



Moots

product catalog 2013



“This is one of my favorite short-road loops in Steamboat. We call it the Emerald Loop. About thirty miles with seven of them dirt. The little red schoolhouse/home marks the beginning of the dirt and the stout two-mile climb that awaits.” JON CARIVEAU MARKETING MANAGER

There is a lot of engineering, exacting craftsmanship and proven design that go into creating a great bike. It's a harmony of art and science. But in the end, what makes a bike really great is the form it takes in the life of a rider. The rideability of the frame. The function it serves. And the endless miles of discovery it enables.

At Moots, our team of skilled craftspeople builds bike frames by hand, one at a time, in a small shop in Steamboat Springs, Colorado. It's a great place to work, and a great place to call home. We're surrounded by a collection of backcountry roads and jaw-dropping single track that serves as the test pieces, and personal inspiration, for every bike we design.

The following pages take a look at the detail that goes into every bike we make, as well as the new fleet for 2013. We hope you appreciate the process as much as we do that makes every frame uniquely Moots.

here's to the ride



material

Titanium is a magic material. There is truly nothing else like it. It allows us the ability to customize so much in our build process to dial in the perfect ride for our owners.

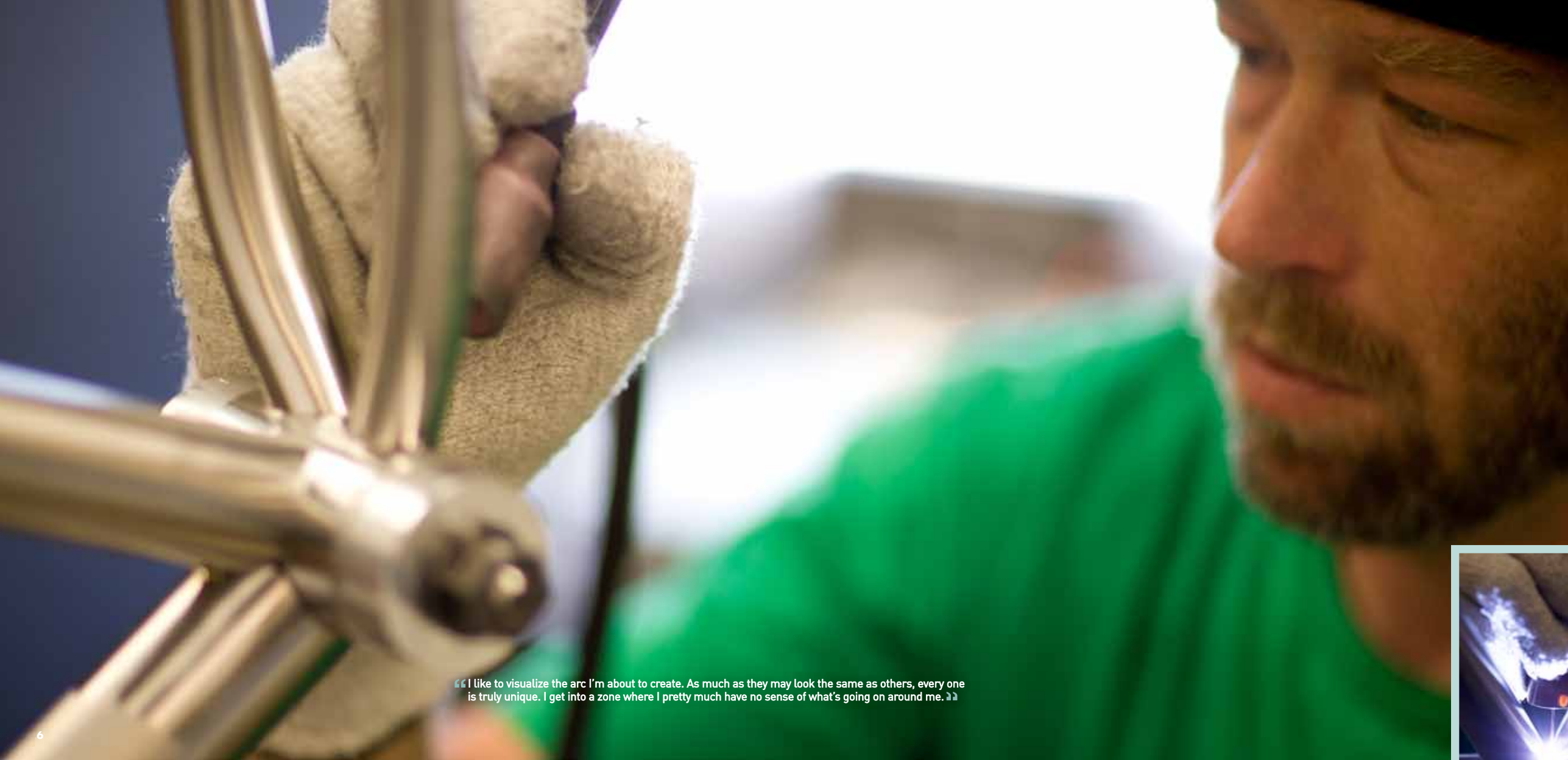
Over two decades ago, we turned to using premium, U.S.-made Moots Pi Tech titanium in our frames. And we've been working exclusively with it ever since, refining the way the material comes to life in every frame we build. By using the latest in modern technology, coupled with decades of experience with the material, we're able to create frames that were unheard of even a few years ago. For each frame style and size in our extensive line of bikes, we custom spec a proprietary blend of tube diameters and wall thicknesses to deliver the exact ride characteristics we seek—no matter the size.



NATE BRADLEY MITERING SUPERVISOR
Years with Moots 3
Current Moots Ride Mooto X
Favorite Post Ride Beer Foster's
Secret Passion Food, all types and lots of it!



“ I like that most every single bike we make is somewhat unique. In mitering, we have to make decisions and solve problems that lead to the design of tooling that will ensure the perfect fit-up of tube sets. I get stoked knowing that my personal touches will stay with each frame, forever. ”



craftsmanship

Every Moots bike frame and component is crafted by hand, by a team of experienced, passionate cyclists. It's a signature of Moots, and it's ingrained in our values. Mitering and shaping tubes. Welding. Applying our signature finish. Even the application of graphics and our classic die-cast head badge. Road. Mountain. Cross. Custom. Every frame is hand-built to precise specs with extremely tight tolerances at every step of the process. It results in more than just an outstanding bike. It also creates in us a deep-seated, personal connection with every frame and component that leaves our shop.

“I like to visualize the arc I’m about to create. As much as they may look the same as others, every one is truly unique. I get into a zone where I pretty much have no sense of what’s going on around me.”



CALEB FRANKLIN WELDING SUPERVISOR

Years with Moots 12

Current Moots Ride Divide

Favorite Trail The last one I've ridden

Dream Vacation New Zealand

lifetime

We know that calling our bikes lifetime bikes is a pretty big claim. But the truth is, our bikes really do last a lifetime. It centers on the unique qualities of our titanium and our commitment to 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, performance and comfort, and weight and durability as titanium. So the magical ride quality you get on day one is the same experience you'll have thousands and thousands of miles later. Buy it right. Buy it once. Enjoy it forever.



SAM GORDON FINISHING SUPERVISOR
Years with Moots 7
Current Moots Ride Mooto X YBB
Favorite Post Ride Beer Red Stripe
Favorite Movie Big Trouble in Little China



“I always hold the thought close in my head that each of these bikes is super special to the future owner. It's nice to know that there aren't many bike companies left doing things this way.”



“When I was younger I had a mentor, who also owned a bike shop who was all about “out-nicing” the other guy and getting involved in the community. He really took me under his wing and helped me develop into a bike racer and a strong community volunteer. Working with the kids in the Steamboat Cycling Club is my way of continuing to say thank you for all he did for me.”

build with purpose

We don't have a formal corporate policy about community service or recycling or bike commuting. But we always try to operate as responsibly as we can. And we have a lot of folks who bring the philosophy to life in their own unique ways. Whether it's shoveling three feet of new powder off the solar panels on the roof, building a bike for a fund-raising auction, or pitching in on a local trail project, we're psyched to help make some sort of impact when possible. In the end, maybe it really is a sort of corporate policy. Minimize your impact. Maximize your experiences. And try to do some good along the way.



BRYCE DAVIESS MITERING/WELDING
 Years with Moots 1
 Current Moots Ride Vamoots RSL and SS Mooto X RSL
 Secret Passion Tandems
 If I Could Dine With Aldo Leopold



RACE SUPER LIGHT



VAMOOTS RSL



MOOTO X RSL




PSYCHLO X RSL

Whether road, mountain or cross, each RSL was designed and built from the same platform of elite performance. They are designed to be raced at the highest levels and provide the best ride experience available to cyclists today. The name RSL stands for Race Super Light. But it delivers so much more.

To achieve the desired low weight, stiffness and responsiveness, each RSL incorporates our proprietary Moots double-buttressed tubing and unique forming and shaping in targeted areas of the frame specific to each model. Additionally, each frame utilizes an oversized, Press Fit 30 bottom bracket for increased stiffness in the drive line, an oversized 30.9mm seatpost for increased stiffness up top and either a standard, or optional, 44mm head tube to provide increased handling responsiveness up front. Finally, all of the frames can be mated seamlessly with our RSL stem. On average, these three bikes are significantly stiffer, more responsive and up to 15% lighter than their very capable non-RSL brethren. And, to top it all off, they come with the same lifetime durability of every Moots frame.

the moots family of RSL bikes has our most responsive, lightweight and performance-oriented frames to date

A full-page photograph of two mountain bikers riding a narrow dirt trail through a dense forest of tall, slender aspen trees. The ground is covered in fallen leaves and low-lying vegetation. The lighting is bright, suggesting a sunny day. The bikers are wearing helmets and athletic gear. The image is used as a background for the advertisement.

Trading skis for bikes on a classic fall day, Jon and Pat drop into an aspen slalom run on the ski hill.

MOUNTAIN



Whether riding on flowy, desert single track, endless high-country ribbon or loamy and rooty eastern test pieces, our mountain bike lineup is designed to bring a lifetime of beautiful riding for both serious cross-country racers and recreational riders alike. The range covers the spectrum from our newest 4" dual-suspension bikes, the MX Divide and Divide to our pure 29" and 26" Rigor hardtails. Throughout the line are many common performance features, like a 44mm head tube for increased front-end stiffness and handling responsiveness. Regardless of the model you choose, we are committed to building the finest riding and most durable mountain bike you will ever own.



MX DIVIDE 29"

We started from scratch to develop our most advanced 29" dual suspension bike ever. This well-balanced 4-inch travel, lightweight cross-country bike, centered around our new Fusion Link suspension system is equally at home on a technical racecourse or long days in the saddle when comfort, performance and efficiency are at a premium. Utilizing features from our RSL family helped us achieve high levels of stiffness, sublime ride quality and lifelong durability. Key features such as a 142 x 12 rear axle, Press Fit 30 bottom bracket and 44mm head tube provide stiffness in all the critical areas and help propel this bike into a category all its own.

Intended use Cross-country racing and recreational riding.



MOOTO X RSL 29"

Our stiffest hardtail to date, the Mooto X RSL is built for pure speed and quick handling in a package that is as indestructible as it is beautiful. Go back to where it all started with a hardtail that now incorporates modern day materials and design. Our proprietary RSL double-buttressed tubing, oversized Press Fit 30 bottom bracket and 44mm head tube all come together to create this wicked racing machine. Whether regional races on the weekend that push your equipment as much as they do your body or quick, after-work loops to flush away the hectic day, this is the starting line for a wonderful relationship with a new best friend.

Intended use Cross-country racing, plus all-around cross-country riding.



MOOTO X YBB 29"

The amazing pairing of our legendary YBB pivotless rear suspension and 29" wheels make this our most popular frame in the fleet. From everyday cross-country riding to the ever-popular endurance "epics" dotting today's racing calendar, the Mooto X YBB gives you just enough relief to take the edge off without over complicating your basic suspension needs. Features like a 44mm head tube provide a stiff front end while the curved down tube provides solid fork crown clearance for those times when you and mother earth collide.

Intended use Cross-country riding and racing, all distances.



MOOTO X 29"

It's a match made in heaven. Moots titanium and 29" wheels. Our classic all-around 29" hardtail, the Mooto X is a well-balanced, cross-country machine that is equally at home in a fast, flowy short-course race as it is on a twelve-hour mixed trail epic. Regardless of your riding preference or hometown trail types, the Mooto X will deliver that magical Moots ride quality, hour after hour, day after day and year after year. The Mooto X is designed with an oversized 44mm head tube for more front-end stiffness and handling responsiveness. Additionally, we incorporated a curved down tube to provide additional fork crown clearance for the 100mm fork the bike was designed around.

Intended use Daily cross-country riding or all-out racing.



DIVIDE 26"

Our smaller sibling of the MX Divide, this 26" dual-suspension frame shares the same tubing technology and innovations as its big brother. Designed to be raced over technical cross-country courses or ridden hard over endless miles of recreational single track, the Divide incorporates a 44mm head tube for greater front-end stiffness and handling responsiveness, an oversized Press Fit 30 bottom bracket for enhanced power transfer, a 142 x 12 rear axle for increased lateral rear-end stiffness, and our proprietary Fusion Link suspension system for plush and smooth travel through the entire 4" range.

Intended use Cross-country racing and recreational riding.



YBB 26"

A true classic through and through, the YBB has been our beloved baby since the mid-80's when this bike introduced rear suspension to the fledgling mountain bike industry. Sure, it's undergone some changes over the years but largely has remained unchanged for good reason. Why fix what ain't broke? The YBB pivotless suspension provides 1 1/8" of rear wheel travel to help soak up the small- to medium-sized trail hits without having any maintenance issues to manage. Light, dependable and extremely durable, the YBB has decades of owners in true, lifetime love.

Intended use Cross-country riding and racing.



Corey chases his early morning shadow on a pre-work ride southwest of town.

ROAD



Our road bike family is a diverse group of frames, each designed and hand built to deliver specific ride qualities. Ranging from the top-shelf Vamoots RSL that you're likely to see gunning for the general classification in a stage race to the Vamoots LT, which will deliver endless smiles while busting out your favorite long-distance gravel loop with friends. Regardless of the model, our goal is to deliver to you the highest performing, most enjoyable ride you'll ever experience.



VAMOOTs RSL

We designed this race bike to deliver absolute ride stiffness and responsiveness (on par with many high-end carbon bikes) while retaining that magical silkiness that only Moots titanium can deliver. We incorporate the latest in double-butted tubing technology along with key features that increase stiffness and reduce weight in all the right areas of the bike. The result is an incredibly responsive bike that climbs like a mountain goat and descends like a gazelle.

Intended use Elite level road-racing and serious recreational road-riding.



VAMOOTs CR

Our most popular road model, the CR maintains geometry similar to the RSL but incorporates our signature Moots tubing. This bike is designed for riders who want a quick and responsive bike that is equally at home in your local crit, Tuesday Night Worlds group ride or more casual-paced century.

Intended use Road-racing and serious recreational road-riding.



VAMOOTs

This is the bike where the Moots road love began. Our classic geometry, ever-so-slightly-relaxed handling, more upright fit and longer wheel base give this bike a beautiful mix of all-day comfort and performance. Take your pick: century rides, casual Sunday group rides or the occasional race, the Vamoots is sure to keep that grin on your face all day long.

Intended use Recreational racing, gran fondos and general road-riding.

VAMOOTs LT

We designed the LT (Light Touring) with a more relaxed geometry to deliver exceptional performance without sacrificing comfort for all-day adventures, multi-day credit card tours and any mixed road conditions or surfaces you may encounter along the way. The LT uses long-reach road calipers to let larger 32c tires comfortably fit to gracefully extend the boundaries for your particular definition of “adventure.”

Intended use Light-load touring, credit card touring and mixed surface road-riding.



PSYCHLO X RSL

Our leading-edge cyclocross bike was designed to excel in the harshest race conditions Mother Nature can dish up to the cross world. This recently crowned “Best Cyclocross Bike” at the 2012 North American Handbuilt Bike Show and CX Magazine’s reader’s “Dream Bike” choice award is the lightest, stiffest and most responsive cross bike we’ve designed to date. To nail this ride quality, we utilized our proprietary RSL double-butted tubing to decrease weight while increasing stiffness, incorporated a 44mm head tube for more responsive handling, formed the top tube for comfortable shouldering, shaped the chain stays for increased tire and mud clearance and integrated an oversized Press Fit 30 bottom bracket to maximize lateral rigidity in the power center. Marry the Psychlo X RSL frame to our Moots cross fork, and your dream cross bike awaits.

Intended use High-level cyclocross racing.



PSYCHLO X + PSYCHLO X YBB

Our longstanding favorite, the Psychlo X cyclocross bike has been thoughtfully refined over the years to become the one go-to bike you will never want to be without. Born from our passion for cyclocross, the Psychlo X has evolved to not only be an exceptional race bike but a world-class all-around road bike, as well. Whether you’re looking to race at the highest levels, enjoy a high-performance commuter bike or open your road-riding options up to adventurous all-day (or all-week) gravel grinders, the Psychlo X is eager to fill all your lifetime riding wishes.

Intended use Cyclocross racing, gravel road epics or daily commutes.





Amy hones in on her task at hand: laying consistent beads in the small spaces of a road stem.

COMPONENTS



We've applied the same quality materials, precision processes and exacting care used throughout our frame building efforts to produce a collection of stems, seatposts, handlebars and spacers. Hand crafted with U.S.-made 3/2.5 seamless thin-walled, oversized titanium tubing, each of our components features precise miters, flawless double-pass welds and the ability to make the connection between rider and bike as seamless as possible for the ultimate ride experience.



A RSL FORK This one-piece, Moots-designed monocoque constructed carbon fiber fork is built to complement the ride of the Vamoots RSL frame. Incorporating the highest quality carbon and layup process, the RSL fork is offered in three rakes (40mm, 45mm and 50mm) to match your individual frame geometry to achieve the best possible handling. Weighing approximately 350 grams, this fork is painted to color-match our frames for a seamless transition while combining balanced stiffness with exceptional performance.

B ROAD FORK Our all-purpose Road fork is designed to enhance the ride of our Vamoots CR, Vamoots and any older 1 1/8" head tube Moots frame. It incorporates a leading edge, one-piece monocoque design, with the highest quality carbon and layup process. The Road fork is available in three rakes (40mm, 45mm and 50mm) to deliver excellence in precise cornering, solid out-of-the saddle sprinting and aggressive climbing. The Road fork weighs approximately 330 grams.

C CYCLOCROSS FORK Light, stiff and offering a tremendous amount of mud and tire clearance, the Moots Psychlo X fork weighs in at approximately 450 grams and is ready for anything the nastiest cross racecourse can throw its way. Special brake "pockets" were designed into the inner legs of the fork for additional clearance of brake pads and ease of wheel removal. The fork features a crown-mounted cable stop option and cantilever posts that have been placed for perfect brake adjustment and stroke. This fork measures 395mm from axle to crown, with a 47mm rake.

HANDLEBAR Top off your ride with the pure strength and vibration-absorbing beauty of our handmade titanium handlebar. Each bar is built with hand-selected, U.S.-made 3/2.5 seamless material shaped to perfection in four stock widths and two different sweeps to perfectly match your riding needs.

RSL TI SPACERS Did you notice those sexy curves on your RSL head tube? Now you can match that same curve in the headset spacers you choose to fine-tune your RSL fit. Designed to create that seamless transition with our Moots stems, these details complete the Moots touch from top to bottom.

MOOTS TI SPACERS Matching titanium headset spacers seamlessly complete any Moots frame build in style. These super strong and lightweight spacers are Moots-machined in-house and available in three sizes.

RSL STEM Designed and built as part of the RSL family of frames, this stem achieves the same increased stiffness and reduced weight objectives while upholding our passion for durable "real-world" bicycle components. The RSL stem features thin-walled, U.S.-made 3/2.5 oversized tubing, a windowed steerer tube clamp, our four-bolt, double-banded faceplate, including 6/4 titanium hardware and, of course, our signature Moots welds. This jewel seamlessly connects you with your RSL frame and does so at a scant 120 grams.

OPEN ROAD The Open Road stem has set the standard for many years for all titanium road stems. The large diameter bi-ovalized extension and four-bolt, Moots-machined aluminum 31.8mm faceplate holds both carbon and aluminum bars precisely and securely. Our Moots-engraved dual binder clamps the fork steerer tube with an even amount of pressure while providing a no-knee bruising design. Available in a wide range of sizes and rises along with your choice of colored anodized faceplate and matching decal set, the Open Road stem weighs in at 158 grams.

OPEN TRAIL Designed and hand crafted to take on any trail conditions riders and their 31.8mm bars can steer its way, the Open Trail stem completes our stem lineup. It incorporates an oversized trail-eating extension, bomber double-pass welds, and a four-bolt faceplate that utilizes di-chromate bolts for strength and corrosion resistance. The Moots dual binder keeps things straight and secure on the steerer tube while staying thoughtfully out of the way of your knees when trail conditions get rough. Available in a wide range of stock sizes, this rugged beauty weighs in at 158 grams.

CINCH SEATPOST The Moots Cinch seatpost is the simplest, most hassle-free titanium seatpost on the market today. It features a clever dual independent adjustment that allows you to set your saddle tilt and fore-aft without affecting the other. Easy saddle installation and quick and smooth adjustments informed the name of this post. It's a "Cinch" to use. The Cinch seatpost is offered in a Straight or Layback design, with choice of anodized color side plates, in two different diameters and three lengths. And, of course, we use titanium hardware throughout for a lifetime of lightweight, strong and corrosion-free service.



hello, perfect

Custom is all about the relationship between bike and rider. Sure, it's about geometry. But it's also about intended use. In that way, every bike we make is custom to a degree. We work with each owner, and their dealer, to dream about their bike. And then bring it to life. The right tube sets for a particular ride quality. The right geometry to fit each owner. And all the little bits that dial it in just right, from simply locating pump pegs and bottle bosses to rack mounts for that trans-Rockies epic.

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

TRACY BURGE SCHOOL TEACHER
Hometown Clarksville, Ohio
First Moots 2012 Mooto X YBB - Custom
First Race on it 2012 Tour Divide

Thought for the Day "I DO NOT like being part of the food chain."



“Creating dream bikes is what we live for. After partnering with Moots on many customs over the years, we know that when we nail the fit, they will nail the ride. So, bringing Tracy's dream to life was a true pleasure.”

MITCH GRAHAM
MOOTS OWNER & DEALER
Biowheels, Cincinnati, OH





Jon and Pat hold onto the last glow of evening on a quiet Mt. Werner ridge above town before the descent home.

Since our beginning, we've focused on the technology and form titanium takes in the life of special bikes and have never rested on our laurels. When it comes to thinking about how to build a higher performing titanium bike, we don't really rest, period. Even on powder days.

Three decades of experience has led to the leading-edge, lifetime bikes we offer today to a growing family of Moots cyclists across the globe. We take great pride in what we do. But then, if you're building something that lasts forever, it's the only way to do it.

We invite you to take one of our demo bikes for a test ride by visiting your nearest authorized Moots Dealer. You can learn more about Moots, our bikes and the great team of people who build each and every one, as well as access our online Dealer Locator by visiting **MOOTS.COM**

choose your ride



MOUNTAIN

MX DIVIDE 29"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEATTUBE /C - T/[IN]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAINSTAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
16	22.50	17.0	10	70.50	74.00	13	17.8	30.8	100mm
17	23.00	17.0	11	70.50	74.00	13	17.8	30.9	100mm
18	23.50	17.5	12	71.00	74.00	13	17.8	30.9	100mm
19*	24.25	19.0	12	71.00	74.00	13	17.8	31.1	100mm
20*	24.75	19.5	13	71.50	74.00	13	17.8	31.1	100mm
22*	25.50	21.0	14	71.50	74.00	13	17.8	31.2	100mm

*DESIGNED WITH TOP TUBE TO SEAT TUBE STRUT

MOOTO X RSL 29"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEATTUBE /C - T/[IN]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAINSTAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
16*	22.50	16.0	10	71.00	74.50	11.875	17.55	29.8	100mm
17	23.00	16.5	10	71.25	74.25	11.875	17.55	31.3	100mm
18	23.50	17.5	11	71.25	74.00	12.000	17.55	32.1	100mm
19	24.25	18.5	11	71.25	73.75	12.000	17.55	32.5	100mm
20	24.75	19.5	12	71.50	73.50	12.000	17.55	33.2	100mm
22	25.50	21.0	13	71.50	73.25	12.125	17.55	34.1	100mm

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

MOOTO X YBB 29"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEATTUBE /C - T/[IN]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAINSTAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
16*	22.50	19.5**	10	70.50	74.50	11.875	18.1	29.3	100mm
17*	23.00	19.5**	11	70.75	74.25	12.000	18.1	29.5	100mm
18*	23.50	19.5**	12	71.00	74.00	12.000	18.1	32.2	100mm
19*	24.25	19.5	12	71.25	73.75	12.125	18.1	32.2	100mm
20	24.75	20.0	13	71.50	73.50	12.125	18.1	33.7	100mm
22	25.50	22.0	14	71.50	73.25	12.250	18.1	34.9	100mm

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

**DESIGNED WITH TOP TUBE TO SEAT TUBE STRUT

Spec Definitions and Notes

- All Mountain Bikes: Stand-Over measured un-sagged with 2.2" tires
- All YBB and Hardtail Bikes: All specs, except Stand-Over, measured with 25% sag
- All Full Suspension bike specs measured un-sagged
- 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 Height: From flat ground to center of BB with 2.2 tire
- Stand-Over: Measured at top tube mid-point, un-sagged
- All Mountain Bikes: Some frame size/fork model combos may cause down tube to fork crown interference
- All Mountain Bikes: Designed for use with 160mm max disc brake rotors and with Shimano 50mm chainline cranksets using 22/32/42 gearing

MOOTO X 29"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEATTUBE /C - T/[IN]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAINSTAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
16*	22.50	16.0	10	70.50	74.50	11.875	17.8	29.8	100mm
17	23.00	17.0	11	70.75	74.25	12.000	17.8	31.8	100mm
18	23.50	17.5	12	71.00	74.00	12.000	17.8	32.2	100mm
19	24.25	18.5	12	71.25	73.75	12.125	17.8	32.8	100mm
20	24.75	20.0	13	71.50	73.50	12.125	17.8	33.7	100mm
22	25.50	22.0	14	71.50	73.25	12.250	17.8	34.9	100mm

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

DIVIDE 26"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEATTUBE /C - T/[IN]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAINSTAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
14	21.2	15.75	11	69.00	73.25	13	16.9	29.2	100mm
15	21.6	15.75	12	69.00	73.25	13	16.9	29.3	100mm
16	22.2	15.75	13	70.00	73.25	13	16.9	29.3	100mm
17	22.8	15.75	13	70.00	73.25	13	16.9	29.3	100mm
18*	23.3	17.50	14	70.00	73.25	13	16.9	29.3	100mm
20*	24.3	19.50	16	71.00	73.25	13	16.9	29.5	100mm

*DESIGNED WITH TOP TUBE TO SEAT TUBE STRUT

YBB + RIGOR 26"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEATTUBE /C - T/[IN]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAINSTAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL
12*	20.50**	16.92 YBB/14 RIG	10.0	70.25	74.00	11.63	16.8	27.1	80mm
14*	21.25	16.92	10.0	70.50	73.75	11.75	16.8	28.8	80mm
16*	22.00	17.27	10.5	70.75	73.50	11.75	16.8	30.2	80mm
17	22.50	18.42	10.5	71.00	73.25	11.88	16.8	31.2	100mm
18	23.00	19.16	11.0	71.25	73.25	11.88	16.8	31.7	100mm
19	23.50	19.50	12.0	71.25	73.00	12.00	16.8	32.1	100mm
20	24.25	20.00	14.0	71.25	73.00	12.13	16.8	32.8	100mm
22	25.00	21.00	16.0	71.75	72.25	12.13	16.8	33.7	100mm

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

**12" DESIGNED WITH TOP TUBE TO SEAT TUBE STRUT

ROAD TOUR CROSS

VAMOOT'S RSL

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEATTUBE /C - T/[CM]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAINSTAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [M M]
48	51.5	45.0	10.0	72.50	74.75	7.4	40.5	28.5	11.1	50
50	52.5	46.0	10.5	72.75	74.50	7.4	40.5	28.8	10.4	50
52	53.5	47.0	11.5	73.00	74.25	7.3	40.5	29.2	10.5	45
54	54.5	48.0	12.5	73.25	74.00	7.2	40.5	29.6	10.3	45
55	55.5	49.0	13.5	73.50	73.50	7.2	40.7	30.0	10.2	45
56	56.5	50.0	14.5	73.50	73.25	7.2	40.7	30.4	10.1	45
58	57.5	51.5	16.0	73.75	73.00	7.1	41.0	30.9	10.3	40
60	58.5	53.0	17.5	74.00	73.00	7.0	41.0	31.6	10.0	40
62	59.5	55.0	19.5	74.25	72.50	6.8	41.5	32.3	9.9	40

VAMOOT'S CR

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEATTUBE /C - T/[CM]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAINSTAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [M M]
48	51.5	45.0	10.0	72.50	74.75	7.4	40.5	28.6	9.0	50
50	52.5	47.0	10.5	72.75	74.50	7.4	40.5	29.1	7.2	50
52	53.5	48.5	11.5	73.00	74.25	7.3	40.5	29.6	6.7	45
54	54.5	50.0	13.0	73.25	74.00	7.2	40.5	30.2	6.6	45
55	55.5	51.0	14.0	73.50	73.50	7.2	40.7	30.5	6.6	45
56	56.5	52.0	15.0	73.50	73.25	7.2	40.7	30.9	6.5	45
58	57.5	53.5	16.5	73.75	73.00	7.1	41.0	31.5	6.7	40
60	58.5	55.0	18.0	74.00	73.00	7.0	41.0	32.1	6.6	40
62	59.5	57.0	20.0	74.25	72.50	6.8	41.5	32.9	6.5	40

VAMOOT'S

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEATTUBE /C - T/[CM]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAINSTAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [M M]
48	51.0	48.0	10.5	72.00	74.00	7.6	41.0	29.2	6.2	50
50	52.0	50.0	11.0	72.25	74.00	7.6	41.0	29.7	4.4	50
52	53.0	52.0	12.0	72.50	73.50	7.5	41.0	30.2	3.3	50
54	54.0	54.0	14.0	72.50	73.50	7.4	41.5	31.0	3.1	50
55	55.0	55.0	15.0	72.75	73.25	7.4	41.5	31.4	3.4	45
56	56.0	56.0	16.0	72.75	73.25	7.4	41.5	31.7	3.3	45
58	57.0	58.0	17.0	72.75	73.00	7.3	42.0	32.3	2.2	45
60	58.0	60.0	19.0	73.00	72.50	7.2	42.0	33.2	2.3	45
62	59.0	62.0	21.0	73.00	72.50	7.0	42.0	33.9	2.0	45

VAMOOT'S LT

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEATTUBE /C - T/[CM]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAINSTAY LENGTH [CM]*	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [M M]
54	54.0	53.5	14	72.50	73.50	8.0	43.0	30.9	5.2	49
55	55.0	55.0	15	72.75	73.25	8.0	43.0	31.4	4.7	46
56	55.8	56.0	16	72.75	73.00	7.8	43.0	31.8	4.5	46
58	56.3	57.5	18	73.00	72.75	7.6	43.0	32.5	4.9	46
59	57.5	59.0	19	73.00	72.50	7.6	43.0	32.9	4.4	46

*45CM CHAIN STAY OPTIONAL

PSYCHLO X RSL

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEATTUBE /C - T/[CM]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAINSTAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [M M]
50	52.5	48.0	12	71.50	74.50	6.3	42.3	30.5	10.4	47
52	53.5	52.0	13	72.00	74.00	6.3	42.3	31.5	6.6	47
54	55.0	54.0	14	72.50	73.50	6.1	42.3	32.0	5.3	47
55	56.0	55.0	15	72.50	73.50	6.1	42.3	32.4	5.2	47
56	57.0	56.0	16	72.50	73.00	6.1	42.3	32.8	5.3	47
58	58.5	58.0	17	73.00	73.00	6.1	42.3	33.4	4.2	47
60	60.0	60.0	19	73.00	72.50	6.0	42.3	34.1	4.0	47

PSYCHLO X + PSYCHLO X YBB

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEATTUBE /C - T/[CM]	HEADTUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAINSTAY LENGTH [CM]*	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [M M]
50 RIG	52.5	48.0	10.5	71.50	74.50	6.3	42.3	30.4	7.9	47
50 YBB	52.5	50.5	10.5	71.50	74.50	6.3	42.3	30.6	7.3	47
52	53.5	52.0	11.0	72.00	74.00	6.3	42.3	31.2	4.1	47
54	55.0	54.0	12.5	72.50	73.50	6.1	42.3	31.8	3.5	47
55	56.0	55.0	13.5	72.50	73.50	6.1	42.3	32.3	3.4	47
56	57.0	56.0	14.5	72.50	73.00	6.1	42.3	32.7	3.5	47
58	58.5	58.0	15.5	73.00	73.00	6.1	42.3	33.1	2.6	47
60	60.0	60.0	17.5	73.00	72.50	6.0	42.3	34.0	2.6	47

*PSYCHLO X YBB CHAIN STAY IS NON-FORMED AND LENGTH IS 43.0CM - ALL SIZES

Spec Definitions and Notes

- All Road Bikes: Stand-Over measured with 23c tire
- All CX Bikes: Stand-Over measured with 32c tire
- 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
- The combination of some frame sizes, foot size and tire sizes may result in toe overlap

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