



NEW FOR 2010

Road: We are excited to introduce the Vamoots RSL, the lightest, stiffest and most aggressive road bike we have ever built. Incorporating a complete race design with leading edge titanium tubing technology the Vamoots RSL delivers an exceptionally responsive, nimble and fast ride. Additionally, we have updated the design of the Compact and the Vamoots to ensure we have a frame for every rider profile. Finally, keep your eyes out for our new hand casted head badge that will proudly adorn all Moots Road Bikes. Please see page eight to learn more about our newest road offerings.

Mountain: It's time to light the candles and sing Happy 10th Birthday to our popular Mooto X YBB 29" mountain bike. It's hard to believe it's been ten years since we were one of the very first in the industry to offer 29" wheels on a mountain bike. Thanks MX YBB, for ten great years of gobbling up rooted, rutted and ledgy singletrack! Here's to many more. Please see page 19 to view the birthday boy in his limited edition birthday suit!



Components: We've designed the exceptionally light and durable RSL Stem to complement our new Vamoots RSL road bike. This beauty weighs in at a mere 121 grams yet has the same exceptional strength of our classic Open Road Stem. Please see page 27 for more information.



Color Options: We will be offering a small selection of decal and parts color packages for all of our bikes. In addition to the standard decal package and select parts kits on our bikes, you will now have the option of choosing color options to coordinate your new or existing Moots with your preferred build kits. Please see page 18 for further details.

THANK YOU

Thank you for taking the time to learn more about Moots. If you have any questions, please contact your nearest Moots dealer, visit our website www.moots.com or call us here at the shop. In the meantime, enjoy your riding wherever it may take you. And, should it take you to Steamboat Springs or anywhere nearby, please come by and say hi. We'd love to show you how we build each and every one of our frames and parts.



2010 MOOTS ROAD BIKES Which Moots is Designed for Me?

VAMOOTS RSL **new**

The Race Super Light – The lightest and stiffest Moots road bike, ever



DESIGNED FOR: The serious racer who demands the highest performance titanium race bike available.

- Full race geometry for aggressive riding position and precise handling
- Proprietary Reynolds/Moots internally butted 3/2.5 titanium tubing provides greater stiffness while reducing weight
- Press Fit 30 oversized bottom bracket increases stiffness and reduces weight
- Micro-diameter 6/4 titanium seat stays increase stiffness and strength while reducing weight
- Solid 6/4 titanium rear drop outs for increased strength and reduced weight
- RSL Stem with 6/4 Ti bolt package significantly reduces stem weight (sold separately)
- Co-Designed Moots/Alpha Q GS 40 fork offers excellent aerodynamics and handling

VAMOOTS CR **updated**

The Compact Race – An updated race design of our classic compact



DESIGNED FOR: Serious racers and recreational riders who demand a high performance race ready bike

- Full race geometry similar to the Vamoots RSL for aggressive riding position and precise handling
- Compact front triangle provides increased stiffness while reducing weight
- Moots proprietary seamless Pi Tech 3/2.5 titanium tubing provides the coveted silky-yet-stiff Moots ride quality
- Slightly longer head tube than the Vamoots RSL
- Slightly less top tube slope and a longer seat tube length than the Vamoots RSL

VAMOOTS **updated**

The Classic Sport Club Racer – A slightly less aggressive version of the Vamoots CR



DESIGNED FOR: The century rider and recreational club rider or occasional racer who demands the combination of a high performance titanium bike with all day comfort

- More relaxed geometry than the Vamoots CR for all day comfort in the saddle
- Moots proprietary Pi Tech seamless 3/2.5 tubing provides the coveted silky-yet-stiff Moots ride quality
- Longer head tube and Chain Stays than the Vamoots CR provide a more upright and stable ride
- Less top tube slope and increased seat tube length than the Vamoots CR for a more classic design



MOOTOUR

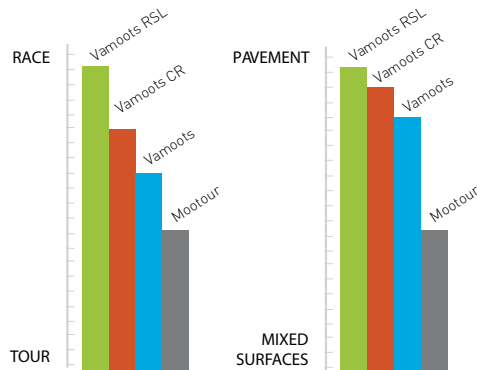
The Ultimate Sporty Light Tourer



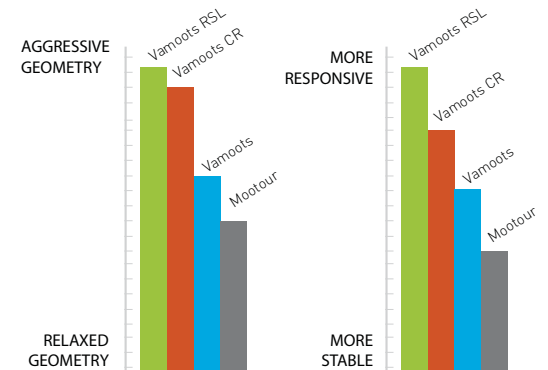
DESIGNED FOR: The rider who is looking for a versatile and comfortable high performance bike for longer rides, all day adventure rides and multi-day tours on a variety of road surfaces

- Relaxed geometry for a more comfortable riding position
- U.S. made Moots proprietary seamless Pi Tech 3/2.5 tubing provides the coveted silky-yet-stiff Moots ride quality
- Long reach fork allows for larger tires and ample fender clearance
- Longer 43 cm chainstays and beefier seat stays provide a more stable ride when lightly loaded for tours
- Rack eyelets and fender mounts for easy accessorizing
- S&S Couplers for easy travel (additional charge)

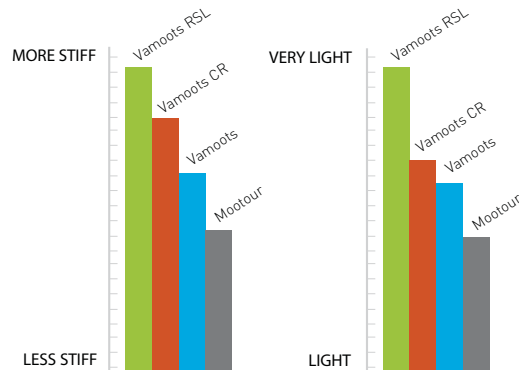
INTENDED USE



HANDLING



RIDE QUALITY



THE NEW VAMOOT'S RSL: The Highest Performance, Most Durable Titanium Race Bike available today.



A INTERNALLY MANDREL DOUBLE BUTTED AND TAPERED REYNOLDS 3/2.5 TUBING.

Objective: To develop a tube set that maintains a very high outside diameter-to-wall ratio to provide greater stiffness at the bottom bracket while reducing weight and maintaining comfort.

Result/Benefit: Top Tube; 20% lighter, Seat Tube; 15% lighter and 9% larger, Down Tube; 2% lighter and 7% larger, Chain Stays; 9% lighter and 22% larger. The decreased weight and increased tubing sizes provide maximum stiffness. This translates to greater power transfer from rider to bike.

ONE BIKE, 2 GOALS:

ONE. Build the lightest and stiffest high performance titanium road bike available to a racer today.

TWO. Do it with absolutely zero compromise to the longstanding premium Moots quality and lifetime durability.

Mission Accomplished! The Vamoots RSL is THE bike for serious racers looking for maximum performance. The RSL is stiffer than the Vamoots CR, weighs 15% less and is a lifetime bike backed by a lifetime warranty. Take a closer look.

B 6/4 TITANIUM MICRO DIAMETER SEAT STAYS

Objective: Reduced weight and increased strength.

Result/Benefit: 32% lighter and 20% smaller. Results in a laterally stiff rear triangle and lighter overall frame weight.

C PRESS FIT 30 OVERSIZED BOTTOM BRACKET

Objective: Maximize stiffness in the bottom bracket cluster where power from cranks is directly transferred from rider to the rear wheel.

Result/Benefit: The oversized bottom bracket delivers 38% more stiffness while reducing weight by 5%. The result is a more immediate and efficient power transfer from rider to wheel during sprints and attacking climbs.



D CNC MACHINED 6/4 MOOTS TITANIUM MODIFIED BREEZER-STYLE DROPOUT

Objective: Increased strength and decreased weight.

Result/Benefit: 32% lighter than Moots standard drop out. Results in a laterally stiff rear triangle and lighter overall frame weight.

E CNC MACHINED HEAD TUBE COLLARS AND LARGER MACHINED VENT HOLES

Objective: Reduce weight in head tube cluster.

Result/Benefit: 21% lighter with less extension for more aggressive riding position while maintaining strength and stiffness.



Vamoots RSL New



RSL STEM new
Super light and strong road stem



30.9 Cinchpost
Increased stiffness and strength



**MOOTS/ALPHA Q
GS 40 FORK**
more aerodynamic design



RSL DECAL PACKAGE
one of a kind cosmetics

VAMOOTSRSL

Vamoots CR New

An updated design to our previous Compact. This light, stiff and fast bike is for the serious rider who expects the most of their time on the bike. Built with a sloping top tube and similar geometry to the RSL, this frame covers all aspects of riding and racing while maintaining all the magical Moots qualities.

INTENDED USE

Built for a no compromise road performance. This frame can handle all the demands of rigorous training, up-tempo group rides and high-level racing.

FEATURES

Classic road racing geometry with the legendary Moots ride quality and durability. A slightly longer head tube than the previous Compact maintains an aggressive riding position without the need for large spacers. Available in nine stock sizes as well as custom.

TECH

U.S. made Moots Pi Tech seamless 3/2.5 oversized, size specific tubing, 7/8" constant diameter chain stays, standard English threaded bottom bracket, replaceable derailleur hanger, standard 1 1/8" head tube, 27.2 diameter seat post, 130mm rear spacing

OPTIONS: custom designs, S & S couplers, track drop outs, pump peg, chain hanger, rack eyelets, 3rd H2O mount, color packages

*Vamoots CR shown with optional Red decal and parts color package



Vamoots Updated

A Moots road frame that has earned the status of classic over the last 28 years. The level top tube frame has been re-tuned for 2010. A taller head tube, coupled with longer chain stays and more relaxed angles, now gives this classic even better manners for the all day routes as well as the competitive group outing.

INTENDED USE

All purpose road riding, training and racing. Well mannered handling for an exceptional all around high performance road riding experience. Performance in a classic package for a lifetime of riding.

FEATURES

Classic road geometry with the Moots legendary ride quality and durability. A taller head tube provides a more relaxed, upright position for all day comfort in the saddle. Available in nine stock sizes as well as custom designs.

TECH

US made seamless 3/2.5 oversized, size specific tubing, 7/8" constant diameter chain stays, standard English threaded bottom bracket, replaceable derailleur hanger, standard 1 1/8" head tube, 27.2 diameter seat post, 130mm rear spacing

OPTIONS: custom designs, S & S couplers, track drop outs, pump peg, chain hanger, rack eyelets, 3rd H20 mount, color packages.

*VAMOOTs shown with optional Blue decal and parts color package



VAMOOTs

Mootour

The perfect bike for those longer road rides that may roll you over a combination of smooth pavement, hard packed dirt, broken paths or cobbles. Or, if light touring with a rack and a credit card or randonneuring is your preferred adventure, this is the bike for you. Historically, this style of bike has been popular since the first Paris Brest Paris rolled around the French countryside. Big tires fit easily with the 43cm chain stays and long reach road calipers. Add on a Moots Tailgator rack and bag system and you'll be ready for any adventure.

INTENDED USE

Club rides, light touring and the road less traveled all sum up the many uses of the Mootour. Works perfectly with Couplers to become your coveted easy-to-travel-with bike.

FEATURES

Generous head tube lengths provide for relaxed geometry and a comfortable upright riding position. Comes nicely equipped for light touring and commuting with rack eyelets and fender mounts. Available in five stock sizes as well as custom.

TECH

US made seamless Moots Pi Tech 3/2.5 oversized, size specific tubing, 7/8" constant diameter chain stays, standard English threaded bottom bracket, replaceable derailleur hanger, standard 1 1/8" head tube, 27.2 diameter seat post, 130mm rear spacing

OPTIONS: custom design, S & S couplers, pump peg, chain hanger, 3rd H2O mount, color packages.

*MOOTOURL shown with standard Black decal package

Mootour shown with S&S Couplers and in our 26" x 26" airline compliant travel case.



Psychlo X + Psychlo X YBB

A true classic cross design with no feature left out. Over the years our cross design has been refined through field testing by the best racers in the world in the worst of race conditions; rain, snow, sleet and plenty of MUD! These conditions demand the best in equipment and design. From top to bottom this rig has only high level cross racing on its mind. Ample chain ring and tire clearance are a must, responsive handling and acceleration are a premium. All are nailed to perfection with the Psychlo X. Whether on your shoulder or under pedal, the Psychlo X delivers in the best... and worst of conditions.

INTENDED USE

Cross racing and fast paced dirt road riding. Also adapts to be a great commuting or touring bike. Available in seven stock sizes and custom designs

FEATURES

Classic Moots Cross geometry with top tube cable routing, mud free tapered chain stay design, front derailleur pulley and welded seat binder.

TECH

U.S. made seamless Moots Pi Tech 3/2.5 oversized, size specific tubing, 7/8" constant diameter chain stays, standard English threaded bottom bracket, replaceable derailleur hanger, standard 1 1/8" head tube, 27.2 diameter seat post, two water bottle locations, cantilever brakes, 130mm rear spacing for 34c tires

OPTIONS: custom designs, S & S couplers, slider drop outs, track drop outs, pump peg, chain hanger, rack eyelets, 3rd H2O mount, disc mount, color packages.

*PSYCHLO X shown with optional Black decals and Red parts color package



Comooter

Carefully selected top shelf components and a lightweight 700c handcrafted titanium frame combine to form the finest performing and many say the best looking commuting bike on the planet. Whether in early morning fog on city potholed streets, rain and cold on suburban roads or sunny evenings on lazy back roads, the Comooter shines in all conditions. The Comooter is offered as a complete bike.

INTENDED USE

All types of commuting; fast training rides disguised as commuting, longer alternative routes to the office when time isn't a factor or anything in between. Although the Comooter is downright beautiful, it's all about performance at its core.

FEATURES

Relaxed geometry highlighted by a swooping top tube for a more upright riding position and 700c wheels for nimbleness in traffic and speed on the pavement serve as the platform on which sits a no-corners-cut build kit. See below for a complete list. Slider drop outs, 700c wheels, fender and rack mounts, sculpted seat tube, generator front and rear lights, metal fenders, stainless steel rack.

TECH

U.S. made Moots Pi Tech seamless 3/2.5 tubing, 1 1/8" headset, 27.2 diameter seatpost, 130mm rear dropout spacing, ISO disc tab, 68mm Bottom Bracket width with standard English threads and 31.8 front derailleur clamp.

OPTIONS: custom, S & S couplers, pump peg, chain hanger, rack eyelets, 3rd H2O mount, decal color.

*COMOOTER shown with standard grey decal and parts color package. Colored parts package is not available for the Comooter.

COMOOTER BUILD KIT

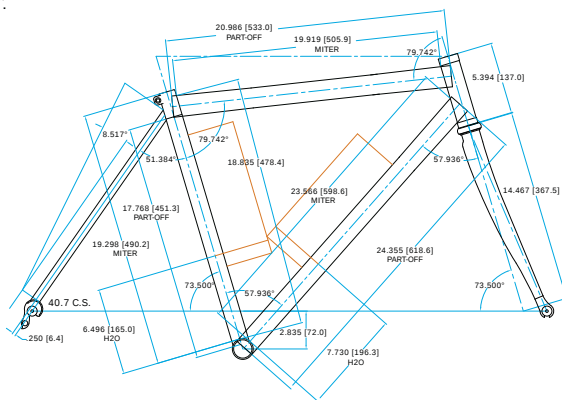
Rohloff Internal 14 Speed Hub in Moots slider dropouts, DT Swiss x470, 32 hole front and rear, Schwalbe 38c Marathon reflective sidewall, belted tread tires, Wound Up cross fork, disc specific and eyelets, Chris King 1 1/8" No Thread Set head set, Moots Open Road stem, Moots Ti flat bar with 8 degree sweep, Moots 27.2 Cinchpost, Brooks Swallow black saddle, White Industries cranks, Magura Louise brakes with 160mm rotors, Honjo polished aluminum full cover fenders, Schmidt generator front light, rack mounted Busch & Muller Droplight XS Senso rear light and Tubus Cosmo.

Build Kit subject to change without notice.



MOOTS CUSTOM PROGRAM *Custom Design**

At Moots, custom bicycle frames are near and dear to our hearts. So much so that we have incorporated all of the fine tuning and customizing tricks we have learned over 29 years of custom frame building into our complete line of stock bikes. With custom tubing selected for each size, multiple tubing diameters throughout and variable wall thicknesses for each frame tube, our stock bikes are designed to be as "custom" as we can make them short of individual-specific geometry. That's where our Custom Design Program comes into play! Take any Moots model; road, mountain or cross, add in your specific fit and performance requirements, throw in a wide selection of popular options like Slider dropouts or S&S couplers, and voila! A handcrafted Moots custom bike designed and built precisely to fit you like a glove and perform like a dream! Whether it's for racing or touring, Moots custom bikes are truly one-of-a-kind. Get started today by working with your Moots dealer to get professionally fit. Together, you two will complete the Moots Custom Frame Program work book, available online at www.moots.com or at your local Moots Dealer.



A. S&S Couplers for quick break down and easy traveling **B.** Lightweight and durable Slider drop outs for running single speed while retaining the option of gears **C.** Rohloff Speedhub offers an exceptional all weather flawless shifting 14 speed internal hub system that offers a similar range of gearing to traditional drive trains **D.** Other popular options include Track Drop Outs, rack eyelets, fender mounts, third H2O mounts, pump pegs and chain hangers.

*All Moots custom designs will come with this signature decal next to the model name. See page 14.

MOOTS COLOR OPTIONS

We now offer color decal options and/or color parts packages to help a Moots owner coordinate their decals and select Moots parts kits with their preferred component build kits.

DECALS: All Road bikes will come with the Moots Road logo decals in **Black Outline/White Fill** as the Standard decal package. Optional Road decal color packages will be **Red Outline/White Fill** and **Blue Outline/White Fill**.

All Mountain bikes and the Comooter will come with our traditional Moots logo with **Grey Outline/White Fill** as the Standard decal package.

Optional MTB decal color packages will be **Black Outline/White Fill**, **Red Outline/White Fill** and **Blue Outline/White Fill**.

COLORED PARTS PACKAGES: All Road bikes except the Comooter will have the option of coming with a coordinated color parts package to match the decals.* The package includes Open Road Stem Faceplate and Cinchpost Guts. The Varmoots RSL will also include a Seat Collar Clamp. The Standard parts color package is Grey. Color options are Black, Red and Blue.**

All Mountain bikes will have the option of coming with a coordinated color parts package to match the decals*. The package includes the Open Trail Stem Faceplate, Cinchpost Guts and Seat Collar Clamp. The Standard parts color package is Grey. Color options are Black, Red and Blue**

Coordinated Parts Package

	Stem Face Plate	Seat Collar	Cinchpost Guts
Grey/White: Standard all Mountain Bikes + Comooter			
			
Blue/White: Option for all bikes			
			
Black/White: Standard all Road Bikes + Option for all others			
			
Red/White: Option for all bikes			
			

*All decals and parts colors attempt to match the standard Chris King colors. However, due to alloy differences on Moots parts and the nature of the anodizing process, all colors may not perfectly match. See bike photos in this catalog to see different color packages on different bikes.

**There will be an additional cost for including the colored parts package with your frame and components.

Mooto X YBB 29" Happy 10th Birthday*

This year marks the 10th anniversary of the Mooto XYBB. Wow! While we had no way of knowing how the 29'er platform would sweep the mountain biking world, we did believe we were onto something sweet. Ten years and hundreds of 29" MXYBB's later, to celebrate this special occasion we are proud to offer the birthday boy himself with a special Limited Edition decal package. The first 75 2010 MXYBB's sold will come with this once-in-a-decade decal package. Ride a piece of history with one of the original 29'ers! What will the next decade hold?

INTENDED USE

Fastest possible 29'er for all types of riding and racing; short track, marathons, 24hr races, long group rides and those special epic all day adventures. Extra comfort of the YBB unit combined with the coveted Moots titanium keeps the pilot feeling fresh and ready for more after even the longest of rides.

FEATURES

Simple yet proficient, lightweight YBB suspension system with 1 1/8" pivotless travel at the rear wheel, U.S. made Moots Pi Tech seamless 3/2.5 CWSR tube set with top of top tube/top pull cable routing, through guides for rear hydraulic disc brake line, ISO disc tab, replaceable derailleur hanger. Available in four stock sizes and custom designs.

TECH

1 1/8" headset, 27.2 diameter seatpost, 135mm rear dropout spacing, 68mm bottom bracket width with English thread, 35mm front derailleur clamp/seat clamp, designed for 80 mm fork.

OPTIONS: custom, S & S couplers, pump peg, chain hanger, rack eyelets, 3rd H2O mount, decal color

*MOOTO X YBB shown with Limited Edition decal package and Red parts kit.



Mooto X 29"

One of the most versatile mountain bikes in our entire lineup, the Mooto X Rigor can be built up in a number of cool configurations; clean and simple for a wicked fast race machine, drop bars and thin tires for a beastly Monster Cross, slider dropouts and rigid fork for the ultimate single speed racer or with rack eyelets and a moustache bar for a great off road touring bike. What would you do with your Mooto X?

INTENDED USE

Our lightest weight race-ready 29'er is built for speed and versatility. The Mooto X can be built up with drop bars, Slider dropouts, S&S couplers, rack eyelets and many other options. Truly a benchmark for all 29" mountain bikes.

FEATURES

U.S. made Moots Pi Tech seamless 3/2.5 CWSR tube set with top of top tube/top pull cable routing, through guides for rear hydraulic disc brake line, ISO disc tab and replaceable derailleur hanger. Available in five stock sizes and custom designs.

TECH

1 1/8th" headset, 27.2 diameter seatpost, 135mm rear dropout spacing, 68mm bottom bracket width w/English thread, 35mm front derailleur clamp/seat clamp, designed for 80mm fork.

OPTIONS: custom, S & S couplers, pump peg, chain hanger, rack eyelets, 3rd H2O mount, decal color.

*MOOTO X shown with the Standard Grey decal and parts color package.



Mooto XZ 29"

29" wheels and 4" of plush travel make the Mooto XZ big fun! The MXZ avoids smooth single track in search of ledgy, loose and rocky backcountry bliss. When a big, epic day is in store, this is the ride you'll want.

INTENDED USE

Plush full suspension 29er for the epic racer, backcountry explorer and serious trail rider.

FEATURES

4" travel MARC full suspension system and 6061 alloy rear triangle mated to our Moots Pi Tech seamless 3/2.5 titanium front triangle. The MXZ comes equipped with a Fox RP23 rear shock with ProPedal, replaceable derailleur hanger and through guides for hydraulic disc brake line. Available in five stock sizes and custom designs.

TECH

1 1/8" headset, 27.2 diameter seatpost, 135mm rear dropout spacing, 73mm bottom bracket width with standard English thread, 35mm front derailleur clamp, Fox RP23 with Pro Pedal, designed for 100mm fork. 16.5" frame has curved top tube for increased stand over height.

OPTIONS: custom design, decal color

*MOOTO XZ shown with standard Grey decal and parts color packages



MOOTO XZ



Gristle 96er

The best of both worlds; 29" in the front, 26" in the rear! It may look a tad bit strange but it sure rides in a well behaved way. The bump-eating and momentum generating bigger front wheel perfectly complements the smaller, stiffer and more quickly accelerating rear wheel. The Moots Gristle is available in 3 flavors; Rigor, YBB and 4" travel Zirkel.

INTENDED USE

Race-ready design that is all about moving quickly over mixed terrain. Equally at home on smooth, sweeping single track or loose rocky switchbacks, the Gristle has taken its riders to many podium finishes.

FEATURES

29" front wheel, 26" rear wheel, U.S. made Moots Pi Tech seamless 3/2.5 tubing, through guides for hydraulic disc brake line, Rigid rear, YBB suspension unit or 4" MARC Suspension with FOX RP 23 Pro Pedal rear shock. Available in five stock sizes and custom designs.

TECH

1 1/8" headset, 27.2 diameter seatpost, 135mm rear dropout spacing, 73mm bottom bracket width with standard English thread on Zirkels, 68mm BB width on Rigor/YBB, 35mm front derailleur clamp, Fox RP 23 with Pro Pedal (on Gristle Zirkel model), designed for 100mm fork on all three models.

OPTIONS: Custom designs, Rigor, YBB or Zirkel MARC rear suspension, color packages (Rigor/YBB - rack eyelets, 3rd H2O, S&S Couplers)

*GRISTLE shown with standard Grey decal and parts color packages



Zirkel 26"

4" of light, fast and efficient travel. The Zirkel is all about performance on the XC race course, in the backcountry or anywhere in between. As the top choice of Moots Factory Riders, the Zirkel delivers in spades with crisp race handling, tunable 4" of Matched Arc suspension and the legendary Moots titanium ride quality.

INTENDED USE

The Zirkel is our full suspension XC race bike. It's also a favorite of recreational riders looking for a well rounded cross country bike that performs equally well on any trail conditions.

FEATURES

4" travel MARC full suspension system and 6061 alloy rear triangle mated to a durable 3/2.5 titanium alloy front and comes equipped with a Fox RP23 rear shock with ProPedal, replaceable derailleur hanger. Available in seven stock sizes and custom designs.

TECH

U.S. made Moots Pi Tech seamless 3/2.5 titanium tubing, 1 1/8" headset, 27.2 diameter seatpost, 135mm rear dropout spacing, 73mm bottom bracket width with standard English thread, 35mm front derailleur clamp, Fox RP 23, through guides for hydraulic disc brake line, designed for 100mm fork. 16.5" frame has curved top tube for increased stand over height.

OPTIONS: Custom designs and color packages

*ZIRKEL shown with standard grey decal and parts color packages

Cinco 26"

"XC", "Trail", "All Mountain", "Freeride". We just call it mountain biking. With 5" of plush suspension and a burly titanium front triangle the Cinco is designed for any ride that starts at the bottom and goes up, up, up before hitting the goods all the way back down.

INTENDED USE

We designed the Cinco for the rough trails, sketchy lines, tight squeezes and repetitive ledgy drops that allow you to cover every inch of the mountain. But don't be fooled, the Cinco climbs efficiently for a 5" travel bike.

FEATURES

Bullet proof U.S. made Moots Pi Tech seamless 3/2.5 titanium tube set up front with a fully active Ventana-designed 5" travel rear suspension system, including the Fox RP23 with Pro Pedal. Available in five stock sizes and custom designs.

TECH

1 1/8" headset, 27.2 diameter seatpost, 135mm rear dropout spacing, 73mm bottom bracket width with English thread, 35mm front derailleur clamp, Fox RP 23, 15" frame has curved top tube for increased stand over height, designed for 120-140mm front fork.

OPTIONS: Custom designs, maxle drop outs, color packages

*CINCO shown with standard grey decal and parts color packages





YBB and Rigormootis 26"

A rolling classic, the YBB has been showcasing the incredible ride properties of Moots titanium frames since 1991. The 1 1/8" pivotless suspension adds a little comfort without adding a lot of weight or maintenance requirements. Experience the metal magic that only a Moots titanium YBB delivers!



INTENDED USE

XC racing and recreational riding in a simple, high-performance package. The YBB non-pivoting rear suspension unit provides extra comfort in an efficient, lightweight and maintenance free design.

FEATURES

YBB rear suspension system with 1 1/8" travel at the rear wheel for only 1/2 lb of additional weight gain, U.S. made Moots Pi Tech seamless titanium with oversized, size specific tubing. Available in eight stock sizes and custom designs.

RIGORMOOTIS

The Rigormootis represents the heart beat of mountain biking the way it was intended to be when it all got started. There is no other bike available today that is this light, this fast and this durable. It remains the bike of choice for many XC racers looking to shave as much weight as possible without sacrificing durability. It will last a lifetime and still be at the head of its class when passed on to the next generation! Available in eight stock sizes and custom designs along with all the great Moots options.

TECH

1 1/8" headset, 27.2 diameter seatpost, 135mm rear dropout spacing, 68mm bottom bracket width with standard English thread, through guides for hydraulic disc brake lines, 35mm front derailleur clamp, designed for 100mm fork, 12" and 14" frames come stock with curved top tube, curved top tube optional on 16" frame at no additional charge

OPTIONS: Custom designs, S&S couplers, Slider drop outs, V-brake mounts, rack eyelets, fender mounts, 3rd H2O mounts, color packages.

*YBB shown with standard Grey decal and parts color packages

YBB

MOOTS COMPONENTS: The Ultimate Additions

Although we tend to garner more recognition for our superior titanium frames, we have a long history of receiving accolades for our innovative hand built Ti components. Each component starts with the same U.S. made Moots Pi Tech seamless 3/2.5 oversized titanium tubing we use for our frames. From there, each tube

is handcrafted into an exceptionally lightweight and durable component. We follow the same meticulous process for our components as we do for all of our frames. Regardless of the material of your favorite bike frame, a Moots high performance Stem or Post will certainly enhance the ride quality of your current bike.



Faceplate color options



RSL ROAD STEM **NEW**

The all NEW RSL stem was designed from the ground up to match the high performance and styling of the Vamoots RSL road frame. Windowed steerer clamp, double band faceplate and 6/4 titanium bolts create a new Moots masterpiece 22% lighter than our Open Road stem. Standard RSL stem faceplate comes in grey. Optional colors include Black, Red and Blue (additional charge).

TECH

90 x -6 degree weighs 121 grams. Available in 90 x -6, 90 x 0, 100 x -6, 100 x 0, 110 x -6, 110 x 0, 120 x -6, 120 x 0, 130 x 0, 130 x 10 as well as custom dimensions (max angle is +/-20°). 31.8 handlebar clamp, 45mm tall, 1 1/8" steerer clamp



Faceplate color options



OPEN ROAD

The classic Moots titanium road stem! Bi-ovalized oversized extension for lateral rigidity, 4 bolt handlebar clamp sized for 31.8 bars, lightweight machined faceplate and welds just as beautiful and precise as those on our frames. Standard color of Open Road faceplate is grey. Optional colors are Black, Red and Blue.

TECH

90 x -6 degree stem weighs 156 grams. Available in 90 x -6, 90 x 0, 100 x -6, 100 x 0, 110 x -6, 110 x 0, 120 x -6, 120 x 0, 130 x 0, 130 x 10 as well as custom sizing. 31.8 handlebar clamp, 45mm tall 1 1/8" steerer clamp.



Faceplate color options



OPEN TRAIL

Designed to securely hold 31.8 mtb bars, the Open Trail takes all the great features of our classic Open Road stem, including bi-ovalized tubing, four bolt faceplate and welded dual bolt binder, and retunes them for the highest possible performance on dirt. Riser bars have met their match! Moots shims are available for our smaller diameter flat Ti Bar. Standard color for Open Trail stem faceplate is grey. Optional colors are Black, Red and Blue (additional charge).

TECH

90 x -6 degree weighs 157 grams. Available in 90 x 6, 100 x 6, 110 x 6, 120 x 6, 130 x 10 as well as custom lengths and angles. 31.8 handlebar clamp and 45mm tall, 1 1/8" steerer clamp.



Faceplate Available only in Grey

TI BEAM

As the perfect complement to a Moots mountain bike the TiBeam stem is designed to hold a Moots Ti Handlebar in its 25.4mm clamp with a two-bolt removeable sculpted faceplate. A 1 1/2" diameter extension keeps handling snappy while a tall 50mm steerer clamp keeps everything securely in place through the roughest terrain. The Ti Beam faceplate is available in grey, only.

TECH

90 x 6 degree stem weighs 164 grams. Available in 90 x 6, 100 x 6, 110 x 6, 120 x 6, 130 x 10 and custom lengths and angles. 50mm tall, 1 1/8" steerer clamp, 25.4 handlebar clamp.

MOOTS COMPONENTS

Cinchpost Color Options



Standard Grey and Black Color Option



CINCHPOST

Moots Cinchposts are the most advanced and easiest to use titanium seatposts available for cyclists today. The brilliant dual independent Allen adjustment allows infinite options for seat position. A 6mm Allen wrench is used for seat installation and fore-aft adjustments while an inner 5mm Allen provides simple and immediate management of saddle tilt. The Cinchpost is available in Layback and Straight versions with three sizes each for road, mountain bike and cyclocross applications. Standard Cinchpost guts come in grey. Optional colors are Black, Red and Blue.

TECH

27.2 diameter x 340mm length layback seatpost weighs 192 grams. Available in three lengths; 280mm, 340mm and 380mm, straight or layback design and 27.2 and 30.9 diameters. The 27.2 layback has an offset of 19mm while the 30.9 layback has an offset of 15mm. Designed for 7mm saddle rails



TI HANDLE BAR

Hand built Moots quality down to the simplest component! Each Moots Ti handlebar is cut to length and bent by hand and then hand finished to perfectly match the performance and appearance of a Moots frame. Wonderfully shock absorbing and comfortable, a Moots Ti handlebar is built to handle the rigors of the roughest of trails. Custom lengths up to 28" wide and custom sweeps up to 14 degrees are also available.

TECH

23" x 5 degree bar weighs only 178 grams. Stock sizes include 22" x 5 degree, 22" x 8, 23" x 5, 23" x 8, 24" x 5, 24" x 8, 25" x 5, 25" x 8. Includes 25.4 shim.



MOOTS/ALPHA Q GS 10 FORK NEW

We have worked closely with Alpha Q to provide our Vamoots CR and Vamoots with a ride matched, full carbon Moots branded road fork. This beauty comes with Moots logos and ride matched offset for the best pairing of frame and fork you could ask for. Available for frame/fork combinations as well as aftermarket replacements. The perfect way to complete your Moots ride.



TI HEADSET SPACERS

Matching satin titanium headset spacers finish off any Moots build in style and look great on other bikes as well. These super strong and light spacers are available in 3 sizes as well as custom lengths.

TECH

1 1/8" diameter in 5mm, 10mm and 20mm lengths. Custom height spacers also available.



MOOTS APPAREL

Be sure to visit www.moots.com to see our stylish line of apparel including team race jerseys, wool jerseys, mountain bike jersey, arm/knee warmers, premium socks, caps, hats, great tees and many more Moots accessories.



TAILGATOR

One of a kind Moots Tailgator includes an integrated handmade titanium rack that will support up to 5lbs of weight in the voluminous 400 cubic inches of storage space. Top and bottom bags can be used separately. Top bag includes expandable bungee system for bulkier items while the lower bag has a durable Hypalon bottom for abrasion resistance.

TECH

Titanium rack + 1 seatpost shim weighs 125 grams. Complete system weighs 400 grams. Includes shims for most popular seatpost diameters.

ROAD, TOUR, CROSS, COMMUTE

VAMOOT'S 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
48	51.5	45	10	72.5	74.75	7.4	40.5	27.6	10.3
50	52.5	46	10.5	72.75	74.5	7.4	40.5	28	9.5
52	53.5	47	11	73	74.25	7.3	40.5	28.3	9
54	54.5	48	12.5	73.25	74	7.2	40.5	28.8	9.5
55	55.5	49	13.5	73.5	73.5	7.2	40.7	29.2	9.6
56	56.5	50	14.5	73.5	73.25	7.2	40.7	29.6	10.1
58	57.5	51.5	16	73.75	73	7.1	41	30.2	9.5
60*	58.5	53	17.5	74	73	7	41	30.8	9.3
62*	59.5	55	19.5	74.25	72.5	6.8	41.5	31.6	9

*SEATSTAY DIAMETER INCREASED

VAMOOT'S 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
48	51.5	45	10	72.5	74.75	7.4	40.5	27.8	9.5
50	52.5	47	10.5	72.75	74.5	7.4	40.5	28.1	7.7
52	53.5	48.5	11.5	73	74.25	7.3	40.5	28.6	6.9
54	54.5	50	13	73.25	74	7.2	40.5	29.4	6.9
55	55.5	51	14	73.5	73.5	7.2	40.7	29.8	7
56	56.5	52	15	73.5	73.25	7.2	40.7	30.1	6.8
58	57.5	53.5	16.5	73.75	73	7.1	41	30.9	6.9
60	58.5	55	18	74	73	7	41	31.7	6.8
62	59.5	57	20	74.25	72.5	6.8	41.5	32.5	6.7

VAMOOT'S

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
48	51	48	10.5	72	74	7.6	41	28.9	5.1
50	52	50	11	72.25	74	7.6	41	29.4	3.8
52	53	52	12	72.5	73.5	7.5	41	30	2.1
54	54	54	14	72.5	73.5	7.4	41.5	30.8	3
55	55	55	15	72.75	73.25	7.4	41.5	31.2	2.5
56	56	56	16	72.75	73.25	7.4	41.5	31.5	3
58	57	58	17	72.75	73	7.3	42	32.2	1.9
60	58	60	19	73	72.5	7.2	42	33	1.4
62	59	62	21	73	72.5	7	42	33.7	1.5

MOOTOUR

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

*45 CM CHAIN STAYS OPTIONAL

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]
50	52.5	48/YBB 50.5	10.5	72	74.5	6.3	42.3	29.25
52	53.8	52	11	72.25	74	6.3	42.3	30.5
53.5	55	53.5	12.5	72.5	73.5	6.1	42.3	31.25
55	56.3	55	13.5	72.75	73.25	6.1	42.3	31.75
56.5	57.6	56.5	14.5	73	73	6.1	42.3	32.5
58	58.8	58	15.5	73.25	73	6.1	42.3	33
60.5	60	60.5	17.5	73.25	72.5	6	42.3	33.75

*PSYCHLO-X YBB CHAIN STAY LENGTH IS 43cm

COMOOTER

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]
53.5	54	52	14.5	72	73.75	8	44.5	31.3
55	56	54	16	72	73.5	8	45	32
56.5	57	56	17.5	72.5	73	8	45	32.8
58	58	57	18.5	72.5	73	8	45	33.3

SPEC DEFINITIONS AND NOTES

- Effective Top Tube: measured parallel to ground, from top of head tube center to seat tube center
- Seat Tube Length: measured from center of BB to top of seat tube
- BB Drop: measured from axle center line to BB center
- BB Height: measured at 25% sag, front and rear
- Standover, Road and MTB non-suspension: measured directly over BB
- Standover, MTB Full Suspension: measured directly over BB at full extension of travel
- All Mountain Bikes: Some frame size/fork/make/model combos may cause Down Tube to fork interference
- MX/MXYBB/Rigormoots/YBB/Cinco/Zirkel: Designed for use with 160mm max disc brake rotors. Also, designed for use with Shimano 50mm chainline cranksets using 22/32/42 gearing.

SPECS

MOUNTAIN

MOOTO X + MOOTO X YBB 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
17*	22.5	17	10	71.25	74.2	11.88	17.6	29.3	80mm
18**	23	17.5/YBB 19.5	10.5	71.5	74	11.88	17.6	29.5	80mm
19	23.5	19.5	11	71.5	73.8	12	17.6	30.5	80mm
20	24.25	20	12	71.75	73.7	12	17.6	31.5	80mm
22	25	22	13	72	73.7	12	17.6	33	80mm

* AVAILABLE IN MOOTO X ONLY

**BUILT WITH TOP TUBE TO SEAT TUBE STRUT

GRISTLE + GRISTLE YBB 96'_{ER}

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
16.5*	22.5	16.5	10	71.25	74	11.88	16.8	28.4	100mm
18	23	18.5	10	71.5	73.75	11.88	16.8	30.8	100mm
19	23.5	19	10	71.5	73.75	12	16.8	31.1	100mm
20	24.25	20	11	71.75	73.5	12.13	16.8	32.1	100mm
22	25	21	12	72	73	12.13	16.8	32.8	100mm

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

ZIRKEL 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
14*	21.3	15	10.5	70.4	74.1	12.7	16.8	27.6	100-120mm
16*	22.2	16	10.5	70.4	74	12.7	16.8	28.3	100-120mm
17	22.6	17	11	70.8	73.9	12.8	16.8	30.2	100-120mm
18	23.2	18	12	70.8	73.8	12.8	16.8	31	100-120mm
19	23.6	19	13	71	73.7	12.8	16.8	31.7	100-120mm
20	24.3	20	15	71.3	73.6	12.9	16.8	32.8	100-120mm
22	25	21	17	71.5	73.5	12.9	16.8	33.7	100-120mm

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

MOOTO X ZIRKEL 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
16.5*	22.7	16.5	10	71.25	74.5	12.9	18.2	29.75	100mm
18	23.3	18	10	72	74.25	12.9	18.2	31.75	100mm
19	23.8	19	10	72	74	13	18.2	32.25	100mm
20	24.5	20	11	72.25	73.75	13	18.2	33	100mm
22	25.25	21	12	72.25	73.5	13.1	18.2	33	100mm

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

GRISTLE ZIRKEL 96'_{ER}

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
16.5*	22.6	16	10	71.25	74	12.8	16.8	28.7	100mm
18	23.2	18	10	72	73.8	12.8	16.8	31.3	100mm
19	23.6	19	10	72	73.7	12.8	16.8	31.3	100mm
20	24.3	20	11	72.25	73.6	12.9	16.8	33.1	100mm
22	25	21	12	72.25	73.5	12.9	16.8	33.9	100mm

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

CINCO 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
15*	21.9	14.5	10.5	70.4	74.2	13.1	16.85	29.3	120-140mm
16.5*	22.5	16	10.5	70.6	74	13.2	16.85	31	120-140mm
18	23.25	17.5	11	71	73.8	13.25	16.85	31.1	120-140mm
19.5	24	19	12	71	73.7	13.25	16.85	32.2	120-140mm
21	24.75	20.5	14	71.25	73.6	13.3	16.85	33.4	120-140mm

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

RIGOR MOOTIS + 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

DOING OUR SMALL PART

Responsible Business Practices: In addition to our philanthropic endeavors, Moots has for many years been very responsible in how we operate our business. Among the many things that are part of our normal business practices are:



Recycling: We recycle 100% of our part-offs and material waste as well as all paper, plastics and cardboards. In recognition of our responsible business practices, the City of Steamboat Springs has awarded Moots with the Gold Certificate for Corporate Stewardship.

Commuting Program: Every Moots employee gets \$1 per day for each day they commute to the office/factory. At year's end they have the opportunity to distribute the money they've accumulated to a charity of the team's choice.

Community Garden: We have a great Moots co-op vegetable garden at the factory that is planted and tended to by the Moots team. All harvests are split between those team members that have contributed during that growing season.

Volunteerism: Moots employees contribute a significant amount of time each year to volunteer for various community support programs including trail building and maintenance, Steamboat Springs Free Summer Concert series, Citizen's Committees to advise City Council and national cancer organizations, among many others.

Aftermarket Products Warning - Moots designs and builds high-end customized bicycles to exacting specifications. Moots does not test components made by other manufacturers to determine compatibility or safety when used in combination with Moots' bicycles or components. Moots' bicycles may not be compatible with all third-party products or accessories. Customer assumes all risks associated with the use of third-party products with Moots' bicycles or components. Moots, its agents, employees, and owners shall have no liability for any personal injury, disease, death, property damage or loss sustained or caused as a result of any Customer's use of third-party products with Moots' bicycles or components. ©2009 Moots Cycles

INDUSTRY SUPPORT

Within the bike industry, we proudly support IMBA, SORBA, NEMBA, Bikes Belong and Routt County Riders for all the great work they are doing to give cyclists a credible voice throughout the country.



<http://www.imba.com>



<http://www.routtcountyrideriders.org>



<http://www.nemba.org>



<http://www.bikesbelong.org>



<http://www.sorba.org>



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