



Moots

2011 PRODUCT CATALOG



THE COMPANY

In 1981 we began hand-building high-performance bicycle frames in Steamboat Springs. Three decades later, we still patiently build every frame by hand, one at a time. Of course, our designs have evolved. Technology has evolved. And our bikes have evolved. But sometimes progress is knowing what should never change.





THE MATERIAL

For two decades, we've built our frames exclusively out of premium, US-made Moots Pi Tech titanium tubing. We custom spec a proprietary blend of tube diameters and wall thicknesses for each frame style and size in our line, so every Moots frame delivers the intended ride characteristics no matter the size.

What this means for you is the perfect balance between liveliness and stiffness, responsiveness and control, high-performance and comfort, weight and durability.





THE CRAFT

Road. Mountain. Cross. Custom. All of our frames are hand-built to precise specs with extremely tight tolerances at every step of the process. Each tube miter and each weld is done by hand. Checked by hand. Finished by hand. And only then do we apply the hand-cast head badge. By hand, of course.

Our purposeful design philosophy, our knowledge of the unique characteristics of titanium and our relentless focus on craftsmanship come together to create bikes that provide a lifetime of memorable rides.



THE RESULT

There is no single step that makes a Moots frame great. It's actually the integration of many steps, each performed by an incredibly skilled team of craftspeople, carefully woven together around our singular mission — to build the finest riding bikes possible.



**NG.
IT'S EITHER PERFECT
OR IT'S NO GOOD.**





Each frame has signature characteristics that uniquely define it as a Moots. Whether it's the precision miters you don't see, the beautiful and strong welds you do see or the classic Moots satin finish, no detail is overlooked on your bike.

THE MOOTS DIFFERENCE



1 DKG SEAT COLLAR The best money can buy, it gives a solid, consistent clamp force for uncompromised performance.

2 TITANIUM TUBING US-made seamless cold-worked, stress-relieved (CWSR) 3/2.5 titanium tubing. The strongest thin-wall material available.

3 DOUBLE-PASS WELDS Ensures penetration deep between the two joined tubes, leading to stronger joints and finer welds. The only real way to weld Ti.

4 REAL DEAL HEAD BADGE Hand-cast and -painted, Mr. Moots leads the charge, with road or mountain styling. Drilled, tapped and screwed into place. No decals here.

5 PRECISION ALIGNMENT Using precise miters and specific weld sequences and techniques, our frames need little final adjustment. Alignments are maintained to the highest industry standards.

6 MACHINED-TITANIUM WELDED FITTINGS The little details that ensure a no-hassle frame for many years to come.

7 BREEZER-STYLE DROPOUTS Provide the lightest, stiffest connection between dropout and chain stay to keep drive-line solid, stiff, light and responsive.

8 REFINED GEOMETRY Size- and model-specific angles, tube sets and dimensions; even the chain stays vary by size.

9 FRAME PREPARATION Moots frames are fully faced, chased, deburred and prepared for ease of assembly with the mechanic in mind.

10 SATIN BEAD BLAST FINISH Smooth, consistent, durable and signature Moots.



ROAD



VAMOOT'S RSL

MOOTS

Built for pure speed, the Vamoots RSL uses every advance in modern titanium technology to achieve the lightest, stiffest frame we have ever built, with zero compromise to the Moots durability. Its flawless road performance starts with the Press Fit BB30 bottom bracket to maximize drive-line stiffness while increasing landing points for the oversized down tube, seat tube and chain stays. The main triangle is built of oversized double-butta seamless 3/2.5 US-made titanium to minimize weight while increasing stiffness. Chain stays are oversized and tapered to add even more backbone to the drive train. Seat stays use a set of micro-diameter 6/4 seamless tubes to keep the ride smooth and magically Moots. The frame comes with our very own Moots ride-tuned carbon fork specifically designed for the RSL.

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

Full specifications at [MOOTS.COM](https://moots.com)

VAMOOT'S CR

MOOTS

The Vamoots CR is our answer for the go-to, high-performance road machine. This frame can handle anything from the 30-mile after-work spin to the most rugged race schedule you can throw its way. Leveraging three decades of experience handcrafting road frames, we have refined the geometry of the CR to make it a worthy ride for any condition on the road. Light, quick and comfortable, the CR is built with a sloping top tube and geometry similar to the RSL. Classic road-racing geometry paired with Moots size-specific tubing keep this frame grounded when pressed to the limit. Built in nine stock sizes with customs always available.

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

Full specifications at [MOOTS.COM](https://moots.com)

VAMOOTs

The classic road styling of the Vamoots, with longer chain stays and a more upright position than the Vamoots CR, gives it a silky smooth, all-performance ride, no matter the terrain. A long heritage of building fine road bikes comes to life in traditional angles, with geometry that is a touch more relaxed, to give the Vamoots a more stable, telepathic ride, with all-day comfort. Each frame utilizes our size-specific tube sets to tune each stock size for a specific ride quality. Built in nine stock sizes with customs always available.

INTENDED USE All-around road performer in any road riding situation, training or racing.
Full specifications at [MOOTS.COM](https://moots.com)

MOOTOuR

Built in the true sense of old-world cycling applications with longer chain stays, more relaxed angles, room for bigger tires and long-reach road calipers, the Mootour is ready for mixed-surface adventures. Club rides, chip seal, gravel grinders, cobbles and light touring, the Mootour is just about everything you could want in a 700c do-it-all bike. The same Moots philosophy of geometry and size-specific tube sets make their way into the Mootour to deliver a ride that is unmatched, regardless of frame size. A taller stock head tube provides for a more upright position for long-haul days in the saddle. The Mootour comes standard with upper and lower eyelets and rear fender mounts. Add in the option for S&S travel couplers and this becomes a world traveler in a compact, easy-to-ship box.

INTENDED USE For anyone who likes to ride short or long on mixed-surface roads.
Full specifications at [MOOTS.COM](https://moots.com)

PSYCHLO X PSYCHLO X YBB



Built to shine on the cyclocross course, where balance, skill, finesse and dependable equipment must all come together in one lightweight package, the Psychlo X delivers. Not only does the Psychlo X design account for the mud and suffering of cyclocross, but this versatile bike also excels at endless miles of dirt roads and daily commutes. For many, this frame quickly becomes the utility bike they can't live without, once the cross season comes to a close.

INTENDED USE All-out cyclocross race performance or as the ultimate gravel grinder for dirt roads or muddy fields.
Full specifications at [MOOTS.COM](https://moots.com)

COMOOTER



If urban cycling is your passion, and using a bike to commute to work, run errands or battle CO2 emissions is part of your everyday life, the Comooter is your high-performance, finely crafted tool for the job. This fully built bike (also available as frame only) is dialed-in to make your commute a joy, day and night. Built around 700c wheels, nothing but top-shelf components grace the fully built Comooter to assure you don't need the roadside assistance those 4-wheeled commuters might need. Built in four stock sizes with customs always available.

INTENDED USE For the high-performance commute or running your errands in absolute style.
Full specifications at [MOOTS.COM](https://moots.com)

A photograph of two mountain bikers riding a dirt trail through a forest. The forest is composed of many dead, standing trees with light-colored, peeling bark, suggesting a fire-damaged or old-growth forest. The ground is covered in green grass and low-lying vegetation. The bikers are in the middle ground, riding away from the camera. The lighting is bright, creating strong shadows and highlights on the trees and ground.

MOUNTAIN



MOOTO X RSL

Available Spring 2011



Built for serious cross-country MTB Racing, the MootoX RSL was developed with the same principles that guided the design of our Vamoots RSL: from the ground up, build the finest performing 29" titanium cross-country race bike available with zero compromise to the longstanding Moots quality and lifetime durability. Its quick responsiveness and decisive handling comes from key features like an oversized head tube for zero-stack headsets, an oversized Press Fit 30 bottom bracket for more immediate power transfer in the drive line and an oversized butted seat tube to provide increased stiffness and strength in tandem with a 30.9 seat post. Additionally, the formed down tube provides increased fork clearance while the formed chain stays and re-designed rear triangle offers increased tire clearance while reducing weight.

INTENDED USE Cross-country and short-track racing.

Full specifications at MOOTS.COM

MOOTO X

The Mooto X Rigor geometry is refined to the point where balance, speed and versatility all come together to deliver a race-ready ride built for both speed and fun, whether for cross-country riding or the 24-hour race course. The hard tail design keeps you connected to both the trail underneath and the roots of mountain bike history, in a smooth yet responsive ride in all conditions. Set it up as a normal cross-country bike or add slider dropouts and run it as a single speed for a classic minimalistic approach.

INTENDED USE Endless cross-country riding or all-out racing in comfort.

Full specifications at MOOTS.COM

MOOTO X YBB

Our most popular mountain bike takes what we've learned in refining our YBB soft-tail design over the last 20 years and adds a 29" wheel platform to create a dream cross-country combination. Just over an inch of rear-wheel travel in conjunction with those big, fast and easy-rolling 29" wheels delivers a ride that many categorize as "magical." The Mooto X YBB ticks off everyday cross-country rides with ease and morphs into your favorite all-day, 24-hour race machine in a maintenance-free, no-hassle, all-grin ride.

INTENDED USE Cross-country ride or race, classic Moots soft-tail in a big-wheeled brother.
Full specifications at [MOOTS.COM](https://moots.com)

MOOTO XZ

A dual-suspension platform for those rides that take you deep into the backcountry and home again. Four inches of plush travel give a new dimension to 29"-wheel technology. Start confidently cleaning those lines you have always avoided. Our MARC (matched arc) suspension design eliminates a pivot at the rear, giving this bike a solid feel throughout the travel, while reducing weight and maintenance.

INTENDED USE Big wheels and big travel for all-day epic rides or races.
Full specifications at [MOOTS.COM](https://moots.com)

GRISTLE
GRISTLE YBB
GRISTLE ZIRKEL



MOOTS

The Gristle family combines the best of the 29" and 26" platforms to create three high-performance mountain bikes. The big wheel up front provides all of the benefits of the 29"er — exceptional obstacle rollover capacity, a larger tire contact surface for carrying higher speeds and holding faster lines into and out of sweepers, and the overall increased momentum through most cross-country trails. Simultaneously, the traditional 26" rear wheels provide snappy acceleration and more explosive power. It generally only takes one ride to understand that this combination makes cross-country riding sense. The Gristle is available as a hard tail, with our classic YBB or with our 4" MARC full suspension.

INTENDED USE Everything from cross-country racing and riding to short-track racing to extended backcountry rides.
 Full specifications at [MOOTS.COM](https://moots.com)

ZIRKEL



MOOTS

This is the classic Moots full-suspension cross-country bike. Designed for speed over traditional cross-country trails and race courses, the 4" MARC suspension platform delivers a fluid and consistent ride whether you are climbing long technical single tracks, descending tight yet fast tree-lined trails or riding at a steady pace over consistently varied terrain. The Zirkel offers point-and-shoot geometry for everything from racing to all-day cross-country or backcountry rides.

INTENDED USE Cross-country racing and riding.
 Full specifications at [MOOTS.COM](https://moots.com)

CINCO



With five inches of all-trail, all-cross-country, all-the-time travel, this bike fits into any ride situation you can dream up. Utilizing a Ventana-designed rear end, this bike is at home in cross-country races as well as those all-day slogs through the rock-strewn creek beds and endless root sections of your favorite haunt.

INTENDED USE For the cross-country rider looking for that little extra to deliver all-day trail comfort.
Full specifications at [MOOTS.COM](https://moots.com)

YBB 26"



Our classic design has been an industry benchmark for two decades. With 1 1/8" of Ti-enabled rear-wheel travel, the YBB provides just enough cushion to take the edge off the small hits on any ride. Ridden to multiple national championships, state titles, 24-hour solo wins and local mid-week series podiums, it's a low-maintenance alternative to a traditional hard-tail design.

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 specifications at [MOOTS.COM](https://moots.com)

RIGORMOOTIS



MOOTS

Pure and simple fun, this traditional hard-tail design is ideal for the cross-country purist who wants hassle-free, no-holds-barred performance ride after ride. The Rigormootis is a modern take on the classic rigid, superlight, bomb-proof bike, all in one beautiful package. Shown above with optional curved top tube and slider dropouts.

INTENDED USE For the cross-country rider or racer who loves a high-performance ride in a classic package.
Full specifications at [MOOTS.COM](https://moots.com)



MOOTS CUSTOM PROGRAM

With thirty years of custom design under our belts, coupled with the magical qualities titanium provides, we have the ability to provide a custom ride experience in every frame we make. Our stock frame program follows custom theory in the application of specific tube sizes and wall thicknesses for exacting performance in every single frame, in every size in the fleet.

Still, creating custom frames for the unique characteristics of each rider is certainly a process we enjoy doing. Take any specific Moots model—road, mountain or cross—and add in your unique fit geometry and performance requirements, and we'll build you a frame that is uniquely yours. We also offer a variety of popular add-ons like slider dropouts, S&S couplers, extra bottle mounts, pump pegs and more. The result: a frame that fits like a glove, performs like a dream and is truly a one-of-a-kind work of art.

Get started today by working with your Authorized Moots Dealer to get professionally fit and complete the Moots Custom Frame Workbook, available through your dealer or online at **MOOTS.COM**

All Moots custom designs will come with a signature decal next to the model name.



MOOTS OPTIONS

One of the most beautiful aspects of owning a Moots (beyond that silky ride) is the subtle 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. From pump pegs and chain hangers to track dropouts and S&S couplers, there are plenty of options you can choose from, including:

- A** Lightweight and durable slider dropouts for running single speed while retaining the option of gears.
- B** S&S couplers for quick breakdown and easy traveling.
- C** Rohloff Speedhub offers an exceptional all-weather, flawless-shifting, 14-speed internal hub system with a similar range of gearing to traditional drivetrains.
- D** Other popular options include track dropouts, rack eyelets, fender mounts, third H2O mounts, pump pegs and chain hangers.

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



MOOTS COMPONENTS

To complement our finely crafted frames we offer a full line of Moots stems, seat posts and mountain bike bars. These components are built with the same highest quality US-made seamless Moots Pi Tech 3/2.5 tubing that we use in our frames. Our components are also available with color-matching anodized hardware and decals to personalize your ride.

RSL STEM

This stem was brought to life with the same design principles as the 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, they are 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 Ti 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 seat posts, with an innovative dual-adjustment system that easily lets you adjust fore and aft placement as well as angle.



TI 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 US-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.

TI HEADSET SPACERS

Complete your Moots component selection with made-to-match titanium headset spacers. The diameter is the same as the steerer tube clamps on all of our stems for a seamless flow from spacer to stem.

TAILGATOR

Travel light, travel far, with this superlight, seatpost-mounted rack and bag system that holds up to 5 lbs. in two stylish 200-cubic-inch bags. Top and bottom bags slide onto the 125-gram titanium rack for a secure, stable fit. The lower bag has a durable Hypalon™ bottom for abrasion resistance. The upper bag has an expandable “stuff pouch” for a quick rain jacket stash, as well as internal Velcro pocket for keys and elastic loops for tubes and CO2 cartridges. Both bags have durable rubberized covers.

FORKS

Go to **MOOTS.COM** to see our new RSL and Road forks.

APPAREL AND ACCESSORIES

Check out **MOOTS.COM** for our latest line of apparel and accessories.



ROAD TOUR CROSS COMMUTE

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
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

*SEAT STAYS DIAMETER INCREASED

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
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

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
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
*45CM 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 RIG	52.5	48	10.5	72	74.5	6.3	42.3	30.3
50 YBB	50.5	50.5	10.5	72	74.5	6.3	43	30.5
52	53.8	52	11	72.25	74	6.3	42.3	31.1
53.5	55	53.5	12.5	72.5	73.5	6.1	42.3	31.7
55	56.3	55	13.5	72.75	73.25	6.1	42.3	32.2
56.5	57.6	56.5	14.5	73	73	6.1	42.3	32.7
58	58.8	58	15.5	73.25	73	6.1	42.3	33.1
60.5	60	60.5	17.5	73.25	72.5	6	42.3	34.2

*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	45	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
- Stand-over, 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/Rigormootis/YBB: Designed for use with 160mm max disc brake rotors, and with Shimano 50mm chainline cranksets using 22/32/42 gearing.
- Seat-Tube Length: Center of BB to top of seat tube
- BB Drop: From axle center line to BB center
- BB Height: Measured with 25% sag, front and rear
- Stand-over, Road and MTB Non-suspension: Measured directly over BB

MOUNTAIN

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	9	71.25	74.5	11.875	17.5	29	80mm
17	23	16.5	9	71.25	74.25	11.875	17.5	30.5	80mm
18	23.5	17.5	10	71.5	74	12	17.5	31.1	80mm
19	24.25	18.5	10	71.5	73.75	12	17.5	31.6	80mm
20	24.75	19.5	11	71.5	73.5	12	17.5	32.3	80mm
22	25.5	21	12	71.75	73.25	12.125	17.5	33	80mm

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	31.2	80mm
18**	23	17.5YBB 19.5	10.5	71.5	74	11.88	17.6	31.6	80mm
19	23.5	19.5	11	71.5	73.8	12	17.6	32.6	80mm
20	24.25	20	12	71.75	73.7	12	17.6	33	80mm
22	25	22	13	72	73.7	12	17.6	34.2	80mm

*AVAILABLE IN MOOTO X, ONLY

**BUILT WITH TOP TUBE TO SEAT TUBE STRUT

MOOTO XZ 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 + GRISTLE YBB 96"ER

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
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

GRISTLE ZIRKEL 96"ER

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
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

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

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

RIGORMOOTIS + 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



THE BELIEF

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