70.5	71.0	71.0	71.0	70.0	70.5	70.5
	Seat angle	74.0	70.5 73.5	70.5	73.0	72.5	71.0	72.0	74.0	73.5	73.0
мм	Standover	638	698	722	752	789	826	862	580	584	593
ALIVI	Seat tube	330	419	457	495	533	572	610	330	432	508
	Head tube	90	90	90	105	145	185	225	90	103	143
	Eff top tube	528	545	555	565	575	585	595	528	542	550
	Reach	592	610	620	630	641	664	674	592	607	615
	Chainstays	435	435	435	435	435	435	435	435	435	435
	BB height	288	291	291	293	293	295	295	288	283	283
	Offset		38	38	38	38	38	38	38	38	38
	Trail	82	79	79	79	75	75 105 <i>6</i>	75	82 1023	79 1025	79 1030
	Wheelbase	1021	1030	1036	1047	1050	1056	1067	1023	1023	טכטו
IN	Standover	25.12	27.48	28.43	29.61	31.06	32.52	33.94	20.79	22.99	23.35
	Seat tube	12.99	16.50	17.99	19.49	20.98	22.52	24.02	12.99	17.01	20.00
	Head tube	3.54	3.54	3.54	4.13	5.71	7.28	8.86	3.54	4.06	5.63
	Eff top tube	20.79	21.46	21.85	22.24	22.64	23.03	23.43	20.79	21.34	21.65
	Reach	23.32	24.01	24.41	24.80	25.22	26.13	26.52	23.32	23.90	24.21
	Chainstays	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13
	BB height	11.34	11.46	11.46	11.54	11.54	11.61	11.61	11.34	11.14	11.14
	Offset Trail	1.50 3.22	1.50 3.09	1.50 3.09	1.50 3.09	1.50 2.97	1.50 2.97	1.50 2.97	1.50 3.22	1.50 3.09	1.50 3.09
	Wheelbase	40.20	40.55	40.79	41.22	41.34	41.57	42.01	40.28	40.35	40.55
	Wilceinase	40.20	40.33	TO./ J	71.22	711127	11137	12,01	10.20	10,33	10.33

Main tubes								24 34 42
	High tensile steel							<b>11</b> 57 81 100
	RockShox Indy S			50mm tra				100000000000000000000000000000000000000
	VP H97W, sealed				/30.0, 35.01			<b>13</b> 48 69 85
	System 1, 6° bend a	lloy			clamp diame	eter		<b>15</b> 42 59 73
Stem	ATB			25.4mm i	nsertion			<b>18</b> 35 50 61
Bar ends	<u>=</u>							
	Trek Comfort							<b>21</b> 30 42 52
Shifters	- I Periode Indiana Indiana				NA 7200 100 10 12			<b>24</b> 26 37 46
Front derailleur	Shimano Altus CT92	2		Down pu	ll, Plate styl	e, 31.8		28 22 32 39
Rear derailleur	Shimano Alivio							20 22 32 39
	Lee Chi TX22 direct							
	Lee Chi LV77E direc			18750 17 3				
	Shimano Altus CT92			Riveted				
	Shimano BB-CT91E			68 x 116				27.8 lb.
Pedals				9/16" axl	e			12.62kg
	Shimano HG50C 11	-28		7spd	NI PERMIT			5
	Sachs PC-10			106 lengt	th, 3/32"			
Front hub	Forged alloy suspen	sion						
	Trek Kahuna			26 x 1.95			_	2.19
Rear hub	Shimano Altus			1	paris seroestovia semioro:	cassette, 7	speed, 135	mm O.L.D.
	Trek Kahuna			26 x 1.95	,			
Tubes								
Front Rim	Weinmann 519 allo	y			)., Rubber r			
Rear Rim	Weinmann 519 allo	y			D., Rubber r			
Spokes	14G stainless					6 spoke 3x	Rear	
	TO SEE SHOW WITH SHAPE STORES			264, 262	/263 (D/ND	)		1
Saddle	Dual Density, Wome	en's on 13						
Seatpost	Alloy micro-adjust			27.2mm	diameter			
Seat binder		n						1
Additionals	2 water bottle mou	nts, rack n	ounts (1 bot	ttle, no rack	on 13")			1
Colors	Ice Red/Ice Orange	fade • Bla	ck decal					
Frame sizes Handlebar width Stem length Crank length Seatpost length	13 580 90 170 300	16.5 580 105 170 300	18 580 105 170 350	19.5 580 120 170 350	21 580 120 170 350	22.5 580 135 170 350	24 580 135 170 350	
Steerer, mm	127	127	127	142	182	222	262	
Fork Length	205	avla arcum	race					
Head angle		axle-crown	70.5	70.5	71.0	71.0	71.0	
Seat angle	70.0 74.0	70.5 73.5	73.0	73.0	72.5	72.0	72.0	
	638	698	722	752	789	826	862	
MM Standover Seat tube	330	419	457	495	533	572	610	
Head tube	90	90	90	105	145	185	225	
Eff top tube	528	545	555	565	575	585	595	
Reach	559	582	592	607	618	633	643	
Chainstays	435	435	435	435	435	435	435	
BB height	288	291	291	293	293	295	295	
Offset	38	38	38	38	38	38	38	
Trail	82	79	79	79	75	75	75	
Wheelbase	1021	1030	1036	1047	1050	1056	1067	
Wilceibase	1021	1050	1050	1017	1030	1050		
IN Standover	25.12	27.48	28.43	29.61	31.06	32.52	33.94	
Seat tube	12.99	16.50	17.99	19.49	20.98	22.52	24.02	
Head tube	3.54	3.54	3.54	4.13	5.71	7.28	8.86	
Eff top tube	20.79	21.46	21.85	22.24	22.64	23.03	23.43	
Reach		22.90	23.30	23.90	24.33	24.94	25.33	
Chainstays		17.13	17.13	17.13	17.13	17.13	17.13	
BB height		11.46	11.46	11.54	11.54	11.61	11.61	
Offset		1.50	1.50	1.50	1.50	1.50	1.50	
Trail	3.22	3.09	3.09	3.09	2.97	2.97	2.97	
Wheelbase	40.20	40.55	40.79	41.22	41.34	41.57	42.01	

0	U	R	P	RI	C	E	\$	
							-	

	34 42
Stays High tensile steel	81 100
FORK Cro-Moly	
	69 85
Handlebars System 1, 6° bend alloy 25.4mm clamp diameter 15 42	59 73
Stem Bar ends - 25.4mm insertion 18 35	50 61
Dai Citas -	42 52
Chiffens C : Cl : 0 MDV 170	A20-1 -A15-A
Front derailleur Shimano Altus CT92 Down pull, Plate style, 31.8	37 46
	32 39
Brakes   Lee Chi TX22 direct pull	
Brake levers   Lee Chi LV77E direct pull	
Crankset   Shimano Altus CT92 42/34/24 Riveted	
Bottom bracket   Shimano BB-CT91E   68 x 116   27.8 lb.	
JIO date	e.
Similatio (1850c 1) 20 75pa	6
Chain   Sachs PC-10   106 length, 3/32"   L	
Front hub Forged alloy suspension Trek Connection 26 x 1.95	
Rear hub Shimano Altus HyperGlide Compact cassette, 7 speed, 135mm O.L.D.	
Rear tire Trek Connection 26 x 1.95	
Tubes Schraeder valve	1
Front Rim   Weinmann 519 alloy 548 E.R.D., Rubber rim strip	1
Rear Rim   Weinmann 519 alloy 548 E.R.D., Rubber rim strip	
Spokes   14G stainless   36 spoke 3x Front, 36 spoke 3x Rear	1
264, 262/263 (D/ND)	
Saddle Dual Density, Women's on 13, 17W, 20W	
Seatpost Alloy micro-adjust 27.2mm diameter	1
Seat binder Quick release, 47mm	
Additionals 2 water bottle mounts, rack mounts (1 bottle on 13, 17W, 20W, no rack on 13")  Colors   12 water bottle mounts, rack mounts (1 bottle on 13, 17W, 20W, no rack on 13")	
te keu/ice ofange rade • black decai	
Frame sizes 13 16.5 18 19.5 21 22.5 24 17W	20W
Handlebar width 580 580 580 580 580 580 580 580	610
Stem length         90         90         110         110         130         130         130         110	110
Crank length         170         170         170         170         170         170         170         170	170
Seatpost length         300         300         350         350         350         350	350
Steerer, mm         127         127         127         142         182         222         262         142	182
Fork Length 385mm axle-crown race	
Head angle 70.0 70.5 70.5 70.5 71.0 71.0 70.5	70.5
Seat angle         74.0         73.5         73.0         73.0         72.5         72.0         72.0         73.5	73.0
MM Standover 638 698 722 752 789 826 862 584	593
<b>Seat tube</b> 330 419 457 495 533 572 610 432	508
<b>Head tube</b> 90 90 90 105 145 185 225 103	143
<b>Eff top tube</b> 528 545 555 565 575 585 595 542	550
<b>Reach</b> 559 577 594 604 622 632 642 581	589
Chainstays         435	435
BB height         288         291         291         293         293         295         295         283           Offset         38 <th>283 38</th>	283 38
Trail 82 79 79 79 75 75 75 79	79
Wheelbase 1021 1030 1036 1047 1050 1056 1067 1025	1030
1021 1030 1017 1030 1007 1023	1030
IN Standover 25.12 27.48 28.43 29.61 31.06 32.52 33.94 22.99	23.35
Seat tube 12.99 16.50 17.99 19.49 20.98 22.52 24.02 17.01	20.00
Head tube 3.54 3.54 3.54 4.13 5.71 7.28 8.86 4.06	5.63
<b>Eff top tube</b> 20.79 21.46 21.85 22.24 22.64 23.03 23.43 21.34	21.65
<b>Reach</b> 22.00 22.70 23.37 23.76 24.47 24.87 25.26 22.86	22 17
	23.17
Chainstays         17.13         17.13         17.13         17.13         17.13         17.13         17.13	17.13
Chainstays         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         11.14	17.13 11.14
Chainstays         17.13	17.13 11.14 1.50
Chainstays         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         17.13         11.14	17.13 11.14

Main tubes   Stay   High terale sized   High										
Stays			A 4 1	organizació trass					2/1 2	1 12
Fort   High tensile steel   YP   Hory Ng seeled   YP   Hory Ng s			o-Moly se	at tube					24 3	4 42
Headest   VP   FD7N, scaled   23-4/34-0/30.0, 35.0mm stack   15   48   69   85   85   85   85   85   85   85   8									<b>11</b> 57 8	1 100
Handichars   Sare   S						1000 000	and the second second		13 10 6	0 05
Stem   Bar end   Series   Se										
Bar ends   Grips   Shifters   S		Steel, 5° bend, Wom	en's 60mr	n rise			eter		<b>15</b> 42 5	9 73
Spring		ATB			25.4mm i	nsertion			18 35 5	0 61
Shifters   Front decided   Front Bracks   Front decided   Fr		The same of the sa								
Front terailler   Rear Perfect   P									<b>21</b> 30 4	2 52
Rear derailleur   Brake   Evers   Cranket   Brake   Evers   Cranket   Brake   Evers   Cranket   Brake   Evers   Cranket   Evers   Cranket   Evers	517/00/00/00/00/00/00/00/00/00/00/00/00/00								24 26 3	7 46
### Brake levers   Crankst   Stamman   Macy   Standard   Standard	Front derailleur	Shimano Altus CT92			Down pu	ll, Plate styl	e, 31.8		20 22 2	2.20
Consider   Cassette   Chains   Cassette   Chains   Cassette   Chains   Cassette   Chains   Cassette   Chains   Front hub   Front time   Rear hub   Front time   Front time   Front time   Front time   Front time   Front time   Tubes   Chains   Ch	Rear derailleur								20 22 3	2 39
Cranked   Bottom brack   Shimano Altus Cf192 42/34/24   Riverted   Shimano BBB-C7191E   66 8 x 118   9/16" axle   118   12.76kg   12.76kg   15.10kg   15.1	Brakes	Lee Chi TX33 direct	pull					,		
Petals   Resinant BB-CF19	Brake levers	combi brake/shift								1
Pedals   Casset   Shimano   HGSOC 11-28   75pd	Crankset	Shimano Altus CT92	42/34/24		Riveted					
Pedals   Cassets   Shimano HG50C 11-28   75pd   7	<b>Bottom bracket</b>	Shimano BB-CT91E			68 x 118				28.1 lb.	
Cassette   Chains   Sachs PC-10   106 length, 3/32"   Front hite   Rear hub   Front tire   Rear hub   Rear tire   Tubes   Trek Connection   26 x 1.95	Pedals	Resin			9/16" axl	e				
Front hub   Front tire   Front Rear hub   Rear tire   Front Rim   Front Rim   Front Rim   Front Rim   Front Rim   Rear Rim   Spokes   Front Rim   Rear Rim   Weinmann 519 alloy   548 E.R.D., Rubber rim strip   S46 E.	Cassette	Shimano HG50C 11-	-28						12.7 ong	
Front tire   Rear hub   Shamo Allus   Sham	Chain				106 lengt	h, 3/32"				_
Front tire   Rear hub   Shamo Allus   Sham	Front hub	Forged alloy suspens	sion							
Rear hub   Rear tire   Technology   Techno					26 x 1.95	i				
Teck Connection   26 x 1.95   Schraeder valve   Schraeder valve   Schraeder valve   Verimann 519 alloy   548 E.R.D., Rubber rim strip   Verimann 519 alloy   718 E.R.D., Rubber rim strip					HyperGlio	le Compact	cassette, 7	speed, 135	mm O.L.D.	
Schraeder valve   Seathors   Seathors   Seathors   Seathors   Seathors   Seathor   Additionals   Seathors   S		man visitify via data control or constitution						<b>N</b> 8 10		
Neimann 519 alloy					CONTRACTOR OF THE STATE OF	1951				
New   Saddle   Seathors   Seath   Se			ì		548 F R I	) Rubber r	im strip			
Spoke   Saddle   Seatpost   Saddle   Seatpost   Seat bring   Seatpost   S					548 F R I	) Rubber r	im strip			
Saddle Seatpost Seat binder Additionals Seatpost Seat Brinder Guick release, 47mm Additionals Seater bottle mounts (1 bottle on 13, 17W, 20W), rack mounts (no rack on 13")  Frame sizes Handlehar width 580 580 580 580 580 580 580 610 58m length 170 170 170 170 170 170 170 170 170 170					36 snoke	3x Front 3	6 spoke 3x	Rear		
Dual Density, Women's Dual Density w/springs on 17W, 20W   Alloy micro-adjust   27.2mm diameter   2 water bottle mounts (1 bottle on 13, 17W, 20W), rack mounts (no rack on 13")	Showes	140 Stainiess						i,cui		
Seat post   Alloy micro-adjust   Quick release, 47mm   Quick release, 47mm   Quick release, 47mm   Quick release, 47mm   Additionals   Colors   Mediterranean Blue/Ice Inkwell Fade * White decal Bright Silver * Red decal	Caddla	Duel Density Momo	n'e Dual F	Dencity wlenr			,			
Seat binder Additionals   Colors			n's Duai L	ocusity wishi	27.2mm	diameter				
Additionals Colors			277		27.211111	diameter				
Frame sizes   13   16.5   18   19.5   21   22.5   17W   20W	Seat binder	Quick release, 47mm	] . t. (1 1-14	la au 10 17	M 20M) vo	ok mounte	(no rack on	12")		
Frame sizes Handlebar width		2 water bottle moul	11S (1 DOLL	10 011 13, 17	ita dagal	CK IIIOUIIES	(HO TACK OH	15 )		
Frame sizes	Colors			ii iade • vviii	ite decai					
Handlebar width   580   580   580   580   580   580   580   580   580   580   610   Stem length   90   90   110   110   130   130   110   110   170		Bright Silver • Ked	aecai							
Handlebar width   580   580   580   580   580   580   580   580   580   580   610   Stem length   90   90   110   110   130   130   110   110   170										
Handlehar width   580   580   580   580   580   580   580   580   580   580   610				0.00		0.1	22.5	1.77) (1.77)	2014/	
Stem length   90   90   110   110   130   130   110   110   110   110   170		1232								
Crank length Seatpost length Seatpost length Steerer, mm         170         350         362         482         482		20-9014/1994								
Seatpost length   300   300   350		36.8								
Steerer, min   130   130   145   185   225   144   184		1.50.01960								
Fork Length   385mm   xx e-crown   race										
Head angle   70.0   70.5   70.5   70.5   71.0   71.0   70.5   70.5   70.5   73.0     Standover   638   698   722   752   789   826   584   593     Seat tube   90   90   90   105   145   185   103   143     Head tube   528   545   555   565   575   585   542   550     Reach   618   622   632   581   589     Chainstays   435   435   435   435   435   435   435   435   435   435     BB height   288   291   291   293   293   295   283   283     Offset   38   38   38   38   38   38   38   3	Steerer, mm	130	130	130	145	185	225	144	184	
Head angle   70.0   70.5   70.5   70.5   71.0   71.0   70.5   70.5   70.5   73.0   73.0   73.0   72.5   72.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.0   73.5   73.0   7										
Head angle   70.0   70.5   70.5   70.5   71.0   71.0   70.5   70.5   70.5   73.0   73.0   73.0   72.5   72.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.5   73.0   73.0   73.0   73.5   73.0   7										
Seat angle         74.0         73.5         73.0         73.0         72.5         72.0         73.5         73.0           MM         Standover Seat tube         638         698         722         752         789         826         584         593           Head tube         90         90         90         105         145         185         103         143           Eff top tube         528         545         555         565         575         585         542         550           Reach         559         577         594         604         622         632         581         589           Chainstays         435			ixle-crown							
MM         Standover Seat tube         638         698         722         752         789         826         584         593           Head tube Eff top tube Reach         90         90         90         105         145         185         103         143           Eff top tube Reach         528         545         555         565         575         585         542         550           Chainstays BB height         288         291         291         293         293         295         283         283           BB height Trail         82         79         79         79         75         75         79         79           Wheelbase         1021         1030         1036         1047         1050         1056         1025         1030           IN         Standover Seat tube         25.12         27.48         28.43         29.61         31.06         32.52         22.99         23.35           Seat tube Reach         12.99         16.50         17.99         19.49         20.98         22.52         17.01         20.00           Head tube Reach         20.79         21.46         21.85         22.24         22.64         23.03	Head angle	70.0	70.5	70.5	70.5	71.0		70.5	70.5	
MM         Standover Seat tube         638         698         722         752         789         826         584         593           Head tube Eff top tube         90         90         90         90         105         145         185         103         143           Eff top tube Reach         528         545         555         565         575         585         542         550           Chainstays BB height         288         291         291         293         293         295         283         283           Offset Trail         82         79         79         79         75         75         75         79         79           Wheelbase         1021         1030         1036         1047         1050         1056         1025         1030           IN         Standover Seat tube Head tube         25.12         27.48         28.43         29.61         31.06         32.52         22.99         23.35           Seat tube Head tube         3.54         3.54         3.54         4.13         5.71         7.28         4.06         5.63           Eff top tube Reach         20.079         21.46         21.85         22.24         22.44	Seat angle	74.0	73.5	73.0	73.0	72.5	72.0	73.5	The same of the sa	
Seat tube   330			698	722	752	789	826	584	593	
Head tube   90   90   90   105   145   185   103   143			419	457	495	533	572	432	508	
Eff top tube         528         545         555         565         575         585         542         550           Reach         559         577         594         604         622         632         581         589           Chainstays         435         428         283         38				90	105	145	185	103	143	
Reach Chainstays         559         577         594         604         622         632         581         589           Chainstays BB height Offset Trail         435         436         38         38         38         38         38         38         38         38         38         38         38         38         38         38         3				555	565	575	585	542	550	
Chainstays         435         283         283         283         283         283         283         283         283         38					604	622	632	581	589	
BB height Offset Offs					435		435	435	435	
Offset Trail         38								283	283	
Trail Wheelbase										
Wheelbase         1021         1030         1036         1047         1050         1056         1025         1030           IN         Standover Seat tube         25.12         27.48         28.43         29.61         31.06         32.52         22.99         23.35           Seat tube         12.99         16.50         17.99         19.49         20.98         22.52         17.01         20.00           Head tube         3.54         3.54         3.54         4.13         5.71         7.28         4.06         5.63           Eff top tube         20.79         21.46         21.85         22.24         22.64         23.03         21.34         21.65           Reach         22.00         22.70         23.37         23.76         24.47         24.87         22.86         23.17           Chainstays         17.13         17.1										
IN         Standover Seat tube         25.12         27.48         28.43         29.61         31.06         32.52         22.99         23.35           Head tube         12.99         16.50         17.99         19.49         20.98         22.52         17.01         20.00           Head tube         3.54         3.54         3.54         4.13         5.71         7.28         4.06         5.63           Eff top tube         20.79         21.46         21.85         22.24         22.64         23.03         21.34         21.65           Reach         22.00         22.70         23.37         23.76         24.47         24.87         22.86         23.17           Chainstays         17.13										
Seat tube         12.99         16.50         17.99         19.49         20.98         22.52         17.01         20.00           Head tube         3.54         3.54         3.54         4.13         5.71         7.28         4.06         5.63           Eff top tube         20.79         21.46         21.85         22.24         22.64         23.03         21.34         21.65           Reach         22.00         22.70         23.37         23.76         24.47         24.87         22.86         23.17           Chainstays         17.13         17.	Wilceinasc	1021	1030	1030	1017	,030				
Seat tube         12.99         16.50         17.99         19.49         20.98         22.52         17.01         20.00           Head tube         3.54         3.54         3.54         4.13         5.71         7.28         4.06         5.63           Eff top tube         20.79         21.46         21.85         22.24         22.64         23.03         21.34         21.65           Reach         22.00         22.70         23.37         23.76         24.47         24.87         22.86         23.17           Chainstays         17.13         17.	TM Standayou	25.12	27 ΔΩ	28.43	29.61	31.06	32.52	22.99	23.35	
Head tube         3.54         3.54         3.54         4.13         5.71         7.28         4.06         5.63           Eff top tube         20.79         21.46         21.85         22.24         22.64         23.03         21.34         21.65           Reach         22.00         22.70         23.37         23.76         24.47         24.87         22.86         23.17           Chainstays         17.13         17.										
Eff top tube         20.79         21.46         21.85         22.24         22.64         23.03         21.34         21.65           Reach         22.00         22.70         23.37         23.76         24.47         24.87         22.86         23.17           Chainstays         17.13										
Reach Chainstays         22.00         22.70         23.37         23.76         24.47         24.87         22.86         23.17           Chainstays BB height Offset Trail         17.13										
Chainstays BB height Offset Trail         17.13										
BB height Offset Trail       11.34       11.46       11.46       11.54       11.54       11.54       11.61       11.14       11.14         3.22       3.09       3.09       3.09       2.97       2.97       3.09       3.09										
Offset Trail         1.50										
Trail 3.22 3.09 3.09 3.09 2.97 2.97 3.09 3.09										
3122 3103										
Wheelbase 40.20 40.55 40.79 41.22 41.34 41.57 40.35 40.55										
	Wheelbase	40.20	40.55	40.79	41.22	41.34	41.57	40.35	40.55	

Main tubes	Tensile steel w/Cr	o-Moly seat	tube			No.			28 38	48	
Stays	High tensile steel	J						Section Age	52 71		
Fork	High tensile steel			Acceptance of the second secon							
	VP H97W, sealed				0/30.0, 35.0			- SAI	46 62		
Handlebars Stem					clamp diam insertion	ieter		18	41 55	70	
Bar ends	3 33 36			25.4mm	insertion			20	37 50	63	o freeze
Grips								22	33 45	57	
		0						12.58	31 42		
Front derailleur				Down pu	ıll, Plate sty	le, 31.8					
Rear derailleur								28	26 36	45	2 7 6
Brakes											
	Lee Chi LV77E di		120/-1	annand Dina	tad						- 1
Rottom bracket	Shimano Tourney VP-BC55P semi-c	1130 48/38 artridae	3/28 W/Chain	guard, Kive 68 x 118						_	
Pedals	Resin	arthuge		9/16" ax				28.7	lb.		
	Shimano HG37 1	4-28		7spd				13.03	3kg		
Chain				110 leng	th, 3/32"					_	- 1
Front hub											- 1
Front tire		8.8		26 x 2.0			95				
Rear hub	Quick release thre	eaded			7.50 15 22 10	QR front & r	ear, 135mr	n O.L.D.			
Rear tire	Schraeder valve			26 x 2.0							
	Weinmann 519 al	llov		548 F R	D., Rubber	rim strin					
Rear Rim	Weinmann 519 al	llov			D., Rubber						
Spokes		103				36 spoke 3x	Rear				
				265, 262	2/264 (D/ND	))					
Saddle		omen's Padd	led on 13, 17								
	Alloy micro-adjust 27.2mm diameter										
Seat binder Additionals			tle on 12 15	71A/ 201A/) **	ale mounts	( no rook or	. 12")				
Colors			tie on 13, 17	7 77, 2077), 13	ack mounts	( no rack or	1 13 )				
0000	Mellow Gold • Re										
	Violet Pearl • Tita										
	0.000			122706 1640	1984.007	2000 EES	200	ranawww			
Frame sizes Handlebar width		16.5	18	19.5	21	22.5	17W	20W			
Stem length	300	580 90	610 110	610 110	610 130	610 130	580 110	610 110			
Crank length		170	170	170	170	170	170	170			
Seatpost length		300	350	350	350	350	350	350			
Steerer, mm		130	130	145	185	225	144	184			
Fork Length	395mr	n axle-crown	race								
Head angle		70.5	70.5	70.5	71.0	71.0	70.5	70.5			
Seat angle		73.5	73.0	73.0	72.5	72.0	73.5	73.0			
MM Standover		698	722	752	789	826	584	593			
Seat tube		419	457	495	533	572	432	508			
Head tube		90	90	105	145	185	103	143			
Eff top tube Reach		545 577	555 594	565 604	575 622	585 632	542 581	550 589			
Chainstays		435	435	435	435	435	435	435			
BB height		291	291	293	293	295	283	283			
Offset	38	38	38	38	38	38	38	38			
Trail	NY 100 - 100	79	79	79	75	75	79	79			
Wheelbase	1021	1030	1036	1047	1050	1056	1025	1030			
IN Standover	25.12	27.48	28.43	29.61	31.06	32.52	22.99	23.35			
Seat tube		16.50	17.99	19.49	20.98	22.52	17.01	20.00			
Head tube	3.54	3.54	3.54	4.13	5.71	7.28	4.06	5.63			
Eff top tube		21.46	21.85	22.24	22.64	23.03	21.34	21.65			
Reach		22.70	23.37	23.76	24.47	24.87	22.86	23.17			
Chainstays BB height		17.13	17.13 11.46	17.13 11.54	17.13 11.54	17.13 11.61	17.13 11.14	17.13 11.14			
Offset		11.46 1.50	1.50	1.54	1.54	1.50	1.50	1.50	3		
Trail		3.09	3.09	3.09	2.97	2.97	3.09	3.09			
Wheelbase		40.55	40.79	41.22	41.34	41.57	40.35	40.55	5		
	1 22 22 22 22 22 22	m man debelor	And the state of t								

# **HYBRIDS**

### Seatposts

With aluminum and steel hybrids, lubricate the seatpost before insertion. Apply a thin layer of grease to the section of the seatpost that will be inserted into the frame. Insert the seatpost into the frame, adjust to the proper height, and engage the binder lever or bolt. Never engage the seatpost binder lever with the seatpost out of the frame.

Trek aluminum and steel hybrids are designed to accept 27.2mm seat posts with a tolerance of 27.10 to 27.20mm outer diameter. Measure the seatpost for conformity to this tolerance prior to installation.

For seat post binder bolts, tighten to 85-125 lboin (9.6-14.1 Nm).

### **Special Torque Specs**

Rear derailleur hanger

30-40 lboin (35-45 Nm)

#### **Bottom bracket**

Be sure bottom bracket threads are clean and well greased before insertion. Failure to do so may cause galling of the threads, especially when inserting into an aluminum bottom bracket shell.

# **OUR PRICE:** \$

**UAV** 

Spinistra	Main tubes	7005 T6 TIG alum	inum		-		28 38 48
	Stays	7005 To TIG alum					
	Fork	Manitou suspensio			48mm t	ravel	<b>11</b> 69 94 119
	Headset					0/30.0, 27.0mm stack	<b>13</b> 59 80 101
					rise, 25.4mm clamp diameter		<b>15</b> 51 69 87
	Stem	ICON forged alloy	direct conn	ect	39.5mm steerer clamp height		<b>17</b> 45 61 77
	Grips	Trek Comfort					
E.	Shifters ront derailleur	GripShift ESP-700	on Curing		Top pull	, 34.9mm/1 3/8"	<b>20</b> 38 52 65
	ear derailleur	Shimano Nexave T GripShift ESP 9.0	op Swing		rop pui	, 34.911111/1 3/8	<b>23</b> 33 45 57
	Brakes	Shimano M600 V					<b>26</b> 29 40 50
		Avid Speed Dial-1.	9 L long pi	all			<b>30</b> 25 35 44
	Crankset				79mm b	olt hole circle	25 35 44
Bo	ttom bracket	Shimano BB-UN52			73 x 113		
		Shimano SPD M32			9/16" ax	de	24.9 lb.
		Shimano HG60-l 1	1-30		8spd		11.30kg
	Chain	Sachs PC-51			108 lenç	ıth, 3/32"	
	Front hub Front tire	Shimano Alivio Tioga City Slicker I	1		700 x 3	20	
	Rear hub	Shimano STX-RC	Į.			ide Compact cassette, 8 spe	ped 135mm 01 D
		Tioga City Slicker I	1		700 x 3	· · · · · · · · · · · · · · · · · · ·	13311111 0.2.5.
	Tubes	Presta valve					8
	Front Rim	Matrix Vapor, eyele	etted		610 E.R.	D., Velox 19mm rim strip	
	Rear Rim	Matrix Vapor, eyele				D., Velox 19mm rim strip	
	Spokes	14G stainless, alloy	nipples			e 3x Front, 32 spoke 3x Re	ar
					300, 29	3/299 (D/ND)	
	Saddle	Selle Bassano Vuel			07.0	12	
	Seatpost Seat binder	Polygon PM900 sh Alloy w/integral bo	ock absorb	er		diameter	
	Additionals	2 water bottle mo	III Internekr	nounts	31.9 Cia	mp diameter	
	Colors	Gloss Black/Black					
		GIOSS DIUCKY DIUCK	nea acea				
Ha	Frame sizes andlebar width Stem length	15 620 90	17.5 620 90	20.5 620 105	23 620 120	25 620 135	
	Crank length	170	170	175	175	175	
	eatpost length	350	350	350	350	350	
	Steerer, mm	171	171	186	206	226	
	Fork Length	420mm	axle-crown	race			
	Head angle	70.0	70.5	70.5	71.5	71.5	
	Seat angle	74.0	74.0	73.0	73.0	72.5	
MM	Standover	690	732	774	822	869	
	Seat tube	381	445	508	572	635	
	Head tube	90	90	105	125	145	
	Eff top tube Reach	545 625	550 631	564 658	582 690	592 714	
	Chainstays	445	445	445	445	445	
	BB height	281	281	281	281	281	
	Offset	38	38	38	38	38	
	Trail	86	83	83	77	77	
	Wheelbase	1043	1044	1049	1057	1062	
1	Ct. I	Company of the Company	00.5	00.25	22.2-	0.4.04	
IN	Standover Seat tube	27.17	28.82	30.47	32.36	34.21	
	Head tube	15.00 3.54	17.52 3.54	20.00 4.13	22.52 4.92	25.00 5.71	
	Eff top tube	21.46	21.65	22.20	22.91	23.31	
	Reach	24.61	24.82	25.90	27.18	28.10	
	Chainstays	17.52	17.52	17.52	17.52	17.52	I
	BB height	11.06	11.06	11.06	11.06	11.06	
	Offset	1.50	1.50	1.50	1.50	1.50	
	Trail	3.40	3.28	3.28	3.02	3.02	
	Wheelbase	41.06	41.10	41.30	41.61	41.81	

600		OUR PRICE:	\$			
			NEW TOTAL	-	0.0	
Main tubes	The second secon			22	32	42
Stays	The state of the s		11	54	79	104
Fork		25 4/24 0/20 0 22 0	13	46	67	88
Headset	January Street S	25.4/34.0/30.0, 32.0mm stack				
Handlebars	3,	25.4mm clamp diameter 25.4mm insertion	15	40	58	76
	Alloy adjustable rise	25.4mm insertion	17	35	51	67
Shifters	Trek Comfort		20	20	44	67
Front derailleur		Top pull, 34.9mm/1 3/8"				
Rear derailleur		10p pull, 34.5hillif 1 3/6	23	26	38	50
Brakes			26	23	34	44
Brake levers	The state of the s		30	20	29	20
Crankset		Splined/104/64mm bolt hole circle	30	20	23	30
Bottom bracket		73 x 113				
Pedals		9/16" axle	200	25 22 WW	_	1
Cassette	3 3	8spd	7,000,00	1.1 lb.		
Chain	- TATALEN AND AND AND AND AND AND AND AND AND AN	108 length, 3/32"	10	).94kç	J	
Front hub	Shimano Alivio					1
Front tire	Trek Invert II, 60TPI	700 x 38c				
	4					

Shimano Alivio	
Trek Invert II, 60TPI	700 x 38c
Shimano STX-RC	HyperGlide Compact cassette, 8 speed, 135m
Trek Invert 11, 60TPI	700 x 38c
Presta valve	
Matrix Vapor, eyeletted	610 E.R.D., Velox 19mm rim strip
Matrix Vapor, eyeletted	610 E.R.D., Velox 19mm rim strip
14G stainless, alloy nipples	32 spoke 3x Front, 32 spoke 3x Rear 300, 298/299 (D/ND)
Selle Bassano Hybrid, Cro-Moly/leather	Anti-active design of the section of
	Trek Invert II, 60TPI Shimano STX-RC Trek Invert II, 60TPI Presta valve Matrix Vapor, eyeletted Matrix Vapor, eyeletted 14G stainless, alloy nipples

27.2mm diameter

31.9 clamp diameter

	Polygon PM900 shock absorber
Seat hinder	Alloy w/integral bolt
Additionals	2 water bottle mounts, rack mounts
	Titanium • Metallic Teal decal

Frame sizes	15	17.5	20.5	23	25
Handlebar width	580	580	580	580	580
Stem length	90	90	105	105	105
Crank length	170	175	175	175	175
Seatpost length	350	350	350	350	350
Steerer, mm	124	124	139	159	179

	Fork Length	428mm	axle-crown	race		
	Head angle	70.0	70.5	70.5	71.5	71.5
	Seat angle	74.0	74.0	73.0	73.0	72.5
MM	Standover	690	732	774	822	869
	Seat tube	381	445	508	572	635
	Head tube	90	90	105	125	145
	Eff top tube	545	550	564	582	592
	Reach	583	589	609	629	639
	Chainstays	445	445	445	445	445
	BB height	281	281	281	281	281
	Offset	38	38	38	38	38
	Trail	86	83	83	77	77
	Wheelbase	1043	1044	1049	1057	1062
IN	Standover	27.17	28.82	30.47	32.36	34.21
(TOR-20)	Seat tube	15.00	17.52	20.00	22.52	25.00
	Hand Arden	0.54	0 5 4	4 10	4.00	E 77.1

Seat tube	15.00	17.52	20.00	22.52	25.00	
Head tube	3.54	3.54	4.13	4.92	5.71	
Eff top tube	21.46	21.65	22.20	22.91	23.31	
Reach	22.95	23.18	23.98	24.76	25.15	
Chainstays	17.52	17.52	17.52	17.52	17.52	
BB height	11.06	11.06	11.06	11.06	11.06	
Offset	1.50	1.50	1.50	1.50	1.50	
Trail	3.40	3.28	3.28	3.02	3.02	
Wheelbase	41.06	41.10	41.30	41.61	41.81	
The same of the sa						

10.9	4ka
10.5	TRY

10.5TKg

	10.94kg
Emm	0.L.D.

24.1	lb.
10.9	4kg

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OUR PRICE:	\$
Main tubes 7005	F6 TIG aluminum

Main tubes	7005 T6 TIG aluminum	•		22	32	42	
Stays	7005 T6 TIG aluminum		11	5/	70	104	
Fork	Cro-Moly						
Headset	Tange Seiki Passage OV	25.4/34.0/30.0, 32.0mm stack	13	46	67	88	
Handlebars	System 1, 10° bend alloy, 30mm rise	25.4mm clamp diameter	15	40	58	76	
Stem	Alloy adjustable rise	25.4mm insertion	18	33	48	C1	
Grips	Trek Comfort		7-21/7				
Shifters	GripShift SRT-4.0		21	29	42	54	
ont derailleur	Shimano Alivio Top Swing	Top pull, 34.9mm/1 3/8"	24	25	36	48	
ear derailleur	Shimano STX-RC SGS		28				
Brakes	Lee Chi TX22 direct pull		20	21	31	41	
Brake levers	Lee Chi LV77E direct pull	PATES? N				10.00	
Crankset		Riveted					
ttom bracket	Shimano BB-LP27	73 x 113	_				
Pedals	Resin w/clips and straps	9/16" axle	24	.8 lb.	20		
Cassette	Shimano IG50 11-28	7spd	11	.26kg	Į		
Chain	Sachs PC-21	108 length, 3/32"		100	70	]	

Front hub	Shimano Alivio	200 0 20
	Trek Invert II	700 x 38c
Rear hub	Shimano Alivio	HyperGlide Compact cassette, 7 speed, 135mm O.L.D.
Rear tire	Trek Invert II	700 x 38c
Tubes	Schraeder valve	
	Matrix Vapor	610 E.R.D., Velox 19mm rim strip
	24 27	CIO E D.D. Malary 10 mars at the

Rear Rim	Matrix Vapor	610 E.R.D., Velox 19mm rim strip
	14G stainless	32 spoke 3x Front, 32 spoke 3x Rear
		299, 297/298 (D/ND)
Saddle	Selle Bassano	
Seatpost	Polygon PM900 shock absorber	27.2mm diameter
	Alloy w/integral bolt	31.9 clamp diameter
Additionals	2 water bottle mounts, rack mounts	

Fuence almos		10.5	20.5	22	25	17W	20W
Frame sizes	15	17.5	20.5	23	25	1700	2000
Handlebar width	580	580	580	580	580	580	580
Stem length	90	90	105	105	105	90	105
Crank length	170	170	175	175	175	170	175
Seatpost length	350	350	350	350	350	350	350
Steerer, mm	117	132	172	172	212	159	199
Fork Length	428mm	ı axle-crowr	ı race				
Head angle	70.0	70.5	70.5	71.5	71.5	70.5	70.5
Cont annia	740	740	72.0	72.0	72 E	740	72 0

Colors | Ice Inkwell • Titanium decal

Wheelbase

	rork Length	428mm	axie-crown	race				
	Head angle	70.0	70.5	70.5	71.5	71.5	70.5	70.5
	Seat angle	74.0	74.0	73.0	73.0	72.5	74.0	73.0
MM	Standover	690	732	774	822	869	685	705
	Seat tube	381	445	508	572	635	445	508
	Head tube	90	90	105	125	145	125	165
	Eff top tube	546	551	566	582	592	548	562
	Reach	584	590	611	629	639	587	607
	Chainstays	445	445	445	445	445	445	445
	BB height	281	281	281	281	281	281	281
	Offset	38	38	38	38	38	38	38
	Trail	86	83	83	77	77	83	83
	Wheelbase	1043	1044	1049	1057	1062	1044	1049
IN	Standover	27.17	28.82	30.47	32.36	34.21	26.97	27.76
675.A.A.	Seat tube	15.00	17.52	20.00	22.52	25.00	17.52	20.00
	Head tube	3.54	3.54	4.13	4.92	5.71	4.92	6.50
	Eff top tube	21.50	21.69	22.28	22.91	23.31	21.57	22.13
	Reach	22.99	23.22	24.06	24.76	25.15	23.10	23.91
	Chainstays	17.52	17.52	17.52	17.52	17.52	17.52	17.52
	BB height	11.06	11.06	11.06	11.06	11.06	11.06	11.06
	Offset	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	Trail	3.40	3.28	3.28	3.02	3.02	3.28	3.28

41.30

41.61

41.81

41.10

41.06 41.10

41.30

								-	
	Main tubes	Hi Tensile steel v	v/Cro-Moly s	eat tube					40
	Stays	High tensile stee		ear tube					
	Fork	High tensile stee							81
	Headset	VP H67W				0/27.0, 35.0			70
	Handlebars	Steel, 30mm rise	(50mm on I	adies)		clamp dian	neter		60
	Stem	Alloy adjustable			22.2mm	insertion			<b>21</b> 51
	Grips Shifters	Trek Comfort							
	Brakes	GripShift SRT-4.0 Shimano Altus C							44
	Brake levers	Tektro 367AP	192						38
	The state of the s	Dotek, 33T			1 piece				33
Bo	ttom bracket	Shimano BB-CT9	1E		68 x 116	ō			
	Pedals	Platform			9/16" ax	de			28.7 lb.
	Chain	Sachs	98 lengt	h, 1/8"			13.03kg		
	Front hub	Forged alloy susp	ension						13.03kg
	Front tire	Trek Invert II		D 1	700 x 38		1	D.C	01.0
	Rear hub Rear tire	Shimano Nexus 1 Trek Invert 11	nter 7 Roller	Втаке	700 x 38		itted rear, Q	R front, 130mr	n O.L.D.
	Tubes	Schraeder valve			700 X 38	3C			
	Front Rim	Vuelta Vision			Rubber 1	rim strin			
	Rear Rim	Vuelta Vision			Rubber 1				
	Spokes	14G stainless					36 spoke 3x	Rear	
					(D/ND)		M		
	Saddle	Trek spring, Won	nen's on 17V	V, 20W					
	Seatpost	Alloy micro-adjus	st		27.2mm	diameter			
	Seat binder	Bolt, M6 x 23.5	2014						
	Additionals Colors	Chainguard, fenders, kickstand, 2 water bottle mounts, rack mounts (1 bottle on 15", 17W, 20W lee Violet • Titanium decal							
	001013	ice violet • ritar	num uccai						
	Frame sizes	15	17	19	21	23	17W	20W	
Ha	andlebar width	580	580	600	600	600	580	600	
	Stem length	90	90	90	110	110	90	110	
	Crank length	170	170	170	170	170	170	170	
	eatpost length	300	300	300	300	300	300	300	
	Steerer, mm	133	133	133	143	183	164	209	
	Fork Length Head angle		m axle-crown		71.5	71.5	70 F	70 F	
	Seat angle	70.0 74.0	70.5 74.0	70.5 73.0	71.5 73.0	71.5 73.0	70.5 74.0	70.5 73.0	
MM	Standover	672	706	73.0	776	821	590	599	
141141	Seat tube	381	432	483	533	584	432	508	
	Head tube	90	90	90	100	140	120	165	
	Eff top tube	545	550	560	570	580	548	556	
	Reach	583	589	599	619	629	587	603	
	Chainstays	445	445	445	445	445	445	445	
	BB height Offset	281 50	281 50	281 50	281 50	281 50	281 50	281	
	Trail	74	70	70	64	64	70	50 70	
	Wheelbase	1053	1054	1054	1056	1067	1054	1054	
		,,,,,,,							
IN	Standover	26.46		29.06	30.55	32.32	23.23	23.58	
	Seat tube	15.00		19.02	20.98	22.99	17.01	20.00	
	Head tube	3.54	3.54	3.54	3.94	5.51	4.72	6.50	
	Eff top tube Reach	21.46		22.05	22.44	22.83	21.57	21.89	
	Chainstays	22.95 17.52		23.57 17.52	24.37 17.52	24.77 17.52	23.10 17.52	23.75 17.52	
	BB height	11.06	11.06	11.06	11.06	11.06	11.06	11.06	
	Offset	1.97	1.97	1.97	1.97	1.97	1.97	1.97	
	Trail	2.90	2.77	2.77	2.52	2.52	2.77	2.77	
	Wheelbase	41.46		41.50	41.57	42.01	41.50	41.50	

	-									
Main tub	s Cro-Moly	steel							24	34 42
Sta									NOTE OF THE PARTY OF	34 104
Fo										
Heads	t Tange Se	iki Passage	<u>.</u>			/27.0, 30.9			<b>13</b> 50	71 88
Handleba	's System 1	, 10° bend	alloy, 30m	m rise		clamp diam	eter		16 41	58 72
	n Alloy adji				22.2mm	insertion			19 34	49 60
	rek Com								10000	ASS CONTRACTOR
Shifte	's GripShift	SRT-4.0			-	11 01 0 /	4 4 1 4 11			42 52
Front deraille					Down pu	ll, 31.8mm/	1 1/4		<b>26</b> 25	36 44
Rear deraille			11						30 22	31 38
	Lee Chi T Lee Chi L									
	Shimano				67mm he	olt hole circ	le			
Bottom brack			34/24		68 x 113	ere there ente				
	ls Resin w/o		trans		9/16" axl				26.4 lb.	<b>–</b> 1
Casset		IG50 11-3			7spd				11.99kg	
Cha					108 leng	th, 3/32"			11.95kg	
Front hi	<b>b</b> Shimano	Acera-X								
Front ti	e Trek Inve	rt II			700 x 38					- 1
Rear hi	HISO COLORADO COMO				U 1		cassette, 7	speed, 135	mm O.L.D.	- 1
	e Trek Inve				700 x 38	C				- 1
Tub					e = = =		200			1
	m Matrix V					O., Cloth rin				
Rear R	enteren and a service of the service					O., Cloth rin		Door		- 1
Spok	es 14G stair	iless				298 (D/ND	32 spoke 3x	Real		- 1
Sado	In Trek Hi	lencity for	m Women	's on 17W, 2		1230 (D/ND	')			
Seatpo	st Polygon	shock abso	m, women orber	5 011 17 17, 2	27.2mm	diameter				
Seat bind		ease, 47m			27.2000	diameter				
Additiona				ounts (1 bo	ttle on 15".	17W, 20W	)			
Colo		Metallic Gr			epublicati estratorio propue a	SOUNDAM DESCRIPTION				
		reen • Silv								
	David Control			15 1444			22	1 = 1 \( \lambda \)	17714/	2014/
Frame siz		13	15	17	19	21	23 580	15W 580	17W 580	20W 580
Handlebar wic		580	580	580	580 105	580 105	105	90	90	90
Stem leng Crank leng		90 170	90 170	90 170	170	170	175	170	170	170
Seatpost leng		350	350	350	350	350	350	350	350	350
Steerer, m		130	130	130	130	140	180	130	160	205
otterer, ii	100	130	130	130	150	1 10	, , ,			52-10-2007
Fork Leng	th	398mm	axle-crown	race						
Head and		70.0	70.0	70.5	70.5	71.5	71.5	70.0	70.5	70.5
Seat any		74.5	74.0	74.0	73.0	73.0	73.0	74.0	74.0	73.0
MM Standov		638	672	706	738	776	821	582	590	599
Seat tu		330	381	432	483	533	584	381	432	508
Head tu		90	90	90	90	100	140	90	120	165
Eff top tu		540	545	550	560	570	580	545	548	556 595
Rea		578	583	589 445	605 445	617 445	627 445	583 445	587 445	445
Chainsta BB heig		445	445	445 281	281	281	281	281	281	281
Off:		281 50	281 50	50	50	50	50	50	50	50
	ail	74	74	70	70	64	64	74	70	70
Wheelba		1053	1053	1054	1054	1056	1067	1053	1054	1054
THE THE COURT		.000	,,,,,,		ac 7070/	2010 T.C.				
	6.4	25.12	26.46	27.80	29.06	30.55	32.32	22.91	23.23	23.58
TN Standov	er		15.00	17.01	19.02	20.98	22.99	15.00	17.01	20.00
Seat tu	be	12.99	13.00			2.04	5.51	2 5 4	4 770	6.50
	be	12.99 3.54	3.54	3.54	3.54	3.94		3.54	4.72	
Seat tu Head tu Eff top tu	be be be	3.54 21.26	3.54 21.46	3.54 21.65	22.05	22.44	22.83	21.46	21.57	21.89
Seat tu Head tu Eff top tu Rea	be be be ch	3.54 21.26 22.76	3.54 21.46 22.95	3.54 21.65 23.18	22.05 23.83	22.44 24.29	22.83 24.68	21.46 22.95	21.57 23.10	21.89 23.42
Seat tu Head tu Eff top tu Rea Chainsta	be be ch ys	3.54 21.26 22.76 17.52	3.54 21.46 22.95 17.52	3.54 21.65 23.18 17.52	22.05 23.83 17.52	22.44 24.29 17.52	22.83 24.68 17.52	21.46 22.95 17.52	21.57 23.10 17.52	21.89 23.42 17.52
Seat tu Head tu Eff top tu Rea Chainsta BB heig	be be be ch ys ht	3.54 21.26 22.76 17.52 11.06	3.54 21.46 22.95 17.52 11.06	3.54 21.65 23.18 17.52 11.06	22.05 23.83 17.52 11.06	22.44 24.29 17.52 11.06	22.83 24.68 17.52 11.06	21.46 22.95 17.52 11.06	21.57 23.10 17.52 11.06	21.89 23.42 17.52 11.06
Seat tu Head tu Eff top tu Rea Chainsta BB heig	be be be ch ys ht	3.54 21.26 22.76 17.52 11.06 1.97	3.54 21.46 22.95 17.52 11.06 1.97	3.54 21.65 23.18 17.52 11.06 1.97	22.05 23.83 17.52 11.06 1.97	22.44 24.29 17.52 11.06 1.97	22.83 24.68 17.52 11.06 1.97	21.46 22.95 17.52 11.06 1.97	21.57 23.10 17.52 11.06 1.97	21.89 23.42 17.52 11.06 1.97
Seat tu Head tu Eff top tu Rea Chainsta BB heig	be be ch ys ht et	3.54 21.26 22.76 17.52 11.06	3.54 21.46 22.95 17.52 11.06	3.54 21.65 23.18 17.52 11.06	22.05 23.83 17.52 11.06	22.44 24.29 17.52 11.06	22.83 24.68 17.52 11.06	21.46 22.95 17.52 11.06	21.57 23.10 17.52 11.06	21.89 23.42 17.52 11.06

	Main tubes	Cro-Moly steel							2/	34 42
	Stays								27.500	34 42
	Fork								<b>11</b> 59	84 104
	Headset				22 2/30	0/27.0, 35.0	Omm stack		<b>13</b> 50	71 88
		Steel, 60mm rise				clamp dian			15 44	
	Stem	Steel Highrise from	it load			insertion				
		Trek Comfort							<b>18</b> 36	51 64
	Shifters	GripShift MRX-17	0						<b>21</b> 31	44 54
F	ront derailleur	Shimano Altus CT	92		Down p	ull, Plate sty	/le, 31.8		24 27	39 48
R	ear derailleur									39 46
	Brakes		ct pull						<b>28</b> 23	33 41
		Lee Chi LV77E dir								
	Crankset	Commission of the contract of		4	Riveted					1
Bo	ttom bracket		E		68 x 118					1
		Platform			9/16" ax	de			27.2 lb.	1
	Cassette		1-28		7spd					2
	Chain				108 leng	jth, 3/32"			12.35kg	9
	Front hub		ension							
	Front tire				700 x 38		Maria de la companione de	properties and an amount of the		- 1
	Rear hub	Difficultio Filector II					t cassette, 7	speed, 135	omm O.L.D.	
	Rear tire				700 x 38	BC				1
	Front Dire	Schraeder valve			CIOER	D B. L1				1
	Rear Rim	Weinmann 519 all Weinmann 519 all				D., Rubber				1
	Spokes	The state of the s	oy			D., Rubber		Danu		
	Shokes	14G stainless				e 3x Front, 3/294 (D/NI	36 spoke 3x	real		
	Saddle	Trek Hi-density fo	am Womer	r's on 17W		)/294 (D/NI	))			
		SP57 shock absort	am, wome er	13 011 1744, .		diameter				1
	Seat binder				27.211111	diameter				
	Additionals			nounts (1 hc	ittle on 15"	17W 20W	)			
	Colors			nouncs (1 be	ittle on 15	, 1711, 2011	,			
		Pearl Green/Blue		<ul> <li>White deca</li> </ul>	1					- 1
	Frame sizes	13	15	17	19	21	23	15W	17W	20W
Ha	andlebar width	580	580	580	610	610	610	580	580	610
	Stem length Crank length	100	100	100	100	100	100	100	100	100
	eatpost length	170	170	170	170	170	170	170	170	170
	Steerer, mm	350 130	350 130	350 130	350	350	350	350	350	350
	Steerer, min	130	130	130	130	140	180	130	160	205
	Fork Length Head angle		axle-crown		70.5	71.5	21.5	70.0	70.5	70.5
	Seat angle	70.0	70.0	70.5	70.5	71.5	71.5	70.0	70.5	70.5
N/IN/I	Standover	74.5 638	74.0 672	74.0 706	73.0 738	73.0 776	73.0 821	74.0 582	74.0 590	73.0 599
MM	Seat tube	330	381	432	483	533	584	381	432	508
	Head tube	90	90	90	90	100	140	90	120	165
	Eff top tube	540	545	550	560	570	580	545	548	556
	Reach	582	587	593	603	615	625	587	591	599
	Chainstays	445	445	445	445	445	445	445	445	445
	BB height	281	281	281	281	281	281	281	281	281
	Offset	50	50	50	50	50	50	50	50	50
	Trail	74	74	70	70	64	64	74	70	70
	Wheelbase	1053	1053	1054	1054	1056	1067	1053	1054	1054
IN	Standover	25.12	26.46	27.80	29.06	30.55	32.32	22.91	23.23	23.58
	Seat tube	12.99	15.00	17.01	19.02	20.98	22.99	15.00	17.01	20.00
	Head tube	3.54	3.54	3.54	3.54	3.94	5.51	3.54	4.72	6.50
	Eff top tube	21.26	21.46	21.65	22.05	22,44	22.83	21.46	21.57	21.89
	Reach	22.92	23.12	23.35	23.74	24.20	24.59	23.12	23.27	23.58
	Chainstays	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52
	BB height	11.06	11.06	11.06	11.06	11.06	11.06	11.06	11.06	11.06
	Offset	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97
	Trail	2.90	2.90	2.77	2.77	2.52	2.52	2.90	2.77	2.77
	Wheelbase	41.46	41.46	41.50	41.50	41.57	42.01	41.46	41.50	41.50
									200 TO 200 TO 200	

		4		ıı.								
			10 1							60	00	40
		Hi Tensile steel w	Cro-Moly se	at tube						28	38	48
		High tensile steel High tensile steel							14	54	74	93
	Headset				22 2/20 (	0/27.0, 35.0	mm stack		16	48	65	82
		Steel, 60mm rise				clamp diam			18			
	Stem	Steel Highrise from	nt load		22.2mm		CCC		West Street	42	58	73
	Grips	Trek Comfort	it lodd:		a 21 • 21 111111	Jection			20	38	52	65
	Shifters	GripShift MRX-17	0						22	35	47	59
F	ront derailleur	Shimano Tourney			Down pu	ıll, 31.8mm/	1 1/4"		24			
	ear derailleur	Shimano Acera-X			pe		1 16 15 16 18 18 18 18 18 18 18 18 18 18 18 18 18			32	43	54
		Shimano Altus CT	92						28	27	37	47
	Brake levers	Chang Star 279c								- 10		
	Crankset	Shimano Tourney	TY30 48/38	/28, chaingt	ard, Riveted	1						
Bo	ttom bracket	Shimano BB-TY30			68 x 122							
[2]	Pedals	Platform			9/16" ax				2	7.4 lb.		1
	Freewheel	Shimano HG37 14	1-28		7spd							
	Chain	Sachs PC-10			110 leng	th, 3/32"			1.	2.44kç	J	
	Front hub	Steel quick release	3									1
	Front tire	Trek Invert II			700 x 38	lc .						
	Rear hub	Nutted rear			Threaded	l, 7 speed, (	QR front, nu	itted rear,	135mm	O.L.I	).	
	Rear tire	Trek Invert II			700 x 38		₩ ₽.					
	Tubes	Schraeder valve										
	Front Rim	Weinmann 519 al	loy			D., Rubber r						
	Rear Rim	Weinmann 519 al			610 E.R.I	D., Rubber r	im strip					
	Spokes	14G stainless	- Au		36 spoke	3x Front, 3	36 spoke 3x	Rear				
					296, 293	/294 (D/ND	)					
	Saddle	Trek Hi-density fo										
	Seatpost	Alloy micro-adjust	t		27.2mm	diameter						
	Seat binder	Quick release, 47r										
	Additionals	2 water bottle mo			ttle on 15",	17W, 20W)	E.					
	Colors	Pearl Blue • Meta										
		Silver/Titanium fa		cal								
		1ce 1nkwell • Silve	er decal									
							OF THE BLOW					
	Frame sizes	15	17	19	21	23	17W	20W				
Ha	andlebar width	580	580	610	610	610	580	610				
	Stem length	100	100	100	100	100	100	100				
	Crank length	170	170	170	170	170	170	170				
S	eatpost length	300	300	300	350	350	300	350				
	Steerer, mm	130	130	130	140	180	160	205				
	Fork Length		n axle-crown		202 100	220						
	Head angle	70.0	70.5	70.5	71.5	71.5	70.5	70.5				
	Seat angle	74.0	74.0	73.0	73.0	73.0	74.0	73.0				
/IM	Standover	672	706	738	776	821	590	599				
141	Seat tube	381	432	483	533	584	432	508				
	Head tube	90	90	90	100	140	120	165				
	Eff top tube	545	550	560	570	580	548	556				
	Reach	587	593	603	615	625	591	599				
	Chainstays	445	445	445	445	445	445	445				
	BB height	281	281	281	281	281	281	281				
	Offset	50	50	50	50	50	50	50				
	Trail	74	70	70	64	64	70	70				
	Wheelbase	1053	1054	1054	1056	1067	1054	1054				
. 1	Claudan	was ore	07.00	00.05	20.55	20.00	22.22	22.50				
N	Standover	26.46	27.80	29.06	30.55	32.32	23.23	23.58				
	Seat tube	15.00	17.01	19.02	20.98	22.99	17.01	20.00				
	Head tube	3.54	3.54	3.54	3.94	5.51	4.72	6.50				
	Eff top tube	21.46	21.65	22.05	22.44	22.83	21.57	21.89				
	Reach	23.12	23.35	23.74	24.20	24.59	23.27	23.58				
	Chainstays	17.52	17.52	17.52	17.52	17.52	17.52	17.52				
	BB height	11.06	11.06	11.06	11.06	11.06	11.06	11.06				
	Offset	1.97	1.97	1.97	1.97	1.97	1.97	1.97				
	Trail	2.90	2.77	2.77	2.52	2.52	2.77	2.77				
	Wheelhase	11.46	41.50	41.50	41 57	42.01	41.50	41.5				

41.46

Wheelbase

41.50

41.50

41.57

2.52 42.01

41.50

41.5

# ROAD

## **Special Torque Specs**

With newer 3 Tube Carbon frames, an internal aluminum sleeve is bonded into the seat tube to prevent possible crushing of the seat tube through extreme over tightening of the front derailleur clamp. However, prior to 1993, this was not done. Instead, a plastic insert was used in the derailleur clamp to prevent over tightening. Be especially careful not to over tighten when attaching front derailleurs to older 3 Tube Carbon bikes.

Tighten tandem bottom bracket eccentric expander bolts to 180 lboin (20.3 Nm).

Special Parts Chainkeeper	<b>Part #</b> T83663
Chainstay guard	T950130
Tandem bottom bracket eccentric (w/hardware)	T82672
Front derailleur braze-on plate (OCLV)	T973749
OCLV bottom bracket cable guide	T942820
Tandem bottom bracket cable guide	T92798
Front derailleur frame clamp AD15, 34.9	40090
Top tube foam insert	T82052

#### Seatposts

Trek road bikes are designed to accept 27.2mm seat posts with a tolerance of 27.10 to 27.20mm outer diameter. Measure the seat-post for conformity to this tolerance prior to installation.

For seat post binder bolts, tighten to 85-125 lboin (9.6-14.1 Nm).

With OCLV frames, do not grease the seatpost. OCLV bikes have a fiberglass sleeve bonded into their carbon seat tube. This sleeve prevents galvanic corrosion of the seatpost and carbon, so no grease is needed, nor recommended. If grease is applied, it may be very difficult to get adequate clamping force to hold the seatpost. If you have accidentally greased an OCLV frame, use a cloth with some degreaser to remove the grease, using normal caution to protect bearings and paint.

#### **Bottom bracket**

Be sure bottom bracket threads are clean and well greased before insertion. Failure to do so may cause galling of the threads

#### **Brake nuts**

With OCLV bikes and the Air Rail carbon fork, the large diameter used to add stiffness means a normal brake bolt may not be long enough. For these forks, we supply a longer nut. The Air Rail fork is found on the 2300, 5000, 5200, 5500, and 5500 frameset.

Brake nut for ICON Air Rail fork, rear yoke on 5000 series OCLV road bikes

950112

Brake nut for rear yoke on Y Foil

980285

#### Suspension Ready Geometry

A longer version of the Air Rail is found on the aerodynamic Y Foils. These forks are longer to handle properly in the suspension ready geometry.

# Chainkeepers and Chainstay guards

OCLV frames (except the Y Foils) must always be fitted with a chainkeeper and chainstay guard to protect against damage in case of chainsuck or overshifting past the inner chainring.

#### **Removing Headset Cups**

When removing an headset in an OCLV frame, make sure the headset removal tool is engaging the headset cup. OCLV framesets do not utilize a continuous headtube, but instead use two short inserts to support the headset cups. If the headset tool is outside the insert rather than inside the insert and pressing on the cup, frame damage can result.

#### Internal Cable Guide Sleeve

Trek Aluminum and 3 Tube Carbon Road bikes use an internally routed rear brake cable for clean, good looks. In some cases of extremely bumpy roads, the cable can bounce inside the top tube, causing an annoying rattle. To prevent this, we provide a foam sleeve which is used to pad the housing inside the top tube.

To install the sleeve, stand the bike on the floor with the seatpost removed from the frame (clamping the seat tube in a repair stand may damage the decals). With the cable installed in the housing, thread the cable through the front cable entry hole. With your free hand, insert a finger down the seat tube and into the top tube. Allow the cable end to contact the end of your finger, and while pushing the housing further into the frame's front hole, let the pressure of the cable end push your finger back out of the top tube.

With the cable pulled well outside the top tube, slide the sleeve over the cable end and housing, and into the top tube. Next, with the sleeve slid as far into the top tube as possible, again reach into the top tube with a finger and find the end of the cable. Use your finger to guide the cable to the rear exit hole of the top tube. When the cable exits the hole, ease the housing out, grease and install the seatpost, and finish your assembly as normal.

At some future time, you may need to install new housing in the frame. Although it's preferable that the housing be inside the sleeve, it is not necessary to prevent most rattles. Just install the cable and housing as you normally would.

#### Rear Spacing

O.L.D. (Over Locknut Dimension) is a measurement of the hub width on the outside of the axle locknuts. When we list OLD, we're referring to the rear hub. In addition, we have listed the frame dimensions rather than the hub. This is technically incorrect, but more useful because many of our road frames are designed with a 128mm rear axle spacing to use either a 130 OLD 7/8/9 speed hub, or a 126 OLD 6 speed hub. It does not damage the frame in any way to use either of these hub sizes in a bike with a listed 128 OLD.

Main tubes	OCLV carbon						To Take	39	53	
Stays	OCLV carbon						12	86	117	
Fork	1CON Air Rail SR			190 11			13			
Headset	Shimano Ultegra				2/26.4, 37.4			79		
Handlebars	1CON 2014		al .	26.0mm 22.2mm	clamp diam	eter	14	74	100	
Stem Grips	3T Evol 2002 fo Cork, black	rged front loa	ıa	22.211111	msertion		15	69	93	- 12
Shifters	Shimano Dura-A	ce STI Dual C	ontrol				16	64	88	HAT!
Front derailleur	Shimano Dura-A		Officion	Down pi	ıll, Braze-on	ı tyne	2 200			
Rear derailleur	Shimano Dura-A			DOWN PC	iii, bluze oi	, type	17	61	82	-
Brakes	Shimano Dura-A						19	54	74	1
Brake levers	combi brake/shif						21	49	67	
Crankset	Shimano Dura-A			130mm	bolt hole cir	cle	23			
<b>Bottom bracket</b>	Shimano Dura-A			68 x 109	.5		23	45	61	
Pedals	Shimano Dura-A	ce SPD, cliple	ess.	9/16" ax	le					
Cassette	Shimano Dura-A			9 spd				0 5 11		
Chain	Shimano Dura-A			106 leng	th, 9 speed	width		8.5 lb.		
Front hub	Rolf Aero, Salsa						8	.40kg		
Front tire	Continental Gran		folding	700 x 25		0 1 100 01	ъ			
Rear hub	Rolf Aero, Salsa		C 1 1:			9 spd, 130mm O.L.	.D.			
Rear tire Tubes	Continental Gran		rolaing	700 x 25	oc.					
Front Rim	Presta valve, 48r			Custom	drillad 507	E.R.D., Velox 16mn	n rim strin			
Rear Rim	Araya Super Aero Araya Super Aero					E.R.D., Velox 16mn				1
Spokes	DT triple butted	blade stainle	ess flat washer				ii iiiii strip			
alla solo solo solo solo solo solo solo	Dr triple butted	blade, stairile	.33 Hat Washer			nt 16 spoke 1x Rea	ır			
					)/287 (D/ND					
Saddle	Selle Bassano			1333388888888 W.	Charles And Charles	•				
	Thomson Elite			27.2mm	diameter					
Seat binder	Alloy w/integral	bolt		35.0 clai	np diameter	ř				
Additionals	2 water bottle n	nounts								
Colors	Metallized yellov	w • Black dec	als							
Frame sizes Handlebar width Stem length Crank length	48 380 85 170	51 400 95 170	54 420 95 172.5	56 420 105 172.5	59 440 115 172.5	62 460 125 175				
Seatpost length	250	250	250	250 151	250	250				
Steerer, mm	134	134	134	151	174	204				
Fork Length	402m	ım axle-crown	race							
Head angle	72.0	72.5	73.0	73.5	74.0	74.0				
Seat angle	74.5	73.8	73.3	72.0	72.0	72.0				
MM Standover	727	744	750	769	797	880				
Seat tube	. 480	510	540	560	590	620				
Head tube	85	85	85	102	125	155				
Eff top tube	510	527	545	565	585	605				
Reach	595	622	640	670	700	730				
Chainstays	408	408	410	410	412	412				
BB height Offset	264	264	266	266	268 43	268 43				
Trail	47 61	47 58	45 57	45 54	43 53	53				
Wheelbase	961	967	979	978	996	1015				
Wilcelbase	901	307	373	376	330	1015				
IN Standover	28.62	2 29.29	29.53	30.28	31.38	34.65				
Seat tube	18.90		21.26	22.05	23.23	24.41				
Head tube	3.35		3.35	4.02	4.92	6.10				
Eff top tube	20.08		21.46	22.24	23.03	23.82				
Reach	23.42	2 24.49	25.20	26.38	27.56	28.74				
Chainstays	16.00		16.14	16.14	16.22	16.22				
BB height	10.39		10.47	10.47	10.55	10.55				
Offset		1.85	1.77	1.77	1.69	1.69				
Trail	2.39		2.23	2.11	2.07	2.07				
Wheelbase	37.83	38.07	38.54	38.50	39.21	39.96				

				•						
	Main tubes	OCLV carbon							39	53
	Stays	OCLV carbon						7.0		***************************************
	Fork	ICON Air Rail SRG						12	86	117
		Tange Seiki VR25			22.2/30.2	2/26.4, 35.21	mm stack	13	79	108
	Handlebars	1CON 2014				clamp diame		14	74	100
	Stem	3T Evol 2002 forg	red front loa	ıd	22.2mm					
	Grips	Cork, black						15	69	93
	Shifters	Shimano Ultegra S	STI Dual Cor	ntrol				16	64	88
Fre	ont derailleur	Shimano Ultegra			Down pu	ll, Braze-on	type	17	61	82
Re	ar derailleur	Shimano Ultegra						19		
	Brakes	Shimano Ultegra						10/11/16/20	54	14
E	Brake levers	combi brake/shift						21	49	67
	Crankset	Shimano Ultegra	53/39			oolt hole cire	cle	23	45	61
Bot	tom bracket	Shimano Ultegra			68 x 109					
	Pedals	Shimano Ultegra		i.	9/16" ax	le				
	Cassette	Shimano Ultegra	12-23		9 spd	th O speed	width	1	19.4 ll	2
	Chain	Shimano HG92			106 leng	th, 9 speed	width		8.81kg	
	Front hub	Shimano Ultegra	1 Driv 2000	folding	700 x 25	C			0.01 Kg	100
	Rear hub	Continental Grand	1 FIIX 3000,	roluling			9 spd, 130mm O.L.D.	2		
	Rear tire	Shimano Ultegra Continental Grand	Prix 3000	folding	700 x 25					
	Tubes	Presta valve	, THA 2000,	Tolding	700 A 23					
	Front Rim	Mavic CXP21			598.5 E.I	R.D., Velox	16mm rim strip			
	Rear Rim	Mavic CXP21					16mm rim strip			
	Spokes	DT 14/15G buttee	d stainless				2 spoke 3x Rear			
						/294 (D/ND				
	Saddle	Selle Bassano Vuo	elta, 531 rail	s/leather cove						
	Seatpost	Thomson Elite			27.2mm	diameter				
	Seat binder	Alloy w/integral b	oolt		35.0 clar	np diameter				
	Additionals	2 water bottle mo								
	Colors	Ice Inkwell • Silve	er decals							
	Frame sizes	48	51	54	56	59	62			
Ha	ndlebar width	380	400	420	420	440	460			
110	Stem length	85	95	95	105	115	125			
	Crank length	170	170	172.5	172.5	175	175			
	atpost length	250	250	250	250	250	250			
	Steerer, mm	134	134	134	151	174	204			
	Fork Length	402m	n axle-crowr	race						
	Head angle	72.0	72.5	73.0	73.5	74.0	74.0			
	Seat angle	74.5	73.8	73.3	72.0	72.0	72.0			
MM	Standover	727	744	750	769	797	880			
IALIAI	Seat tube	480	510	540	560	590	620			
	Head tube	85	85	85	102	125	155			
	Eff top tube	510	527	545	565	585	605			
	Reach	595	622	640	670	700	730			
	Chainstays	408	408	410	410	412	412			
	BB height	264	264	266	266	268	268			
	Offset	N22455	47	45	45	43	43			
	Trail	61	58	57	54	53 996	53 1015			
	Wheelbase	961	967	979	978	996	1015			
IN	Standover	28.62	29.29	29.53	30.28	31.38	34.65			
TIA	Seat tube	18.90		21.26	22.05	23.23	24.41			
	Head tube	3.35	3.35	3.35	4.02	4.92	6.10			
	Eff top tube	20.08		21.46	22.24	23.03	23.82			
	Reach	23.42	24.49	25.20	26.38	27.56	28.74			
	Chainstays			16.14	16.14	16.22	16.22			
	BB height			10.47	10.47	10.55	10.55			
	Offset		1.85	1.77	1.77	1.69	1.69			
	Trail		2.27	2.23	2.11	2.07	2.07 39.96			
	Wheelbase	37.83	38.07	38.54	38.50	39.21	טפיפכ			
		25								

	Main tubes	OCLV carbon							
	Stays								39 53
	Fork								<b>12</b> 86 117
	Headset	Shimano Ultegra			20.010	00/05 1 05			
	Handlebars	ICON 2014				0.2/26.4, 37			<b>13</b> 79 108
	Stem	3T Evol 2002 for	and from t	and .		n clamp dia	meter		<b>14</b> 74 100
	Grips	Cork, black	ged from it	Jau	ZZ.Zmr	n insertion			<b>15</b> 69 93
	Shifters	Shimano Dura-Ac	a CTI Dual	Control					
	Front derailleur	Shimano Dura-Ac		Control	D	n n			<b>16</b> 64 88
	Rear derailleur	Shimano Dura-Ac	~		Down	oull, Braze-c	in type		<b>17</b> 61 82
4.5	Brakes								<b>19</b> 54 74
	Brake levers	combi brake/shift	C						
	Crankset		e 53/30		120mm	bolt hole c	ivala		<b>21</b> 49 67
B	ottom bracket	Diminario Dana / te			68 x 10		ircie		<b>23</b> 45 61
	Pedals			lecc	9/16" a				
	Cassette			1033	9 spd	ixie			
	Chain	Shimano Dura-Ac				gth, 9 speed	1:		17.9 lb.
	Front hub	Rolf Aero, Salsa F			ioo icii	gtii, a speet	width		8.13kg
	Front tire	Continental Grand	l Prix 3000	folding	700 x 2	) F.c			
	Rear hub	Rolf Aero, Salsa F		, rolaling		lide cassette	0 cmd 120	leases O.I. D.	
	Rear tire		Prix 3000	folding	700 x 2		, 9 spa, 130	mm O.L.D.	
	Tubes			, rolaling	700 X 2	, , , ,			
	Front Rim	Araya Super Aero			Custom	drilled 507	EPD Vol	ox 16mm rim	tulu
	Rear Rim		SA-530C		Custom	drilled 507	E.R.D., Vell	ox 16mm rim	1 Strip
	Spokes		lade stainl	ess flat washer	Rolf all	w self-locki	a nipple	ox romin min	i strip
		and the parties of	adde, seami	ess ride wasiici,	14 snok	e Radial Fro	nt 16 spok	e 1v Door	
						9/287 (D/NI		C IX KCal	
	Saddle	Selle Bassano Vue	lta, 531 rai	ls/leather cover	205, 20	3/20/ (5/14)	<i>J</i> ,		
	Seatpost	Thomson Elite				ı diameter			1
	Seat binder	Alloy w/integral be	olt			mp diamete	r		1
	Additionals	2 water bottle mo	unts						1
	Colors	USPS Team • Red	/White/Blue	e decal					
	Frame sizes andlebar width Stem length	50 400 85	52 400 95	54 420 95	56 420 105	58 440 115	60 440 125	62 460 135	
	Crank length	170	170	172.5	172.5	175	175	175	
30	eatpost length	250	250	250	250	250	250	250	
	Steerer, mm	146	146	154	171	189	208	227	
	Fork Length	370mm	axle-crown	race					
	Head angle	72.0	72.5	73.0	73.8	73.8	74.0	74.0	
	Seat angle	75.0	75.0	74.0	73.5	73.0	73.0	72.5	
MM	Standover	749	759	773	793	811	830	848	
	Seat tube	500	520	540	560	580	600	620	
	Head tube Eff top tube	97	97	104	121	140	158	177	
	Reach	518	528	545	560	570	580	590	
	Chainstays	603	623	640	665	685	705	725	
	BB height	408 266	408 266	410 266	410	412	412	412	
	Offset	47	47		268 45	268	268	268	
	Trail	61	58		52	45 52	43 53	43 53	
	Wheelbase	977	980		988	996	1003		
			300	303	300	330	1003	1008	
IN	Standover	29.49	29.88		31.22	31.93	32.68	33.39	
	Seat tube	19.69	20.47		22.05	22.83	23.62	24.41	
	Head tube	3.82	3.82		4.76	5.51	6.22	6.97	
	Eff top tube	20.39	20.79		22.05	22.44	22.83	23.23	
	Reach	23.74	24.53		26.18	26.97	27.76	28.54	
	Chainstays BB height	16.06	16.06		16.14	16.22	16.22	16.22	
	Offset	10.47	10.47		10.55	10.55	10.55	10.55	
	Trail	1.85	1.85		1.77	1.77	1.69	1.69	
	Wheelbase	2.39 38.46	2.27		2.05	2.05	2.07	2.07	
	· · · · · · · · · · · · · · · · · · ·	30.40	38.58	38.78	38.90	39.21	39.49	39.69	

				_			20				
	Main tubes	OCLV carbon								20 52	
	Stays	A CONTROL OF THE PARTY OF THE P							A Control	39 53	
	Fork								12	86 117	
	Headset	SACRESSION CONT. SECTION SECTI	4		22 2/30	2/26.4.35	2mm stack		13	79 108	4
	Handlebars		2.ª			clamp diar					1
	Stem		ged front lo	ad		insertion	riccei		14	74 100	
	Grips	Cork, black							15	69 93	
	Shifters	Shimano Ultegra	STI Dual Co	ontrol					16	64 88	1
	Front derailleur	Shimano Ultegra			Down p	ull, Braze-o	n type		17		1
	Rear derailleur	Shimano Ultegra								61 82	1
	Brakes	Shimano Ultegra							19	54 74	1
	Brake levers	combi brake/shift	- Company						21	49 67	
D	Crankset	Shimano Ultegra	53/39			bolt hole c	ircle		23	45 61	
D	Ottom pracket	Shimano Ultegra	CDD 11 1		68 x 109					45 01	
		Shimano Ultegra		S	9/16" ax	de					٦
	Chain	Shimano Ultegra Shimano HG92	12-23		9 spd	rth O spans	l vidalela			19.6 lb.	1
	Front hub	Shimano Ultegra			ioo ieng	jth, 9 speed	wiatri			8.90kg	1
	Front tire	Continental Grand	1 Prix 3000	folding	700 x 2!	5c					1
	Rear hub	Shimano Ultegra	1111/1000	, roluling			, 9 spd, 130	mm OlD			1
	Rear tire	Continental Grand	Prix 3000	, folding	700 x 2!		, 5 spa, 150	mm o.c.b.			1
	Tubes	Presta valve		,	7.00.77.22.						1
	Front Rim	Mavic CXP21			598.5 E.	R.D., Velox	16mm rim s	strip			1
	Rear Rim	Mavic CXP21					16mm rim				1
	Spokes	DT 14/15G butted	l stainless		28 spoke	3x Front,	32 spoke 3x	Rear			1
		ADDILLOS ORGINA DELLOS	West desired the	no word an		2/294 (D/NI	D)				1
	Saddle	Selle Bassano Vue	lta, 531 rail	ls/leather cov		1997 777					1
	Seatpost	Thomson Elite	7.			diameter					1
	Seat binder Additionals	Alloy w/integral b 2 water bottle mo	Olt		35.0 clar	mp diamete	r				
	Colors	Ice Roja • White of									1
	001013	rice Roja • Wille (	iecai								
											ı
	Frame sizes	50	52	54	56	58	60	62			ı
H	andlebar width	400	400	420	420	440	440	460			1
	Stem length	85	95	95	105	115	125	135			ı
	Crank length	170	170	172.5	172.5	175	175	175			1
2	eatpost length	250	250	250	250	250	250	250			1
	Steerer, mm	144	144	151	168	187	206	224			ı
	Fork Length	370mm	axle-crown	urace							
	Head angle	72.0	72.5	73.0	73.8	73.8	74.0	74.0			
	Seat angle	75.0	75.0	74.0	73.5	73.0	73.0	72.5			
ИM	Standover	749	759	773	793	811	830	848			1
	Seat tube	500	520	540	560	580	600	620			1
	Head tube	97	97	104	121	140	158	177			
	Eff top tube	518	528	545	560	570	580	590			
	Reach	603	623	640	665	685	705	725			ı
	Chainstays	408	408	410	410	412	412	412			
	BB height	266	266	266	268	268	268	268			
	Offset	47	47	47	45	45	43	43			
	Trail Wheelbase	61 977	58 980	55 005	52	52	53	53			
	Wilceibase	977	980	985	988	996	1003	1008			
ΙΝ	Standover	29.49	29.88	30.43	31.22	31.93	32.68	33.39			1
	Seat tube	19.69	20.47	21.26	22.05	22.83	23.62	24.41			
	Head tube	3.82	3.82	4.09	4.76	5.51	6.22	6.97			
	Eff top tube	20.39	20.79	21.46	22.05	22.44	22.83	23.23			
	Reach	23.74	24.53	25.20	26.18	26.97	27.76	28.54			
	Chainstays	16.06	16.06	16.14	16.14	16.22	16.22	16.22			
	BB height	10.47	10.47	10.47	10.55	10.55	10.55	10.55			
	Offset	1.85	1.85	1.85	1.77	1.77	1.69	1.69			
	Trail	2.39	2.27	2.15	2.05	2.05	2.07	2.07			
	Wheelbase	38.46	38.58	38.78	38.90	39.21	39.49	39.69			

220		OUR PRICE	<b>\$</b>	
Main tubes	OCLV carbon			30 42 52
Stays			72	
Fork	rearr carson classic		12	66 93 115
Headset		22.2/30.2/26.4, 33.7mm stack	13	61 85 106
Handlebars	I SECTION INCOME.	26.0mm clamp diameter	14	57 79 98
Stem	and a source of the source of	22.2mm insertion	15	
Grips				53 74 92
Shifters	The state of the s	need No. 1927	17	47 65 81
ront derailleur	- minimum of cegina filipie	Down pull, Braze-on type	19	42 58 72
Rear derailleur Brakes	- Third Giregia GD		21	
Brake levers			Control of the last	38 53 65
Crankset		74/120 1-1-1-1-1-1	23	35 48 60
ottom bracket		74/130mm bolt hole circle	25	32 44 55
Pedals	3	68 x 118 9/16" axle		
Cassette		9 spd		
Chain		108 length, 9 speed width		20.1 lb.
Front hub	emmano masa	100 length, 3 speed width		9.13kg
Front tire	ommune ortegra	700 x 25c		
	Shimano Ultegra	HyperGlide cassette, 9 spd, 130mm O.L.D.		
Rear tire	Continental Grand Prix 3000, folding	700 x 25c		
Tulesa	p	100 A LISC		

Tubes | Presta valve Front Rim | Mavic CXP21 598.5 E.R.D., Velox 16mm rim strip Rear Rim | Mavic CXP21 598.5 E.R.D., Velox 16mm rim strip **Spokes** DT 14/15G butted stainless 32 spoke 3x Front, 32 spoke 3x Rear 295, 292/294 (D/ND) Saddle | Selle Bassano Vuelta, 531 rails/leather cover Seatpost | Thomson Elite Seat binder | Alloy w/integral bolt **Additionals** 2 water bottle mounts Colors | Ice RC Blue • Gold decal

27.2mm diameter 35.0 clamp diameter

	Frame sizes		50	52	54	56	58	60	50
н	landlebar width		400	400	420	420	440	60	62
	Stem length		85	95	95	105	115	440	460
	Crank length		170	170	172.5	172.5		125	135
9	Seatpost length		250	250	250	250	175 250	175	175
	Steerer, mm		142	142	150	167	186	250	250
	Ottorier, mini		142	142	150	107	186	204	223
	Fork Length		370mm a	xle-crown rac	ce				
	Head angle	100	72.0	72.5	73.0	73.8	73.8	74.0	74.0
	Seat angle	()	75.0	75.0	74.0	73.5	73.0	73.0	72.5
MM	Standover		749	759	773	793	811	830	848
	Seat tube	i i	500	520	540	560	580	600	620
	Head tube	Ç	97	97	104	121	140	158	177
	Eff top tube	9	518	528	545	560	570	580	590
	Reach	(	503	623	640	665	685	705	725
	Chainstays		408	408	410	410	412	412	412
	BB height		266	266	266	268	268	268	268
	Offset	2	15	45	45	45	45	45	45
	Trail	(	53	60	57	52	52	51	51
	Wheelbase	0	977	980	985	988	996	1003	1008
IN	Standover		29.49	29.88	30.43	31.22	31.93	32.68	33.39
TIA	Seat tube		19.69	20.47	21.26	22.05	22.83	23.62	24.41
	Head tube		3.82	3.82	4.09	4.76	5.51	6.22	6.97
	Eff top tube		20.39	20.79	21.46	22.05	22.44	22.83	23.23
	Reach		23.74	24.53	25.20	26.18	26.97	27.76	28.54
	Chainstays		16.06	16.06	16.14	16.14	16.22	16.22	16.22
	BB height		10.47	10.47	10.47	10.55	10.55	10.55	10.55
	Office			10.47		(0.55	10.33	10.33	10.33

1.77

2.23

38.78

1.77

2.05

38.90

1.77

2.05

39.21

1.77

1.99

39.49

1.77

1.99

39.69

Main tubes	OCLV carbon					•		39 53
Stays								
Fork								<b>12</b> 86 117
Headset				22 2/30 2/	/26.4, 33.7n	ım stack		<b>13</b> 79 108
Handlebars					lamp diame			
	3T Evol 2002 forge	d front load	ł	22.2mm ir				ACCES NAME OF SECOND
Grips	Cork, black							<b>15</b> 69 93
Shifters	Campagnolo Veloce	Ergopower	£1.					<b>16</b> 64 88
Front derailleur	Campagnolo Veloce			Down pull	l, Braze-on	type		<b>17</b> 61 82
Rear derailleur	Campagnolo Veloce							
Brakes								<b>19</b> 54 74
Brake levers	comor brance since							<b>21</b> 49 67
Crankset					olt hole circ	e		23 45 61
Bottom bracket				68 x 111				45 01
Pedals	) ( TENERAL STATE OF THE STATE			9/16" axle	•			
Cassette		TVe 12-23		9spd	0 1	* 1.1		19.9 lb.
Chain Front hub	Campagnolo 09VL			108 lengti	1, 9 speed w	natn		9.03kg
Front tire	Campagnolo Veloce Continental Grand I		Coldina	700 x 25c				
Rear hub			olaing			oeed, 130mr	m O I D	
Rear tire			oldina	700 x 25c		accu, 150iiii	11 0.L.D.	
Tubes		117 3000, 1	olding	700 X 23C				
Front Rim				602 E.R.D	Velox 16n	ım rim strip		
Rear Rim	Mavic Reflex					ım rim strip		
Spokes	DT 14/15G butted s	stainless				spoke 3x R	ear	
	Control Model Acceptant Acceptance				297 (D/ND)	•		
Saddle	Selle Bassano Vuelta	a, 531 rails/	leather cover					
Seatpost				27.2mm d				
Seat binder				35.0 clam	p diameter			
Additionals								
Colors	Team Yellow Pearl	Black dec	al					
Frame sizes	50	52	54	56	58	60	62	
Handlebar width	400	400	400	420	440	440	460	
Stem length	85	95	95	105	115	125	135	
Crank length	170	170	172.5	172.5	175	175	175	
Seatpost length	250	250	250	250	250	250	250	
Steerer, mm	142	142	150	167	186	204	223	
		520						
Fork Length		ıxle-crown ı					And the second	
Head angle Seat angle	72.0	72.5	73.0	73.8	73.8	74.0	74.0	
	75.0 749	75.0 759	74.0 773	73.5 793	73.0 811	73.0 830	72.5 848	
MM Standover Seat tube	500	520	540	560	580	600	620	
Head tube	97	97	104	121	140	158	177	
Eff top tube	518	528	545	560	570	580	590	
Reach	603	623	640	665	685	705	725	
Chainstays	408	408	410	410	412	412	412	
BB height	266	266	266	268	268	268	268	
Offset	47	47	47	45	45	43	43	
Trail	61	58	55	52	52	53	53	
Wheelbase	977	980	985	988	996	1003	1008	
Chandeness	20.10	20.00	20.12	24.02	21.02	22.50	22.20	
IN Standover Seat tube	29.49	29.88	30.43	31.22	31.93	32.68	33.39	
Head tube	19.69	20.47	21.26	22.05	22.83	23.62 6.22	24.41 6.97	
Eff top tube	3.82 20.39	3.82 20.79	4.09 21.46	4.76 22.05	5.51 22.44	22.83	23.23	
Reach	23.74	24.53	25.20	26.18	26.97	27.76	28.54	
Chainstays	16.06	16.06	16.14	16.14	16.22	16.22	16.22	
BB height	10.47	10.47	10.47	10.55	10.55	10.55	10.55	
Offset	1.85	1.85	1.85	1.77	1.77	1.69	1.69	
Trail	2.39	2.27	2.15	2.05	2.05	2.07	2.07	
Wheelbase	38.46	38.58	38.78	38.90	39.21	39.49	39.69	

**OUR PRICE:** \$

Offset

Wheelbase

Trail

1.77

2.47

38.46

1.77

2.35

38.58

65

Main tubes	Trek butted carb	on							39 53
Stays								Take No. 1	27 22
Fork		rammam						12	86 117
Headset				22 2/30	.2/26.4, 33.	7mm stack		13	79 108
Handlebars					clamp diar			14	
Stem					insertion				74 100
Grips								15	69 93
Shifters		STI Dual Co	ntrol					16	64 88
Front derailleur				Down p	ull, 34.9mm	1/1 3/8"		17	Example 1 (Dec
Rear derailleur									61 82
Brakes	- Chillian Concegna							19	54 74
Brake levers	Comor Sidire Simi							21	49 67
Crankset		53/39		130mm	bolt hole ci	ircle		23	
Bottom bracket				68 x 10				23	45 61
Pedals	J		5	9/16" a:	xle			12	
Cassette		12-23,		9 spd					Company of the Company
Chain				106 len	gth, 9 speed	l width			21.2 lb.
Front hub									9.62kg
Front tire	Continuented Citin	d Prix 3000,	folding	700 x 2		WW N DOWN	1 Reports 50,1077		
Rear hub		ID: 200	C 1.1:			, 9 spd, 128	mm O.L.D.		
Rear tire			Tolding	700 x 2	5C				I
Tubes Front Rim	Treater rentel direct	nght		E00 = =	DD W				l
Rear Rim						16mm rim			
Spokes	Trick the Contract	d				16mm rim			
Showes	DT 14/15G butte	a stainless				32 spoke 3x	Rear		
Saddle	Selle Bassano Vu	olto E21 voil	c/loothor oo		2/294 (D/NI	ונ			
Seatpost		eita, 551 Taii	s/leather cov		diameter				
Seat binder		m allon Me	v 2E	27.211111	diameter				
Additionals									
Colors	E mater bottle in								
			ange accar						1
Frame sizes Handlebar width Stem length Crank length Seatpost length Steerer, mm	380 70 170 250	50 400 70 170 250 128	52 400 90 170 250 147	54 420 100 172.5 250 167	56 420 115 172.5 250	58 440 115 175 250	60 440 130 175 250	62 460 130 175 250	
				167	187	206	226	235	
Fork Length Head angle		n axle-crown		72.5	72.5	70 -	70.5		
Seat angle		73.0	73.0	73.5	73.5	73.5	73.5	74.0	
01 1		73.5 753	73.5 771	73.5 792	73.5 811	73.5	73.5	73.5	
MM Standover Seat tube		500	520	540	560	829 580	848 600	858 620	
Head tube		86	104	124	145	165	183	193	
Eff top tube		530	530	550	550	570	570	585	, ca
Reach		600	620	650	665	685	700	715	
Chainstays		415	415	415	415	415	415	415	
BB height		267	267	267	267	267	267	267	l l
Offset	47	47	47	45	45	45	43	43	
Trail	58	55	55	54	54	54	56	53	
Wheelbase		972	972	984	984	1004	1004	1014	
							28 E E	900,600 B	
IN Standover		29.65	30.35	31.18	31.93	32.64	33.39	33.78	
Seat tube		19.69	20.47	21.26	22.05	22.83	23.62	24.41	
Head tube		3.39	4.09	4.88	5.71	6.50	7.20	7.60	
Eff top tube		20.87	20.87	21.65	21.65	22.44	22.44	23.03	
Reach		23.62	24.41	25.59	26.18	26.97	27.56	28.15	
Chainstays	1,555 (10 to 10 to	16.34	16.34	16.34	16.34	16.34	16.34	16.34	
BB height		10.51	10.51	10.51	10.51	10.51	10.51	10.51	
Offset	.0745555	1.85	1.85	1.77	1.77	1.77	1.69	1.69	
Trail		2.15	2.15	2.11	2.11	2.11	2.19	2.07	1
Wheelbase	37.91	38.27	38.27	38.74	38.74	39.53	39.53	39.92	

				mon.							
N.	/lain tubes	Trek butted carbo	n e				7/2			32 42 52	2
IV	Stays	Easton tapered al									-
	Fork	ICON Carbon Clas							13	55 85 10	)6
	Headset	Tange Seiki CDS	SIC		22 2/30	2/26.4, 33.7	mm stack		14	50 79 98	3
H	landlebars	1CON 6061				clamp diam				56 74 92	
	Stem	KWG alloy, 90°				insertion			- AL		4
	Grips	Cork, black							16	63 69 86	ō
	Shifters	Campagnolo Velo	ce Ergopow	er					17	50 65 81	
	t derailleur	Campagnolo Velo			Down pr	ıll, 34.9mm/	1 3/8"		19	15 58 72	,
Real	r derailleur	Campagnolo Velo	ce								W-11
	Brakes	Campagnolo Velo	ce						-10-0	88 50 63	3
Br	ake levers	combi brake/shift	N 8		36		0.00		23	37 48 60	)
	Crankset	Campagnolo Velo				ım bolt hole	circle		26	33 43 53	3
Botto	om bracket	Campagnolo Velo			68 x 115						
	Pedals Cassette	Look CR2, cliples			9/16" ax 9spd	ae					
	Chain	Campagnolo Exa- Campagnolo 09V		B.		jth, 9 speed	width			22.3 lb.	
	Front hub	Campagnolo Velo			100 10116	jui, o specu	Width			10.12kg	11
	Front tire	Continental Grand		folding	700 x 2!	ōc					
	Rear hub	Campagnolo Velo		ioiaiiig		cassette, 9	speed, 128r	nm O.L.D.			
	Rear tire	Continental Gran		folding	700 x 25		MQ 15				
	Tubes	Presta valve	ut suseme 265/24.0658/19	•							
	Front Rim	Mavic Reflex				D., Velox 16					
	Rear Rim	Mavic Reflex				D., Velox 16					
	Spokes	DT 14/15G butte	d stainless			3x Front, 2		Rear			
	Cadalla	C II D W	L 501 1	п		5/297 (D/ND	)				
	Saddle Seatpost	Selle Bassano Vuo PM501 Custom	erra, 531 ran	s/leatner cove		diameter					
c	eat binder	System Road, 5m	m allen M6	v 25	27.211111	diameter					
	Additionals	2 water bottle me									
an The	Colors	Titanium • Violet		nounts							
		7155	313.331								
Hand S Cra Seat	rame sizes llebar width item length ank length post length teerer, mm	47 380 70 170 250 128	50 400 70 170 250 128	52 400 90 170 250 147	54 420 100 170 250 167	56 420 115 175 250 187	58 440 115 175 250 206	60 440 130 175 250 226	62 460 130 175 250 235		
			g.								
	ork Length Tead angle		n axle-crown		72 5	72 E	73.5	73.5	74.0		
	Seat angle	72.5 73.5	73.0 73.5	73.0 73.5	73.5 73.5	73.5 73.5	73.5	73.5	73.5		
	Standover	724	753	771	792	811	829	848	858		
IVIIVI	Seat tube	470	500	520	540	560	580	600	620		
	Head tube	86	86	104	124	145	165	183	193		
	ff top tube	518	530	530	550	550	570	570	585		
	Reach	585	597	616	646	660	680	695	710		
	Chainstays	415	415	415	415	415	415	415	415		
	BB height	267	267	267	267	267	267	267	267		
	Offset	47	47	47	43	43	43	43	43		
	Trail Wheelbase	60	57	57 972	58 984	58 984	58 1004	58 1004	55 1014		
	vv iieeinase	963	972	972	904	704	1004	1004	1014		
IN	Standover	28.50	29.65	30.35	31.18	31.93	32.64	33.39	33.78	3	
	Seat tube	18.50	19.69	20.47	21.26	22.05	22.83	23.62	24.41		
	<b>Head tube</b>	3.39	3.39	4.09	4.88	5.71	6.50	7.20	7.60		
E	Iff top tube	20.39	20.87	20.87	21.65	21.65	22.44	22.44	23.03		
	Reach	23.02	23.50	24.25	25.43	25.99	26.78	27.35	27.95		- 1
	Chainstays	16.34	16.34	16.34	16.34	16.34	16.34	16.34	16.34		- 1
	BB height	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51		
	Offset Trail	1.85	1.85	1.85	1.69 2.27	1.69 2.27	1.69 2.27	1.69 2.27	1.69 2.15		- 1
	Wheelbase	2.36	2.23 38.27	2.23 38.27	2.27 38.74	38.74	39.53	39.53	39.92	)	
	wileemase	37.91	30.27	30.27	20.74	20.74	22.23	ود.ود	22,32	51	

2100					0	UR P	RICE	: \$		
Main tube	Trek butted car	bon						2,33	42	52
Stay								77		
For	k ICON Carbon C	lassic						11	103	128
Headse		ssage			.2/26.4, 30.			13	87	108
Handlebar	The content of the content of				ı clamp diar	neter		15	76	94
Ster				22.2mm	n insertion			17	67	02
Grip Shifter		TID IC .	1					15.3		
Front deraille			roi	D		11 2/0"		19	60	74
Rear derailleu		10		Down p	ull, 34.9mm	1/13/8		21	54	67
Brake								24	47	59
Brake lever	Similario Non	ift						- 1	77	33
Crankse				130mm	bolt hole ci	ircle				
<b>Bottom bracke</b>				68 x 11		ircic				
Pedal				9/16" a						
Cassett	e Shimano HG50			7 spd				21.9 1	b.	
Chai					gth, 3/32"			9.94kg	g	
Front hu	<b>b</b> Shimano RSX			.00	9					
Front tir		oer Sport		700 x 2	5c					
Rear hu				HyperGl	ide Compac	t cassette, 7	speed, 128	mm O.L.D.		
Rear tir		oer Sport		700 x 2	5c		527.0			
Tube										
Front Rin	TATALLINE ASSESSMENT				.D., Velox 1					
Rear Rin					.D., Velox 1					
Spoke	S DT 14G stainles	55			e 3x Front,		Rear			
Cadall	6 C II D V			297, 29	4/296 (D/NI	D)				
Saddl		ision, Cro-Mc	oly rails							
Seatpos Seat binde		11 346	2.5	27.2mm	diameter					
Additional										
Color	a march bottle			ล้						
	Tellow Tearly link	Well a Tellow	THRWCH UCC	11						
Frame size	s 47	50	52	54	56	58	60	62		
Handlebar widt	h 380	400	400	420	420	440	440	440		
Stem lengt	<b>h</b> 70	70	90	100	115	115	130	130		
Crank lengt	<b>h</b> 170	170	170	170	170	175	175	175		
Seatpost lengt		250	250	250	250	250	250	250		
Steerer, mn	n 125	125	144	164	184	203	223	232		
Fork Length	1000	nm axle-crowr		// ##		Name and the second				
Head angle		73.0	73.0	73.5	73.5	73.5	73.5	74.0		
Seat angle Standove			73.5	73.5	73.5	73.5	73.5	73.5		
Standove Seat tub		753	771	792	811	829	848	858		
Head tub	M100000	500	520	540	560	580	600	620		
Eff top tub		86 530	104	124	145	165	183	193		
Reach		600	530 620	550 650	550 665	570	570	585		
Chainstay		415	415	650 415	665 415	685	700	715		
BB heigh		267	267	267	267	415	415	415		
Offse		47	47	43	43	267 43	267 43	267 43		
Trai		57	57	58	58	58	58	43 55		
Wheelbase		972	972	984	984	1004	1004	1014		
Standove	r 28.50	29.65	30.35	31.18	31.93	32.64	33.39	33.78		
Seat tube	18.50		20.47	21.26	22.05	22.83	23.62	24.41		
Head tube	3.39		4.09	4.88	5.71	6.50	7.20	7.60		
Eff top tube	20.39		20.87	21.65	21.65	22.44	22.44	23.03		
Reach		23.62	24.41	25.59	26.18	26.97	27.56	28.15		
Chainstay	16.34	16.34	16.34	16 34	16 34	16 34	16.34	16.34		

Ma	in tubes	Easton Program al	uminum				172			30	42	52
	Stays	Easton tapered alu							7.7			
	Fork	Trek epoxy bonded	l aluminun	1					11			128
	Headset	Tange Seiki Passag	e			2/26.4, 30.9			13	62	87	108
Har	ndlebars Stem	ICON 6061				clamp dian	neter		15	54	76	94
	Grips	KWG alloy, 90° Cork, black			22.2mm	insertion			18	45	63	78
	Shifters	Shimano RSX STI I	Qual Contro	ol					21		54	
	derailleur	Shimano RX-100	Juan Contro	21	Down pu	ıll, 34.9mm	/1 3/8"					
	lerailleur	Shimano RSX GS			p		, , = 10		24	34	47	59
	Brakes	Shimano RSX							28	29	41	50
	ce levers	combi brake/shift										
	rankset		./42/30			ım bolt hol	e circle					
Bottom	bracket	Shimano BB-LP27		Tr.	68 x 118							
	Pedals Cassette	Alloy/alloy cage w/ Shimano HG50C 1		straps	9/16" ax	le			22	2.6 lb.		
	Chain	Shimano HG50C 1	1-20		7spd	th, 3/32"			10	).26kg	J	
Fr	ont hub	Shimano RSX			TOO TENG	ui, 5/32						l
	ront tire	Continental Super	Sport 100		700 x 28	3c						
R	Rear hub	Shimano RSX					t cassette, 7	speed, 12	3mm O.	L.D.		
	Rear tire		Sport 100		700 x 28					0000000		
	Tubes	Presta valve	1									
	ont Rim	100000000000000000000000000000000000000					5mm rim stı					
R	ear Rim						5mm rim stı					
	Spokes	DT 14G stainless					32 spoke 3x	Rear				
	Saddle	Collo Danson V.	C 14 1	h . wall-	297, 294	/296 (D/NE	))					
	Saddle Seatpost	Selle Bassano Visio PM501 Custom	n, Cro-Mol	y rails	27 2	diameter						
	t binder		allen M6	v 25	27.211111	diameter						
	ditionals	2 water bottle mo										
	Colors	lce Earth Green • '										
Handleb	me sizes par width	47 380	50 400	52 400	54 420	56 420	58 440	60 440	62 440	)		
	m length	70	70	90	100	115	115	130	130			
	k length	170	170	170	172.5	172.5	175	175	175			
	st length rer, mm	250	250	250	250	250	250	250	250			
2166	iei, iiiii	125	125	144	164	184	203	223	232	li .		
Fork	Length	370mm	axle-crown	race								
Hea	ad angle	72.5	73.0	73.0	73.5	73.5	73.5	73.5	74.	0		
	at angle	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.	5		
	andover	724	753	771	792	811	829	848	858	3		
	eat tube	470	500	520	540	560	580	600	620			
	ad tube	86	86	104	124	145	165	183	193			
CITT	top tube Reach	518 505	530	530	550 646	550	570	570	585			
Ch	ainstays	585 415	597 415	616 415	646 415	660 415	680 415	695 415	710 415			
	B height	267	267	267	267	267	267	267	267			
	Offset	47	47	47	43	43	43	43	43			
	Trail	60	57	57	58	58	58	58	55			
Wh	neelbase	963	972	972	984	984	1004	1004	101	4		
	andover	28.50	29.65	30.35	31.18	31.93	32.64	33.39	33.			
	eat tube	18.50	19.69	20.47	21.26	22.05	22.83	23.62	24.			
8.8	ad tube	3.39	3.39	4.09	4.88	5.71	6.50	7.20	7.6			
	top tube Reach	20.39	20.87	20.87	21.65	21.65	22.44	22.44	23.			
		23.02 16.34	23.50 16.34	24.25 16.34	25.43 16.34	25.99 16.34	26.78 16.34	27.35 16.34	27. 16.			
Eff		10.34				10.51	10.54	10.54	10.			
Eff :	ainstays		10.51	(1)5	[1.3]							
Eff :	ainstays B height	10.51	10.51 1.85	10.51 1.85	10.51 1.69							
Eff Cha BE	ainstays		10.51 1.85 2.23	1.85 2.23	1.69 2.27	1.69 2.27	1.69 2.27	1.69 2.27	1.6	9		

Chainstays

BB height

Wheelbase

Offset

Trail

16.34

10.51

1.85

2.36

37.91

16.34

10.51

1.85

2.23

38.27

16.34

10.51

1.85

2.23

38.27

16.34

10.51

1.69

2.27

38.74

16.34

10.51

1.69

2.27

38.74

16.34

10.51

1.69

2.27

39.53

16.34

10.51

1.69

2.27

39.53

16.34

10.51

1.69

2.15

39.92

U	R	P	RI	C	E:	\$
	III //		111 /2 '111"	0		Y

Main tubes   Steps								
Stays   Aero Cr-Moly   Tange Sekir Passage	Mala Aubaa	*1						
Fort   Headstar   Handlebars   Steme								30 42 52
Headset   Handledam   Handle								72 101 125
Name	rork	Aero Cro-Moly			ω.	900		The state of the s
Stem   Co-Moly   Grips   Cot., black   Shifters   Shifters   Shifters   Shifters   Shifters   Shimano RX 100   Shimano RX 1	Headset		e					<b>13</b> 61 85 106
Spirits   Shiftmens   Shiftm		J					neter	<b>15</b> 53 74 92
Shifters   Shimano RX-100   Down pull, 31.8mm/1 1/4"   24   33   46   57					22.2mm	insertion		19 44 62 76
Pront derailleur   Pront derai			. 10					
Rear derailleur   Brakes   Shimano RSX (S   Frake levers   State			Jual Contr	ol		/ss 1000/100	WANT TO WINGSO	<b>21</b> 38 53 65
Brake   Some					Down p	ull, 31.8mm	/1 1/4"	<b>24</b> 33 46 57
Brake levers   Cransket   Suptime Discount   Superior								
Crankset Bottom bracket Shimson BSL-1927   Selsin w(filps and straps   Cassette Chain   Front tire   Rear hub Shimson RSX   Ontinental Super Sport 100   Hongth, 3/32"   11.44kg   11.44								<b>28</b> 40 49
Shimano BB-LP27			110100		and the second		Mark 1990	
Pedals   Cassetts   Chain   Front tire   Chain   Cha	Pottom brooket	Sugino RD5000 52	./42/30				e circle	
Cassette Chain   Cha			SPEC -					
Chain   Front tire   Rear hub   Front tire   Rear hub   Rear tire   Tubes   Front Rim   Rear Rim   Spokes   Statisting						de		25.2 lb
Front tub   Shimano RSX			1-28			u oloon		Geographic South State Communication (Communication Communication Commun
Front tire   Rear hub   Rear fub   Rear hub   Rear fub   Rear f					110 leng	jtn, 3/32		TT.TTKG
Rear lub   Rear tire   Tubes   Front Rim   Rear Rim   Rear Rim   Rear Rim   Rear Rim   Rigida V-Argent   PVC rim strip   PVC			Cnewt 100		700 0	2		
Rear tire   Tubes   Front Rim   Rear Rim   Spokes   Solatines   Saddle   Seatpost   Seat stinder   Additionals   Colors   Titanium • Red decal			sport roo		No contract lines of the	2.00		1 122 01 5
Front Rim Rear Rim Ridd V-Argent Rigida Ri			Sport 100				t cassette, 7 sp	beed, 130mm O.L.D.
Front Rim   Rear Rim   Spokes   Spoke   Spo			sport roo		700 X Z.	30		
Rear Rim   Spokes   Saddle   Seatpost   Seat binder   Additionals   Colors					DVC rim	ctvin		
Spokes   15G stainless   32 spoke 3x Front, 32 spoke 3x Rear   294, 292/293 (D/ND)								
Saddle Seat post Seat binder Additionals Colors  Frame sizes Handlebar width 390 410 410 430 430 430 430 500 100 100 100 120 120 120 120 120 120 1							22 spoka 2v D	onr
Padded   Aldoy micro-adjust   27.2mm diameter   Seat binder   Additionals   Colors		15G Stainiess						Cal
Seath bridger   Additionals   Colors	Saddle	Padded			254, 25	2/233 (D/NL	<i>7</i> )	16
Seat binder   2 water bottle mounts, rack mounts					27 2mm	diameter		
Frame sizes		7 mog miero adjuse			27.211111	diameter		
Frame sizes		2 water bottle mou	ınts, rack ı	nounts				
Handlebar width   390	Colors							
Stem length   Stem length   Stem length   Stem length   Crank length   Seatpost length   Seatpost length   Stem								
Crank length Seatpost length Steerer, mm         170         170         170         170         175         175         175           Steerer, mm         130         130         130         145         165         180           Fork Length Head angle Seat angle         370mm axle-crown race         415         165         180           MM         Standover Seat tube         75.0         75.0         74.0         73.5         73.5         73.0           MM         Standover Seat tube         430         500         540         560         580         600           Head tube Eff top tube         520         520         536         555         565         575           Reach Chainstays         415         415         415         415         415           BB height Offset Trail         266         266         266         266         266         266           0         60         60         54         55         55         55         55           B height Offset Trail         28.07         29.41         30.12         30.91         31.65         32.32           IN         Standover Seat tube Head tube Eff top tube         28.07         29.41		90000000						
Seatpost length   270		8.2						
Steerer, mm		10000000000						
Fork Length   370mm axle-crown race   Head angle   72.5   72.5   72.5   73.5   74.0   74.0   74.0   74.0   75.0   75.0   75.0   74.0   73.5   73.5   73.0   73.0   74.0   75.0   75.0   74.0   73.5   73.5   73.0   73.0   74.0   75.0   75.0   74.0   73.5   73.5   73.0   73.0   74.0   75.0   75.0   75.0   74.0   73.5   73.0		0.000						
Head angle		150	130	130	145	105	100	
Head angle								
No.   Seat angle   75.0   75.0   74.0   73.5   73.5   73.0   73.0		370mm	axle-crown	race				
MM         Standover Seat tube         713         747         765         785         804         821           Seat tube Head tube         430         500         540         560         580         600           Head tube         100         100         115         135         150           Eff top tube         520         520         536         555         565         575           Reach Chainstays         415 <th></th> <th>72.5</th> <th></th> <th>72.5</th> <th>73.5</th> <th>74.0</th> <th>74.0</th> <th>2</th>		72.5		72.5	73.5	74.0	74.0	2
Seat tube		The state of the s				73.5	73.0	
Head tube   100   100   100   115   135   150								
Eff top tube         520         520         536         555         565         575           Reach         596         596         631         651         661         690           Chainstays         415         415         415         415         415         415           BB height         266         282         283         23.32         23.32         23.62<		00000000						
Reach   596   596   631   651   661   690								
Chainstays BB height Offset Trail         415 266         415 266         415 266         415 266         415 266         415 266         426 266         266 266         266								
BB height Offset         266         267         267								
Offset Trail         47         47         47         47         43         43           Wheelbase         980         980         987         989         989         999           IN         Standover Seat tube Head Head Head Head Head Head Head Hea								
Trail Wheelbase 980 980 987 989 989 999  IN Standover Seat tube Head tube 20.47 20.47 21.10 21.85 22.24 22.64 Reach 23.48 23.48 24.86 25.63 26.03 27.18 Chainstays 16.34								
Wheelbase         980         980         987         989         989         999           IN         Standover Seat tube Head tube         16.93         19.69         21.26         22.05         22.83         23.62           Head tube Reach Reach         20.47         20.47         21.10         21.85         22.24         22.64           Chainstays B height Offset Trail         10.47         1								
IN         Standover Seat tube         28.07         29.41         30.12         30.91         31.65         32.32           Head tube         16.93         19.69         21.26         22.05         22.83         23.62           Head tube         3.94         3.94         4.53         5.31         5.91           Eff top tube         20.47         20.47         21.10         21.85         22.24         22.64           Reach         23.48         23.48         24.86         25.63         26.03         27.18           Chainstays         16.34         16.34         16.34         16.34         16.34         16.34           BB height         10.47         10.47         10.47         10.47         10.47         10.47           Offset         1.85         1.85         1.85         1.85         1.69         1.69           Trail         2.36         2.36         2.36         2.11         2.15         2.15								
Seat tube         16.93         19.69         21.26         22.05         22.83         23.62           Head tube         3.94         3.94         4.53         5.31         5.91           Eff top tube         20.47         20.47         21.10         21.85         22.24         22.64           Reach         23.48         23.48         24.86         25.63         26.03         27.18           Chainstays         16.34         16.34         16.34         16.34         16.34         16.34           BB height         10.47         10.47         10.47         10.47         10.47         10.47           Offset         1.85         1.85         1.85         1.85         1.69         1.69           Trail         2.36         2.36         2.36         2.11         2.15         2.15					3,83	303	333	
Seat tube         16.93         19.69         21.26         22.05         22.83         23.62           Head tube         3.94         3.94         4.53         5.31         5.91           Eff top tube         20.47         20.47         21.10         21.85         22.24         22.64           Reach         23.48         23.48         24.86         25.63         26.03         27.18           Chainstays         16.34         16.34         16.34         16.34         16.34         16.34           BB height         10.47         10.47         10.47         10.47         10.47         10.47           Offset         1.85         1.85         1.85         1.69         1.69           Trail         2.36         2.36         2.36         2.11         2.15         2.15			29.41	30.12	30.91	31.65	32.32	
Head tube       3.94       3.94       3.94       4.53       5.31       5.91         Eff top tube       20.47       20.47       21.10       21.85       22.24       22.64         Reach       23.48       23.48       24.86       25.63       26.03       27.18         Chainstays       16.34       16.34       16.34       16.34       16.34         BB height       10.47       10.47       10.47       10.47       10.47         Offset       1.85       1.85       1.85       1.69       1.69         Trail       2.36       2.36       2.36       2.11       2.15       2.15	Seat tube							
Eff top tube         20.47         20.47         21.10         21.85         22.24         22.64           Reach         23.48         23.48         24.86         25.63         26.03         27.18           Chainstays         16.34         16.34         16.34         16.34         16.34         16.34           BB height         10.47         10.47         10.47         10.47         10.47         10.47           Offset         1.85         1.85         1.85         1.85         1.69         1.69           Trail         2.36         2.36         2.36         2.11         2.15         2.15					4.53		5.91	
Chainstays         16.34         16.34         16.34         16.34         16.34         16.34         16.34         16.34         16.34         16.34         16.34         16.34         16.34         16.34         10.47					21.85	22.24	22.64	
BB height Offset Trail         10.47         10.47         10.47         10.47         10.47         10.47         10.47           Trail         2.36         2.36         2.36         2.11         2.15         2.15								
Offset         1.85         1.85         1.85         1.85         1.69         1.69           Trail         2.36         2.36         2.11         2.15         2.15								
Trail 2.36 2.36 2.36 2.11 2.15 2.15								
TANK THE STATE OF								
38.58 38.58 38.86 38.94 39.33								1
	vviideinase	38.58	38.58	38.86	38.94	38.94	39.33	

				_			26		
	Main tubes	Aluminum						4	2 52
	Stays	Aluminum							
	Fork	Aero Cro-Moly							03 128
	Headset	Tange Seiki Passag	e			0/27.0, 30.9		13 8	7 108
	Handlebars	Alloy				26.0mm clamp diameter 22.2mm insertion			5 94
	Stem	Cro-Moly			22.2mm	insertion		<b>17</b> 6'	7 83
	Grips Shifters	Cork, black Shimano RSX STI	Decal Country	1				10000	
Fr	ont derailleur	Shimano RSA 5111	Juai Contr	01	Down n	ull, 31.8mm,	11 1/4"	100000	74
	ar derailleur	Shimano RSX SS			DOWN P	uii, דו הסווני,	/1 1/4	21 5	4 67
	Brakes	Shimano RSX						24 4	7 59
	Brake levers	combi brake/shift							
	Crankset	Shimano RSX 52/4	2		110mm	bolt hole cir	cle		
Bot	tom bracket	Shimano BB-LP27			68 x 110				
	Pedals	Resin w/clips and			9/16" ax	de		24.9 lb.	
	Cassette	Shimano HG50C 1	1-24		7spd	DOWNER TO THE PROPERTY OF		11.30kg	
	Chain Front hub	UG50			110 leng	th, 3/32"		3	
	Front tire	Shimano RSX Continental Super	Sport 100		700 x 2	20			
	Rear hub	Shimano RSX	Sport 100				t cassette, 7 speed,	130mm 0 L D	
	Rear tire	Continental Super	Sport 100		700 x 2		cassette, 7 speed,	130mm O.L.D.	
	Tubes	Presta valve	-port 100		. 00 A Z.				
	Front Rim	Rigida V-Argent			PVC rim	strip			
	Rear Rim	Rigida V-Argent			PVC rim	strip			
	Spokes	15G stainless			32 spok	e 3x Front, 1	32 spoke 3x Rear		
					294, 293	3/293 (D/ND	))		
	Saddle	Padded			20 00	1.00/			
	Seat binder	Alloy micro-adjust			27.2mm	diameter			
	Additionals	2 water bottle mo	unto voole i	mounts					
	Colors	Ice Orange/Silver fa							
	001013	lee orange/silver in	auc • Silve	i uccai					
Har C Sea	Frame sizes ndlebar width Stem length rank length atpost length Steerer, mm	43 390 80 170 270 130	50 410 80 170 270 130	54 410 100 170 270 130	56 430 100 170 270 145	58 430 100 175 270 165	60 430 120 175 270 180		
	Fork Length	0.770							
	Head angle	72.5	axle-crowr 72.5	1 race 72.5	73.5	74.0	74.0		
	Seat angle	75.0	75.0	74.0	73.5 73.5	73.5	73.0		
MM	Standover	713	747	765	785	804	821		
	Seat tube	430	500	540	560	580	600		
	Head tube	100	100	100	115	135	150		
t	Iff top tube	520	520	536	555	565	575		
	Reach Chainstays	596	596	631	651	661	690		
	BB height	415 266	415 266	415 266	415 266	415 266	415 266		
	Offset	47	47	47	47	43	43		
	Trail	60	60	60	54	55	55		
	Wheelbase	980	980	987	989	989	999		
		2 55							
IN	Standover	28.07	29.41	30.12	30.91	31.65	32.32		
	Seat tube	16.93	19.69	21.26	22.05	22.83	23.62		l
	Head tube	3.94	3.94	3.94	4.53	5.31	5.91		
	Eff top tube Reach	20.47	20.47	21.10	21.85	22.24	22.64		
	Chainstays	23.48 16.34	23.48 16.34	24.86 16.34	25.63 16.34	26.03 16.34	27.18 16.34		
	BB height	10.47	10.47	10.47	10.47	10.47	10.47		
	Offset	1.85	1.85	1.85	1.85	1.69	1.69		
	Trail	2.36	2.36	2.36	2.11	2.15	2.15		
	Wheelbase	38.58	38.58	38.86	38.94	38.94	39.33		
						ANV PRO NVIII	1776 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

	Main tubes	True Temper dou	ıble butted (	Cro-Moly			30 42 52
	Stays	Cro-Moly steel					<b>11</b> 74 103 128
	Fork		g				
	Headset					2/26.4, 33.7mm stack	<b>13</b> 62 87 108
	Handlebars					clamp diameter	<b>15</b> 54 76 94
	Stem	KWG alloy, 90°			22.2mm	insertion	<b>17</b> 48 67 83
	Grips Shifters	Cork, natural	archic of the area				
	ront derailleur		bar ends		D	11 21 0 11 1/4"	<b>20</b> 41 57 70
	Rear derailleur		V SGS		Down p	ull, 31.8mm/1 1/4"	<b>23</b> 35 49 61
.,	Brakes	TO SHOULD AND A SHOP TO SHOP THE SHOP THE SHOP					<b>26</b> 31 44 54
	Brake levers			,			
	Crankset	Shimano 105 52	42/30		74/130r	nm bolt hole circle	<b>30</b> 27 38 47
Во	ottom bracket	Shimano BB-UN	52		68 x 118		
	Pedals	Shimano SPD Ma	323 clipless		9/16" ax	de	
	Cassette		11-30		8spd		26.3 lb.
	Chain				114 leng	jth, 3/32"	11.94kg
	Front hub						
	Front tire		r Sport		700 x 2	3c	
	Rear hub	Shimano Deore 1	X 'Silent Clu	tch' HyperGli		t cassette, 8 speed, 135mm O.L.D	
	Rear tire Tubes	The state of the s	er Sport		700 x 2	Зс	
	Front Rim	S. Commission Management	alattad		C10 E D	D. V-l 10	
	Rear Rim					D., Velox 19mm rim strip D., Velox 19mm rim strip	
	Spokes					e 3x Front, 36 spoke 3x Rear	
	Oponeo	DI 140 Stallicss				4/295 (D/ND)	
	Saddle	Selle Bassano To	uring, Cro-M	loly rails, lead		1/233 (6/116)	*
	Seatpost	PM501 Custom		3		diameter	
	Seat binder	Alloy w/integral	oolt		31.9 cla	np diameter	
	Additionals	2 110,000 100,000		Et rear rack i	nounts, rea	r rack	
	Colors	Pearl Navy • Silv	er decal				
	Frame sizes andlebar width Stem length Crank length	17 380 70 170	19 400 90 170	21 420 100 170	23 440 115 175	25 460 130 175	
	eatpost length	250	250	250	250	250	
	Steerer, mm	141	141	141	171	216	
		2.32	10.00	5.755	205	210	
	Fork Length	390m	n axle-crown	race			=
	Head angle	71.0	71.0	71.0	72.0	72.5	
	Seat angle	74.0	74.0	73.5	73.0	72.0	
MM	Standover Seat tube	697 432	727	764	806	852	
	Head tube	90	483 90	533 90	584 120	635 165	
	Eff top tube	540	545	555	566	590	
	Reach	606	630	650	675	714	
	Chainstays	450	450	450	450	450	
	BB height	268	268	268	268	268	
	Offset	52	52	52	52	52	
	Trail	64	64	64	58	55	
	Wheelbase	1044	1046	1054	1052	1062	
TAI	Standover	27.44	20.62	20.00	21.72	22.54	
IN	Seat tube	27.44 17.01	28.62 19.02	30.08 20.98	31.73 22.99	33.54 25.00	
	Head tube	3.54	3.54	3.54	4.72	6.50	
	Eff top tube	21.26	21.46	21.85	22.28	23.23	
	Reach	23.87	24.81	25.57	26.59	28.11	
	Chainstays	17.72	17.72	17.72	17.72	17.72	
	BB height	10.55	10.55	10.55	10.55	10.55	
	Offset	2.05	2.05	2.05	2.05	2.05	
	Trail	2.53	2.53	2.53	2.28	2.15	
	Wheelbase	41.10	41.18	41.50	41.42	41.81	

						¥th			
Main tubes	Trek/True Temper	auetam butta	d Cvo Moh	47				20 40	PA
Stays	Trek/True Temper of							30 42	. 54
Fork	Trek custom Tande		d Cro-wor	/				11 74 10	4 134
Headset	Tange Seiki OV-Al	in Cro-wory		20 6/27 0	/33.0, 40.9	mm stook		13 63 88	113
Handlebars	1CON 6061								
Captain Stem	System 1 Tandem (	Cro-Moly		26.0mm clamp diameter 28.6mm insertion				<b>15</b> 54 76	98
Stoker Stem	System 3 140-180		ro-Moly	27.2mm seatpost			<b>17</b> 48 67	87	
Grips	Trek Comfort	adjustable e	io wory	27.211111 3	curpost			20 41 57	74
Shifters	Shimano Ultegra ba	ar ends							
Front derailleur	Shimano 105	ar crus		Down pul	l, 31.8mm/	1 1/4"		<b>23</b> 36 50	64
Rear derailleur	Shimano Deore XT	SGS		essential franc	,, = ,, = ,,,,,,,,,	101 111 11		<b>26</b> 31 44	57
Brakes	Shimano Deore XT	V with Worl	d Class ada	pters				30 27 38	40
Brake levers	Dia-Compe Stoker	levers		Managan and				21 30	42
Stoker levers	Dia-Compe 287 ae	ro							
Crankset	Sugino SXD-600 Ta	andem 54/42	2/30, Impel	rings, 74/11	Omm bolt	hole circle		42.9 lb.	1
<b>Bottom bracket</b>	Shimano BB-UN72		AL 32 M	68 x 122.	5			19.48kg	
Pedals	1CON clipless			9/16" axle	3			13.46Kg	
Cassette	Shimano HG70-l 1	1-30		8spd					-
Chain	Sachs PC-51			148/112 (	152 on 58,	/53) length, 3	3/32"		
Front hub	Shimano Deore XT								
Front tire	Continental Super			700 x 280					
Rear hub	Shimano Deore XT					cassette, 8 spd	, w/thread	s, 145mm O.L.D.	
Rear tire	Continental Super	Sport 100		700 x 280					
Tubes	Presta valve								
Front Rim	Bontrager Clyde					mm rim strip			
Rear Rim	Bontrager Clyde	x <b>u</b>				mm rim strip			
Spokes	13/14G butted stai	nless				18 spoke 4x F	Rear		
Codella	C II D NO.			289, 288/289 (D/ND)					
Saddle Capt's Seatpost	Selle Bassano Visio		stoker, leath		<b>.</b>				
Stoker Seatpost	Alloy micro-adjust			27.2mm c					
Seat binder	Giani suspension st			27.2mm c					
Additionals	Alloy w/integral bo 6 water bottle mou		(146) front		p diameter				
Colors	Trek Red • Pearl W		740), 110111	ct rear rack	mounts				
001013	TICK NCU - I Call YV	mic uccai							
Frame sizes	50/46		54/50		57/47		58/53		
Handlebar width	420	460	420	460	440	460	440	460	
Stem length	100	140-180	100	140-180	120	140-180	120	140-180	
Crank length	170	170	175	170	175	170	175	170	
Seatpost length	350	330	350	330	350	330	350	330	
Steerer, mm	147		147	330	183	330	183	330	856
	223								
Fork Length	400mm	axle-crown ra	ice						- 1
Head angle	72.0	73.0	72.0	73.0	73.0	73.0	73.0	73.0	
Seat angle	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	
M Standover	753	681	782	748	799	727	820	785	
Seat tube	511	460	551	509	560	478	593	539	
Head tube	101		101		137		137		
Eff top tube	554	703	552	699	573	704	573	720	
Reach Chainstays	649	569	647	565	688	570	688	586	
BB height	430	275	430	075	430	202	430	202	
Offset	275	275	275	275	275	283	275	283	
Trail	60 50	107	60	107	55 49	107	55 49	107	
Wheelbase	1733	107	50 1727	107	1738	107	1758	107	
Wilceibase	1733		1/2/		1730		1730		
Standover	29.65	26.81	30.79	29.45	31.46	28.62	32.28	30.91	
Seat tube	20.12	18.11	21.69	20.04	22.05	18.82	23.35	21.22	
Head tube	3.98	. =	3.98		5.39		5.39	1 1 Ed	
Eff top tube	21.81	27.68	21.73	27.52	22.56	27.72	22.56	28.35	
Reach	25.56	22.41	25.48	22.25	27.08	22.45	27.08	23.08	
Chainstays	16.93		16.93		16.93		16.93		
BB height	10.83	10.83	10.83	10.83	10.83	11.14	10.83	11.14	
Offset	2.36		2.36		2.17		2.17		- 1
March 1998									
Trail Wheelbase	1.98 68.23	4.20	1.98 67.99	4.20	1.94 68.43	4.20	1.94	4.20	

CRUISERS, KIDS, AND BM	X
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Although these bikes may not be particularly expensive, they still deserve a quality assembly. Remember, the customer riding a Mtn. Cub today may be shopping for a Y bike in just a few years!

#### **Bikes and Kids**

Pay particular attention to greasing the threads on these bikes. They are often left out in the yard when it rains, etc. etc.. They may even be ridden in salt water (shudder!). Make sure to grease the stem bolts (all 4 handlebar clamp bolts on BMX style stems), seatpost, and stem insertion, as well as axle nuts.

Also remember that kids bikes must endure hard play and low maintenance. Make sure all the accessories (like chain guards) are aligned and tightened. Also check the chain tension, as this is part of the braking system on a coaster brake equipped bike.

On bikes with training wheels, the correct height of the training wheels depends on the skill of the rider. For new riders just learning: With correct air pressure in the tires and the rider seated on the bike, there should be 3-5mm clearance between the training wheels and the ground with the bike fully upright. As a rider's skill increases, this gap may be increased to allow leaning the bike in corners, and to teach balance.

#### **Redundant Wheel Retention Devices**

With our BMX bikes, do not remove the '2-stage' washers from the front wheel axles. They are redundant retention devices, there to help protect people who neglect to correctly tighten the wheel axle nuts. The portion of the 'tophat' with a smaller diameter fits into the fork's keyhole dropout, while the larger diameter works much like a washer on the outside surface of the fork blade. Make sure they are correctly installed, and instruct the consumer to leave them in place at all times.

#### Rotors

Some models of BMX bikes are equipped with rotors. When equipped with a rotor, a bike with a front brake can have its handle-bars rotated 360° (repeatedly, if you're really good) without catching the brake cable. Bikes with rotors have a specific headset stack with specific washers. Do not attempt to remove headset washers for rotor-equipped bikes.

Also, pay special attention to the brake adjustment on bikes equipped with rotors. Make sure there is adequate possible adjustment of the brake cable tension with the various barrel adjusters involved.

Watch the bearing unit as you rotate the handlebars 360°. It should not move up or down, or tilt. When the brake lever is applied, the rotor should apply the brake firmly while the bearing unit remains parallel to the upper and lower cable stops. If the bearing unit tilts either when the brakes are applied, or when the handlebars are rotated, the rotor needs adjustment.

To adjust the rotor, ensure that both lower barrel adjusters are flush with (do not show above) the lower cable stop, and the bearing unit should be resting on the lower cable stop. Your rear brake adjustment must be made with the bearing unit in this position.

The bearing unit should be parallel to the upper and lower cable stops. If it is tilted, there is slack in one of the cables. Pull each end, one at a time, to see which cable has slack at the bearing unit. Remove the slack through the barrel adjuster. When even pull is achieved, tighten all barrel adjuster locknuts.

1100					U	JK PK	ILE:	<b>&gt;</b>		
Main tubes	Trek/True Temper o	custom butte	ed Cro-Moly					30	42 5	54
Stays	Trek/True Temper of	custom butte	ed Cro-Moly					11 74	104 1	
Fork	Trek custom Tande YST 707SW	m Cro-Moly		20 6/27 0	100 0 40 4					
Handlebars	System 1, 6° bend	allov			/33.0, 40.4 clamp diam					113
	System 1 Tandem (	Cro-Molv		28.6mm i		Cici		<b>16</b> 51	72 9	)2
Stoker Stem	System 3 140-180	adj. Cro-Mo	ly rear	27.2mm s				<b>19</b> 43	60 7	77
	Trek Comfort							<b>22</b> 37	52 6	57
Shifters Front derailleur	GripShift SRT-4.0			D 1	1 01 0 /			<b>26</b> 31	44 5	57
Rear derailleur	Shimano 105 Shimano Deore LX	SGS		Down pul	l, 31.8mm/	1 1/4"		30 27	38 4	19
Brakes	Shimano STX	<i>3</i> <b>G</b> <i>3</i>						27	50 .	
Brake levers	Shimano Alivio									
	Sugino SXD-300 Ta	andem 54/42	2/30		n bolt hole	circle				
Bottom bracket	Shimano BB-UN52			68 x 122.				42.8 lb		
Pedals Cassette	Resin w/clips and s Shimano IG50 11-3	traps		9/16" axlo	2			19.43k		
Chain	Sachs PC-51	50		7spd	152 on 58	/53) length, 1	3/32"	13.13	9	
	Shimano STX Tando	em		140/112 (	132 011 30	Joj ichgui, .	2/22			
Front tire	Trek Invert II, 60TP			700 x 380						
Rear hub	Shimano STX Tande	77.5		HyperGlide	Compact of	assette, 7 spd	l, w/threads	s, 145mm O.1	L.D.	
	Trek Invert II, 60TP	1		700 x 380						
Tubes Front Rim	Presta valve			COA E D D	. V-1 22					
Rear Rim	Bontrager Clyde Bontrager Clyde					mm rim strip mm rim strip				
Spokes	13/14G butted stair	nless				-8 spoke 4x I				
					289 (D/ND		0.500			
Saddle	Selle Bassano Hybri		stoker							
Capt's Seatpost Stoker Seatpost	Alloy micro-adjust			27.2mm d						
Seat binder	PM900 suspension Alloy w/integral bol		o hanger or	27.2mm (		otor				
Additionals	6 water bottle mou					eter				
Colors	Pearl Navy • Silver		,, 10,, 110110	ce rear rack	mounts					
	7				3					
Frame sizes Handlebar width	50/46	500	54/50	500	57/47		58/53	222		
Stem length	580 120	580 140-180	580 120	580 140-180	580 135	580 140-180	580 135	580 140-180	ř	
Crank length	170	170	175	170	175	170	175	170	ģ.	
Seatpost length	350	350	350	350	350	350	350	350		
Steerer, mm	147		147		183		183			
Fork Length	100:00:00	1								
Head angle	400mm a 72.0	axle-crown ra 73.0	72.0	73.0	73.0	73.0	72.0	72.0		
Seat angle	73.0	73.0	73.0	73.0	73.0	73.0	73.0 73.0	73.0 73.0		
MM Standover	753	681	782	748	799	727	820	785		
Seat tube	511	460	551	509	560	478	593	539		
Head tube	101		101		137		137			
Eff top tube	554	703	552	699	573	704	573	720		
Reach Chainstays	631	569	629	565	662	570	662	586		
BB height	430 275	275	430 275	275	430 275	283	430 275	283		
Offset	60	213	60	213	55	203	55	203		
Trail	50	107	50	107	49	107	49	107		
Wheelbase	1733		1727		1738		1758			
IN Standover	29.65	26.81	30.79	29.45	31.46	28.62	32.28	30.91		
Seat tube	20.12	18.11	21.69	20.04	22.05	18.82	23.35	21.22		
Head tube Eff top tube	3.98 21.81	27.68	3.98 21.73	27.52	5.39 22.56	27.72	5.39	20.25		
Reach	24.85	27.68	21.73	27.52	22.56 26.05	27.72 22.45	22.56 26.05	28.35 23.08		
Chainstays	16.93	AL.T	16.93	44.43	16.93	44.49	16.93	25.00		
		10.83	10.83	10.83	10.83	11.14	10.83	11.14		
BB height	10.83	10.00	10.05	10.05	10.05					
Offset	2.36	10.05	2.36	10.65	2.17	ALEXALIA)	2.17	COST T		
		4.20		4.20		4.20		4.20		

# CRUISER COOL BREEZE OUR PRICE: \$

Main tubes	Hi Tensile steel				33
Stays					
Fork					79
Headset				22.2/30.0/27.0	fine diversity from
Handlebars	Cruiser, steel			25.4mm clamp diameter	65
Stem				22.2mm insertion	53
Grips	Kraton				<b>20</b> 43
Shifters	GripShift SRT-4.0 f	or Nexus,	right only		20 43
Brakes	Shimano Revo coas		0 0		
Brake levers					
Crankset	Dotek, 33T			1 piece	35.8 lb.
Bottom bracket	VP-B31W				16.25kg
Pedals				9/16" axle	00000000000000000000000000000000000000
Cassette				Single cog	
Chain				98 length, 1/8"	
Front hub	V.			2000 Part 2 1 4 5 5 5 7 1 4 1	19
Front tire		4		26 x 2.0	
Rear hub Rear tire	Shimano Nexus 4 s Whitewall	peed		Internal 4 speed, Nutted front & rear, 110mm O	.L.D.
Tubes				26 x 2.0	
Front Rim				DV/C vice strice	
Rear Rim				PVC rim strip PVC rim strip	
Spokes	14G stainless			36 spoke 3x Front, 36 spoke 3x Rear	
Spores	1-10 Stailliess			265, 254 (D/ND)	
Saddle	Dual spring			200, 201 (0)(10)	
Seatpost	Steel, chrome plate	d	25.6mm c	liameter	
Seat binder	Jacen, emorne place		2510111111		
Additionals	Kickstand, chaingu	ard			
Colors	Pearl Blue • Gold of				
Frame sizes Handlebar width	17	20	17W		
Stem length	675 40	675 40	675		
Crank length	170	170	40 170		
Seatpost length	300	300	300		
Steerer, mm	156	191	156		
		131	150		¥
					×
Fork Length	386mm	axle-crowr	ı race		
Head angle	69.5	69.5	69.5		
Seat angle	72.8	72.8	72.8		
MM Standover	683	727	526		
Seat tube	432	508	432		
Head tube	120	155	120		
Eff top tube Reach	562 599	585	562 599		
Chainstays		622			
BB height	450 275	450 275	450 275		
Offset	58	58	58		
Trail	64	64	64		
Wheelbase	1080	1105	1080		
	77.73.23	101077.001	MIESTESES		
IN Standover	26.89	28.62	20.71		
Seat tube	17.01	20.00	17.01		
Head tube	4.72	6.10	4.72		
Eff top tube	22.13	23.03	22.13		
Reach	23.60	24.51	23.60		
Chainstays	17.72	17.72	17.72		
BB height	10.83	10.83	10.83		
Offset Trail	2.28	2.28	2.28		
Wheelbase	2.50 42.52	2.50 43.50	2.50 42.52		
Wilceinase	42.52	UC.CF	74.34		

# OUR PRICE: \$

#### **CRUISER CALYPSO**

				<i>p</i>	
Main tubes	Hi Tensile steel				40
Stays	Hi Tensile steel				Name and the second second
Fork	Hi Tensile steel				A
Headset	Steel			22.2/30.0/27.0	<b>16</b> 66
Handlebars	Cruiser, steel			25.4mm clamp diameter	<b>18</b> 58
Stem	Alloy/steel			22.2mm insertion	
Grips	Kraton				
Shifters	GripShift MRX-170	right onl	У		24 44
Front derailleur					<b>28</b> 37
Rear derailleur	Shimano Tourney T				20 37
Brakes	Shimano Altus CT9	2			
Brake levers	Alloy 4 finger				
Crankset	One piece type, 407	Γ		1 piece	
Bottom bracket	One-piece type				
Pedals	Resin			9/16" axle	24.5.11
Cassette	HG60 14-28			6spd	34.6 lb.
Chain	UG50			106 length, 3/32"	15.71kg
Front hub	Alloy, nutted				
Front tire	Whitewall			26 x 2.0	
Rear hub	Alloy, nutted			Threaded, 6 speed, Nutted front & rear, 1	10mm O.L.D.
Rear tire	Whitewall			26 x 2.0	
Tubes	Schraeder valve				
Front Rim	Alloy			PVC rim strip	
Rear Rim	Alloy			PVC rim strip	
Spokes	14G stainless			36 spoke 3x Front, 36 spoke 3x Rear	
				265, 262/263 (D/ND)	
Saddle	Dual spring				
Seatpost	Steel, chrome plate	d		25.6mm diameter	
Seat binder					
Additionals	Kickstand, chaingua	ard			
Colors	Sea Green/Dark Tea		Vhite decal (r	nen's/women's)	
	Mirror Black • Rust				
	Plum • Titanium de				
Frame sizes	17	20	17W		
Handlebar width	675	675	675		
Stem length	40	40	40		
Crank length					
Seatpost length	300	300	300		
Steerer, mm	156	194	156		
	200000				
Fork Length	386mm	axle-crowi	1 race		
Head angle	69.5	69.5	69.5		
Seat angle	72.8	72.8	72.8		
MM Standover	683	727	526		
Seat tube	432	508	432		
Head tube	120	155	120		
Eff top tube	562	585	562		
Reach	599	622	599		
Chainstays	450	450	450		
BB height	275	275	275		
Offset	58	58	58		
Trail	64	64	64		
Wheelbase	1080	1105	1080		
			,		
IN Standover	26.89	28.62	20.71		
Seat tube	17.01	20.00	17.01		
Head tube	4.72	6.10	4.72		
Eff top tube	22.13	23.03	22.13		
Reach	23.60	24.51	23.60		
Chainstays	17.72	17.72	17.72		
BB height	10.83	10.83	10.83		
Offset	2.28	2.28	2.28		
Trail	2.50	2.50	2.50		
Wheelbase	42.52	43.50	42.52		
	TZ.JZ	,5.50	12.32		

Main tubes	Hi Tensile steel				40
Stays	Hi Tensile steel				Name of the last o
Fork	Hi Tensile steel				<b>18</b> 58
Headset	Steel			22.2/30.0/27.0	
Handlebars	Cruiser, steel			25.4mm clamp diameter	
Stem	Alloy/steel			22.2mm insertion	
Grips	Kraton			ZZIZIMI INSCREON	
Brakes	Shimano coaster				
Brake levers	-				
Crankset	One piece type, 40	Т		1 piece	
Bottom bracket				piece	
Pedals	Resin			9/16" axle	
Cassette	18T			1spd	
Chain	KMC 410			100 length, 1/8"	
Front hub	Alloy, nutted			100 length, 170	[1]
Front tire				26 x 2.0	32.0 lb.
Rear hub				Nutted front, Coaster rear, 110mm O.L.D.	14.53kg
Rear tire				26 x 2.0	
Tubes	N. 10.10.10.20.20.20.20.20.20.20.20.20.20.20.20.20			20 A 2.0	
Front Rim				PVC rim strip	
Rear Rim	Alloy			PVC rim strip	
Spokes	14G stainless			36 spoke 3x Front, 36 spoke 3x Rear	
Opones	i io scanness			265, 261 (D/ND)	
Saddle	Dual spring			عرب عرب (١١١٧)	
Seatpost	Steel, chrome plate	d		25.6mm diameter	
Seat binder	steet, entoine plate	u		2.5.UIIII UIAINELEI	
Additionals	Kickstand, chaingu	ard			
Colors	Ice Royal Blue • W	aru hito docol	Iman's huams	va 'c)	
001013	Ice Red • Silver de			:11 5)	
	Pearl Turquoise • N			man's)	
	reali ruiquoise • i	victailic i i	um uccai (wo	men sj	
Frame sizes		0.0	4 50 44		
Handlebar width	17	20	17W		
	675	675	675		
Stem length Crank length	40	40	40		
	200	200	200		
Seatpost length	300	300	300		
Steerer, mm	156	191	156		
Fort Louisia		INFORMATIC INFORMATION			
Fork Length		axle-crowi			
Head angle	69.5	69.5	69.5		
Seat angle	72.8	72.8	72.8		
MM Standover	683	727	526		
Seat tube	432	508	432		
Head tube	120	155	120		
Eff top tube	562	585	562		
Reach	599	622	599		
Chainstays	450	450	450		
BB height	275	275	275		
Offset	58	58	58		
Trail	64	64	64		
Wheelbase	1080	1105	1080		
Thi Chandana	A- A-	20.50	00 51		
IN Standover	26.89	28.62	20.71		
Seat tube	17.01	20.00	17.01		
Head tube	4.72	6.10	4.72		
Eff top tube	22.13	23.03	22.13		
Reach	23.60	24.51	23.60		
Chainstays	17.72	17.72	17.72		
BB height	10.83	10.83	10.83		
Offset	2.28	2.28	2.28		
Trail	2.50	2.50	2.50		
Wheelbase	42.52	43.50	42.52		
					(1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-

			· ·	
Main tubes	Hi Tensile steel w/C	ro-Moly seat tube		24 34 42
	Hi Tensile steel	10 Mory Scat tube		
	RST 261			<b>11</b> 52 73 90
Headset			22.2/30.0/27.0, 33.5mm stack	<b>13</b> 44 62 76
Handlebars	Steel, 50mm rise		25.4mm clamp diameter	<b>15</b> 38 54 66
Stem			22.2mm insertion	<b>18</b> 31 45 55
Grips				
Shifters			D II as 5 /4 4/0"	<b>21</b> 27 38 47
Front derailleur	Shimano Altus CT92		Down pull, 28.6mm/1 1/8"	<b>24</b> 24 33 41
Rear derailleur Brakes				<b>28</b> 20 29 35
Brake levers				
Crankset		2 42/34/24 w/chaingu	ard, Riveted	
<b>Bottom bracket</b>			68 x 116	
Pedals			9/16" axle	21.4 %
Cassette		-28	7spd	31.4 lb. 14.26kg
Chain			102 length, 3/32"	14.26kg
Front hub Front tire			24 2.0	<del></del>
Rear hub	· ·		24 x 2.0 HyperGlide cassette, 7 spd, nutted fro	nt Stream 135mm 01 D
Rear tire			24 x 2.0	in cereal, 199min o.e.b.
Tubes	J		21 / 2.0	
Front Rim		У	Rubber rim strip	
Rear Rim			Rubber rim strip	1
Spokes	14G stainless		36 spoke 3x Front, 36 spoke 3x Re	ar
			239, 236/238 (D/ND)	
Saddle		í	26.6	
Seatpost Seat binder		=:	26.6mm diameter	
Additionals				1
Colors	Ice Mirror Red • Yel			1
	100 11111111111111111111111111111111111			i
Frame sizes Handlebar width Stem length Crank length Seatpost length	13B 540 80 170 300	13G 540 80 170 250		
Steerer, mm	117	117		
				I
Fork Length	277	X		
Head angle	70.0	axle-crown race 70.0		- 1
Seat angle	72.0	72.0		
MM Standover	615	550		
Seat tube	335	335		1
Head tube	85	85		1
Eff top tube Reach	527 567	527 567		- 1
Chainstays	406	406		- 1
BB height	275	275		
Offset	45	45		1
Trail	62	62		1
Wheelbase	988	988		- 1
0.1	2 0/23/	21.52		
IN Standover Seat tube	24.21	21.65		
Head tube	13.19 3.35	13.19 3.35		
Eff top tube	20.75	20.75		- 1
Reach	22.32	22.32		1
Chainstays	15.98	15.98		1
BB height	10.83	10.83		
Offset	1.77	1.77		1
Trail	2.45	2.45		1
Wheelbase	38.90	38.90		

		Hi Tensile steel		24 34 42
		Hi Tensile steel		14 40 57 71
	Fork	Hi Tensile steel		
		VP H67W	22.2/30.0/27.0, 33.5mm stack	<b>16</b> 35 50 62
		Steel, 40mm rise	25.4mm clamp diameter	<b>18</b> 31 45 55
		Steel ATB	22.2mm insertion	
	Grips	Trek Paw design		<b>21</b> 27 38 47
	Shifters	GripShift MRX-170		<b>24</b> 24 33 41
	ront derailleur	Shimano Altus CT92	Down pull, 28.6mm/1 1/8"	<b>28</b> 20 29 35
R	lear derailleur	Shimano Tourney TY30		20 29 35
	Brakes	Lee Chi TX33 direct pull		
	Brake levers	Lee Chi LV77E direct pull		
	Crankset	Sugino XR17 42/34/24	Riveted	
Bo	ttom bracket		68	
		Resin	9/16" axle	29.2 lb.
		Shimano HG22 14-28	6spd	13.26kg
	Chain	UG50	102 length, 3/32"	15.20kg
	Front hub	Alloy, nutted		
		Knobby	24 x 2.0	
	Rear hub	Alloy, nutted	Threaded, 6 speed, Nutted front & rear, 1	30mm O.L.D.
	Rear tire	Knobby	24 x 2.0	
		Schraeder valve		
	Front Rim	Weinmann 519 alloy	Rubber rim strip	
		Weinmann 519 alloy	Rubber rim strip	
	Spokes	14G UCP	36 spoke 3x Front, 36 spoke 3x Rear	
	6 111		239, 236/238 (D/ND)	
	Saddle	Padded w/Trek logo		
	Seatpost	Alloy micro-adjust	26.6mm diameter	
	Additionals	Rear derailleur guard		
	Colors	Ice Royal Blue • Silver decal (boy's)		
		Ice Orange • Dark Purple decal (boy's)		
		Team fade • Team Yellow decal (boy's)		
		Ice Grape Purple • Pink decal (girl's)		
		lce Teal • Yellow decal (girl's)		
	Frame sizes	ion ion		- 1
11-		13B 13G		
По	indlebar width	540 540		1
	Stem length	80 80		
	Crank length	170 170		
	Steerer, mm	300 300		
	Steerer, min	162 162		1
	Fork Length	350mm axle-crown race		1
	Head angle	70.0 70.0		
	Seat angle	72.0 72.0		
MM	Standover	606 550		
141141	Seat tube	335 335		
	Head tube	90 90		
	Eff top tube	528 528		ŀ
	Reach	568 568		
	Chainstays	406 406		
	BB height	275 275		
	Offset	45 45		
	Trail	62 62		
	Wheelbase	988 988		
		300		
IN	Standover	23.86 21.65		
	Seat tube	13.19 13.19		
	Head tube	3.54 3.54		
	Eff top tube	20.79 20.79		
	Reach	22.36 22.36		
	Chainstays	15.98 15.98		
	BB height	10.83 10.83		1
	Offset	1.77 1.77		
	Trail	2.45 2.45		
	Wheelbase	38.90 38.90		

Main tubes	Hi Tensile steel		*1		40
	Hi Tensile steel				40
	Hi Tensile steel			14	
Headset	Steel		22.2/30.0/27.0	277410-0	57
Handlebars	Steel, 50mm rise		25.4mm clamp diameter	16	50
Stem	Steel ATB		22.2mm insertion	18	45
Grips	Trek Paw design			21	38
Shifters	GripShift MRX-170,	right only		25.7523	
Front derailleur	le:			24	33
Rear derailleur	Shimano Tourney T			28	29
Brakes	Shimano Altus CT92				
Brake levers	Alloy	l : 1 10T	· confinence		
Bottom bracket	Three-piece type w/o	chainguard, 401	1 piece 68 x 30.5/52/30.5		
Pedals	Resin		1/2" axle		_
	Shimano HG22 14-2	18	6spd	26.0 lb.	
	UG50	.0	100 length, 3/32"	11.80kg	
Front hub	Steel		100 101.911, 2722		_
Front tire	Knobby		20 x 1.95		
Rear hub			Threaded, 6 speed, Nutted front &	rear, 125mm O.L.D.	
Rear tire	Knobby		20 x 1.95		
Tubes	Schraeder valve		- 44		
Front Rim	Aluminum alloy		Rubber rim strip		
Rear Rim	Aluminum alloy		Rubber rim strip		
Spokes	14G UCP		36 spoke 3x Front, 36 spoke 3x Rea 188, 185/187 (D/ND)	ar	
Saddle	Trek Paw design		188, 185/187 (D/ND)		
	Steel, black		25.6mm diameter		
Additionals	Rear derailleur guard	l. double chainring			
Colors	Team fade • Team Y	'ellow decal (boy's	)		
	Black • White decal				
	Ice Plum • White de	cal (girl's)			
Former stone		100			
Frame sizes	12B	12G			
Handlebar width Stem length	520 80	520 80			
Crank length	140	140			
Seatpost length	300	250			
Steerer, mm	132	132			
	10000				
Fork Length		xle-crown race			
Head angle	70.0	70.0			
Seat angle	72.0	72.0			
Standover Seat tube	562	505			
Head tube	305 95	305 95			
Eff top tube	435	435			
Reach	475	510			
Chainstays	385	385			
BB height	267	267			
Offset	45	45			
Trail	46	46			
Wheelbase	885	885			
Claudaur	22.12	10.00			
N Standover Seat tube	22.13	19.88			
Head tube	12.01	12.01			
Eff top tube	3.74 17.13	3.74 17.13			
Reach	18.70	20.09			
Chainstays	15.16	15.16			
BB height	10.51	10.51			
Offset	1.77	1.77			
Trail	1.81	1.81			
Wheelbase	34.84	34.84			

			Y
2/2			
Main tubes			36
Stays	Hi Tensile steel		
Fork	Hi Tensile steel		<b>19</b> 38
Headset		21.2/32.5/27.0	
Handlebars	Steel BMX, 150mm rise	25.4mm clamp diameter	
Stem	4 bolt BMX, alloy top	21.2mm insertion	
Grips	Trek Paw design		
Brakes			
Brake levers			
Crankset		1 piece	
<b>Bottom bracket</b>	One-piece type		79
Pedals		1/2" axle	
Cassette		1spd	
Chain		86 length, 1/8"	
Front hub			05 0 11
Front tire	Trek Paw design	20 x 2.0	25.2 lb.
Rear hub		Nutted front, Coaster rear, 110mm O.L.D.	11.44kg
Rear tire	Trek Paw design	20 x 2.0	
Tubes			
Front Rim		Rubber rim strip	
Rear Rim		Rubber rim strip	
Spokes		36 spoke 3x Front, 36 spoke 3x Rear	
	in the beset	186, 184 (D/ND)	
Saddle	Trek Paw design	100, 107 (D/ND)	
Seatpost	Steel	22.2mm diameter	
Additionals	Chainguard, kickstand, and pads	22.2mm diameter	
	Ice Royal Blue • Red decal (boy's)		
00.015	Ice Red • Yellow decal (boy's)		
	Vivid Purple • Yellow decal (girl's)		
	Pink • Yellow decal (girl's)		
	Tink - Tellow decal (gill's)		
Frame sizes	9.5B 9.5G		
Handlebar width			
Stem length	550 550		
Crank length	115 816		
Seatpost length	115 115		
Steerer, mm	250 250		
Steerer, mm	130 130		
Foul Laundle	000		
Fork Length	309mm axle-crown race		
Head angle	69.0 69.0		
Seat angle	71.0 71.0		
MM Standover	507 467		
Seat tube	243 243		
Head tube	90 90		_
Eff top tube	469 469		
Reach	469 469		
Chainstays	372 372		
BB height	255 255		
Offset	27 27		
Trail	70 70		1
Wheelbase	883 833		
THE CL. 1			
IN Standover	19.96 18.39		
Seat tube	9.57 9.57		
Head tube	3.54 3.54		
Eff top tube	18.46 18.46		
Reach	18.46 18.46		
Chainstays	14.65 14.65		
BB height	10.04 10.04		1
Offset	1.06 1.06		4
Trail	2.75 2.75		
Wheelbase	34.76 32.80		

					000 20
	Main tuhos	Hi Tensile steel		æ	20
		Hi Tensile steel			32
		Hi Tensile steel			<b>19</b> 26
	Headset	Steel		22.2/30.0/27.0	
	Handlebars	Steel BMX, 130mm	rise	25.4mm clamp diameter	il-
	Stem		ор	22.2mm insertion	
	Grips	Trek Paw design			
	Brakes	Coaster			
	Brake levers	2			
	Crankset		Γ	1 piece	
В	ottom bracket			24 TPI	
	Pedals	11.001111		1/2" axle	
	Cassette	Communication of the Communica		1spd	
	Chain	KMC 410		74 length, 1/8"	
	Front hub	Steel		45 34 95	24.0 lb.
	Front tire Rear hub	Trek Paw design Coaster brake		16 x 1.75	10.90kg
	Rear tire			Nutted front, Coaster rear, 110mm O.L.D. 16 x 1.75	10.50Kg
		Schraeder valve		16 X 1.75	
	Front Rim			Rubber rim strip	
	Rear Rim			Rubber rim strip Rubber rim strip	
	Spokes	14G UCP		28 spoke 4x Front, 28 spoke 4x Rear	
	ориксэ	170 001		138, 133 (D/ND)	
	Saddle	Trek Paw design		(טאוןט) כבו ,טבו	
	Seatpost			22.2mm diameter	
	Additionals	Training wheels, cha	ainguard and pads	ZZ.ZIIIII diametei	
	Colors	Ice Royal Blue • Yel			
		Ice Red • Royal Blu			
		Vivid Purple • Pink			
		Ice Pink • Yellow do			
		AUGUSTO STATIONESSA COSTASSA CARROLLOS			
	Frame sizes	9B	9G		
Н	andlebar width	510	510		
	Stem length	527			
	Crank length	114	114		
5	eatpost length	220	220		
	Steerer, mm				*
	Fork Length	0.40	wla aroum mas		
	Head angle	2742.50.50.924.040.480.990.9900	axle-crown race		
	Seat angle	71.0 69.0	71.0 69.0		
/IM	Standover	435	410		
VI IVI	Seat tube	236	236		
	Head tube	95	95		
	Eff top tube	405	405		
	Reach	405	405		I
	Chainstays	315	315		I
	BB height	208	208		
	Offset	26	26		I
	Trail	41	41		
	Wheelbase	741	741		
177	Partie of the				
[N	Standover	17.13	16.14		
1000	Seat tube	9.29	9.29		
	Head tube	3.74	3.74		
	Eff top tube	15.94	15.94		
	Reach	15.94	15.94		
	Chainstays	12.40	12.40		
	BB height	8.19	8.19		
	Offset	1.02	1.02		
	Trail	1.61	1.61		
	Wheelbase	29.17	29.17		

Main tubus   II   Toroide steel   Fort   Haddless   H				
Stags   H   Tensile steel   Tensile	Main tubo	Ili Tancila etaal		200
Fort   Hindlehard   Steel   BMX, 130mm rise   Steel   22.2/30.0/27.0   25.4mm clamp diameter   22.2mm insertion   Grips   Grandset   Grandset				
Headset   Steel BMX, 130mm rise   Steel BMX, 130mm r				<b>19</b> 18
Handlebars   Steel BMX, 130mm rise   25.4mm clamp diameter   Steel BMX, 130mm rise   22.2mm insertion   Steel BMX   130mm rise   24.7mm   130mm rise   24.7mm rise   2	Headset		22 2/30 0/27 0	
Stem   From the period   Proceed				
Status   Prame sizes   Handlebar width   Status   Early   Status   Early   Status   Early				
Brake   Brake   Carankset   Bottom bracket   Bottom bra	Grips			
Cranked Bottom bracker   Pedals   Represe   Pedals   Pedal		and the state of t		41
Cassette   Pedals   Resin   1/2" and   15/2" and   1	Brake levers			
Cassette   Pedals   Resin   1/2" axis   15/2" axis   15	Crankset	One-piece type, 28T	1 piece	
Cassette   Chain   KMC 410   60 length, 1/8"   Steel   Trek Paw design   12.5 x 2.125   Nutted front, Coaster rear, 110mm OLD.   10.53kg   10.53		One-piece type		
Chain Front tire   Steel   Training wheels, chainguard, and pads   Steel   Training wheels, which dead (girl's)			1/2" axle	
Front hub   Front tip   Trek Paw design   1.2.5 x 2.125   10.53kg				
Front tire   Rear tire   Tubes   Scharacter valve   Steel   Tick Paw design   12.5 x 2.125   10.55kg			60 length, 1/8"	
Profit tre   Rear fluth   Rear fire   Tubes   Front Rim   Spokes   Schraefer valve   Schraefer valve				23.2 lb.
Rear tire		3		
Schraeder valve   Front Rear Rim   Spekes   Saddle   Seatpost   Additionals   Colors   Colo		The state of the s	Nutted front, Coaster rear, 110mm O.L.D.	10.33%
Front Rim   Rear Rim   Spokes   Rear Rim   Steel   Rubber rim strip   Rubber rim strip   Rubber rim strip   20 spoke 2x Front, 20 spoke 2x Rear 87, 80 (D/ND)   Steel   Rubber rim strip   Rubber rim		3	12.5 x 2.125	
See				
Spoke   Saddle   Satur   Stee   Saddle   Satur   Stee				
Scadule   Seatpost   Additionals   Scotors   Steel				
Trek Paw design	Spokes	14G UCP		
Scatpost Additionals   Steel	Codelle	Tuel Peru desi-	87, 80 (D/ND)	
Additionals   Colors		3	22.2	
Frame sizes			22.2mm diameter	
Frame sizes		Training mices, enaniguara, and pads		
Frame sizes	Colors			
Handlebar width   Stem length   Stem length   Stem length   Seatpost length   Steerer, mm   Steerer, mm   Steerer, mm   Standover   Seat angle   Fork Length   Head angle   Seat angle   Fork Length   Steerer, mm   Standover   Seat tube   Seat tu		wisty Fink • white decai (girls)		
Handlebar width   Stem length   Stem length   Stem length   Seatpost length   Steerer, mm   Steerer, mm   Steerer, mm   Standover   Seat angle   Fork Length   Head angle   Seat angle   Fork Length   Steerer, mm   Standover   Seat tube   Seat tu				
Handlebar width   Stem length   Stem length   Stem length   Seatpost length   Steerer, mm   Steerer, mm   Steerer, mm   Standover   Seat angle   Fork Length   Head angle   Seat angle   Fork Length   Steerer, mm   Standover   Seat tube   Seat tu				
Handlebar width   Stem length   Stem length   Stem length   Seatpost length   Steerer, mm   Steerer, mm   Steerer, mm   Standover   Seat angle   Fork Length   Head angle   Seat angle   Fork Length   Steerer, mm   Standover   Seat tube   Seat tu				
Handlebar width   Stem length   Stem length   Stem length   Seatpost length   Steerer, mm   Steerer, mm   Steerer, mm   Standover   Seat angle   Fork Length   Head angle   Seat angle   Fork Length   Steerer, mm   Standover   Seat tube   Seat tu				
Handlebar width   Stem length   Stem length   Stem length   Seatpost length   Steerer, mm   Steerer, mm   Steerer, mm   Standover   Seat angle   Fork Length   Head angle   Seat angle   Fork Length   Steerer, mm   Standover   Seat tube   Seat tu				
Handlebar width   Stem length   Stem length   Stem length   Seatpost length   Steerer, mm   Steerer, mm   Steerer, mm   Standover   Seat angle   Fork Length   Head angle   Seat angle   Fork Length   Steerer, mm   Standover   Seat tube   Seat tu				
Handlebar width   Stem length   Stem length   Stem length   Seatpost length   Steerer, mm   Steerer, mm   Steerer, mm   Standover   Seat angle   Fork Length   Head angle   Seat angle   Fork Length   Steerer, mm   Standover   Seat tube   Seat tu	Frame sizes	8 8G		
Stem length   Seatpost length   Seatpost length   Seatpost length   Steerer, mm   Steerer, mm   Steerer, mm   Standover   Seat tube   Se				
Crank length   Seatpost length   Steerer, mm   Steerer, mm   213mm axle-crown race		100		
Seatpost length Steerer, mm				
Fork Length				
Head angle   Seat angle   63.7   63.7				
Head angle   Seat angle   63.7   63.7				
Head angle   Seat angle   63.7   63.7				
Seat angle         63.7         63.7           MM         Standover Seat tube         396         396           Head tube         100         100           Eff top tube         342         342           Reach         342         342           Chainstays         230         230           BB height         189         189           Offset         20         20           Trail         30         30           Wheelbase         560         560           IN         Standover Seat tube         7.87         7.87           Head tube         3.94         3.94           Eff top tube         13.46         13.46           Reach         13.46         13.46           Chainstays         9.06         9.06           BB height         7.44         7.44           Offset         0.79         0.79           Trail         1.18         1.18				
Standover   396   392				
Seat tube				
Seat tube		10070-000100		ï
Eff top tube       342       342         Reach       342       342         Chainstays       230       230         BB height       189       189         Offset       20       20         Trail       30       30         Wheelbase       560       560         IN       Standover Seat tube       7.87         Head tube       3.94       3.94         Eff top tube       13.46       13.46         Reach       13.46       13.46         Chainstays       9.06       9.06         BB height       7.44       7.44         Offset       0.79       0.79         Trail       1.18       1.18	Seat tube			
Reach   342   342   342   348   348   349   34		Transmit transmit		
Chainstays   189				"
BB height   189   189   189   20   20   20   30   30   Wheelbase   560   560   560       IN				
Offset Trail         20         20           30         30         560           560         560           IN         Standover Seat tube         15.59         15.59           Head tube         3.94         3.94           Head tube         13.46         13.46           Reach         13.46         13.46           Chainstays         9.06         9.06           BB height         7.44         7.44           Offset         0.79         0.79           Trail         1.18         1.18		- I		
Trail Wheelbase 560 560  IN Standover Seat tube 7.87 7.87   Head tube 3.94 3.94   Eff top tube 13.46 13.46   Reach 13.46 13.46   Chainstays 9.06 9.06   BB height 7.44 7.44   Offset 0.79 0.79   Trail 1.18 1.18				
Wheelbase         560         560           IN         Standover Seat tube         15.59         15.59           Seat tube         7.87         7.87           Head tube         3.94         3.94           Eff top tube         13.46         13.46           Reach         13.46         13.46           Chainstays         9.06         9.06           BB height         7.44         7.44           Offset         0.79         0.79           Trail         1.18         1.18				
Standover   15.59   15.59				
Seat tube         7.87         7.87           Head tube         3.94         3.94           Eff top tube         13.46         13.46           Reach         13.46         13.46           Chainstays         9.06         9.06           BB height         7.44         7.44           Offset         0.79         0.79           Trail         1.18         1.18	wneelbase	560 560		
Seat tube         7.87         7.87           Head tube         3.94         3.94           Eff top tube         13.46         13.46           Reach         13.46         13.46           Chainstays         9.06         9.06           BB height         7.44         7.44           Offset         0.79         0.79           Trail         1.18         1.18	TAI Chandara	15.50 15.50		
Head tube     3.94     3.94       Eff top tube     13.46     13.46       Reach     13.46     13.46       Chainstays     9.06     9.06       BB height     7.44     7.44       Offset     0.79     0.79       Trail     1.18     1.18				
Eff top tube     13.46     13.46       Reach     13.46     13.46       Chainstays     9.06     9.06       BB height     7.44     7.44       Offset     0.79     0.79       Trail     1.18     1.18				
Reach     13.46       Chainstays     9.06       BB height     7.44       Offset     0.79       Trail     1.18       13.46 <tr< th=""><th></th><th></th><th></th><th></th></tr<>				
Chainstays         9.06         9.06           BB height         7.44         7.44           Offset         0.79         0.79           Trail         1.18         1.18				
BB height         7.44         7.44           Offset         0.79         0.79           Trail         1.18         1.18				
Offset         0.79         0.79           Trail         1.18         1.18				
Trail 1.18 1.18				
100 C		The state of the s		
22.05				
	winceingse	22.05 22.05		

Main tubes   Stays   2000 cries aluminum   25.4/34.0/30.0, 24.5mm stack   25.4 mm clamp diameter   30.0mm steerer damp freight   30.0mm steerer damp freig		<sub>T</sub>		
Stay   Co-MotyPil-Ten	Main Anhan	mane 1		
Fork   Headst   Din-ComposEst   Alreadest   Handlebars   Take   Manufelbars   Take				44
Headset   Diacompe SI-1 Alendest   7				16 55
Stem   Alloy 4 holt Abead   Grips   Track to you have been depended by the service to your bear of your bea			25.4/34.0/30.0. 24.5mm stack	1.0 99
Stem   Grips   First				
Brakes   Paske levers   Paske leve	Stem	Alloy 4 bolt Ahead		
Brake levers   Carakke				
Crankst   Pedais				
Bottom bracket   Pedals   Pe			- 항 문 항 당 및 200	
Pedals   Casette   Chain   Front tire   Total   Front tire   Rear high   Front tire   Rear high   Rear tire   Tubes   Front Rim   Rear fire   Tubes   Front Rim   Rear Rim   R				
Cassette   Chain   A10A   90 length, 1/8"   A10A   90 length, 1/8"   A10A   90 length, 1/8"   A10A   90 length, 1/8"   A10A   A90 length, 1/8"   A10A				
Front tire Rear tire Tubes Front Rear tire Tubes Front Rim Rear tire Spokes Saddle Seatpost Seat binder Additional Additional Additional Additional Ball Burnished * White w/blue/yellow decal Watte Grey Green * Light Blue w/yellow/black decal  Frame sizes Handlebar width Stem length Crania length Steatpost length Steatp				
Front hub Front tire Rear hub Rear tire Rear find Spokes  Saddle Seatapost Seat hinder Additional Colors  Frame sizes Handlebar width Stem length Crank length Head angle Steater, mm  Fork Length Head angle Seat angle MM Standover Seat tube Head tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Name Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail 1.66  1.090 kg  20 x 2.125 The maded, 1 spd, nutted f/r , 110mm O.L.D. 22.0 lb. 10.90kg  24.0 lb. 10.90kg  26.8mm diameter  26.8mm				
Front tire Rear tire Tubes Schadel Rear tire Tubes Front Rim Rear Rim Spokes  Saddle Seatpost Seat blinder Additionals Colors  Frame sizes Handlebar width Sten length Crank length Seat best Steat under Steat under Steat under Steat under Steat under Steat angle Trek Length Head angle Seat angle The Length Head under Statube Head tube Eff top tube Reach Chainstays B B leight Offset Trail 42 Wheelbase  IN Standover Seat tube Head tube Eff top tube Reach Chainstays B B leight Offset Trail 42 Wheelbase  IN Standover Seat tube Head tube Eff top tube Reach Chainstays B B leight Offset Trail 42 Wheelbase  IN Standover Seat tube Head tube Eff top tube Reach Chainstays B B leight Offset Trail 1.66			30 length, 1/8	
Rear hub Rear tire Rear hub Rear tire Rear hub Rear tire Rear Rim Rear Rim Spokes  Saddle Seatpost Seat binder Additionals Colors  Frame sizes Handlebar width Stem length Crank length Seatone Seatonet Seatonet Steerer, mm  Frame sizes Handlebar width Stemethy Steerer, mm  Frame sizes Handlebar width Steerer, mm  Steerer, mm  Steerer, mm  Steerer, mm  Steerer, mm  Stendber Seat tinde Rear tire Seat tinde Rear tire Seat tire Seat tire Seat tire Head angle Seat angle Seat angle Seat angle Seat tire Fork Length Head angle Seat angle Seat angle Seat tire Reach Chainstays BB height Offset Trail Wheelbase  Trail Standover Seat tube Reach Chainstays SB height Offset Trail Chispian 19. 1887/1888   Fight 19. 1887/1889   Fight 18. 1887/1889   Fight 19. 1887/1889   Fight			20 x 2.125	24.0 lb.
Rear tire Tubes Front Rim Rear Rim Rear Rim Spokes Saddle Seatpost Set hinder Additionals Colors Frame sizes Handlebar width Stem length Crank length Head angle Seaterer, mm  First Length Head angle Seat ube Head tube Eff top tube Reach Chainstays B B height Offset Trail  Standover Seat tube Head tube Eff top tube Reach Chainstays B B Height Offset Trail Colors  IN Standover Seat tube Head tube Eff top tube Reach Chainstays B B Height Offset Trail				10.90kg
From Rear Rim Spokes  Saddle Seatpost Seat binder Additionals Colors  Frame sizes Handlebar width Stem length Crank length Seatpost Seat spoke Seat process and length Seatpost Seat process and length Seatpost Seat process and length Seatpost length Seatp	Rear tire	Knobby, Comp III style		
Rear Rim Spokes Saddle Seatpost Seat hinder Additionals Calors  Frame sizes Hardlebar width Stem length Seater, mm Fork Length Head angle Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase  IN Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Nate Grey Teen Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Nate Grey Teen Standover Seat tube Head tube Eff top tube Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Offset Trail Offset Trail II.66		Schraeder valve		
Spokes   34G				
Trek padded Seat binder Additionals Colors  Frame sizes Handlebar with Stem length Crank length Seat rough Seat angle  For Length Head angle Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase  IN Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Name Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Trail Offset Trail 1.66  190, 188/188 (D/ND) 26.8mm diameter Additionals 26.8mm diameter Addiameter Addiameter Aloy 26.8mm diameter Addiameter Addiameter Aloy 26.8mm diameter Addiameter Addiameter Addiameter Abenda Aloy 26.8mm diameter Addiameter Abenda Aloy 26.8mm diameter				
Sadule Seatpots Seat binder Additionals Colors  Frame sizes Handlebar width Stem length Crank length Seatpost length Seat angle  MM  Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase  IN  Standover Seat tube Head tube Eff top tube Seat bingh Trail Wheelbase  IN  Standover Seat tube Head tube Eff top tube Seat bingh Seat open Seat tube Head tube Eff top tube Seat angle Trail Wheelbase  IN  Standover Seat tube Head tube Eff top tube Seat angle Trail Wheelbase  IN  Standover Seat tube Head tube Eff top tube Seat angle Trail  Vision Standover Seat tube Head tube Eff top tube Seat angle Trail  Vision Standover Seat tube Head tube Eff top tube Seat angle Trail  Vision Standover Seat tube Head tube Eff top tube Seat tube Head tube Seat tube Head tube Eff top tube Seat tube Head tube Eff top tube Seat tube Head tube	Spokes	14G		
Seat buse Head tube Eff top tube Reach Chainstays Bal Buistay Bal Buse Head tube Eff top tube Reach Chainstays Bal Buse For the Bal Buse B	Caddla	T-111-1	190, 188/188 (D/ND)	
Seat binder Additionals Colors  Colors  Ball Burnished * White w/blue/yellow decal Matte Grey Green * Light Blue w/yellow/black decal  Frame sizes Handlebar width 700 Stem length 50 Crank length Seatpost length Steerer, mm 152  Fork Length Head angle 73.5 Seat angle 71.0  Fork Length Head tube Seat aube Head tube Eff top tube Reach Chainstays BB height 01fset Trail Wheelbase 915  IN Standover Seat tube Head tube Eff top tube Seat tube Head tube Seat tube Head tube Sol Wheelbase 915  IN Standover Seat tube Head tube Eff top tube Sol Reach Chainstays 382 BB height 997 01fset 33 Trail Wheelbase 915  IN Standover Seat tube Head tube Eff top tube Sol Reach Chainstays 15.04 BB height 11.69 01fset 1.30 Trail 1.66			26 9mm diameter	
Additionals Colors  Handlebar width Stem length Crank length Stementh Head angle Seat angle Fork Length Head angle Seat tube Head tube Eff top tube Reach Chainstays B height Offset Trail Wheelbase First Standover Seat tube Head tube Eff top tube Reach Chainstays B height Offset Trail Chainstays B height Trail Chainstays B height Trail			20.6mm diameter	
Frame sizes Handlehar width Stem length Crank length Seatpost length Head angle Seat angle To the Head tube Eff top tube Reach Chainstays B B height Offset Trail Nation Standover Seat tube Head tube Eff top tube Reach Chainstays B B height Offset Clainstays B B height Clainstays B B He				
Matte Grey Green • Light Blue w/yellow/black decal  Frame sizes Handlehar width 700 Stenength Seatpost length Seatpost length Steerer, mm  Fork Length Head angle Seat angle 73.5 Seatpost length Head angle Seat angle 71.0  MM Standover Standover Reach Chainstays BB height Offset Trail Wheelbase  IN Standover Seat tube Head tube Head tube Head tube Head tube Standover Seat tube Head tube Head tube Standover Seat tube Head tube Head tube Head tube Standover Seat tube Head tube Standover Standov	Colors		Ī	
Handlebar width   50		Matte Grey Green • Light Blue w/yellow/bl	ack decal	
Seatpost length Steerer, mm	Handlebar width Stem length	700 50		
Steerer, mm				
Fork Length				
Head angle	Green City IIIIII	132		
Head angle				
Seat angle		286mm axle-crown race		
Standover   Seat tube   Head tube   100				
Seat tube	The second second second second	71.0		
Head tube   100   501		202		
Eff top tube   Feach				
Reach   549   382   BB height   297   29				
Chainstays   382   297   33   382				
Offset Trail       33         Wheelbase       915         IN Standover Seat tube       7.99         Head tube       3.94         Eff top tube       19.72         Reach       21.61         Chainstays       15.04         BB height       11.69         Offset       1.30         Trail       1.66				
Trail 42 Wheelbase 915  IN Standover Seat tube 7.99 Head tube 3.94 Eff top tube 19.72 Reach 21.61 Chainstays 15.04 BB height 11.69 Offset 1.30 Trail 1.66				
N   Standover   Seat tube   7.99   Head tube   19.72   Reach   21.61   Chainstays   15.04   BB height   11.69   Offset   1.30   Trail   1.66				
Standover   Seat tube   7.99				
Seat tube     7.99       Head tube     3.94       Eff top tube     19.72       Reach     21.61       Chainstays     15.04       BB height     11.69       Offset     1.30       Trail     1.66	wneemase	915		
Seat tube     7.99       Head tube     3.94       Eff top tube     19.72       Reach     21.61       Chainstays     15.04       BB height     11.69       Offset     1.30       Trail     1.66	TN Standover			
Head tube       3.94         Eff top tube       19.72         Reach       21.61         Chainstays       15.04         BB height       11.69         Offset       1.30         Trail       1.66		7.99		
Eff top tube     19.72       Reach     21.61       Chainstays     15.04       BB height     11.69       Offset     1.30       Trail     1.66				
Reach         21.61           Chainstays         15.04           BB height         11.69           Offset         1.30           Trail         1.66				
Chainstays         15.04           BB height         11.69           Offset         1.30           Trail         1.66	Reach			
Offset         1.30           Trail         1.66				
Trail 1.66			w	
уч пеегразе 36.02				
	wneelbase	36.02		

#### SUB ATOMIC SS

# OUR PRICE: \$

Main tubes			44
Stays			
Fork			<b>16</b> 55
Headset	The state of the s	25.4/34.0/30.0, 24.5mm stack	20 33
Handlebars		25.4mm clamp diameter	
Stem	Thirty I work interest	30.0mm steerer clamp height	
Grips			
Brakes Brake levers			
Crankset		110	
Bottom bracket		110mm bolt hole circle 24 TPI	ë
Pedals		1/2" axle	
Cassette		1spd	
Chain	410A	90 length, 1/8"	
Front hub		3 7 112	240 11
Front tire	i and the state of	20 x 2.125	24.0 lb.
Rear hub		Threaded, 1 spd, nutted f/r, 110mm O.L.D.	10.90kg
Rear tire		20 x 1.75	
Tubes Front Rim	Semacaci varve	* **	
Rear Rim		Rubber rim strip	
Spokes		Rubber rim strip	
opones	140	36 spoke 3x Front, 36 spoke 3x Rear 188, 188/188 (D/ND)	
Saddle	Trek padded	166, 166/168 (D/ND)	
Seatpost		26.8mm diameter	
Seat binder	Alloy 2 bolt	20.0mm diameter	
Additionals	Chainguard		4
Colors	The state of the s	al	
	Ball Burnished • Yellow w/red/teal decal		
Frame sizes	Expert		
Handlebar width	700		
Stem length	50		
Crank length	175		
Seatpost length	350		
Steerer, mm	162		
Fork Length	286mm axle-crown race		26
Head angle	73.5		
Seat angle	71.0		AT .
MM Standover			
Seat tube	229		
Head tube	100		
Eff top tube	546		
Reach Chainstays	594		
BB height	420		
Offset	297 33		
Trail	42		
Wheelbase	915		
IN Standover			
Seat tube	9.02		
Head tube	3.94		
Eff top tube	21.50		
Reach	23.38		
Chainstays BB height	16.54		
Offset	11.69		
Trail	1.30 1.66		
Wheelbase	36.02		
	20.02		

OUR PRICE: \$

#### **SUB CULTURE**

	***	T	
Main tubes	7005 heat treated aluminum		44
Stays	7000 series aluminum		
Fork	Cro-Moly		<b>16</b> 55
Headset	Dia-Compe SE-1 Aheadset	25.4/34.0/30.0, 24.5mm stack	
Handlebars	Cro-Moly	25.4mm clamp diameter	
Stem	Alloy 4 bolt Ahead	30.0mm steerer clamp height	
Grips	Trek logo, Kraton w/replaceable endcaps		
Brakes	Tektro 875A V brake (rear)		
	Tektro RBP-291A		
Crankset	1 pc. Cro-Moly, 2pc. spider/sprocket, 44T	110mm bolt hole circle	
Bottom bracket	One-piece type	24 TPI	
	LU-953	1/2" axle	
	16T	1spd	
Chain Front hub	410A	90 length, 1/8"	
	Alloy, sealed	20 2 125	23.75 lb.
Rear hub	Tioga Comp III skinwall Alloy, sealed	20 x 2.125	10.78kg
Rear tire	Tioga Comp III skinwall	Threaded, 1 spd, nutted f/r, 110mm O.L.D.	10.7 0 kg
	Schraeder valve	20 x 1.75	
Front Rim	Aluminum alloy	Rubber rim strip	
Rear Rim	Aluminum alloy	Rubber rim strip	
Spokes	14G	36 spoke 3x Front, 36 spoke 3x Rear	
opones	140	188, 188/188 (D/ND)	
Saddle	Kevlar corners, Cro-Moly rails	166, 166/166 (D/ND)	
Seatpost	Cro-Moly micro-adjust, chrome plated	26.8mm diameter	
Seat binder	Alloy 2 bolt	20.0mm diameter	
Additionals	Chainguard		
Colors	Ball Burnished • Light blue/purple/lime ded	cal	
Frame sizes Handlebar width Stem length Crank length Seatpost length Steerer, mm Fork Length Head angle	Expert 700 55 175 350 162 286mm axle-crown race		
Seat angle	73.5 71.0		
MM Standover	71.0		
Seat tube	229		
Head tube	100		
Eff top tube	546		
Reach	599		
Chainstays	420		
BB height	297		
Offset	33		
Trail	42		93
Wheelbase	915		
Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	9.02 3.94 21.50 23.57 16.54 11.69 1.30 1.66		
At liceinase	36.02		

	Main tubes	6061 T6 TIG aluminum		44
	Stays	6061 T6 TIG aluminum		
	Fork	Cro-Moly, 1 1/4" tapered		<b>16</b> 65
	Headset	Aheadset	25.4/34.0/30.0, 33mm stack	
	Handlebars	Trek Cruiser	25.4mm clamp diameter	
	Stem	Trek Alloy Ahead	31.7mm steerer clamp height	-
	Grips	Trek Kraton	3	
	Brakes	VB-887 direct pull, rear		1
	Brake levers	281DT, right only		1
	Crankset	1 pc type, 2 pc. spider/ring, 44T 110r	nm bolt hole circle	
В	ottom bracket	One-piece type	24 TPI	
	Pedals	Platform, alloy	1/2" axle	
	Cassette	16T	1spd	
	Chain	Taya EA410	96 length, 1/8"	27.0 lb.
	Front hub	KT alloy	22.2.3.1, .12	12.26kg
	Front tire	Comp III Type	24 x 2.125	
	Rear hub	KT alloy	Threaded, 1 speed, Nutted f/r, 110mm O.L.D.	
	Rear tire	Comp III Type	24 x 1.75	
	Tubes	Schraeder valve	21 X 1.73	
	Front Rim	Aluminum alloy	Rubber rim strip	
	Rear Rim	Aluminum alloy	Rubber rim strip	1
	Spokes	14G	36 spoke 3x Front, 36 spoke 3x Rear	
			238, 236/236 (D/ND)	
	Saddle	Trek padded	290, 290/290 (D/ND)	
	Seatpost	Micro-adjust	27.2mm diameter	
	Seat binder	Alloy w/integral bolt	35.0 clamp diameter	
	Colors	Platinum Silver • Metal Orange w/blac	25.0 Clamp Glameter	
	Frame sizes	P 6 '		
L	andlebar width	Pro Cruiser		
11	Stem length	700		36
	Crank length	50		
c	eatpost length	170		П
-		350		
	Steerer, mm	173		
	Fork Length	358mm axle-crown race		
	Head angle	71.5		
	Seat angle	70.5		
MM	Standover	70.5		
TALTAL	Seat tube	278		
	Head tube	110		
	Eff top tube	520		
	Reach	567		
	Chainstays	418		
	BB height	297		
	Offset	33		
	Trail	67		
	Wheelbase	1015		
1-4-3		1013		
IN	Standover			
	Seat tube	10.94		
	Head tube	4.33		
	Eff top tube	20.47		
	Reach	22.34		
	Chainstays	16.46		1
	BB height	11.69		
	Offset	1.30		
	Trail	2.62		
	Wheelbase	39.96		
		55.50		
	_			

			ē	
	Main tubes	High tensile steel		44
	Stays	High tensile steel		
	Fork		Water Control of the	<b>16</b> 55
	Headset Handlebars		21.2/32.5/27.0, 38.0mm stack	
	Stem	4 bolt BMX, alloy	25.4mm clamp diameter 21.2mm insertion	
	Grips		21.2mm Insertion	
	Brakes			
	Brake levers			
	Crankset	, , , , , , , , , , , , , , , , , , , ,	110mm bolt hole circle	
В	ottom bracket	One-piece type	24 TPI	
	Pedals	Platform	1/2" axle	
	Cassette		1spd	
	Chain	STORY OF A TRANSPORT	88 length, 1/8"	
	Front hub			26.1 lb.
	Front tire Rear hub	The state of the s	20 x 1.75	11.85kg
	Rear tire		Threaded, 1 speed, Nutted f/r, 110mm O.L.D.	11.05kg
	Tubes		20 x 1.75	
	Front Rim		PVC rim strip	
	Rear Rim		PVC rim strip	
	Spokes		36 spoke 3x Front, 36 spoke 3x Rear	
		*** ( touchous	190, 187/187 (D/ND)	
	Saddle			
	Seatpost		25.4mm diameter	
	Seat binder		28.6 clamp diameter	
	Colors	Team read my sident mine deed		
		Chrome • Lime w/bluegreen/white decal		
	Frame sizes andlebar width Stem length Crank length eatpost length	Expert 700 50 170 350		
	Steerer, mm	138		
		5(90)(640)		
		84750,01 P		
	Fork Length	286mm axle-crown race		
	Head angle Seat angle	73.5		
// N//	Standover Standover	71.0		
MIM	Seat tube	229		
	Head tube	100		
	Eff top tube	517		
	Reach	565		
	Chainstays	368		
	BB height	297		
	Offset Trail	33		
	Wheelbase	42 912		
	Wilceibase	912		
IN	Standover			
257(7)	Seat tube	9.02		
	Head tube	3.94		
	Eff top tube	20.35		
	Reach	22.24		
	Chainstays BR height	14.49		
	BB height Offset	11.69		
	Trail	1.30 1.66		
	Wheelbase	35.91		
		ا د.د د		

### **SUB MISSION**

# OUR PRICE: \$

Main tubes	Hi Tensile steel w/Cro-Moly seat tube		44
Stavs	High tensile steel		77
Fork	1 1/4" tapered		<b>16</b> 55
Headset	Aheadset	25.4/34.0/30.0, 33mm stack	<b>16</b> 55
Handlebars	Trek	25.4mm clamp diameter	AND A STATE OF
	Trek Alloy Ahead	31.7mm steerer clamp height	
Grips	Trek Kraton	31.7mm steeler clamp neight	
Brakes	VB-885 direct pull, rear		
	VL-281, right only		
	1 pc. type, 2 pc. spider/ring, 44T	110	
Bottom bracket	One-piece type	110mm bolt hole circle	
Pedals	Platform	24 TPI	
Cassette	16T	1/2" axle	
Chain		1spd	
Front hub	Taya EA410	88 length, 1/8"	
Front tire	Formula	22 2 425	25.9 lb.
Rear hub	Comp III Type	20 x 2.125	11.76kg
Rear tire	Formula	Threaded, 1 speed, Nutted f/r, 110mm O.L.D.	
	Comp III Type	20 x 1.75	
	Schraeder valve	B 11	
Front Rim	Aluminum alloy	Rubber rim strip	
Rear Rim	Aluminum alloy	Rubber rim strip	
Spokes	14G	36 spoke 3x Front, 36 spoke 3x Rear	
0.11	Tant a riva a	190, 187/187 (D/ND)	
Saddle	Trek padded		
Seatpost	Micro-adjust	25.4mm diameter	
Seat binder	Alloy w/integral bolt	28.6 clamp diameter	
Colors	Mellow Gold • Crimson w/black/white decal		
	Chrome • Lemon w/deep blue/white decal		
	2		
	Seed of the seed o		
Frame sizes	Expert		
Handlebar width	710		
Stem length	50		
Crank length	170		
Seatpost length	350		
Steerer, mm	162		
Fork Length	286mm axle-crown race		
Head angle	73.5		
Seat angle	71.0		
MM Standover			
Seat tube	229		
Head tube	100		
Eff top tube	517		
Reach	565		
Chainstays	368		
BB height	297		
Offset	33		
Trail	42		
Wheelbase	912		
IN Standover			
Seat tube	9.02		
Head tube	3.94		
Eff top tube	20.35		
Reach	22.24		
Chainstays	14.49		
BB height	11.69		
Offset	1.30		
Trail	1.66		
Wheelbase	35.91		
	(2000000.1)		

# OUR PRICE: \$

#### **SUB HEAD**

		ž.	
Main tubes	Cro-Moly steel		0.0
Stays			44
	Cro-Moly steel		<b>16</b> 55
Fork		2 2 Y	
Headset	Aheadset	25.4/34.0/30.0, 33mm stack	
Handlebars	Trek Cro-Moly	25.4mm clamp diameter	
	Trek Alloy Ahead	31.7mm steerer clamp height	
Grips	Trek Kraton		
Brakes	VB-887 direct pull, rear		
Brake levers	281DT, right only		
Crankset	1 pc. type, 2 pc. spider/ring, 44T	110mm bolt hole circle	
<b>Bottom bracket</b>	One-piece type	24 TPI	
	Platform, alloy	1/2" axle	
Cassette	16T	1spd	
Chain	Taya EA410	90 length, 1/8"	
Front hub	KT alloy	90 length, 1/8	
Front tire		20 2 2 105	25.6 lb.
	Comp III Type	20 x 2.125	11.62kg
	KT alloy	Threaded, 1 speed, Nutted f/r, 110mm O.L.D.	11.62kg
	Comp III Type	20 x 1.75	
	Schraeder valve		
Front Rim	Aluminum alloy	Rubber rim strip	
Rear Rim	Aluminum alloy	Rubber rim strip	11
Spokes	14G	36 spoke 3x Front, 36 spoke 3x Rear	
		190, 187/187 (D/ND)	
Saddle	Trek padded	Common Martin A. Carrier And P. Carrier II.	
Seatpost	Micro-adjust	25.4mm diameter	
Seat binder	Alloy w/integral bolt	28.6 clamp diameter	
Colors	Tidal Blue • Sky Blue w/black/white decal	20.0 clamp diameter	
	The state of the s		
			- 1
Frame sizes	D		
	Pro		
Handlebar width	710		
Stem length	50		
Crank length	170		
Seatpost length	350		70-
Steerer, mm	162		n .
	11		
Fork Length	286mm axle-crown race		
Head angle	73.5		
Seat angle	71.0		2 - 1 - 1 - 1 - 1
MM Standover			
Seat tube	229		
Head tube	100		
Eff top tube	520		
Reach	568		
Chainstays	375		
BB height			
Offset	297		
	33		
Trail	42		
Wheelbase	949		
01			
IN Standover			
Seat tube	9.02		
Head tube	3.94		
Eff top tube	20.47		
Reach	22.36		
Chainstays	14.76		
BB height	11.69		
Offset	1.30		
Trail	1.66		
Wheelbase	37.36		
THECHNUSE	31.30		

### **TEAM ISSUE 3**

# OUR PRICE: \$

Main tubes	6061T6 TIG aluminum		44
Stays	6061T6 TIG aluminum		
Fork	1 1/4" tapered		<b>16</b> 55
Headset	Aheadset	25.4/34.0/30.0, 33mm stack	
Handlebars	Trek	25.4mm clamp diameter	
Stem	Trek Alloy Ahead	31.7mm steerer clamp height	
Grips	Trek Kraton	31.7 mm steerer clamp neight	
Brakes	VB-887 direct pull, rear		
Brake levers	281DT, right only		
Crankset	1 pc. type, 2 pc. spider/ring, 44T	110mm bolt hole circle	
Bottom bracket	One-piece type	24 TPI	
Pedals	Platform, alloy	1/2" axle	
Cassette	16T	1spd	
Chain	Taya EA410	90 length, 1/8"	
Front hub	KT alloy	30 length, 1/6	
Front tire	Comp III Type	20 x 2.125	25.6 lb.
Rear hub	KT alloy	Threaded, 1 speed, Nutted f/r, 110mm O.L.D.	11.62kg
Rear tire	Comp III Type	20 x 1.75	822
Tubes		20 X 1.75	
	Aluminum alloy	Dubbon sine stain	
Rear Rim	Aluminum alloy	Rubber rim strip	
Spokes	14G	Rubber rim strip	
opones.	140	36 spoke 3x Front, 36 spoke 3x Rear	N .
Saddle	Trok paddad	190, 187/187 (D/ND)	
Seatpost	Trek padded	27 2 1	
Seat binder	Micro-adjust	27.2mm diameter	
Colors	Alloy w/integral bolt	35.0 clamp diameter	
Colors	Team Yellow • Red w/black/silver decal		
			11
F	1447		
Frame sizes	Pro		
Handlebar width	700		E .
Stem length	50		
Crank length	170		
Seatpost length	350		
Steerer, mm	173		
	1000000000 E		
Fork Length	286mm axle-crown race		
Head angle	73.5		
Seat angle	71.0		
MM Standover			
Seat tube	275		
Head tube	110		
Eff top tube	514		
Reach	562		
Chainstays	387		18
BB height	292		
Offset	26		
Trail	49		
Wheelbase	921		
IN Standover			
Seat tube	10.83		
Head tube	4.33		
Eff top tube	20.24		
Reach	22.12		
Chainstays	15.24		
BB height	11.50		
Offset	1.02		
Trail	1.95		
Wheelbase	36.26		

OUR PRICE: \$

# **TEAM ISSUE 2**

			22	
	Main tubes			44
	Stays			<b>16</b> 55
	Fork			10 55
	Headset		25.4/34.0/30.0, 33mm stack	
	Handlebars	Trek Cro-Moly	25.4mm clamp diameter	
	Stem	Trek Alloy Ahead	31.7mm steerer clamp height	
	Grips	Trek Kraton		
	Brakes Brake levers	VB-887 direct pull, rear		
	Crankset	281DT, right only 1-pc. Cro-Moly, 2 pc. spider/ring, 44T	110mm bolt hole circle	
Re	ottom bracket	One-piece type	24 TPI	
	Pedals	Platform	1/2" axle	
	Cassette	16T	1spd	
	Chain	Taya TB410	90 length, 1/8"	
	Front hub	Formula, alloy		
	Front tire	Comp III Type	20 x 2.125	24.8 lb.
	Rear hub	Formula, alloy	Cassette, 1 speed, Nutted f/r, 110mm O.L.D.	11.26kg
	Rear tire	Comp III Type	20 x 1.75	
	Tubes	Schraeder valve		
	Front Rim	Araya 7X alloy	Rubber rim strip	
	Rear Rim	Araya 7X alloy	Rubber rim strip	
	Spokes	14G	36 spoke 3x Front, 36 spoke 3x Rear	
	C-Julia	NATIONAL DESIGNATION OF THE PROPERTY OF THE PR	188, 188/188 (D/ND)	
	Saddle Seatpost	Padded Kevlar, embroidered		
	Seat binder		27.2mm diameter	
	Colors	Alloy w/integral bolt Blaze Red • Team Yellow w/black/white d	35.0 clamp diameter	
		2000		
	Frame sizes	Pro XL		
H	andlebar width	700		
	Stem length Crank length	50		
	eatpost length	170 350		
3	Steerer, mm	173		
	occurrent, mini	173		
	Fork Length	286mm axle-crown race		
	Head angle Seat angle	73.5		
0.404	Standover	71.0		
MM	Seat tube	275		
	Head tube	110		
	Eff top tube	533		
	Reach	581		
	Chainstays	387		
	BB height	292		
	Offset	26		
	Trail	49		
	Wheelbase	940		
TAI	Standover			
IN	Seat tube	10.83		
	Head tube	4.33		
	Eff top tube	20.98		
	Reach	22.87		
	Chainstays	15.24		
	BB height	11.50		
	Offset	1.02		
	Trail	1.95		
	Wheelbase	37.01		

# **TEAM ISSUE 1**

# OUR PRICE: \$

Main tubes	AND SALES OF THE PROPERTY OF THE PERSON OF T		44
Stays			
Fork	Cro-Moly, 1 1/4" tapered		<b>16</b> 55
Handlahara	Aheadset	25.4/34.0/30.0, 33mm stack	
Talluleuars	Trek Cro-Moly	25.4mm clamp diameter	
Grine	Trek Alloy Ahead Trek Kraton	31.7mm steerer clamp height	
Brakes	Shimano M600 V rear		
Brake levers	Shimano M600 V , right only		
Crankset	3-pc. Cro-Moly, Trek ring, 44T	110mm bolt hole circle	
Bottom bracket	3-piece type, sealed	24 TPI	
Pedals	Platform, alloy	9/16" axle	
Cassette	16T	1spd	
Chain	Taya TB400	90 length, 1/8"	
Front hub	Formula alloy, sealed		24.7 lb.
	Tioga Comp III	20 x 2.125	
Rear hub	Formula, alloy, sealed	Cassette, 1 speed, Nutted f/r, 110mm O.L.D.	11.21kg
Rear tire Tubes	Tioga Comp III	20 x 1.75	
	Schraeder valve Araya 7X alloy	The state of the s	
Rear Rim	Araya 7X alloy Araya 7X alloy	Rubber rim strip	
Spokes	14G	Rubber rim strip	
	140	36 spoke 3x Front, 36 spoke 3x Rear 188, 188/188 (D/ND)	
Saddle	Padded Kevlar, embroidered	100, 100/100 (D/ND)	
Seatpost	Alloy micro-adjust	27.2mm diameter	
Seat binder	Alloy w/integral bolt	35.0 clamp diameter	
Colors	Black Pearl • Team Purple w/metal ye	llow.warm silver decal	
Frame sizes Handlebar width Stem length Crank length Seatpost length Steerer, mm	Pro 710 50 170 350 164		
Fork Length Head angle	286mm axle-crown race		
Seat angle	73.5 71.0		
MM Standover			
Seat tube	275		
Head tube	110		
Eff top tube Reach	533		
Chainstays	581 387		
BB height	292		
Offset	26		
Trail	49		
Wheelbase	940		
IN Standover Seat tube Head tube Eff top tube Reach Chainstays BB height	10.83 4.33 20.98 22.87 15.24 11.50		
Offset	1.02		
Trail	1.95		
Wheelbase	37.01		

OUR PRICE: \$

#### **SUB SPECIES**

		IR	
Main tubes	Cue Malu steel		4.4
Stays	Cro-Moly steel		44
Fork	Cro-Moly steel Cro-Moly, 1 1/4" tapered		<b>16</b> 55
Headset	Aheadset	25 4/24 0/20 0 22mm stock	
Handlebars	Trek Cro-Moly	25.4/34.0/30.0, 33mm stack 25.4mm clamp diameter	
Stem	Alloy Ahead type	31.7mm steerer clamp height	
Grips	Trek Kraton	31.7 mm steeler clamp neight	
Brakes	Tektro cantilever, rear		
Brake levers	Tektro 2-finger , right only		
Crankset	1-pc. Cro-Moly, 2 pc. spider/ring, 44T	110mm bolt hole circle	
Bottom bracket	One-piece type	24 TPI	
Pedals	Platform, alloy	1/2" axle	
Cassette	16T	1spd	
Chain	Taya TB400	90 length, 1/8"	
Front hub	Formula alloy		22.0.11
Front tire	Comp III type	20 x 2.125	23.8 lb.
Rear hub Rear tire	Formula, alloy	Threaded, 1 speed, Nutted f/r, 110mm O.L.D.	10.81kg
Tubes	Comp III type Schraeder valve	20 x 1.75	
Front Rim	Aluminum alloy	Rubber rim strip	
Rear Rim	Aluminum alloy	Rubber rim strip	
Spokes	14G	48 spoke 3x Front, 48 spoke 3x Rear	
	N Need	183, 183/182 (D/ND)	
Saddle	Trek	103, 103/102 (5/10)	
Seatpost	Cro-Moly micro-adjust	25.4mm diameter	
Seat binder	Alloy w/integral bolt	28.6 clamp diameter	
Colors	Matte Chrome • Lime w/crimson/black dec	al	
Frame sizes	D. M.		
Handlebar width	Pro XL		
Stem length	700 50		
Crank length	170		
Seatpost length	350		
Steerer, mm	154		41
Fork Length	286mm axle-crown race		
Head angle	73.5		
Seat angle	71.0		
MM Standover	200		
Seat tube Head tube	229		
Eff top tube	102 533		
Reach	581		
Chainstays	387		
BB height	292		
Offset	33		
Trail	42		
Wheelbase	965		
IN Standover	0.00		
Seat tube	9.02		
Eff top tube	4.02 20.98		
Reach	20.98		
Chainstays	15.24		
BB height	11.50		
Offset	1.30		
Trail	1.66		
Wheelbase	37.99		

Main tuhes	Hi Tensile steel w/Cro-Moly seat tube		
Stavs	High tensile steel		44
Fork	1 1/4" tapered		<b>16</b> 55
Headset	Steel	21 2/22 5/27 0 20 0t -1	
Handlebars	Ereactyle	21.2/32.5/27.0, 38.0mm stack	
Stem	4 bolt BMX, alloy top	25.4mm clamp diameter 21.2mm insertion	
Grins	Trek Kraton	21.2mm insertion	
Brakes	Freestyle calipers f/r		
Brake levers	201DT		
Crankent	One-piece type, 44T	¥	
Bottom bracket	One-piece type, 441	1 piece	
Dodals	Platform	24 TPI	
Cassette	Platform	1/2" axle	
		1spd	
Front hub	Taya TB410	88 length, 1/8"	
Front ling	K alloy		
Front tire		20 x 1.9	26.8 lb.
Rear hub	J	Threaded, 1 speed, Nutted f/r, 110mm O.L.D.	12.17kg
Rear tire	Freestyle	20 x 1.9	
Tunes	Schraeder valve	1994 J. (2015) 19 Ct 197	
Pront Rim	Aluminum alloy	Rubber rim strip	
Rear Rim	Aluminum alloy	Rubber rim strip	
Spokes	14G	48 spoke 3x Front, 48 spoke 3x Rear	
		183, 183/182 (D/ND)	
Saddle	Shorty		
Seatpost		25.4mm diameter	
Seat binder	Alloy w/integral bolt	28.6 clamp diameter	
Additionals	Odyssey Gyro 2 rotor		
Colors	Mellow Gold • Cream w/fire/cream decal		
	Chrome • Cream w/jade/black decal		
Frame sizes Handlebar width Stem length Crank length Seatpost length Steerer, mm	All-around 685 50 170 350		
Spring # Fork Length Head angle	280mm axle-crown race 75.0		
Seat angle	74.0		
MM Standover			
Seat tube	229		
Head tube	115		
Eff top tube	513		
Reach	561		
Chainstays	368		
BB height	297		
Offset	33		
Trail	35		
Wheelbase	919		
IN Standover			
Seat tube	9.02		
Head tube	4.53		
Eff top tube	20.20		
Reach	22.10		
Chainstays	14.49		
BB height	11.69		
Offset	1.30		
Trail	1.38		
Wheelbase	36.18		
	\$10 PURE (PRO)		

		N-		
ľ	Main tubes			44
	Stays	High tensile steel		<b>16</b> 55
	Fork	Cro-Moly 1 1/4" tapered	2 2	10 33
4 4 4 6 1	Headset	Steel	21.2/32.5/27.0, 38.0mm stack	
1	Handlebars	Freestyle	25.4mm clamp diameter	
	Grips	4 bolt BMX, alloy top	21.2mm insertion	
	Brakes			
Bi	rake levers			
	Crankset		1 piece	
Botto	om bracket		24 TPI	
	Pedals		1/2" axle	
	Cassette		1spd	
	Chain	Taya TB410	90 length, 1/8"	
	Front hub	KT alloy		
	Front tire	Freestyle	20 x 1.9	26.4 lb.
	Rear nun	KT alloy, 14mm axle	Threaded, 1 speed, Nutted f/r, 110mm O.L.D.	11.99kg
	Rear tire	Schraeder valve	20 x 1.9	
	Front Rim	Aluminum alloy	Rubber rim strip	
	Rear Rim	Aluminum alloy	Rubber rim strip	
	Spokes	14G	48 spoke 3x Front, 48 spoke 3x Rear	
		Notices (Model)	183, 183/182 (D/ND)	
	Saddle	Shorty		
	Seatpost	Trek 90°	25.4mm diameter	
S	eat binder	Alloy w/integral bolt	28.6 clamp diameter	
P	Additionals	Odyssey Gyro 2 rotor, Trek pegs rear		
	Colors	Team Purple • Cream w/moss/chive decal		
	rame sizes llebar width	All-around 700		
	tem length	50		
	ank length	170		
	post length	350		
	teerer, mm	157		
	ork Length Head angle	280mm axle-crown race		
	Seat angle	75.0 74.0		
	Standover	,		
	Seat tube	229		
	Head tube	115		
Ef	ff top tube	513		
Reach Chainstays		561		
		387		
	BB height Offset	297		
	Trail	33 35		
	Wheelbase	919		
N	Standover	0.00		
	Seat tube	9.02		
	Head tube	4.53		
C	Reach	20.20 22.10		
	Chainstays	15.24		
	BB height	11.69		
	Offset	1.30		
	Trail	1.38		
	Wheelbase	36.18		

## **SUB VERT 3.0G**

Main tubes	Cro-Moly steel		44
Stays	Cro-Moly steel		
Fork	Cro-Moly, 1 1/4" tapered		<b>16</b> 55
Headset	Aheadset	21.2/32.5/27.0, 33mm stack	
Handlebars	Freestyle Cro-Moly	25.4mm clamp diameter	
Stem	Trek Alloy Ahead	31.7mm steerer clamp height	
Grips	Trek Kraton	31.7 min steerer clamp neight	
Brakes	Dia-Compe 990 f/r		
Brake levers			
Crankset	and the contract point of the contract of	1 piece	
Bottom bracket	One-piece type	24 TPI	
Pedals			
Cassette	Platform, alloy	1/2" axle	
Chain	16T	1spd .	
Front hub	Taya TB410	90 length, 1/8"	7
	KT alloy, 14mm axle	20 1 0	26.2 lb.
Front tire	Freestyle	20 x 1.9	11.89kg
Rear hub	KT alloy, 14mm axle	Threaded, 1 speed, Nutted f/r, 110mm O.L.D.	
Rear tire		$20 \times 1.9$	
Tubes	Schraeder valve	D. I.I.	
Front Rim	Aluminum alloy	Rubber rim strip	
Rear Rim	Aluminum alloy	Rubber rim strip	
Spokes	14G	48 spoke 3x Front, 48 spoke 3x Rear	
		183, 183/182 (D/ND)	
Saddle		Newton N NEW N	
Seatpost		25.4mm diameter	
Seat binder	Alloy w/integral bolt	28.6 clamp diameter	
Additionals	Fishbone UFO rotor, Trek pegs front and	rear	
Colors	Blue Moon • Cream w/moss abyss decal		
Frame sizes	All-around		
Handlebar width	700		
Stem length	50		
Crank length	170		
Seatpost length	350		
Steerer, mm	191		
Fauls Laurable	1		
Fork Length	280mm axle-crown race		
Head angle	75.0		
Seat angle	74.0		
MM Standover Seat tube	220		
Head tube	229		
Eff top tube	115		
Reach	520		
Chainstays	568		
BB height	387		
Offset	297		
Trail	33		
Wheelbase	35		
vviieeinase	940		
IN Standover			
Seat tube	9.02		
Head tube	4.53		
Eff top tube	20.47		
Reach	22.37		
Chainstays	15.24		
BB height	11.69		
Offset	1.30		
Trail	1,38		
Wheelbase	37.01		
THECHMOSE	21.01		