



MOOTS

2012 product catalog



company

Three decades ago, we started building high-performance bicycle frames in the back of a small bike shop in Steamboat Springs, Colorado. Today, we're still patiently building every frame by hand, one at a time. Titanium technology and our knowledge of what is possible with titanium have certainly evolved, and with them, the designs and performance of our bikes. Our factory is a little larger now, but still small enough that dogs roam the shop and lunchtime bike rides are the norm. The one thing that will never change? Our passion and commitment for building the finest riding bikes possible.





material

We've worked exclusively with premium, U.S.-made Moots Pi Tech titanium tubing for over 20 years. For each frame style and size in our extensive line of bikes, we custom spec a proprietary blend of tube diameters and wall thicknesses. That means that every single Moots frame within a specific model delivers the same intended ride characteristics — no matter the size. Road. Mountain. Cross. Custom. Every frame is hand-built to precise specs with extremely tight tolerances at every step of the process.





handcrafted

Our handcrafting process is a signature of Moots and it's ingrained in our team culture, whether we're building a new frame or designing the smallest of components. Miterring and shaping tubes. Welding. Applying our signature finish. Even the application of graphics and our classic die-cast head badge. It results in more than just an outstanding bike, though. It also creates in us a deep-seated, personal connection with every frame and component that leaves our shop.

This process in combination with the Pi Tech titanium we use gives us the ability to create your perfect bike, exactly as you want it. And who wouldn't want that to last forever?



lifetime

We often talk about our bikes as lifetime bikes, which we know is a pretty big claim. But the simple truth is, our bikes really do last a lifetime. It all centers on the unique qualities of our Moots Pi Tech U.S. titanium and our philosophy of building bikes that are as durable as they are enjoyable to ride. No other material provides as perfect a balance of liveliness and stiffness, responsiveness and control, high performance and comfort, and weight and durability, as titanium. Forever. So the magical ride quality you get on day one is the same experience you'll have thousands and thousands of miles later. To us, in a world of disposable products, the idea of something that truly lasts so long feels pretty good.



MOUNTAIN



new for spring 2012 MX DIVIDE AND DIVIDE

Our goal with the MX Divide and the Divide was to design and build, from the ground up, leading-edge titanium cross-country race and recreational bikes. To do so, we incorporated many of the key features from our RSL bikes to create a beautifully handling, light yet stiff ride, with a well-balanced suspension system that would excel equally well when climbing, accelerating and descending quickly through the wide variety of trail conditions we all encounter on fun, fast cross-country trails. The result is an exceptionally efficient bike with a modern single-pivot linkage design that brings together all the best features and learnings of today's proven cross-country suspension technology.

FUSION LINK SUSPENSION SYSTEM **A B C E**

Through a design collaboration with the Sotro Group, a leading full suspension engineering firm, we set out to achieve an exceptionally efficient cross-country suspension platform for 29" and 26" wheels. Specifically, our goals were to optimize plushness throughout the full range of travel while minimizing pedal bob during shorter, more aggressive climbs or longer tempo slogs.

- A FUSION SWING LINK** Formed out of carbon fiber to be light, stiff and very clean. This provides the connection between seat stays, frame and shock.
- B TITANIUM SEAT STAYS** Sculpted bearing points on each end (designed and machined in-house), mated to 7/8" stays that are ovalized and shaped to provide excellent strength, stiffness and clearance.
- C FOX RP-23 KASHIMA SHOCK** We incorporate the top-of-the-line Fox Kashima Coated Shock on all Divide frames to provide minimal friction during the shock compression and rebound.



- D OVERSIZED 30.9 SEATPOST** Helps optimize overall stiffness.
- E LOWER PIVOT DESIGN AND PLACEMENT** Optimal placement of the pivot works in conjunction with the Fusion Swing Link and RP-23 shock to help achieve maximum plushness throughout the entire travel range while minimizing pedal bob during climbs. Oversized bearings for long life and minimal maintenance.
- F OVERSIZED PF 30 BOTTOM BRACKET** The stiffer oversized BB increases power transfer efficiency through the drive line to help you more quickly accelerate.
- G 44MM HEAD TUBE** Smooth curves and flawless machining house the 44mm internal headset. It can run 1 1/2" to 1 1/8" tapered steerer tubes and provides a very strong and exceptionally stiff platform for precise steering and responsive handling.
- H POST MOUNT DISC/DROPOUT** Light, clean and strong, it's quickly becoming an industry standard.



MX DIVIDE

Available Spring 2012



MOOTS

Our most advanced mountain bike to date, the MX Divide is a light, appropriately stiff and well-balanced 29" cross-country race and recreation bike that incorporates the best features of today's proven suspension technology into our own Fusion Link platform. We developed the Fusion Link system in collaboration with the Sottogroup, leaders in full suspension design. It's an extremely efficient single-pivot-linkage design that maximizes plushness across the full range of travel while minimizing pedal bob to let the rider become one with the bike over a variety of trail conditions. To complement the suspension system, we integrated many of our most advanced RSL features, like a 44mm head tube, PF 30 bottom bracket, 30.9 seatpost and Ti seat stays, to provide increased stiffness and responsiveness where riders need it most. To complete the package, we designed the bike with a 100mm fork to deliver the same amount of obstacle-eating travel up front as exists in the rear.

INTENDED USE Cross-country racing and riding on 29" wheels.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT MOOTS.COM

DIVIDE

Available Spring 2012



MOOTS

Like the MX Divide, our Divide spares no expense in creating a well-balanced, lightweight 26" titanium cross-country race bike. We've designed the frame around our Fusion Link suspension platform to maximize plushness throughout the full range of travel while minimizing inefficient pedal bob. We also incorporated the most important features from our RSL bikes, including a 44mm head tube, PF 30 bottom bracket, 30.9 seatpost, 100mm fork and formed titanium seat stays to deliver increased stiffness, responsiveness and durability while delivering the magical ride quality you expect from a Moots.

INTENDED USE Cross-country racing and riding on 26" wheels.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT MOOTS.COM

MOOTO X RSL

Available Fall/Winter 2011



Our most serious cross-country race bike combines our love for larger wheels with over a dozen years perfecting the platform—resulting in a 29" bike like never before. To help attack technical descents more quickly and to ride more aggressively through mixed trail conditions, we bumped up the travel to 100mm. Unchanged are features like the 44mm head tube for increased front end stiffness, the PF 30 bottom bracket for more stiffness and immediate power transfer in the drive line, and our butted oversized seat tube that uses the 30.9 seatpost to offer unmatched stiffness and strength. Finally, we added a double-curved down tube to increase the fork crown clearance while also adding a bit of elegance to the overall look of the bike.

INTENDED USE Cross-country and short-track racing.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT MOOTS.COM

MOOTO X YBB

Available Fall/Winter 2011



The bike that started our 29" wheel movement 12 years ago, the Moots X YBB is still our most popular mountain bike. Its refined geometry offers a ride so smooth that many riders say it's perfect. Adding to the legend now is a 44mm oversized head tube that steps up the stiffness level and steering precision in the front end. We also added a single curve down tube to provide increased fork crown clearance. Lastly, we have increased the travel to accommodate 100mm forks across the entire size run so the 2012 Moots X YBB is faster, and dare we say, prettier than ever before.

INTENDED USE Cross-country/marathon riding and racing. The classic everyday rider.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT MOOTS.COM

MOOTO X

Available Fall/Winter 2011



The Mooto X is as versatile as it is balanced. A race-ready bike sporting geometry so refined it offers a smooth and responsive ride whether you're on a cross-country trek or a 24-hour race course, all with that ever-present magical ride quality of a Moots. This year we evolved the head tube to the 44mm oversized design for more front-end stiffness and handling responsiveness. We also formed the down tube to provide additional fork crown clearance and increased the travel to 100mm across all sizes for improved bump-eating ability. To complete the updates, we formed the chain stays to provide increased clearance to accommodate wider tires and a broader range of chain ring sizes.

INTENDED USE Daily cross-country riding or all-out racing.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT MOOTS.COM

YBB



An absolute Moots classic that started our love of titanium and the full suspension movement in the mountain bike industry. The 26" YBB originally came to life as a steel bike back in the mid-1980s. Then the fateful year of 1991 came along when we started building all of our bikes exclusively out of the magic metal of titanium. The YBB pivotless rear suspension offers 1 1/8" of rear wheel travel that takes the edge off the trail, day in and day out. This low-maintenance softail has been the go-to cross-country rig for over two decades, without sacrificing efficiency or weight. Available in eight stock sizes, with customs always an option.

INTENDED USE For the cross-country rider looking to take just enough of the edge off the trail while cross-country riding or racing.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT MOOTS.COM



CUSTOM

one of a kind

Each of our stock-sized bikes is designed with specific tubing diameters, wall thicknesses and performance features, so every frame we build delivers the intended ride quality and rider experience, regardless of model or size. However, with three decades of custom design and fabrication experience, along with the outstanding qualities of the titanium we use in all of our bikes, we have the ability to create truly one-of-a-kind bikes for any rider on any frame.

Think of our custom program as a continuum of sorts—from simple aesthetic additions to your frame to incorporating a specific performance option like a PF 30 bottom bracket to a ground-up custom build with unique geometry throughout. In every case our goal is to work with both you and your dealer to deliver the best ride (and ownership) experience you have ever had.



options

One of the most beautiful aspects of owning a Moots (beyond that magical ride) is the personalization that can be accomplished by adding options to any stock or custom frame. These add-ons make your bike work and play just like you dream about. Below are some popular options often chosen by owners:

- A 44MM HEAD TUBE INSET** Accommodates a 44mm inset headset to provide increased stiffness and enhanced responsiveness for razor-like handling.
- B PF 30 BOTTOM BRACKET** This oversized BB increases stiffness for more efficient power transfer through the drive line. Uses standard BB30 crank sets or adaptors with standard 24mm spindle cranks.
- C S & S COUPLERS** Convert many Moots models into the ultimate travel bike. These gorgeously machined couplers allow the bike to be packed into a 26" x 26" x 10" hard travel case that adheres to airline regulations for oversized bag charges.
- D DI2** Order your Moots equipped with internally routed cable wiring for an exceptionally clean setup. Welded-in wire ports smoothly guide the derailleurs and battery pack wires inside the tubes for those who fancy the electronic mode.
- E SLIDER DROPOUTS** Choose these when you desire a dedicated single-speed Rohloff hub or single speed with the option for gears; Moots slider dropouts add loads of versatility to a number of Moots models in a clean, strong and beautiful way.
- F PUMP PEG AND RACK EYELETS** Mount your frame pump securely with this clean weld-on option or add racks to your commuter or light touring bike.

For a full list of options and add-ons by model, visit **MOOTS.COM**





ROAD



VAMOOT'S RSL



Two years ago we introduced the Vamoots RSL to the family of Moots road bikes. Lightweight, stiff and durable, it leads the way in titanium technology with a level of performance evident from its very first ride. The oversized PF 30 bottom bracket maximizes drive-line stiffness while offering the largest contact point possible for the oversized double-buttet seamless U.S.-made tube set. Chain stays are oversized and tapered, adding more backbone to the drive train. Micro-diameter 6/4 seamless tubes for the seat stays deliver that Moots-smooth ride, no matter the road condition. New in 2012 is the "optional" 44mm head tube for even more upfront stiffness and steering responsiveness. The Vamoots RSL comes standard with its own dedicated and ride-tuned Moots RSL monocoque fork to complete the package.

INTENDED USE Aggressive high-performance, all-around road and road-race fit.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT MOOTS.COM

VAMOOT'S CR



The Vamoots CR is our most popular frame. This go-to, high-performance road machine can take the demands of high-level racing and low-key everyday outings with the same can-do attitude. Building on thirty-plus years of handcrafting bikes, the geometry of the CR has been refined into a responsive, no-nonsense build that will loyally serve you for years to come. The frame features a sloping top tube similar to the Vamoots RSL in race-fit geometry. Our size-specific tube set accompanies each of our nine stock sizes as well as custom builds. To complement the Vamoots CR we offer our new Moots road monocoque fork for enhanced ride quality and seamless aesthetics.

INTENDED USE Aggressive high-performance, all-around road and road-race fit.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT MOOTS.COM

VAMOOTS



Our take on the classic road frame. The Vamoots delivers a silky smooth, all-performance ride, allowing the rider a slightly more upright position via a relaxed geometry with a longer head tube and longer chain stays than the CR. We have been building the Vamoots for over 30 years, giving us a great depth of knowledge when it comes to ride quality and handling. This all comes to life in the current Vamoots with every stock frame incorporating size-specific tube sets to ensure the magical Moots ride is there mile after mile. Add our Moots road monocoque fork for unmatched ride quality and seamless aesthetics to complete the package.

INTENDED USE All-around road performer in any road-riding situation, training or racing.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT [MOOTS.COM](https://moots.com)

VAMOOTS LT (LIGHT TOURING)



The frame formerly known as the Mootour has now joined the Vamoots family of road bikes. After all, it's just another form of road riding, with more leeway in tire size accommodations. The Vamoots LT features long-reach road calipers (57mm reach) to accept larger road tires (think 30c or 32c) to take you beyond the pavement and onto mixed surfaces. Rough chip seal, large gravel and potholed dirt roads all meet their match with this frame, which features the traditional aesthetics of a performance road set up. This frame is a favorite for the traveling set. Just add couplers, a Tailgator rack and a small selection of tires to the travel case and there are no roads left unriden during all your light touring adventures.

INTENDED USE Light touring, credit card tours and long and short rides on mixed-surface roads.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT [MOOTS.COM](https://moots.com)

PSYCHLO X RSL

Available Fall 2011



Our goal was to build the finest-performing titanium cyclocross race bike with zero compromise to Moots' quality and lifetime durability. Goal accomplished. It starts with a 44mm head tube for unmatched steering and handling and a double-buttressed oversized tube set to minimize weight and maximize stiffness. We added a PF 30 bottom bracket and 30.9 seatpost for increased stiffness and responsiveness, so seated efforts don't go wasted while you churn through sand or mud. Chain stays are formed to provide ample room for 32c and 34c tubulars and to provide excellent mud clearance. The seat stays use our oversized mono stay design and incorporate a taper at the dropout. Pair the Psychlo X RSL with our new all-carbon Moots monocoque cross fork, and you've got a match made in cyclocross nirvana.

INTENDED USE Elite and serious recreational cyclocross racing.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT MOOTS.COM

PSYCHLO X PSYCHLO X YBB



Built to perform at the highest levels of racing and riding, whether on the cyclocross course, gravel road epic or your daily commute. This lightweight yet supremely durable workhorse offers the high level of performance you need with the unmatched ride Moots is known for. Once they've had the chance to explore the many surfaces that can be tackled aboard this versatile beauty, it quickly becomes the one bike most folks can't live without. The Psychlo X is also available with our YBB pivotless suspension system for those looking to take a little more of the edge off. Built with our size-specific 3/2.5 U.S.-made tube set, this frame is available in eight stock sizes, with custom always available.

INTENDED USE All-out cyclocross race performance, gravel epics or daily commutes.

FULL FEATURES, OPTIONS AND SPECIFICATIONS AT MOOTS.COM

COMPONENTS

To complement our handcrafted frames we offer a full line of Moots titanium stems, seatposts and mountain bike bars. These components are built with the same highest quality, U.S.-made seamless Moots Pi Tech tubing and the same care and attention to detail we use to handcraft our frames. Our components are also available with color-matching, anodized hardware and decals to personalize your ride and match your frame decals. We also now offer Moots-designed carbon monocoque road forks.



RSL STEM This stem was originally brought to life to complement the Vamoots RSL, resulting in a 120-gram stem that is as durable as it is beautiful. A windowed steerer clamp, a double-band faceplate and 6/4 titanium hardware complete a package that oozes pure style.



OPEN ROAD The benchmark of titanium stems, our open road stem has bi-ovalized, oversized tubing for lateral rigidity and strength. And like every other Moots product, it is double-pass welded by our skilled crew at Moots. A four-bolt 31.8mm faceplate holds aluminum or carbon bars with an even pressure from top to bottom.



OPEN TRAIL This titanium mountain bike stem lives up to anything 31.8mm handlebars can throw its way. A four-bolt faceplate keeps things locked down up front, with our smooth, no-knee-bruising dual binder taking care of business on the steerer tube clamp.



CINCH SEATPOST A high-end component should be light, durable, beautiful and user-friendly. Enter the cinchpost, the culmination of 20 years of building titanium seatposts, with an innovative dual-adjustment system that easily and quickly lets you adjust fore and aft placement as well as angle.



TITANIUM HANDLEBAR It's one of the most important contact points on a bike, crucial to control, comfort and durability. With our 3/2.5 grade U.S.-made seamless Ti handlebar, available in several different bends, you can dial in your ride for years to come. Hand-formed and finished to perfection, this traditional flat bar can take on the roughest of trails.

NEW RSL TITANIUM SPACERS In addition to our clean and seamless standard spacer, we now offer a new RSL spacer. Machined in-house, the RSL spacers offer a simple curved radius to give a much overlooked area of a bike a nice flow from Moots stem to headset top cap. These 1 1/8" diameter spacers come in 5mm, 10mm and 20mm increments. Custom always available.

NEW VAMOOT'S RSL FORK Designed to complement the Vamoot's RSL frame, this fork features a one-piece monocoque design. Weighing around 360 grams, it combines balanced stiffness with extreme performance. Available in three rakes (40mm, 45mm and 50mm) to match a wide range of frame sizes.

NEW MOOTS ROAD FORK This 1 1/8" steerer tube fork designed for Vamoot's CR and Vamoot's frame sets is offered in three rakes (40mm, 45mm and 50mm) to bring out the best performance of your Moots road bike. The full carbon monocoque design is lightweight at approximately 330 grams, well balanced and durable. It can be installed on older Moots road bikes, as well.

NEW MOOTS CYCLOCROSS FORK Designed to an industry standard of 395mm from axle to crown and 47mm fork rake offset, this fork is stiff and light and offers a tremendous amount of tire and mud clearance. For all our forks, we partnered with a premier high-end fork manufacture to design and develop a true one-piece monocoque design from dropouts to top of steerer tube. This fork incorporates all the features you need to help steer you through the nastiest cyclocross season you can throw at it. We've optimized cantilever placement and incorporated "brake pockets" to aid in simple wheel removal. The Moots cyclocross fork weighs approximately 450 grams and comes with a custom Mr. Moots top cap and expander plug system.

moots.com

Be sure to visit Moots.com and check out the more in-depth model and feature information for all Moots bikes and components. It's also the place to purchase accessories and branded Moots riding apparel. While on the site, you can also join the Moots Rider's Club, follow the Moots blog, check out our calendar of events and Rider's Club happenings, participate in our forum and much more.





be meaningful

We aim to handcraft the best bikes we possibly can. Along the way, we actively involve ourselves in the community and strive to operate our company as socially and environmentally responsible as possible. We recently installed a full-roof solar electric system to help power the factory. Little did we realize at the time, but it also happens to be the largest solar installation in Routt County. We also adhere to stringent recycling standards for all our waste materials. We're proud to support the Steamboat Springs Winter Sports Club Youth Cycling Program as well as numerous local non-profit organizations and regional and national bicycling advocacy groups. We even cultivate a Moots community garden. These are just a few examples of the things we do to make Steamboat Springs a better place and to support the cycling community that has given us so much. In the end, these efforts are born of a philosophy that spans all aspects of how we run our business.



MOUNTAIN

NEW MX DIVIDE 29"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE /C-T/ [IN]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
16	22.5	16.75	10	70.5	74	13	17.8	30.8	100mm
17	23	16.75	11	70.5	74	13	17.8	30.8	100mm
18	23.5	18.5	12	71	74	13	17.8	30.9	100mm
19	24.25	18.5	12	71	74	13	17.8	31	100mm
20	24.75	19.5	13	71.5	74	13	17.8	31	100mm
22	25.5	21	14	71.5	74	13	17.8	31.1	100mm

NEW DIVIDE 26"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE /C-T/ [IN]	LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
14	21.2	15.75	11	69	73.3	13	16.9	29	100mm
15	21.6	15.75	12	69	73.3	13	16.9	29.1	100mm
16	22.2	15.75	13	70	73.3	13	16.9	29.3	100mm
17	22.8	15.75	13	70	73.3	13	16.9	29.3	100mm
18	23.3	17.5	14	70	73.3	13	16.9	29.3	100mm
20	24.3	19.5	16	71	73.3	13	16.9	29.4	100mm

UPDATED MOOTO X RSL 29"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE /C-T/ [IN]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
16*	22.5	16	10	71	74.5	11.875	17.55	29.3	100mm
17	23	16.5	10	71.25	74.25	11.875	17.55	30.8	100mm
18	23.5	17.5	11	71.25	74	12	17.55	31.6	100mm
19	24.25	18.5	11	71.25	73.75	12	17.55	32	100mm
20	24.75	19.5	12	71.5	73.5	12	17.55	32.7	100mm
22	25.5	21	13	71.5	73.25	12.125	17.55	33.7	100mm

*CURVED TOP TUBE STANDARD FOR GREATER STAND-OVER

UPDATED MOOTO X YBB + MOOTO X 29"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE /C-T/ [IN]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
16*	22.5	16	10	70.5	74.5	11.875	17.8	29.8	100mm
17	23	17	11	70.75	74.25	12	17.8	31.4	100mm
18	23.5	RIG 17.5/YBB* 19.5	12	71	74	12	17.8	31.7	100mm
19	24.25	RIG 18.5/YBB* 19.5	12	71.25	73.75	12.125	17.8	32.2	100mm
20	24.75	20	13	71.5	73.5	12.125	17.8	33.2	100mm
22	25.5	22	14	71.5	73.25	12.25	17.8	34.3	100mm

*CURVED TOP TUBE STANDARD FOR GREATER STAND-OVER

YBB 26"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE /C-T/ [IN]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
12*	20.5	16.92 YBB/14 RIG	10	70.3	74	11.63	16.8	25.5	80mm
14*	21.25	16.92	10	70.5	73.8	11.75	16.8	27.1	80mm
16	22	17.27	10.5	70.8	73.5	11.75	16.8	28.2	80mm
17	22.5	18.42	10.5	71	73.3	11.88	16.8	29.3	100mm
18	23	19.16	11	71.3	73.3	11.88	16.8	30.2	100mm
19	23.5	19.5	12	71.3	73	12	16.8	30.7	100mm
20	24.25	20	14	71.5	73	12.13	16.8	31.4	100mm
22	25	21	16	71.8	72.3	12.13	16.8	32.4	100mm

*COMES STANDARD WITH A CURVED TOP TUBE FOR GREATER STAND-OVER

12" YBB HAS TOP TUBE TO SEAT TUBE STRUT

Spec Definitions and Notes

- Effective Top Tube: Measured parallel to ground, from top of head tube center to seat tube center
 - Seat Tube Length: Center of BB to top of seat tube
 - BB Drop: From axle center line to BB center
 - Stand-Over: Measured at top tube mid-point. Full suspension MTBs measured at full travel extension
- All Mountain Bikes: It's possible some frame size/fork/ make/model combos may cause down tube to fork interference
 - MX/MXYBB/YBB: Designed for use with 160mm max disc brake rotors, and with Shimano 50mm chainline cranksets using 22/32/42 gearing

ROAD TOUR CROSS

VAMOOTs RSL

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /C-T/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE
48	51.5	45	10	72.5	74.75	7.4	40.5	28.5	11.5	50
50	52.5	46	10.5	72.75	74.5	7.4	40.5	28.8	10.8	50
52	53.5	47	11.5	73	74.25	7.3	40.5	29.2	10.6	45
54	54.5	48	12.5	73.25	74	7.2	40.5	29.6	10.4	45
55	55.5	49	13.5	73.25	73.5	7.2	40.7	30	10.4	45
56	56.5	50	14.5	73.25	73.25	7.2	40.7	30.4	10.2	45
58	57.5	51.5	16	73.75	73	7.1	41	31	10.1	40
60	58.5	53	17.5	74	73	7	41	31.6	9.9	40
62	59.5	55	19.5	74.25	72.5	6.8	41.5	32.4	9.7	40

VAMOOTs CR

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /C-T/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE
48	51.5	45	10	72.5	74.75	7.4	40.5	28.6	9.3	50
50	52.5	47	10.5	72.75	74.5	7.4	40.5	29.1	7.5	50
52	53.5	48.5	11.5	73	74.25	7.3	40.5	29.6	6.8	45
54	54.5	50	13	73.25	74	7.2	40.5	30.1	6.7	45
55	55.5	51	14	73.25	73.5	7.2	40.7	30.5	6.7	45
56	56.5	52	15	73.25	73.25	7.2	40.7	30.9	6.7	45
58	57.5	53.5	16.5	73.75	73	7.1	41	31.5	6.6	40
60	58.5	55	18	74	73	7	41	32.1	6.4	40
62	59.5	57	20	74.25	72.5	6.8	41.5	32.9	6.3	40

VAMOOTs

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /C-T/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE
48	51	48	10.5	72	74	7.6	41	29.2	6.6	50
50	52	50	11	72.25	74	7.6	41	29.7	4.8	50
52	53	52	12	72.5	73.5	7.5	41	30.2	3.6	50
54	54	54	14	72.5	73.5	7.4	41.5	31	3.4	50
55	55	55	15	72.75	73.25	7.4	41.5	31.4	3.5	45
56	56	56	16	72.75	73.25	7.4	41.5	31.7	3.4	45
58	57	58	17	72.75	73	7.3	42	32.3	2.3	45
60	58	60	19	73	72.5	7.2	42	33.1	2.3	45
62	59	62	21	73	72.5	7	42	33.9	2.1	45

VAMOOTs LT (LIGHT TOURING)

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /C-T/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]*	STAND-OVER [IN]	TOP TUBE SLOPE
54	54	53.5	14	72.5	73.5	8	43	30.6	4.3
55	55	55	15	72.75	73.25	8	43	31.1	4.9
56	55.8	56	16	72.75	73	7.8	43	31.6	4.6
58	56.3	57.5	18	73	72.75	7.6	43	32.3	5
59	57.5	59	19	73	72.5	7.6	43	32.8	4.4
*45CM CHAIN STAYS OPTIONAL									

NEW PSYCHLO X RSL

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /C-T/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE
50	52.5	48	12	71.5	74.5	6.3	42.3	30.5	9.8
52	53.5	52	13	72	74	6.3	42.3	31.5	6.4
54	55	54	14	72.5	73.5	6.1	42.3	32	5.3
55	56	55	15	72.5	73.5	6.1	42.3	32.4	4.6
56	57	56	16	72.5	73	6.1	42.3	32.8	4.7
58	58.5	58	17	73	73	6.1	42.3	33.4	3.6
60	60	60	19	73	72.5	6	42.3	34.1	3.5

PSYCHLO X + PSYCHLO X YBB

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /C-T/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]*	STAND-OVER [IN]	TOP TUBE SLOPE
50 RIG	52.5	48	10.5	71.5	74.5	6.3	42.3	30.4	7.8
50 YBB	52.5	50.5	10.5	71.5	74.5	6.3	42.3	30.6	6.9
52	53.5	52	11	72	74	6.3	42.3	31.2	3.9
54	55	54	12.5	72.5	73.5	6.1	42.3	31.8	3.7
55	56	55	13.5	72.5	73.5	6.1	42.3	32.3	3.1
56	57	56	14.5	72.5	73	6.1	42.3	32.7	3.3
58	58.5	58	15.5	73	73	6.1	42.3	33.1	2.4
60	60	60	17.5	73	72.5	6	42.3	34	1.9

*PSYCHLO X YBB CHAIN STAY LENGTH IS 43CM

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