



BICYCLE COMPONENTS



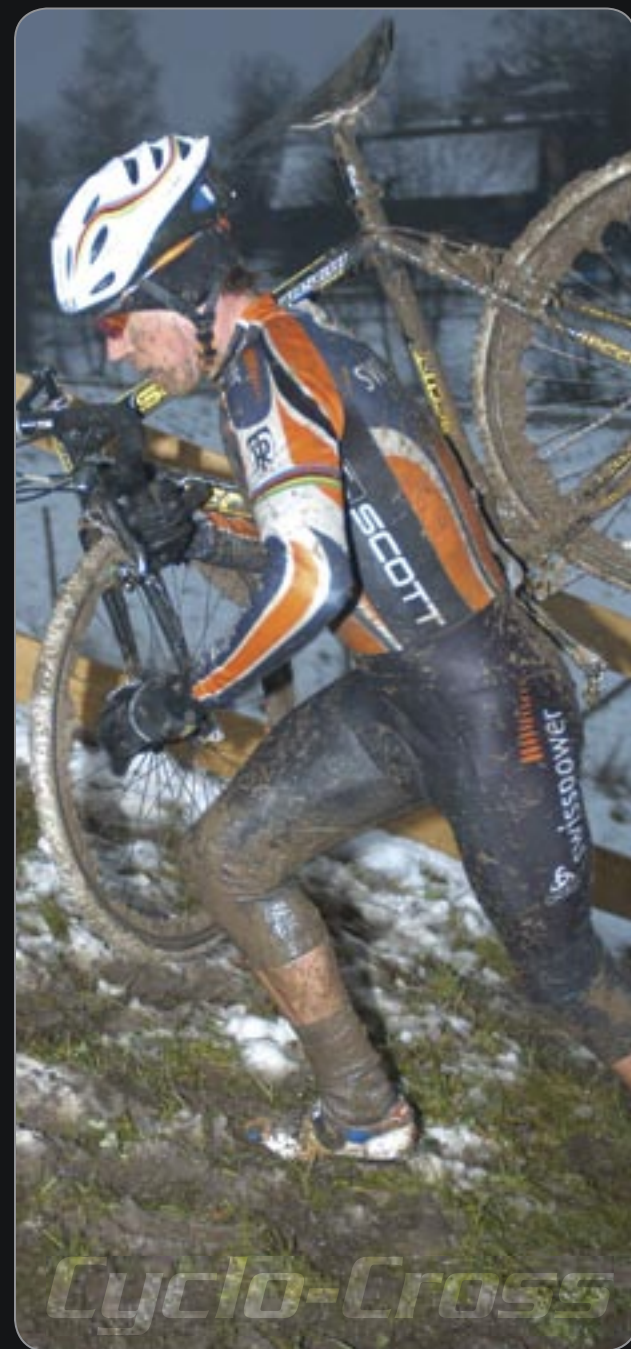
2006



Road



Mountain



Cyclo-Cross



Ritchey History

You can't discuss Ritchey's history without mentioning Tom, the man behind it all, and what he has contributed to bicycle frame and component design over the years. Many of these contributions are largely unknown.

Here are some examples: Non-lugged oversized steel tubing, single bend chain stays, modern XC race geometry (71/73), curved seat stays, ovalized seat-tubes at the BB, lightweight butted and tapered Unicrown fork, welded cro/mo stems, Bullmoose bars, cartridge BB's, Vector Force Analysis tire designs, front and rear specific directional tire treads, compact rescue tool, 5th pin hidden chainring bolt, Zero Dish wheels, 2x9 drive-train, Dual Spring Release cleat retention, Logic headset bearings concept, ovalized seatpost butting, 3-D net-shaped forging, 3-D forged steer-tube-fork crown carbon fork, bias slot clamping on bar ends and stem steerer clamps, BioMax ergonomic road bar design, micro lightweight cro/mo pedals, Break Away bike.

That's just a sampling of what Tom created in the last thirty years; imagine what the next thirty will reveal. <

Innovation

What drives innovation?

Pedaling so smoothly

that your legs feel like a sewing machine. Cockpit componentry that helps you dodge roadkill in a 35mph corner. Tire hookup on dirt where others would have core-sampled. A seatpost you can adjust infinitely, and will "stay" like a well-trained Lab. Sprinting to terminal



velocity on a hill before you drop into your death tuck. Waking up the morning after a 3-peak epic with dirt still in your eyes. Cleaning a trail section knowing your pedals will let you out if you can't. No flats when your "road ride" turned into a "road plus trail" ride. Wheels that float up a climb, and soak up abuse on the way down. A silent shift that lets you jump your buddy and take the sign. A saddle that is still your friend in hour six of the weekly team death march. Parts that look ultra cool even though you never buy parts for their looks. Your bike and your "life" blur together until they are not separate anymore. The race in your imagination when your speedometer only says 14mph. Finishing the century ahead of the "seasoned veteran."

For some, innovation is about survival. For us, innovation is about the pure pleasure of riding our bikes, and creating parts that make our rides even more fun. <

Technology

All parts makers have their version of technology.

But what does technology mean to you if you are considering a stem upgrade or would like to shave some weight off your wheels without sacrificing durability? It should mean you have the assurance that the manufacturer used the very best fabrication processes available, but didn't add weight or complicate the product to meet a marketing ideal for



new materials or features. Ultimately, incorporating technology into our designs really means responsibility to us. We are obliged to find the lightest materials, not the latest, and press them into service to achieve the most functional, but durable products. You read and surf the net, you know what's hype and what's the real deal. Rest assured that we do, too. <

Products

Ritchey has evolved over the years from a small, pioneering mountain bike manufacturer, to a leading edge road and mountain bike component manufacturer. Through it all, it is the love of riding bikes that has fuelled our growth, innovations, and progression into one of the leading bicycle component manufacturers in the world. Over a decade ago, Ritchey introduced its first road componentry. Today, we sponsor some of the finest road teams in the world, and we're proud of that fact, but we're also proud to carry products that appeal to the rest of you – like our new Carbon Stream bar, which offers extra hand positions and a wider platform on top. Our MTB heritage is still strong, though, and this year we are introducing a new, sub 400-gram tire, and a re-designed line of pedals.



Highlighting the past few years' product assortment is the BreakAway bicycle concept. Over the years, Tom has spent a lot of time racking up miles on the pavement, navigating single track, and piloting his plane. There are a handful of truly travel worthy collapsible bicycle technologies on the market, but the BreakAway is arguably the most versatile. The product was born from Tom's experiences traveling the world to ride in as many different and new places as possible. The joinery fitting is exceptionally lightweight, adding only 100g to the entire frameset. The result is a fully race, tour, or trail worthy bicycle that retains the feel of a non-collapsible high-end bicycle. People who ride our BreakAways provide the best testimonials when they say that the one thing that you take away after you ride a BreakAway is the feel. The feel is perfect: stiff and efficient, yet very lightweight and comfortable, just like your "real" bike; maybe it could become just that? These are the ideal attributes that comprise a high quality bicycle – ours just happens to be able to go with you. Anywhere. Products are the at the core of what defines Ritchey but the motivation of the riding experience is what drives our development. <

The Proving Grounds

How do you prove a product is the very best it can be? We start by pointing out the success that Ritchey athletes have had on our parts over the years. But those successes are the culmination of a lot of hard work. It is already a minor success for us when a rider decides to use a new part in competition: in a small way, that rider is taking a risk, but no professional athlete ever won anything without taking a few chances first. If that product holds up under the intense scrutiny of pro racing, we know we have a good product. But a lot of work has already taken place before that racer ever put the part on their bike.



From conception to design, prototyping, testing, analysis, first article sampling, race testing, to final production, and finally, delivery into the market, there are a lot of steps that must be taken from the time Tom sketches out an idea to the time that idea becomes a component for your bike.

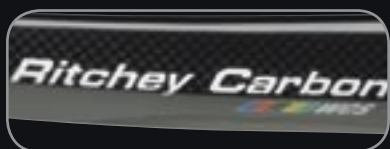
It is on the racecourse that our products undergo the most rigorous evaluation, and where the ultimate success is usually realized. But that has never been enough in the past, and it never will be. Racing is our bread and butter, but our proving ground is a 5-course meal. <



RITCHEY

Ritchey Components

Covering the needs of the full spectrum, from elite competitors to recreational riders, are our WCS, Pro, and Comp lines. Introduced in the last few years, our Carbon Fiber lineup is adding a whole new level to our offering, and it's not just limited to WCS – our Pro Carbon parts offer the benefits of carbon at a more accessible price. As technology and materials evolve, so does our product line, allowing us to continue to bring you lighter, stronger parts that deliver category leading performance and value, from WCS Carbon through Comp.



Ritchey Carbon – When welded properly, carbon fiber is an ideal material for building bicycle frames and components with strength to weight ratios that surpass all other materials. For a given product, we optimize the ideal combination of strength, stiffness, weight, and comfort. Our WCS Carbon products have been race proven in the most rigorous conditions – the European pro peloton. This past season our parts chalked up numerous wins, including the prestigious US PRO Championships, and the green sprinter's jersey at the Tour de France. Ritchey Carbon - elevating the game.



Ritchey **WCS (World Championship Series)** These words evoke the core philosophy behind Ritchey's highest performance components. Over the years, Ritchey components have carried riders to victory from the Olympics to the World Cup circuit, National Championships and, of course, World Championship titles, too. Using the latest technology and materials to create components that provide weight savings without sacrificing strength, we proudly invite you to bolt on some of our WCS parts and share a bit of Ritchey's racing heritage with us. WCS by Ritchey – it's all in the name.



Ritchey **Pro**. Sounds like a component line that should be the top of the line: good enough for pros, right? Well, it is. Our line of Pro components represents race caliber products at prices that will leave you with enough change in your pocket to buy a second jersey. You know, so you have a clean one to wear on the podium. Top materials and manufacturing processes, usually trickled down about a year or two after they come out as WCS. Ritchey Pro – Pro level components, without the professional price tag.



Ritchey **Comp** parts are at the level that most companies would call their "value" line and, with respect, that's not quite enough for us. Ritchey Comp products are a good value, but we feel that every product we sell represents good value – it all depends on what your standards are. If you want bomber parts with high-level design features that won't take away from your travel budget, Comp will get the job done. Ritchey Comp - Performance and value without compromise.





Contents

Stems	4-6
Headsets	7
Road Handlebars	8-11
Mountain Handlebars	12-13
Seatposts	14-15
Aero Bars	16-17
Pedals	18-19
Carbon Forks	20-21
Break-Away™ Bikes	22-25
Road Wheels	26-28
Mountain Wheels	29
Cranks	30
Saddles	31
Mountain Tires	32-33
Road Tires	34-35
Cross & Specialty Tires	36-37
Grips	38
Grease, Lube, & Brake Pads	39
Teams and Sponsorship	40-41
Spec Charts	42-43
Ritchey Accessories	44
Distributors	45

For the most up to date and complete product list and specifications please visit us at ritcheylogic.com.

WCS™ 4-AXIS™ Stem

Ritchey is proud to introduce the WCS 4-Axis: a redux of our highly acclaimed 4-bolt split faceplate design released in 2003.

The move to 31.8 mm handlebar diameters has enabled handlebar makers to reduce the wall thickness of the center section of the bar, keeping weight down while increasing stiffness. But these thinner middle sections are easily crushed by over clamping. The WCS 4-Axis is one of the only stems on the market designed to work as a system with the new breed of lightweight, thin-walled alloy and carbon handlebars.

The 3-D forged alloy embodies our latest critical thinking for innovative bolt and cap design.

Four bolt faceplates offer the security of redundancy that results in increased safety for the rider. The WCS 4-Axis also uses a tightly spaced 4-bolt faceplate which is forged and contoured to reduce stress notching of the handlebar from vibration. The bolts work in unison with each other and the cap to distribute flex and stress across a larger clamping area, providing added strength and security. Think of a beautifully lugged frame supporting light steel tubing and you have the vision we aspired to when crafting the 4-Axis.

[3-D Net forged from 2014 alloy for a superb strength-to-weight ratio

[Specially designed forged and contoured 4-bolt faceplate for use with today's lightweight, oversized carbon and alloy bars

[Angled steerer clamp helps prevent damage to lightweight aluminum and carbon steerer tubes

[111g (110/31.8)



WCS™ Stem

- [3D-Net Forged, polished 4-bolt Z-Clamp faceplate wraps 180 degrees around the bar to reduce stress
- [TRX50 alloy provides a high strength to weight ratio, making it one of the world's lightest stems
- [Angled steerer clamp helps prevent damage to lightweight aluminum and carbon steerer tubes
- [Stainless steel bar and steerer clamp bolts
- [1" sizing sleeve included with road stems
- [130g (110/31.8)



Pro™ Stem

- [3D-Net Forged 6060-T6 alloy, 4-bolt Z-Clamp faceplate wraps 180 degrees around the bar to reduce stress
- [Angled steerer clamp helps prevent damage to lightweight aluminum and carbon steerer tubes
- [Stainless steel bar and steerer clamp bolts
- [1" sizing sleeve included with road stems
- [150g (110/31.8)



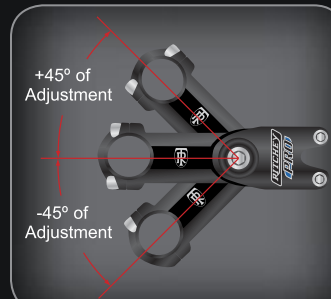
Comp™ Stem

- [3D-Net Forged 6061-T6 alloy construction
- [Recessed faceplate bolts
- [Angled steerer clamp helps prevent damage to lightweight aluminum and carbon steerer tubes
- [Now comes with stainless steel bar and steerer clamp bolts
- [170g (110/31.8)



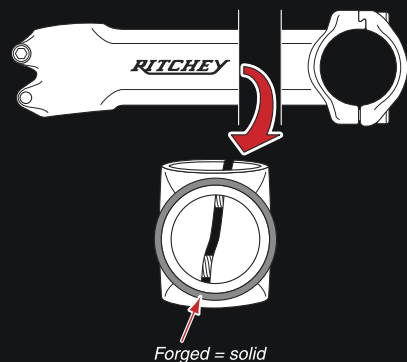
Pro™ Adjustable Stem

- [All the quality and features of Ritchey's popular, proven, Pro stem with angle adjustability
- [Over 45° of height adjustment in either direction
- [Precision 3-D net shaped forged shaft interconnects with a precision broached clamp to create the strongest, lightest, most secure adjustable stem available
- [219g



3D-Net™ Shaped Stem Forging

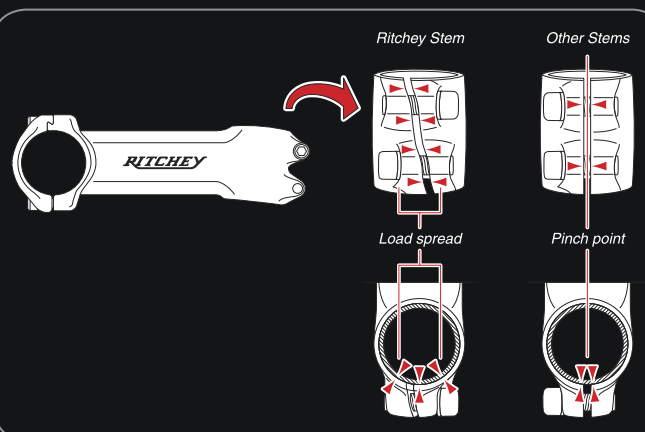
The extreme durability and lightweight of our WCS, Pro and Comp stems is achieved through an advanced form of cold forging called 3D Net-Shaped Forging. This sophisticated process allows us to create the shape of the stem in a single step while carefully controlling the inner wall shape and thickness. Cold forging allows Ritchey to compress, refine and align the grain structure of the aluminum and remove any internal imperfections. As a result, less material can be used without compromising strength or reliability.



Milled = weakened by gaps

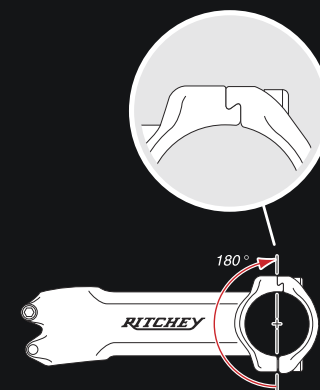
Bias Clamp & Opposing Bolts

Most stem clamps focus a tremendous amount of stress on the steer tube and bolt threads. By cutting the stem clamp at an angle and using opposing bolts, stress is dissipated evenly across the clamp zone, resulting in a stronger, more secure clamp with less torque. That's why Ritchey stems are among the few recommended for use with lightweight carbon fiber steer tubes.



Z-Clamp™ Stem

The Z-Clamp provides a mechanical lock between the stem and one edge of the faceplate to combine the convenience of a removable faceplate stem with the superior stress distribution and secure grip of a traditional stem clamp design.





WCS™ Carbon Integrated "Drop In"

- [Full complement stainless steel angular contact cartridge bearings packed with Ritchey high-webbing grease
- [Compatible with Campy and Cane Creek Standard headtubes
- [16.8mm stack height
- [Carbon fiber bearing cap
- [69g

WCS™ Carbon Integrated "Press Fit"

- [Full complement stainless steel angular contact cartridge bearings packed with Ritchey high-webbing grease
- [18mm stack height
- [Carbon fiber bearing cap
- [86g



WCS™ Integrated "Drop In"

- [Full complement angular contact cartridge bearings packed with Ritchey high-webbing grease
- [Compatible with Campy style headtubes
- [WCS and Pro available in 17 and 25mm stack heights

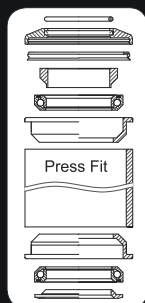
WCS™ Logic®

- [Lightweight, precision-machined aluminum cups
- [Logic = Small upper angular cartridge bearing saves weight, larger lower angular cartridge bearing boosts strength and durability
- [Uses Ritchey grease and sealed design for years of trouble-free performance
- [110g
- [Also available in Pro and Comp versions (see specs on pg 42)



Ritchey Bearings

Most Ritchey headsets feature angular contact bearings to provide better support for maximum bearing life and smoothness - with none of the slop that plagues less sophisticated designs.

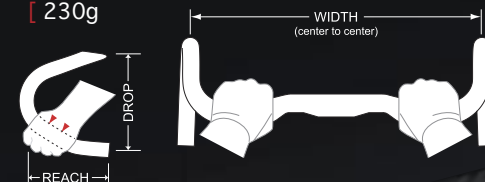




WCS™ Carbon Stream™

- [Ritchey's newest Carbon bar with an aerodynamic profile and more surface on top of the bar to hold onto when climbing
- [Oversize 31.8mm center section increases strength and rigidity
- [Carbon wrap is tuned to provide torsional strength and vibration damping
- [Textured stem and shifter clamp areas reduce risk of slippage
- [Deep groove hides cables

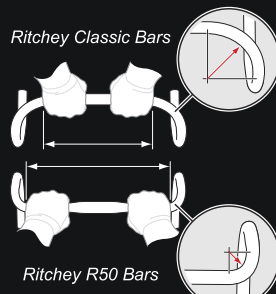
[230g



Ritchey Carbon Road Bars

Since their release two years ago, Ritchey Carbon bars have become favorites among the teams we sponsor for their stiffness, light weight, and tuned vibration damping properties. Whether you prefer the ergonomic curves of our Logic, the traditional shape of the Classic, or the modern styling of our new Stream bar, Ritchey Carbon bars are a great addition to any ride.

Ritchey Classic Bars



Ritchey R50 Bars

R-50 Radius Bend

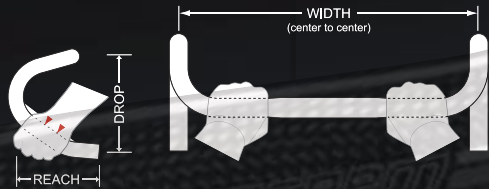
Multiple hand positions are critical to a good road bar, and Ritchey's R-50 bend Logic bars offer more hand positions than most bars on the market. By tightening the angle of the bar where it bends down to the drops, we've provided 30% more space on the top of the bar for climbing, which allows wider hand spacing and better breathing.

Logic vs Classic explained

The R-50 bend, found on all of our Logic road bars, offers more hand positions and greater comfort. Yet our pro riders almost all favor the Classic bend – why is that? The tighter R-50 bend leaves a bit less space for a rider's forearm while in the drops, particularly when swinging the bike in a sprint, and a racer spends a lot more time in the drops than the rest of us. For most riders, Logic is the right choice, but if you spend a lot of your time sprinting in the drops, then the Classic is the bar for you.

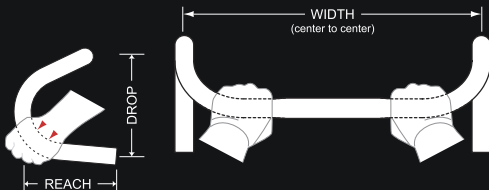
WCS™ Carbon Logic™

- [Oversize 31.8mm center section increases strength and rigidity
- [Carbon wrap is tuned to provide torsional strength and vibration damping
- [Textured stem and shifter clamp areas reduce risk of slippage
- [Logic = Ergonomic shape and R50 bend for more comfort and hand positions
- [Deep groove hides cables
- [215g (42cm)



WCS™ Carbon Classic

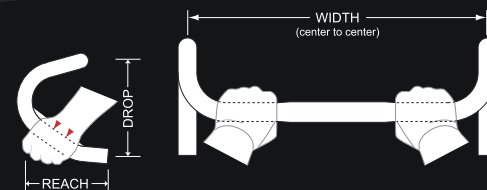
- [Oversize 31.8mm center section increases strength and rigidity
- [Carbon wrap is tuned to provide torsional strength and vibration damping
- [Textured stem and shifter clamp areas reduce risk of slippage
- [Round drop shape as favored by racers and traditionalists
- [Deep groove hides cables
- [215g (42cm)





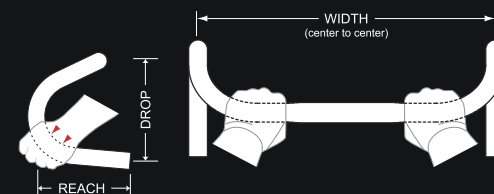
WCS™ Logic Road Bar

- [Made from TRX50 seamless, triple butted alloy
- [Anatomical bend drops
- [Available in standard 25.8 or 31.8 OS clamp section for improved stiffness and durability
- [Logic = Ergonomic shape and R50 bend for more comfort and hand positions
- [Deep groove hides cables
- [235g (42cm/31.8)



WCS™ Classic Road Bar

- [Made from TRX50 seamless, triple butted alloy
- [Standard 25.8 or 31.8 OS clamp sections
- [Round drop shape as favored by racers and traditionalists
- [Deep groove hides cables
- [235g (42cm/31.8)



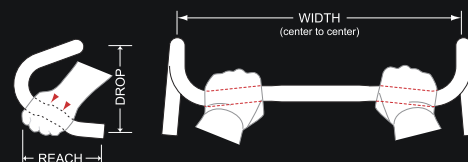
Pro™ Logic Road Bar

- [Made from 7075 T-6, triple butted alloy
- [Logic = Ergonomic shape and R50 bend for more comfort and hand positions
- [Available in standard 25.8 or 31.8 OS clamp section for improved stiffness and durability
- [Deep groove hides cables
- [270g (42cm/31.8)
- [Also available in Comp version. For a complete list of Road handlebar specs, see pg 42.



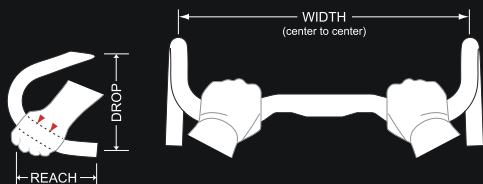
Pro™ BioMax™ II

- [6 degree swept-back tops, 3 degree flare, Ergo bump and super shallow (135mm) drop for more a comfortable riding position
- [R50 bend for more hand room
- [Deep groove hides cables
- [270g (42cm/31.8)



Comp™ Stream™

- [Ritchey's newest bar with an aerodynamic profile and more surface on top of the bar to hold onto when climbing
- [Oversize 31.8mm center section increases strength and rigidity
- [Deep groove hides cables
- [295g



WCS™ Carbon Rizer™ / Low Rizer™ / Flat Bar

- [Textured stem clamp area reduces risk of bar slippage
- [Carbon wrap is tuned to provide torsional strength and vibration damping
- [Reinforced internally to accept bar ends and shifter/lever clamp
- [Intended for XC use
- [Rizer: 175g / Low Rizer: 165g / Flat: 135g
- [For complete specs see pg 42



Carbon Rizer™



Carbon Low Rizer™



Carbon Flat Bar

Rizer™ Mountain Bar

- [Available in ideal bends and weights for cross-country, marathon and enduro
- [Proprietary Ritchey TRX50 seamless, triple butted alloy is lighter than standard 6000 and 7000 series aluminum (WCS only)
- [Bead blasted black anodized finish
- [Available 31.8mm version for increased strength and rigidity
- [WCS: 225g/240g, Pro: 300g/315g, Comp: 365g/375g
- [Also available in Comp, for complete Rizer specs see pg 42



Flat Mountain Bar

- [Seamless TRX50, triple butted construction (WCS only)
- [Bead-blasted and anodized finish improves fatigue strength
- [More World Cup XC wins than any other bar
- [Available 31.8mm version for increased strength and rigidity
- [WCS: 130g/140g, Pro: 150g/160g, Comp: 180g/190g
- [Also available in Comp, for complete Rizer specs see pg 42



Ergo Bar Ends

- [WCS ergo model has increased inward sweep – perfect for use on riser bars
- [Angled clamp slot reduces stress on lightweight bars
- [3D-Net shaped cold forged one-piece design
- [Approved for use with Ritchey Carbon mountain bars



Bar Ends

- [Angled clamp slot reduces stress on lightweight bars
- [3D-Net shaped cold forged one-piece design (WCS only)
- [Black or silver
- [Approved for use with Ritchey Carbon mountain bars
- [Also available in Comp version



WCS™ Carbon Seatpost

- [Lightweight monocoque construction
- [Low profile clamp reduces stress on lightweight saddle rails
- [Bolts oriented to the axis of the rails for greatest contact area with the saddle
- [25mm offset, now also available in 45mm offset for use with today's compact frame geometry
- [Textured clamp area eliminates saddle slippage
- [166g (27.2/300mm)
- [176g (45mm offset/31.6/300)
- [For complete specs see pg 42



Ritchey Carbon posts

Like our Carbon bars, our Carbon posts are proving very popular with elite level racers and gram counters alike. It probably doesn't hurt that our WCS Carbon post is such a beauty. Due to demand, we now offer the WCS Carbon post in a 45mm offset version. Same monocoque design and strong lightweight clamp.

On a budget but can't resist the allure of Carbon? Our newly improved Pro Carbon post has shaved some weight and is ready to grace your bike with that sweet carbon look.





WCS™ Post

- [1-piece 3D Net forged design
- [Two-bolt design for easy to adjust, vise-like grip
- [Low profile clamp reduces stress on lightweight rails and won't bottom out
- [Bolts oriented to the axis of the rails for greatest contact area with the saddle
- [235g (27.2/350mm)

Pro™ Ritchey Carbon Post

- [All new Pro Carbon post bridges the gap between the performance of carbon and the affordability of alloy
- [Low profile clamp reduces stress on lightweight saddle rails
- [Bolts oriented to the axis of the rails for greatest contact area with the saddle
- [235g (27.2/350mm)



Pro™ and Comp™ Post

- [Two-bolt design for easy to adjust, vise-like grip
- [Low profile clamp reduces stress on light rails and won't bottom out
- [Strong and light 3-D forged one-piece construction
- [Wide saddle cradle support system
- [Pro 275g (27.2/400mm)
- [Also available in a Comp version, for complete specs see pg 42

Time Trial & Triathlon Equipment

Ritchey TT bars made their debut in 2003 in some of the most important time trials in professional road racing - from the Time Trial World Championships, to the Tour de France.

Where time trials are just a part of road racing, they are however, everything in a triathlon. Pro triathletes spend all of their time in the time trial position, and with many body styles to accommodate; the equipment must be as strong and adjustable, as it is lightweight and aerodynamic.

After the success of our Prologue and Probiscus TT bars, Tom decided it was time to design a top-flight, carbon TT bar, without sacrificing the adjustability that has made our TT bars so popular. Meet the HammerHead. As seen on many pros' bikes in the Tour this past summer, many of whom switched to Ritchey from their custom bars the day before the Stage 1 time trial. Coming soon to a shop near you. Just don't be surprised if putting one on your bike means you have to get used to catching your 'minute man' more often than you're used to.

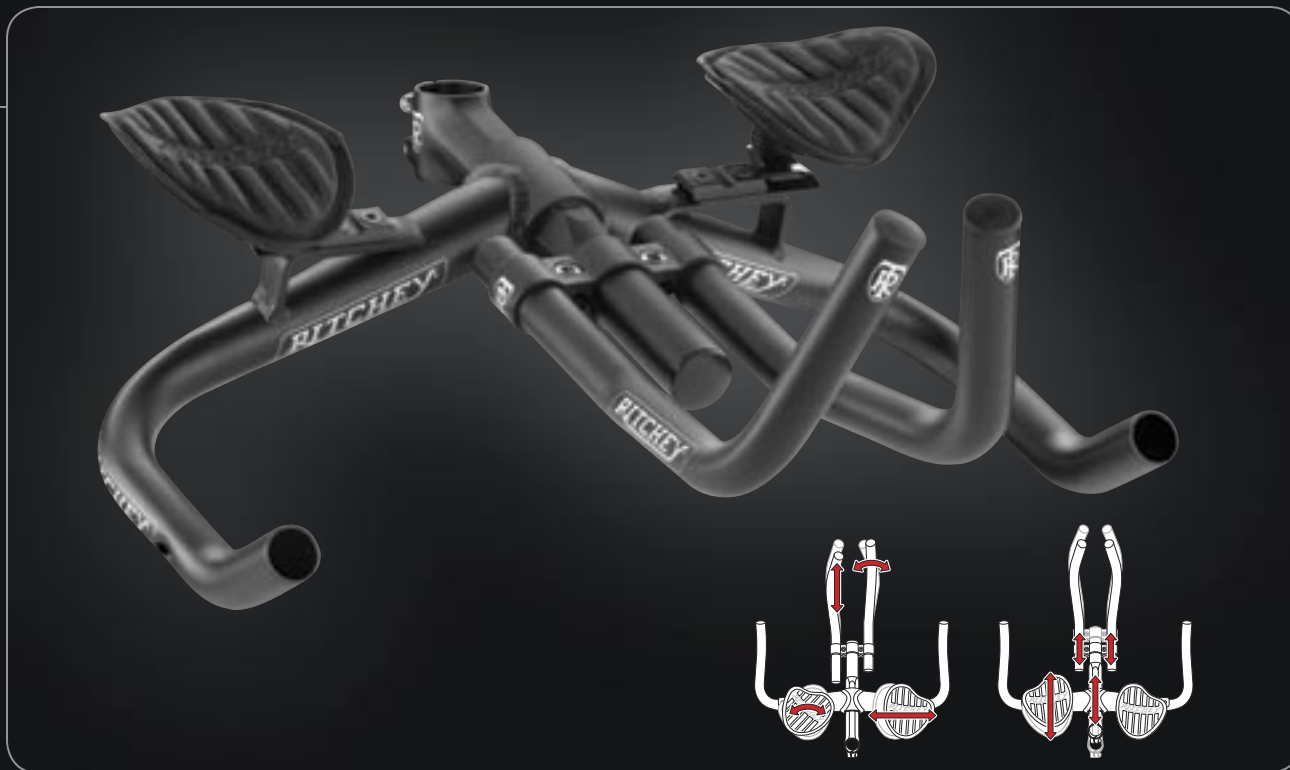
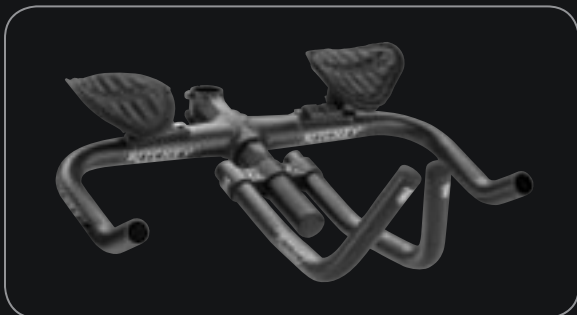
Hammerhead™ Carbon TT Bar

- [Full carbon base bar construction
- [Fits all 31.8mm stems
- [Wide range of adjustments for reach and armrest width
- [New fully adjustable S-bend aero extensions
- [600g (40mm)



Probiscus™ Aero Bar

- [Stiff robust design intended for aggressive time trailists
- [Wide range of adjustment including base bar position, pad width, extension angle and grip position
- [Integrated stem features angled clamp and opposing bolts designed to safely and securely clamp lightweight steerers
- [Available in zero and 80mm drop version
- [850g



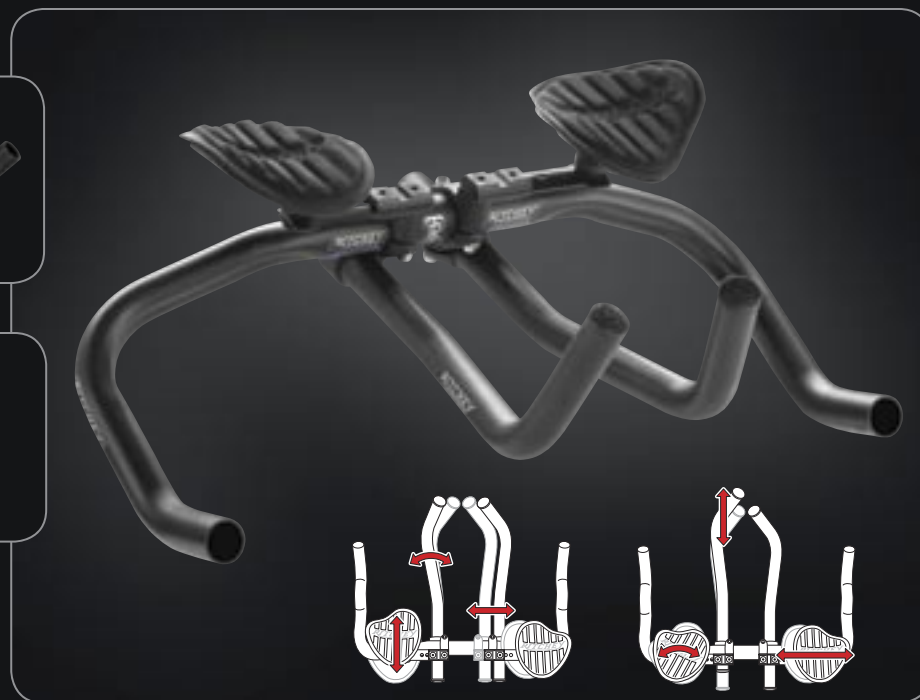
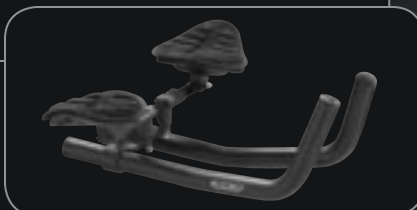
Prologue™ Base Bar

- [Seamless, double butted and bead-blasted 2014 aluminum
- [Grooved to hide cables
- [210g (42cm)



Prologue™ Clip-On Bar

- [Seamless, bead-blasted 6061 aluminum
- [Bolt-on Time Trial Bars
- [Wide range of adjustments for reach, angle and armrest width
- [626 grams (clip-on only)
- [Base bar sold separately



Ritchey Pedals are Back

After a bit of a hiatus, we've got all new mountain and road pedals. It took a bit longer than we hoped, but we made sure to get it right, and the reviews show that Tom did his homework. The new V4 MTN pedal is picking up right where the V3 left off, only it's lighter, has better bearings, and costs less. The V4 Micro is a one-sided version, perfect

for touring, or any time you want to use a flat-soled shoe, or those weight weenies out there...at 208 grams per pair, there may be a few big plastic pedals collecting dust in the future. Finally, our first ever 3-bolt pedal, the Peloton, is classic Ritchey - simplicity, light weight, and a function first design philosophy are all clearly shown in the finished product.



Pro™ Peloton™ Road

- [This pedal has all the hallmarks of a classic Ritchey design: light weight, beautiful clean lines, and a function first design philosophy
- [CroMoly axle, alloy body, magnesium claw
- [282 grams per pair
- [Bushings and bearings ensure long life
- [Low profile cleat/pedal interface for maximum pedaling efficiency
- [Adjustable spring tension for customizing entry and release

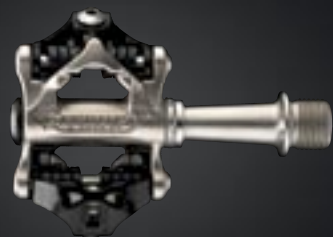
Pro™ Micro Road

- [One-sided version of the V4 MTN
- [One of the lowest pedal platform to shoe sole heights on the market, providing an improved biomechanical position
- [Special cleat design is super low-profile
- [Only 208 grams per pair



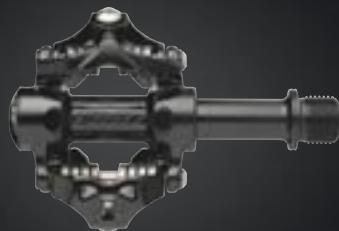
Pro™ V4 Mountain

- [The latest classic pedal design from Tom Ritchey
- [Stainless steel body for seasons of hard use
- [CroMo axle = optimum strength to weight ratio
- [Low profile cleat design
- [Only 280g per pair



Comp™ V4 Mountain

- [Low Profile Body
- [Cast Steel Body is lighter and stronger than alloy versions
- [Smooth ball burnished bearing surfaces
- [Uses top quality Ritchey bearing grease
- [340g per pair





WCS™ Carbon

- [Race tested design
- [One piece carbon monocoque construction
- [Unique carbon dropout design allows for secure wheel clamping at a reduced weight
- [Entire fork designed to dissipate loads throughout the fork, reducing stress on the critical crown area.
- [44mm crown shoulder aligns with integrated and standard headsets for visual alignment
- [308g (uncut steerer)

Unique carbon dropout design allows for secure wheel clamping at a reduced weight



Ritchey Forks - The Choice of FDJ

Last year, the Francaise Des Jeux team tried our forks out at the Tour. They liked them so much that Ritchey is now the official fork supplier for the team. With impressive stiffness and laser-like steering precision, all at some of the lowest weights on the market, Ritchey forks are a great way to lose some weight, and improve your bike's handling all at the same time.





Pro™ Carbon

- [Race tested design
- [Carbon monocoque construction
- [Entire fork designed to dissipate loads throughout the fork, reducing stress on the critical crown area.
- [Additional carbon and resin reinforces the blades and crown for hard use
- [44mm crown shoulder aligns with integrated and standard headsets for visual alignment
- [360g (uncut steerer)



Comp™ Carbon

- [3D Forged crown assembly (1 1/8" only)
- [Alloy dropouts
- [1" alloy steerer compatible with standard headsets
- [460g (1" w/uncut steerer)



WCS™ Carbon Cross

- [The WCS Carbon Cross fork will improve your bike's barrier-jumping and singletrack handling. The specially formed blades provide precision handling and superb vibration damping. Designed to work with either integrated headsets or standard headsets, this fork will be a great upgrade to any bike.
- [449g (uncut steerer)



Break-Away® Bikes

Take the legendary and inspiring handling of the Ritchey Road Logic and combine it with the feel and security of a beautifully handcrafted frame. Add a revolutionary coupling system that enables you to pack it up and take it with you wherever you go in a case that measures a scant 9x26x29 (23x66x73.5cm)! The result is the ultimate travel bike: the Ritchey Break-Away.

The Break-Away Bike disassembles and assembles in minutes and comes complete with a travel bag. Ritchey custom steel and Titanium tubesets and the patented compression coupling system are the keys to this design. The frame is securely joined at the seatpost in two places and on the downtube. The coupler clamps unobtrusively around small flanges on the down tube. While this system is as secure as systems much larger it adds less than 100 grams.

Break-Away frames are available in custom heat treated Ritchey Chromoly tubing, or in custom drawn 3/2.5 aerospace grade Titanium and Carbon Fiber. Complete Chromoly bikes are offered with a combination of Ritchey Pro/Shimano 10 speed Ultegra, and complete Titanium Carbon bikes are offered with Ritchey WCS/Shimano 10 speed Dura Ace.

You can purchase a Break-Away bike by going to your favorite shop. If they don't stock the Ritchey Break-Away, you can either have them contact us to special order, or you can visit our website at www.ritcheyllogic.com. All online bike orders will be routed through a local bike shop. This ensures professional assembly, customer education, and final customer approval after delivery.

Break-Away



Patented compression coupling system joins front and rear triangles near the bottom bracket shell.



Patented locking system joins seat tube and top tube.



The Break-Away Bike disassembles and assembles in minutes and comes complete with a soft case travel bag.

Ti/Carbon Break-Away®

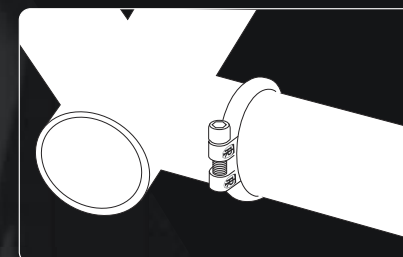
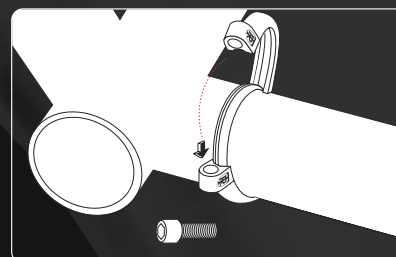
- [Custom drawn 3/2.5 aerospace grade Titanium tubing, with high modulus Carbon Fiber rear triangle
- [100% full size bicycle can be split apart mid-frame & packed into a 9"x26"x29" case
- [Patented locking compression coupling system adds only 100 grams to a complete frame
- [Uses proven Ritchey geometry and design
- [Available in a complete Shimano® Dura-Ace® 10speed bike with all Ritchey WCS and Ritchey Carbon components
- [Includes travel case

Break-Away® Road Bike

- [100% full size bicycle can be split apart mid-frame & packed into a 9"x26"x29" case
- [Patented locking compression coupling system adds only 100 grams to a complete frame
- [Custom heat treated Ritchey cromoly steel tubing
- [Ritchey Pro Carbon Fork
- [Ritchey Pro and Shimano® Ultegra® components
- [Includes travel case

Break-Away® Road Frame Geometry (Ti/Carbon and Steel Frames)

Frame Size (cm.)	50	52	54	56	58	60
Top Tube (Effective)	53	54	55	56	57.5	59
Seat Tube (Center to top)	48	48	48	54	54	54
Seat Tube Angle	75°	75°	73.5°	73.5°	73.5°	73.5°
Head Tube Angle	72.5°	73°	73.5°	73.5°	73.5°	73.5°
Bottom Bracket Drop	72	72	70	70	70	70
Chainstay	41	41	41.5	41.5	41.5	41.5
Wheelbase	97	98	98.5	99.5	101	102
Fork Rake	44	44	44	44	44	44
Post Diam.	27.2	27.2	27.2	27.2	27.2	27.2
Stand Over Height	73.9	73.9	79	79	79	79



Cromoly compression coupling joins front and rear triangles near bottom bracket shell.

Ti/Carbon Break-Away® Road Frame

- [Custom drawn 3/2.5 aerospace grade Titanium tubing, with high modulus Carbon Fiber rear triangle
- [100% full size bicycle can be split apart mid-frame & packed into a 9"x26"x29" case
- [Patented locking compression coupling system adds only 100 grams to a complete frame
- [Uses proven Ritchey geometry and design
- [Includes travel case

Break-Away® Rolling Travel Bag



Break-Away® Road Frame

- [100% full size bicycle can be split apart mid-frame & packed into a 9"x26"x29" case
- [Patented locking cromoly compression coupling system adds only 100 grams to a complete frame
- [Custom heat treated Ritchey cromoly steel tubing
- [Includes the Ritchey Pro Carbon Fork and Pro Headset
- [Includes travel case

Break-Away



Break-Away



Ti Break-Away® Cross Frame

- [Made from extra lightweight custom drawn and mitered 3/2.5 Titanium
- [Patented locking compression coupling system
- [Swiss Cross inspired design and geometry
- [Stout bridgeless chainstay design
- [Integrated headset
- [Durable sand blasted graphics
- [Travel case included
- [Comes with the WCS all carbon cross fork

Break-Away® Cross Frame Geometry (Titanium and Steel Cross Frames)

Frame Size (cm.)	50	52	54	56	58	60
Top Tube (Effective)	52.5	53	54	55.5	57	58
Seat Tube (Center to top)	50	50	50	56	56	56
Seat Tube Angle	74°	74°	73.5°	73.5°	73.5°	73.5°
Head Tube Angle	71.5°	71.5°	72°	72°	72°	72°
Bottom Bracket Drop	6.5	6.5	6.5	6.5	6.5	6.5
Chainstay	42.5	42.5	42.5	42.5	42.5	42.5
Wheelbase	99.5	100	101	102	103	104
Fork Rake	44	44	44	44	44	44
Post Diam.	27.2	27.2	27.2	27.2	27.2	27.2
Stand Over Height	73.7	75.4	77.7	79.5	81.3	82.5

Break-Away® Cross Frame

- [Swiss Cross inspired design and geometry
- [Patented locking compression coupling system
- [F & R eyelets for rack mounting
- [Utilizes custom butted heat treated Ritchey steel tubing
- [Travel case included
- [Orange/Gray only
- [Comes with 1 1/8" carbon fork with alloy steerer and brake bosses

Break-Away



Break-Away





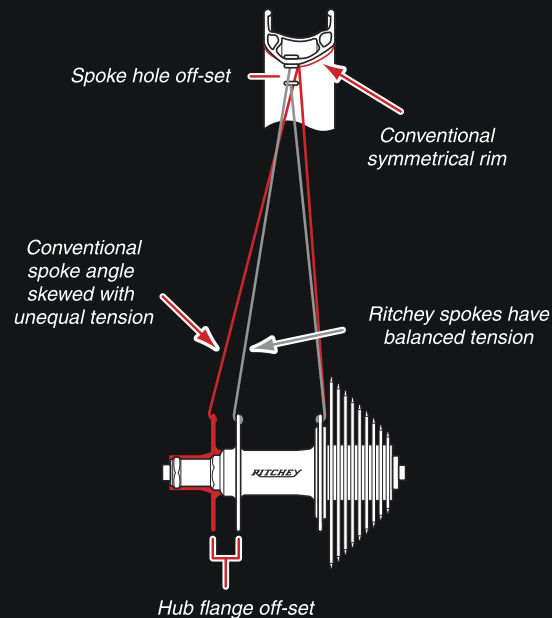
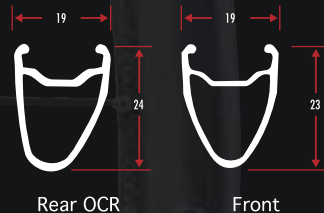
WCS™ Carbon Tubulars & Clinchers

- [Race proven US made carbon rim
- [Very aerodynamic, featuring 16 spokes front, 24 rear
- [Forged & CNC'd WCS hubs featuring titanium skewers
- [Alloy Shimano or Campy freehubs
- [Serialized with a full warranty
- [Tubular – Front: 578g / Rear Shimano: 758g / Rear Campy: 799g
- [Clincher – Front: 799g / Rear Shimano: 949g / Rear Campy: 990g
- [For complete specs see pg 43



WCS™ Protocol™

- [Rims manufactured with a new destressing process which makes the wheel truer, rounder, and stronger
- [Forged and CNC'd WCS hubs featuring titanium skewers
- [OCR rim and Zero System hub eliminates dish
- [Aerodynamic, featuring 16/20 spokes front, 24 rear
- [High Tolerance machined sidewalls
- [Alloy Shimano/Campy freehubs
- [Serialized with a full warranty
- [Front: 650g / Rear Shimano: 810g / Rear Campy: 870g
- [For complete specs see pg 43



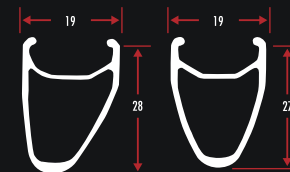
Zero OCR™ Technology

Rear wheels are weak because they're not balanced — the drive-side hub flange is moved 10mm inward to make room for 8, 9 and 10-speed cassettes. This means the drive side spokes are at a nearly vertical bracing angle and tensioned 80-100 percent higher than non-drive side spokes. This means your wheel wants to bend. OCR (Off Center Rear) rims help reduce this imbalance by shifting spoke holes 3mm towards the non-drive side of the rear wheel, and the carefully positioned Zero System hub flanges remove the remaining 7mm of dish to reduce the spoke tension imbalance by more than 50 percent. The result is a rear wheel with carefully tuned spoke angles, minimal dish and almost equal spoke tension between the drive/non-drive side, so Zero OCR wheels can be built lighter, but stronger than wheels weighing more.



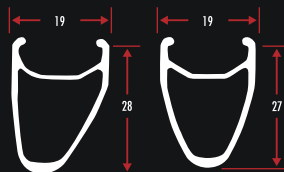
WCS™ Deep Section (DS)

- [OCR rim and Zero System hub eliminates dish
- [Aerodynamic 27mm front/28mm rear profile and 20-spoke radial front/24-hole 2-cross rear
- [Bladed, stainless steel spokes
- [Cold forged and machined Pro hubs
- [Smooth, low maintenance custom cartridge bearings packed with Ritchey grease
- [High Tolerance machined sidewalls
- [Serialized with a full warranty
- [650g front / 834g rear
- [For complete specs see pg 43



Pro™ Z Deep Section (DS)

- [OCR rim and Zero System hub eliminates dish (see diagram on page XX)
- [Aerodynamic 27mm front/28mm rear profile and 20-spoke radial front/24-hole 2-cross rear
- [Bladed, stainless steel spokes
- [Cold forged and machined Pro hubs
- [Smooth, low maintenance custom cartridge bearings packed with Ritchey grease
- [High Tolerance machined sidewalls
- [Serialized with a full warranty
- [Front: 778g / Rear Shimano: 1060g
- [Comp version available, for complete specs see pg 43





Disc OCR Pro™ Wheels

- [Bomber, forged and CNC-machined hubs to handle higher stress of disc brakes
- [Custom cartridge bearings packed with Ritchey grease
- [Double-wall Disc OCR 32-hole rims with reinforced eyelets
- [Anti-pinch rim lip and butted spokes
- [14mm Ritchey Skraxle CrMo QR/axle
- [Serialized with a full warranty
- [860g front / 1075g rear



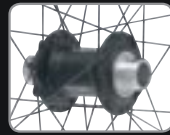
Also available with
20mm thru axle



Front & Rear

Girder™ SC Wheels

- [Designed for heavy duty use
- [Oversized front Skraxle axle/QR system
- [Oversized left rear bearing to absorb higher braking torque
- [Girder SC OCR rims front and rear minimize dish
- [Serialized with a full warranty
- [Available in europe only



Also available with
20mm thru axle



WCS™ and Pro™ Girder XC Mountain

- [Zero hub and OCR rim for a dishless wheel
- [Cold forged and machined WCS hubs
- [Smooth, custom cartridge bearings packed with Ritchey grease
- [Aluminum rear axle saves weight without sacrificing strength (WCS)
- [14mm Skraxle QR/axle in one boosts front end stiffness
- [Butted spokes – radial front, 2 cross rear (WCS), 3 cross rear (Pro)
- [Serialized with a full warranty



Front



Rear OCR



WCS™ & Pro™ Compact Crank

- [110mm Bolt Circle Diameter allows a wider range of chainring selection, giving you almost the same gearing as a triple with the weight and simplicity of a double
- [Cold forged design focuses strength at the high stress pedal and BB interfaces, while removing extra weight from the lower stress center of the arms.
- [Integrated fifth arm spider
- [Specially designed shift ramps and pins allow for wide gear ranges
- [Favored by many cross racers
- [170, 172.5 and 175mm lengths
- [See pg 43 for complete specs
- [WCS: 570g, Pro: 580g

WCS™ & Pro™ Cross V Crank

- [Cold forged design focuses strength at the high stress pedal and BB interfaces, while removing extra weight from the lower stress center of the arms.
- [Integrated fifth arm spider
- [Cross-specific 38/48t wear-resistant hard anodized rings are pinned to improve shifting
- [170, 172.5 and 175mm lengths
- [Black anodized finish
- [WCS: 580g, Pro: 590g



WCS™ Streem Saddle

- [Vector wing design dissipates vibration
- [Low-profile design and narrow shell
- [35% carbon injected shell for stiffness
- [Superlight foam
- [Genuine leather and titanium rails



Pro™ & Comp Streem Saddle

- [Vector wing design dissipates vibration
- [Low-profile design and narrow shell
- [35% carbon injected shell for stiffness and lightweight
- [Pro: Tubular Cromo Rails
- [Comp: Cromo Rails



Saddles	rails	cover	weight
	Titanium	Leather	180g
	Cromo	Synthetic Leather	210g
	Cromo	Vinyl	295g



Z-Min™

- [High performance XC tire specifically designed for dry, hardpack conditions
- [New sub 400g proprietary casing and construction
- [Frischi's new favorite dry condition race tire

Z Min	26.x1.9	26.x2.2
	370g	N/A



Z-Max Millennium™

- [All-around, front or rear
World Cup, caliber race tire with VFA tread
- [One of the winningest tires of all time

Z-Max Millennium	26x1.7	26x1.9	26x2.1	26x2.35
	442g	495g	580g	-
	-	525g	610g	720g
	-	-	740g	-
	-	605g	680g	750g



MotoVader™

- [Aggressive 2 stage VFA tread for traction in extreme conditions
- [Plush 2.6 width for free-ride, DH and dual slalom
- [Reinforced knobs
- [Pro – sticky slow rebound rubber compound

MotoVader	26x2.1	26x2.4	26x2.6
	685g	750g	900g
	715g	800g	-



Z.E.D. Race™

- [Refined, low profile VFA knobs for minimal weight

Z.E.D. Race	26x1.9	26x2.1
	490g	530g
	515g	545g
	-	725g
	570g	-



Tire Rotation and the VFA™ Story

Vector Force Analysis (VFA™) analyzes the directional forces thrust upon a tire during cornering, accelerating, braking, climbing and descending. These forces vary with factors like tire pressure, rider weight, trail conditions, lean angle, etc. The combination of these and other rider inputs, plus the effects of trail friction and gravity combine to produce a single vector force affecting each tire knob. VFA™ is a method of analyzing these forces to understand which are most prevalent in specific conditions, then designing tires with the best possible combination of knob surfaces and strength, as well as mud clearing and rolling characteristics for the application. Even though Ritchey pioneered this concept over ten years ago, it is only recently that other tire manufacturers have caught on to the fact that VFA™ works and consequently more parabolic shapes are showing up on competitors' tire designs.



ExcaVader™

- [Aggressive, fast-rolling 3rd generation VFA tread design
- [All conditions, front or rear
- [Available in UST Tubeless 26x1.9

ExcaVader	26x1.9	26x2.1
	490g	530g
	545g	580g
	595g	-
	575g	620g



InnoVader™

- [Fast-rolling semi-knobby VFA tread
- [Great for hard-packed conditions & fire roads
- [Very low rolling resistance
- [Pro 2.1 – dual compound tread

InnoVader	26x2.0	26x2.1
	490g	490g
	-	495g
	-	552g



SpeedMax™

- [Low Profile Z-Max VFA side-knobs
- ["Original" low rolling resistance tire
- [Diamond pattern centers with VFA baffles

SpeedMax	26x2.0
	585g
	640g

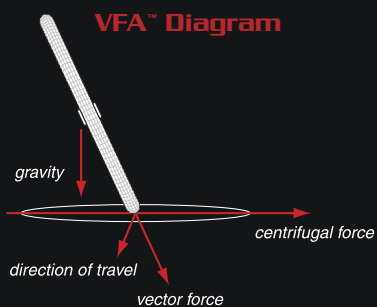


SpeedMax™ Delta™

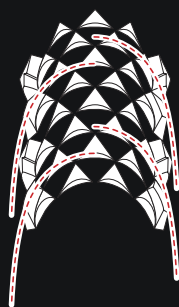
- [A city oriented, fast-rolling tread design evolved from InnoVader tread design
- [Good for hardpack trails or as an MTB commuter tire

SpeedMax Delta	26.x1.9
	N/A

VFA™ Diagram



Tires experience multiple vectors during cornering, climbing and descending. The combination of these vectors results in a single vector force.



VFA™ design tread patterns follow parabolic curve for traction at every lean angle.



The tread knobs are specifically designed with supports that counteract the vector force being applied perpendicularly to the tire.



Ritchey Road Rubber

Ritchey's premium road tires are handmade at one of the world's finest tire manufacturing facilities. They utilize the best materials and rubber technology. It isn't the cheapest way to do things, but it guarantees that Ritchey tires are crafted to the highest standards - something you'll appreciate on a twisty, 100kph descent.



WCS™ Race Slick Tubular

- [The ultimate performance tubular
- [Supple 290tpi cotton casing
- [Racing compound smooth tread for maximum grip in any condition
- [180psi/12 BAR maximum pressure
- [Puncture Resistant Belt (PRB)
- [Handmade
- [48mm valve stem



WCS™ Race Slick Open

- [Clincher version of the WCS tubular
- [Supple 290tpi cotton casing
- [Racing compound smooth tread for maximum grip in any condition
- [Puncture Resistant Belt (PRB)
- [160psi/10 BAR maximum pressure
- [Handmade



WCS™ Race Slick

- [120tpi Nylon casing resists flats
- [Slick tread for cornering grip
- [High density rubber
- [Puncture Resistant Belt (PRB)
- [120psi/8.5 BAR maximum pressure





Tom Slick™

- [Great all-around training tire
- [VFA side grooves improve grip in all conditions



Tom Slick™ with Fortress™ Casing

- [New high mileage casing that resists flats, yet still provides a supple ride
- [Bead to bead polymide casing for ultra flat prevention
- [Dual tread compound makes this a great high performance tire for training and touring



Road Tire Matrix

Road Tubular	700x21	700x23
	250g	270g
	300g	—
Race Slick Open	—	700x23
	—	230g
Race Slick	—	700x23
	—	230g
	—	240g
	—	270g
Tom Slick	—	700x23
	—	210g
	—	225g
Tom Slick Fortress	—	700x23
	—	293g



Super Light Road & Mountain Tubes

- [Lighter than standard butyl tubes
- [Presta valve
- [Available in all popular sizes

Lightweight Butyl Tube

- [Standard butyl tubes
- [Available in all popular sizes



SpeedMax™ Delta™ 700

- [A city oriented, fast-rolling tread design evolved from InnoVader tread design
- [Good for hardpack trails or as an MTB commuter tire

SpeedMax Delta	700x35
	N/A



30



32



35

SpeedMax™ Cross Series

- [Low rolling resistance
- [Excellent mud clearing capability
- [Diamond pattern center with VFA baffles
- [Available in three different widths – 30, 32 and 35

SpeedMax Cross	700x30	700x32	700x35
	310g	320g	335g
	335g	380g	440g



Alphabite TrailMix™

- [Great all-around road, cyclo-cross or hybrid tread
- [VFA design for off-road traction and interlocking center strip for a smooth, fast ride on pavement

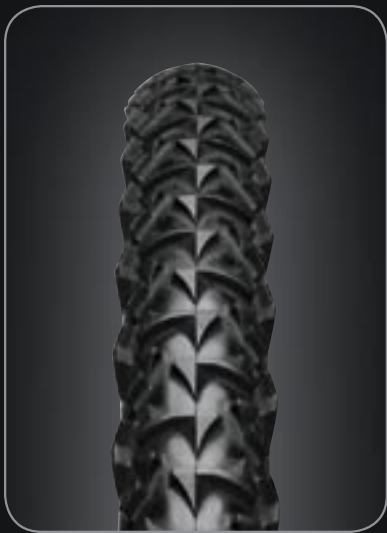
Alphabite TrailMix	700x35	700x40
	440g	470g



Tom Slick™ 26"

- [Great all-around training tire
- [VFA side grooves improve grip in all conditions

Tom Slick	26x1.0	26x1.4
	250g	350g
	300g	400g



ExcaVader™

- [Aggressive, fast-rolling 3rd generation VFA tread design
- [All conditions, front or rear

ExcaVader 700	700x35
PRO	310g
COMP	420g



Max Cross

- [Ultra-low rolling resistance
- [Low center profile
- [Aggressive shoulders for cornering traction
- [Great for gravel roads, and hard pack trails
- [Reflective sidewall stripe (35c)

Max Cross	700x35	700x40
COMP	400g	430g



Z.E.D 700™

- [Semi-square VFA™ tread profile for aggressive traction and cornering
- [Unique center tread for low rolling resistance
- [Can be used as a 29'er or as an extreme duty cyclo-cross / off road touring tire
- [Suited for multi-condition, all around use – Front or rear

Z.E.D. 700	700x42
PRO	395g
COMP	450g

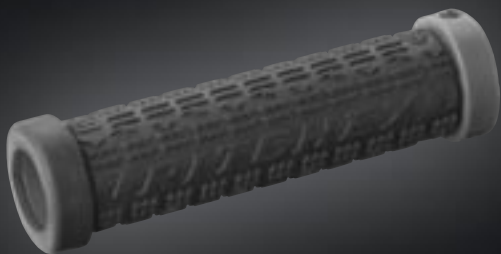


Moby Bite™

- [Sticky slick tire for riding on Slickrock or city streets
- [Traction fins hold the trail when riding across steep inclines
- [Wide tire makes a great cruiser or sand tire
- [A blast to cruise on

Moby Bite	26x2.1
COMP	730g





SpeedMax™ Locking Grips

- [Two-bolt, one-side locking design
- [Grip pattern derived from speedmax tire tread
- [Great for wet riding conditions

WCS™ TrueGrips™

- [Tough neoprene foam is superlight, plush and grippy even in wet conditions
- [Slim anatomical shape
- [One of the lightest grips available

TrueGrip™

- [Durable, no-slip Kraton rubber
- [Classic Ritchey shape reduces hand fatigue and boosts grip

TGV™ Grips

- [Dual compound won't slip on the bar or in your hand
- [Aggressive design works great even in nasty conditions
- [Standard or twist shifter length

TrueGrip Lite™

- [Durable, no-slip Kraton rubber
- [Horizontal fin pattern
- [Europe Only

TrueGrip VI™

- [Dual compound, no-slip Kraton rubber
- [Ergonomically designed





Ritchey Bearing Grease

- [Specially formulated for demanding bicycle applications
- [Superior webbing characteristic resists shearing
- [Resists breakdown from water and bearing friction
- [Available only from Ritchey USA

Ritchey Chain Lube

- [Cleans and lubricates in one step
- [Creates a membrane around the moving parts of your chain which floats dirt to the surface where it can't harm the chain
- [Seals out contaminants
- [4oz & 16oz bottles
- [Available only from Ritchey USA



Ritchey Snap On Rim Strip

- [New design offers secure, snug fit to rim
- [New coating resists "creeping" on the rim - perfect for OCR rims
- [Will not dimple into spoke holes — even at high performance road tire pressures
- [Available in (700c/17mm) - (26"/20mm) - (650c/17mm)

Road Barrel Adjusters

- [Allows for derailleur adjustments from the handlebars
- [Works with Shimano road shifters



Condition Specific Brake Pads

- Standard: Start in the dry, ride in the dry, finish in the dry.
- Severe: Start in the dry, ride in the wet, finish in the dry.
- Extreme: Start in the wet, ride in the wet, finish in the wet.

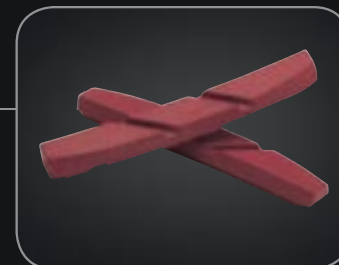
Super Logic® Road Brake Pad

- [Cartridge-style replacement pad for Shimano Dura-Ace and Ultegra brakes
- [Angled channels shed water and dirt from rim for optimum braking
- [Profiled to prevent squealing



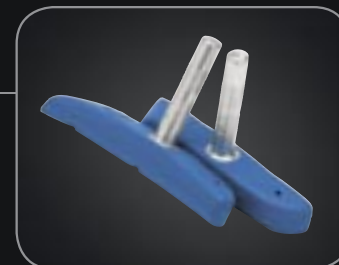
Super Logic® Mountain Brake Pad

- [Cartridge-style replacement pad for Shimano, Avid and other linear brakes
- [Angled channels shed water and dirt from rim for optimum braking
- [Profiled to prevent squealing



Logic® LP

- [Threaded and post-style pads for non-cartridge brakes
- [Angled channels shed water and dirt from rim for optimum braking
- [Profiled to prevent squealing



Logic® Canti Pads

- [Post-style pad profiled to provide maximum rim sidewall contact and tire clearance
- [Angled channels shed water and dirt from rim for optimum braking
- [Profiled to prevent squealing





Racing & Team Sponsorships

The term “racing improves the breed” embodies Ritchey’s approach to the relationship between performance in competition and product development. During the 2005 season, Ritchey sponsored four European Pro Tour teams: Saunier-Duval Prodir, Française des Jeux, Crédit Agricole, and Gerolsteiner; we also continued our close relationship with Thomas Frischknecht’s powerful Swisspower team – one of the most successful MTB teams in the world. In North America, we sponsored the powerhouse Healthnet presented by Maxxis cycling team, as well as several Continental teams in Europe. In addition, Ritchey sponsored over 100 grassroots cycling teams across the US who, among them, provide a resource of over 75 professional racers and over 500 grassroots racers whose jobs are to win every race they enter. They all race on Ritchey components because they know that our products are the lightest and most reliable they can get.

The rigors of professional racing create the highest benchmark for proving product. The riders that put our products through the paces everyday cannot afford to race and train on product that they cannot rely on 100%, day in and day out. Our pro race teams use our WCS and WCS Carbon series of handlebars, stems, and seatposts, and the feedback they give us regarding comfort, shape, stiffness, and durability is used to improve those products, as well as the others in our line, because our philosophy is that if it’s good enough for the peloton or the World Cup MTB circuit, it deserves to bear the Ritchey name on the shelves at your local bike shop.

Our pro race teams have also been instrumental in testing and developing new products, such as the new and innovative carbon bar friendly WCS 4-Axis stem, the





very slippery Hammerhead Aero bar, and the new WCS Carbon Stream wing style road bar. Without their valuable hours spent on the product, we would not feel confident that the right product would be brought to you.

So when you read the term, "racing improves the breed," remember that with Ritchey products, our race teams are one of the most important steps in our product development cycle. Screaming down cols, hammering shoulder to shoulder, and pounding over cobbles all contribute to making our products just right for you, whether you aspire to mix it up against the pros one day, or are just out on your bike to have a good time and see a bit more of the world.



Product Specification Charts

Availability = [Blue = US Only Red = Europe Only Black = Both]

For the most recent and up-to-date info please visit us at ritcheylogic.com

Stems

WCS 4AXIS	material	stem const.	cap width	cap bolts	steerer	bar	angle	lengths	weight	finish
	2014	3D Forged	40	4	1 1/8"	31.8mm	84/73°	See chart	111g	BB Black
WCS/Pro/Comp Stems	material	stem const.	cap width	cap bolts	steerer	bar	angle	lengths	weight	finish
	TRX50	3D Forged	40	4	1 1/8"	25.4/25.8mm	84°	See chart	125g	BB Black
	TRX50	3D Forged	40	4	1 1/8"	31.8mm	84°	See chart	130g	BB Black
	6061 T-6	3D Forged	40	4	1 1/8"	25.4/25.8mm	84/73°	See Chart	150g	BB Black
	6061 T-6	3D Forged	40	4	1 1/8"	31.8mm	84°	See Chart	155g	BB Black
	6061 T-6	3D Forged	42	4	1 1/8"	25.4/25.8mm	84°	See Chart	165g	BB Black
	6061 T-6	3D Forged	42	4	1 1/8"	31.8mm	84°	See Chart	170g	BB Black
Pro Adjustable Stem	material	stem const.	cap width	cap bolts	steerer	bar	angle	lengths	weight	finish
	6061 T-6	3D Forged	40	4	1 1/8"	25.4/25.8mm	90° range	80,100,120	219g	BB Black

Stem Matrix

Model	Degree	60	70	80	90	100	110	120	130	140
WCS 4AXIS	84/6				X	X	X	X	X	
WCS 4AXIS	73/17				X	X	X	X	X	
WCS O/S	84/6				X	X	X	X	X	X
WCS Road	84/6				X	X	X	X	X	
WCS Mountain	84/6				X	X	X	X	X	
Pro O/S	84/6				X	X	X	X	X	
PRO Road	84/6			X	X	X	X	X	X	
PRO Road	73/17			X	X	X	X	X	X	
PRO Mountain	84/6			X	X	X	X	X	X	
PRO Mountain	73/17			X	X	X	X	X	X	
PRO Adjustable	+45/-45			X		X		X		
COMP O/S	84/6				X	X	X	X	X	
COMP Road	84/6				X	X	X	X	X	
COMP Mountain	84/6				X	X	X	X	X	
2-bolt Mountain	5°	X	(75mm)							

Seatposts

Carbon Posts	material	cradle	diameter	length	weight	finish	
	Carbon	43x38	27.2/31.6/34.9	300/350/400	160g (27.2/300)	Carbon	
 45mm offset	Carbon	43x38	31.6	350mm	176g (300mm)	Carbon	
	Carbon/6061	43x38	27.0/27.2/31.6	300/350/400	180g (27.2/300)	Carbon/BB Black	
Alloy Posts	material	construction	cradle	diameter	length	weight	finish
	7075	3D Forged	43x38	27.2/30.9 31.4/31.6	280/300/350/400	235g (27.2/350)	BB Black
	2014	3D Forged	43x38	26.8/27.2/30.9 31.4/31.6	280/300/350/400	275g (27.2/400)	BB Black
	6061	3D Forged	43x38	26.8/27.0/27.2/ 30.9/31.4/31.6/34.9	250/300/400	305g (27.2/400)	BB Black

Road & Mountain Handlebars

Carbon Stream	material	width Center to Center		drop/reach	weight	finish	clamp dia	
	Carbon	40/42/44		145/84mm	230g (42 cm)	Carbon	31.8	
Carbon Logic	material	width Center to Center		drop/reach	weight	finish	clamp dia	
	Carbon	40,42,44		144/82mm	215g (42 cm)	Carbon	31.8	
Carbon Classic	material	width Center to Center		drop/reach	weight	finish	clamp dia	
	Carbon	40/42/44		135/82mm	210g (42 cm)	Carbon	31.8	
Alloy Logic	material	butting	width Center to Center	drop/reach	weight	finish	clamp dia	
	TRX50	Triple	40,42,44	144/82mm	210g (42 cm)	BB Black	25.8	
	7075 T-6	Double	38,40,42,44,46	144/82mm	250g (42 cm)	BB Black	25.8	
	6061 T-6	Single	40,42,44	144/82mm	270g (42 cm)	BB Black	25.8	
Alloy O/S Logic	material	butting	width Center to Center	drop/reach	weight	finish	clamp dia	
	TRX50	Triple	40,42,44	144/82mm	235g (42 cm)	BB Black	31.8	
	7075 T-6	Double	40,42,44	144/82mm	270g (42 cm)	BB Black	31.8	
	6061 T-6	Single	40,42,44	144/82mm	290g (42 cm)	BB Black	31.8	
Alloy Classic	material	butting	width Center to Center	drop/reach	weight	finish	clamp dia	
	TRX50	Triple	40,42,44	135/82mm	210g (42 cm)	BB Black	25.8	
	TRX50	Triple	40,42,44	135/82mm	235g (42 cm)	BB Black	31.8	
	TRX50	Triple	40,42,44	144/82mm	235g (42 cm)	BB Black	31.8	
BioMax	material	butting	width (center to center)	drop/reach	flare	weight	finish	clamp dia
	7075 T-6	Triple	38,40,42,44	130/75mm	3°	235g (42 cm)	BB Black	25.8
	7075 T-6	Triple	38,40,42,44	130/75mm	3°	N/A	BB Black	31.8
Alloy Stream	material	width Center to Center		drop/reach	weight	finish	clamp dia	
	6061 T-6	40/42/44		145/84	295g (42 cm)	BB Black	31.8	
Mtn Carbon Bars	material	butting	width	bend/rise/sweep	weight	finish	diameter	
 Rizer	Carbon	N/A	660	6°/30mm/9°	170g	Carbon	31.8	
 Low-Rizer	Carbon	N/A	660	6°/15mm/9°	160g	Carbon	31.8	
 Flat	Carbon	N/A	580	5°	135g	Carbon	31.8	
Alloy Rizer Bars	material	butting	width	bend/rise/sweep	weight	finish	diameter	
	TRX50	Triple Seamless	660mm	6°/20,35mm/9°	225g	BB Black	25.4	
	TRX50	Triple Seamless	660mm	6°/30mm/9°	240g	BB Black	31.8	
	2014 T-6	Triple	670mm	6°/35mm/9°	300g	BB Black	25.4	
	2014 T-6	Triple	670mm	6°/20,35mm/9°	315g	BB Black	31.8	
	6061 T-6	Triple	670mm	6°/35mm/9°	365g	BB Black	25.4	
	6061 T-6	Triple	670mm	6°/35mm/9°	375g	BB Black	31.8	
	6061 T-6	Single	670mm	6°/45mm/9°	465g	BB Black	25.4	
Alloy Flat Bars	material	butting	width	bend	weight	finish	diameter	
	TRX50	Triple Seamless	550mm	5°	130g	BB Black	25.4	
	TRX50	Triple Seamless	580mm	5°	140g	BB Black	31.8	
	2014 T-6	Double	580mm	5°	150g	BB Black	25.4	
	2014 T-6	Double	580mm	5°	160g	BB Black	31.8	
	6061 T-6	Double	580mm	5°	180g	BB Black	25.4	
	6061 T-6	Double	580mm	5°	190g	BB Black	31.8	

Headsets

Carbon Drop In	stack height		component material	headtube ID/depth		bearings	weight		compatability		
	16.8 mm		Carbon/Alloy	42mm/6.9mm		Sealed Cartridge Stainless	69g		Cane Creek Std/ Campy		
Carbon Press Fit	stack height		component material		headtube ID/depth		bearings		weight		
	18 mm		Carbon		41mm/9mm		Sealed Cartridge Stainless		86g		
Press Fit Headset	stack height		cup material		headtube ID/depth		bearings		weight		
	12.9/18/25 mm		Alloy		44mm/9mm		Sealed Cartridge Stainless		110g (10 mm)		
	12.9/18/25 mm		CroMo		44mm/9mm		Sealed Cartridge		150g (10 mm)		
	12.2 mm		CroMo		44mm/9mm		Semi Cartridge		170g		
Drop In Headsets	stack height		component material		headtube ID/depth		bearings		weight		compatability
	9.9/16.8/25 mm		Alloy		42mm/6.9mm		Sealed Cartridge Stainless		95g (10 mm)		Campy
	9.7 mm		Alloy		41mm/6.5mm		Sealed Cartridge		90g (10 mm)		Cane Creek Std
	9.9/16.8/25 mm		Alloy		42mm/6.9mm		Sealed Cartridge		95g (10 mm)		Campy
	6.8 mm		Steel		42mm/6.9mm		Sealed Cartridge		150g (10 mm)		Campy
Logic	size	stack height	upper cone	upper cup	lower cup	crown race	upper bearing	lower bearing	weight		
	1"	28 mm	7075	7075	7075	7075	Sealed Cartridge Stainless	Sealed Cartridge Stainless	110g		
	1 1/8"	28.1 mm	7075	7075	7075	7075	Sealed Cartridge Stainless	Sealed Cartridge Stainless	125g		
	1 1/8"	32 mm	6061	6061	6061	Steel	Sealed Cartridge	Sealed Cartridge	140g		
	1t 1/8"	30.2 mm	Steel	Steel	Steel	Steel	Cartridge	Cartridge	195g		

Forks

Carbon Road Forks	headset compatibility	blade	crown	steerer	dropout	rake	weight	headset	
	Standard/Integrated	Carbon	Carbon	Carbon	Carbon	43	308g (uncut)	1 1/8"	
	Standard/Integrated	Carbon	Carbon	Carbon	Carbon	43	360g (uncut)	1 1/8"	
	Standard	Carbon	Carbon/Alloy	Alloy	Alloy	43	460g (uncut)	1" / 1 1/8"	
Carbon Cross Forks	headset compatibility	blade	crown	steerer	dropout	brake bosses	rake	weight	headset
	Standard	Carbon	Carbon	Carbon	Alloy	Alloy	48	450g	1 1/8"
	Standard	Carbon	Carbon	Alloy	Alloy	Alloy	48	N/A	1 1/8"

TT Bars

Hammerhead Carbon TT	material	width	drop	reach	weight	finish
	Carbon	38/40	0	-	600g	Carbon
Probuscus TT	material	width	drop	reach	weight	finish
	Forged 6061	38/40/42	80/0mm	Adjustable	850g	BB Black
Prologue Bars	material	width	drop/reach	weight	finish	clamp dia.
 Clip On	Forged 6061	Adjustable	Adjustable	626g	BB Black	25.8/26.0
 Base Bar	2014	40,42, 44	50mm	210g	BB Black	25.8/26.0

Crank

(Licensed by Shimano® and compatible with Shimano's 8-spline crank bottom bracket)

110 Crank	model	arms	color	spider	BCD	teeth/outer ring mat.	teeth/inner ring mat.	lengths	BB type	weight
	Double	2014t	Black	5 Arm	110	50/7075-CNC	34/Hardened Steel	170,172.5 175mm	Shimano® Octalink	570g
	Double	6061 T-6	Black	5 Arm	110	50/7075-CNC	34/Hardened Steel	170,172.5 175mm	Shimano® Octalink	580g
Cross Crank	model	arms	color	spider	BCD	teeth/outer ring mat.	teeth/inner ring mat.	lengths	BB type	weight
	Double	2014 T-6	Black	5 Arm	130	48/7075-CNC	38/ 7075-CNC	170,172.5 175mm	Shimano® Octalink	580g
	Double	6061 T-6	Black	5 Arm	130	48/5180-CNC	38/ 5180-CNC	170,172.5 175mm	Shimano® Octalink	590g

Road Wheelsets

Carbon Wheels	type	rims	hubs	spokes	nipples	build	weight w/o QR	finish	freehub
	Tubular front	Carbon	WCS Road	Bladed 2.0 Black	Brass 2.0	16xRadial	578g	Carbon	-
	Tubular rear	Carbon	WCS Zero System Road	Bladed 2.0 Black	Brass 2.0	24x2X	758g	Carbon	Alloy
	Campy Tubular rear	Carbon	WCS Zero System Road	Bladed 2.0 Black	Brass 2.0	24x2X	799g	Carbon	Alloy
	Clincher front	Carbon/Alloy	WCS Zero	Bladed 2.0 Black	Brass 2.0	16xRadial	799g	Carbon	-
	Clincher rear	Carbon/Alloy	WCS Zero System Road	Bladed 2.0 Black	Brass 2.0	24x2X	949g	Carbon	Alloy
	Campy Clincher rear	Carbon/Alloy	WCS Zero System Road	Bladed 2.0 Black	Brass 2.0	24x2X	990g	Carbon	Alloy
Protocol Wheels	type	trims	hubs	spokes	nipples	build	weight w/o QR	finish	freehub
	front	WCS Protocol	WCS Road	Bladed 2.0 Black	Alloy 2.0	20xRadial	650g	Black	-
	rear	WCS Protocol OCR	WCS Zero System Road	Bladed 2.0 Black	Alloy 2.0	24x2X	810g	Black	Alloy
	Campy rear	WCS Protocol OCR	WCS Zero System Road	Bladed 2.0 Black	Alloy 2.0	24x2X	870g	Black	Alloy
Road DS Wheels	type	rims	hubs	spokes	nipples	build	weight w/o QR	finish	freehub
	front	WCS DS-27	WCS Road	Bladed 2.0 Black	Alloy	16xRadial	650g	Black	-
	rear	WCS OCR DS-28	WCS Zero System Road	Bladed 2.0 Black	Alloy	24x2X	834g	Black	Alloy
	front	Pro DS-27	Pro Road	Bladed 2.0 Black	Brass	20xRadial	778g	Black	-
	rear	Pro OCR DS-28	Pro Zero System Road	Bladed 2.0 Black	Brass	24x2X	1060g	Black	Cromo
	front	Comp DS-27	Comp Road	2.0 SG Black	Brass	20xRadial	830g	Black	-
	rear	Comp DS-28 OCR	Comp Zero System Road	2.0 SG Black	Brass	24x2X	1098g	Black	Cromo

Mountain Wheelsets

Pro Disc Wheels	type	rims	hubs	spokes	nipples	build	weight w/o QR	finish	freehub	
	front disc	Pro Disc OCR	Pro Skraxle Disc brake	Pro 2.0/1.8 Black	Brass 2.0	32x3X	860g	Black	-	
	rear disc	Pro Disc OCR	Pro Disc brake	Pro 2.0/1.8 Black	Brass 2.0	32x3X	1075g	Black	Cromo	
	20mm O/S front disc	Pro Disc OCR	Pro 20mm0/S Disc brake	Pro 2.0/1.8 Black	Brass 2.0	32x3X	855g	Black	-	
WCS/Pro Girder XC	type	rims	hubs	spokes	nipples	build	weight w/o QR	finish	freehub	
	front	WCS Girder	WCS MTN Skraxle	WCS 2.0/1.8 Black	Alloy 2.0	24xRadial	725g	Black	-	
	rear	WCS OCR	WCS Mtn Zero System	WCS 2.0/1.8 Black	Alloy 2.0	28x2X	810g	Black	Alloy	
	front disc	WCS Girder	WCS MTN Disc	WCS 2.0/1.8 Black	Alloy 2.0	28x2X	775g	Black	-	
	rear disc	WCS OCR	WCS Mtn Zero System Disc	WCS 2.0/1.8 Black	Alloy 2.0	28x2X	885g	Black	Alloy	
	front	Pro Girder	Pro MTN Skraxle	Pro 2.0/1.8 Black	Brass 2.0	28xRadial	848g	Black	-	
	rear	Pro OCR	Pro Mtn Zero System	Pro 2.0/1.8 Black	Brass 2.0	28x3X	919g	Black	Cromo	
Girder SC Wheels	type	rims	hubs	braking	spokes	nipples	build	weight w/o QR	finish	freehub
	front disc	Girder SC OCR	Pro Skraxle Disc	Rim or Disc	2.0 Black	Brass	32x3X	1070g	Black	-
	rear disc	Girder SC OCR	Pro Disc brake	Rim or Disc	2.0 Black	Brass	32x3X	1330g	Black	Cromo
	20mm O/S front disc	Girder SC OCR	Pro 20mm0/S Disc	Rim or Disc	2.0 Black	Brass	32x3X	1106g	Black	-

Pedals

Peloton Road	body	axle	inner bearing	outer bearing	weight	finish
	Alloy/Magnesium	Cromo	Cartridge	Teflon Bushing	280g (per pair)	Black/Silver
Micro Road	body	axle	inner bearing	outer bearing	weight	finish
	Stainless Steel	Cromo	Bushing	Needle/Ball	208g (per pair)	Nickle
V4 Mountain	body	axle	inner bearing	outer bearing	weight	finish
	Stainless Steel	Cromo	Bushing	Needle/Ball	280g (per pair)	Black/Silver
	Cromo	Cromo	Ball	Ball	340g (per pair)	Black

Accessories

Ritchey offers a line of clothing and accessories. Product availability will vary by country. Accessories may be purchased through your local Ritchey retailer or on our website at ritcheylogic.com. There you find the most up-to-date products, pricing and availability.





International Distributors

 Argentina: Teniorbita	 Greece: Nikos Maniatopoulos	 Russia: Sportclub Velomir Group
 Australia : Dirtworks Australia Pty. Ltd.	 Hungary: Velotrade	 Serbia and Montenegro: Planet Bike
 Austria: KTM	 Hong Kong: Kung Sheung Cycle	 Singapore: Kian Hong Cycle
 Belgium: Team Sporting Goods	 Israel: Matzman Trade	 Slovakia: Slovkolex
 Brazil: BASE International	 Italy: Ritchey International Ltd	 Slovenia: Pulzar
 Canada: Norco Products LTD	 Japan: Tokyo San-Esu Co., Ltd.	 South Africa: Pro Bike
 China: Coretech	 Latvia: ZZK	 Spain: Comercial Pous
 Columbia: UBS	 Lithuania: Saginda	 Sweden: Grahns
 Croatia: Ciklo Center	 Luxembourg: Team Sporting Goods	 Switzerland: Good Price Intercycle
 Czech Republic: Vokolek Import	 Netherlands: People@Sports Innobike Tehava	 Taiwan: Colmax
 Denmark: Bike Toyz TOKIND	 New Zealand: W.H. Worrall & Co.	 UK: Paligap Limited
 Estonia: Hawaii Express Veloplus	 Norway: Sportpartner	 USA: Bicycle Technologies International Downeast Bicycle Specialists The Hawley Company Quality Bicycle Products Raleigh America Ritchey Design Security Bicycle Components Seattle Bike Supply
 Finland: Grahns	 Philippines: Hans-Gee Enterprise	
 France: Epsilon Gyro Lapierre	 Poland: Matuszewski	
 Germany: Cosmic Sports	 Portugal: Tn Tao Natural	



**Ritchey Design
Corporate Office**

620 Spice Island Drive
Sparks, NV 89431
www.ritcheyllogic.com
contact_us@ritcheyllogic.com

**Ritchey Design
Sales & Warranty Office**

575 Old County Road
San Carlos, CA 94070
tel - (650) 368.4018
fax - (650) 261.1317



Ritchey International, Ltd

Via Cantonale 2, Grancia-Lugano
CH-6916
fax. 41.91.960.5221
info@ritcheyl.ch



**Ritchey Design, Inc.
Taiwan Branch**

22-1, #123 Chungang Rd. Sec 3
Taichung 407
Taiwan R.O.C.
fax: 886-4-2358-9297