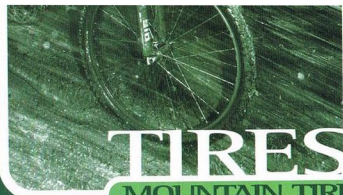




THINKING THROUGH THE MILLENNIUM — 2 0 0 0

TIRE



TIRES MOUNTAIN TIRES

Ritchey has been there since mountain biking's birth, with new ideas and products. It seems only fitting that Ritchey takes this vision into the next century with some exciting new tires and a selection of tried and trusted favorites. Tires, like the Z.E.D. (Z-Max Evolved Design) showcase Ritchey's ability to take a concept and put it to the true test, under riders like Thomas Frischknecht, with winning results. Don't forget the Z-Max Millennium, which continues to be the tire of choice.



World Championship Series tires are made from light weight Carbon Fiber with Reinforced Kevlar blue coated casing for greater strength, fewer cuts and superior pinch flat resistance.



Pro tires are made of a high density rubber compound for long-lasting performance while staying light weight by using a Kevlar bead for a great race and training tire.



Comp tires are constructed from high-density compound rubber for a long lasting performance with a five strand woven steel bead for the strongest tire/sim interface.

Z-MAX MILLENNIUM

Z-Max Millennium rolls into the 21st century celebrating its 10th anniversary with a reputation earned through numerous World Cup victories and World Championships.

- Ritchey's most popular tread design
- Excellent braking and cornering
- One of the five greatest tire designs of all time
- All condition tire
- Front or rear application

26x	1.7	1.9	2.1	2.35
WCS	442g	495g	580g	
PRO	525g	610g	720g	
COMP	605g	680g	730g	



Z.E.D.

Z-Max Evolved Design. This new tire from Ritchey is the product of one of the most popular tires of all time, the Z-Max. Its new center tread is designed to handle the duties of a rear tire like climbing and braking, as well as the control duties of a front tire like cornering. Z-Max side knobs and a semi-square profile provide a very predictable performance for all conditions.

- Semi-square profile
- All condition tire
- Front or rear applications

26x	1.9	2.1
WCS	525g	595g
PRO	545g	625g
COMP	690g	710g

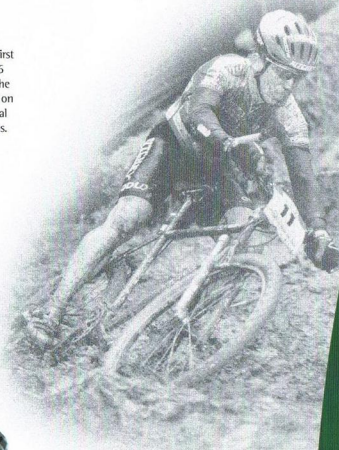


SPEEDMAX

Ritchey pioneered the semi-tread category with the introduction of the SpeedMax back in 1996. It was the first and only tire to win Gold, Silver and Bronze at the '96 Olympic games. Inspired by Thomas Frischknecht and the demands of competition, these tires are built for speed on hard, dry courses. They are also ideal for efficient, general purpose riding on fire roads, groomed trails or bike paths.

- The original low rolling resistance tire
- Low profile Z-Max VFA side-knobs
- Diamond pattern center with VFA baffles

26x 2.0	
WCS	545g
PRO	585g
COMP	640g



Ritchey
Tire Resume
World Championships
1989, 1991, 1992, 1993,
1994
World Cup Titles
1992, 1993, 1995
World Cup race victories
53

SPEEDMAX α

SpeedMax Alpha is a front specific tire offering low rolling resistance in the center without sacrificing traction or cornering performance.

- Front specific, fast rolling cross-country tire
- Square ramped center tread oriented for optimum braking performance
- Graduated VFA side knobs for smooth transition and controlled cornering
- Excellent for wet or dry conditions

26x 1.9 2.1	
WCS	515g 545g
PRO	550g



SPEEDMAX Ω

The SpeedMax Omega is the smooth rolling companion to the α speedy. This rear-specific tire will deliver the speed and low rolling resistance of its medal-winning predecessor with added traction and climbing performance.

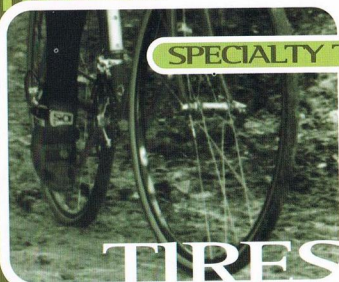
- Rear specific, fast rolling cross-country drive tire
- Center tread of reinforced triangular ramps is oriented for optimum traction performance
- Graduated VFA side knobs for smooth transition and controlled cornering
- Excellent for wet or dry conditions

26x 1.9 2.1	
WCS	515g 555g
PRO	550g
COMP	610g



kinds of terrain and conditions. Specially

TIRES



SPECIALTY TIRES

TIRES

designed Cyclo-cross tires were developed through a collaboration of International Cyclo-Cross star Thomas Frischknecht and Tom Ritchey. Our hybrid tires all focus on low rolling resistance, but they have enough tread for the occasional trail ride.

MAX CROSS

This ultra-low rolling resistance hybrid tire has a low profile tread in the center and aggressive shoulders for traction while cornering

- Fast tire for gravel roads and hardpack trails

700x 40	
COMP	462g



SPEEDMAX CROSS

- Aggressive side knobs for cornering
- Excellent mud clearing capability
- Diamond pattern center with VFA baffles
- Low rolling resistance
- 700cx30 A lightweight Cyclocross racing tire (silver medal '97 Cross Worlds)
- 700cx38 a great tire for trekking and racing

700x 30 32 38	
PRO	310g 310g
COMP	355g 370g 385g



ALPHABITE TRAILMIX

- Perfect on/off road tire for hybrid bikes (700c)
- Connected center tread for low-rolling resistance

700x 35 40	
COMP	440g 470g





MUDMAX

- Self-cleaning center section features traction bars that won't pack up with mud
- Narrow width for frame clearance
- Also great in loose soil and sand
- Front or rear application

26x 1.9	
WCS	525g
PRO	565g
COMP	610g



ALPHABITE

- Tread pattern for all-around traction, cornering and braking
- Fast-rolling interconnected center knobs for hard-packed dirt
- Front or rear application

26x 1.9	
PRO	555g
COMP	660g



TOM SLICK

- Multi-purpose slick tread for your mountain bike
- Perfect commuting or winter training tire
- Durable rubber /lightweight casing
- Traction sipes to hold the road, wet or dry

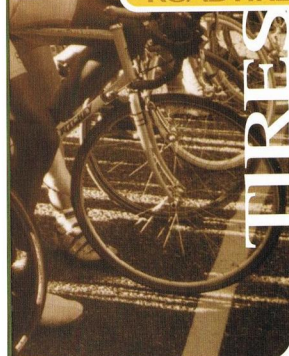
26x 1.0 1.4	
PRO	340g 360g
COMP	375g 450g



Versatility and freedom of choice drive the design criterion for our 26" & 700c Specialty Tires. Your basic road bike is ready for backroads exploration with the Alphabite Trailmix or convert you favorite hardtail to a pavement friendly rig with the AlphaBite or 26" Tom Slick. Our Cyclo-Cross line is the most comprehensive on the market. Our specialty tires match all your cycling ambitions.

Ritchey road tires bring something to road riding that no other company does, tread science. While other companies focus solely on their casing and compound technology, they leave out the most important part of the equation, tread function.

TIRES ROADTIRES



comp

Comp Series road tires feature a durable tread and a wire bead making these tires a great value.

PRO

Pro Series road tires are great for training or racing. A Kevlar bead keeps weight down as does the dual-compound tread which has a high carbon rubber middle strip for longer wear and soft silica shoulders for better traction while cornering.

WCS

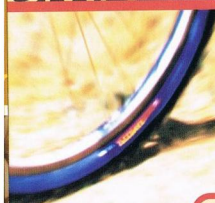
World Championship Series Road tires are designed for racing. The 220 tpi coil casing and Kevlar bead shave off critical rotational weight. The dual-compound tread has a high carbon rubber middle strip for smooth rolling and soft silica shoulders for better traction while cornering.

Ritchey applies the same Vector Force Analysis theories that have produced years of race winning mountain bike designs to the road. Road tires experience all the same forces as a mountain bike tires, but on a smaller scale.

Designed for the real world of imperfect riding conditions, Ritchey has developed a line of road tires that allow you to master all conditions with maximum control. That's where VFA comes in. It's control when you need it. Because the patterns are VFA designed, each tire gives you the maximum amount of grip without sacrificing rolling resistance. Once you experience how fast these tires are, you'll forget how much tread you're riding on.

SpeedMax BMX and Freestyle tires are designed using Vector Force Analysis (VFA). This process puts the best shaped tread in the best locations depending on the tire's use. VFA tread science

BMX



has produced some of the fastest racing tires and most aggressive jumping tires on the market today.

BMX

BMX



20 x 2.1 485g

20 x 1.75 432g
20 x 1.95 485g
24 x 1.95 525g
20 x 1.3/8" 275g

THE ALPHA - This front specific racing tire is the perfect mate to the Omega. Its control specific tread pattern is perfect for steering while accelerating or braking. The low-profile tread makes this a fast rolling tire and a full tread wrap gives it complete traction while cornering.

THE OMEGA - Designed as a rear-specific racing tire, the Omega features "power-paddles" which dig in for maximum acceleration. The low-profile, full wrap tread pattern makes this an extremely fast tire with excellent traction.

BLACK MAMBA

This tire is designed for high flying jumps and tricks. It has a high-pressure casing that can handle up to 80psi.



20 x 2.0 610g

SPEEDMAX



104g

LEECHOIDS GRIP

Suction-like grip power without all the blood loss. Shark-like shapes oppose each other for a superior hold. You'll think leeches are sucking your hands onto these grips.



20 x 1.75
20 x 2.0
24 x 2.0

Z-MAX

Same performance as Z-Max Millennium for the BMX tracks and kid bikes.

When viewed at a cross section, the rear wheel is really a lopsided triangle. Why are we riding lopsided wheels? The story goes: In order to accommodate today's eight and nine-speed cassettes the rear wheel must be dish'd. Rear wheel dish weakens the wheel due to increased load on the drive side's pulling spokes, accelerating fatigue and failure. If the spoke tension was equal, the wheel would be balanced, stronger and stay truer longer. Zero System Wheels address and solve this problem for the first time.

**ZERO
SYSTEM**

While many current wheel 'packages' offer light weight by way of less spokes and thinner rim walls, Ritchey wheels are built with components designed to work together to offer a genuine and functional benefit. Our Off Center Rear Rims built with Z(ero)-Hubs deliver the only Zero dish rear wheel. Zero dish wheels have even spoke tension and are balanced, therefore they stay true longer. Zero wheels as a system are unique, but separately the components are easily repaired, replaced or upgraded without the need for 'back to the factory' delays and expense.



ZERO MOUNTAIN

Your mountain bike wheels take a real beating, especially the rear wheel. The large spoke tension discrepancy combined with the forces your wheels are under make Zero-System mountain wheels a perfect upgrade for anyone looking to spend more time riding and less time truing their wheels.

WEIGHT F/R	HUBS	RIMS F/R	SPOKES	LACING	FINISH
WCS 787/987g	Z-Hub WCS w/Titanium Q/R's	Rock WCS/OCR WCS	Logic 2.0/1.6/2.0 w/Alloy nipples	28 Radial/28 ZX	Blue Anodized
PRO 827/1083g	Z-Hub Pro w/Scratch Front Q/R's	Rock Pro/OCR Pro	Logic 2.0/1.6/2.0 w/Braze nipples	28 Radial/32 ZX	Black Anodized

ZERO ROAD

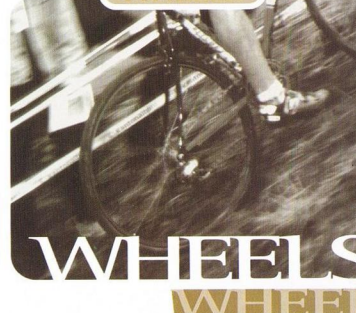
700c road wheels combine a taller wheel (longer spokes) with a narrower rim when compared to a mountain bike. Therefore eliminating dish is more critical. With many of today's road wheels, weight saving is achieved through a compromise of the wheel's structural integrity. Ritchey Zero System road wheels build integrity. Zero System road wheels by design are lightweight, durable and will perform year after year.

WEIGHT F/R	HUBS	RIMS F/R	SPOKES	LACING	FINISH
WCS 776/986g	Z-Hub WCS w/Titanium Q/R's	Rock WCS/OCR WCS	Logic 2.0/1.6/2.0 w/Alloy nipples	28 Radial/28 ZX	Cabali Blue



Balance is everything. Front wheels have it, rear wheels don't. Now that rear wheels have nine or ten gears, the spoke tension is an imbalance nightmare. This imbalance ultimately fatigues rear wheels to the point of failure. Ritchey Zero System solves this problem by bringing balance back into the wheel.

WHEELS

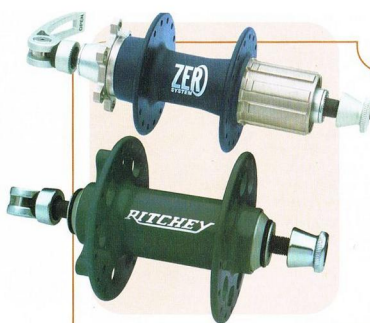


**WHEELS
WHEEL**

HUBS

The last piece in the Zero Dish Wheel puzzle is the hub. The unique flange spacing of Z-Hubs is the key. With nine and ten speed hubs using narrow chains, tenths of millimeters become critical. Tom was able to find the couple extra millimeters that (combined with an OCR rim) balance the rear wheel spoke tension. He solved the problem because he was focusing on performance - not fashion.

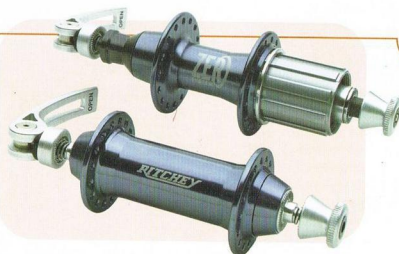
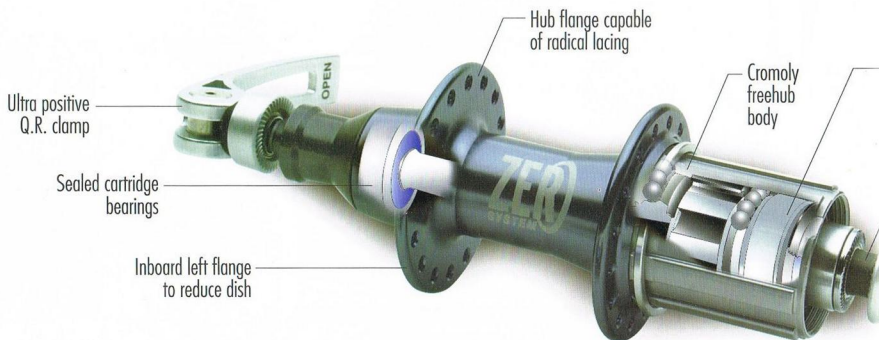
H 12 HUBS



DISC Z-HUB

- Rear hubs are 2x9, 8 speed and narrow 9 speed compatible
- Sealed all CrMo freehub body for durability
- Oversized front hubs have wide spoke flange width for increased lateral wheel strength
- Chamfered spoke holes reduce stress on spoke heads
- Ritchey designed, dual-lip, sealed cartridge bearings on both sides to handle high torque from the disc rotor
- Tall Flanges front and rear for stronger wheels
- Compatible with Shimano® cassettes

PRO front/rear	AXLE MATERIAL	O.D. LENGTH	AXLE DIAMETER	FLANGE MATERIAL	HOLE PCD	FLANGE WIDTH	SPOKE HOLES	WEIGHT with Q.R.	FINISH
	Alloy	100/136mm	14/10mm	6061	58/59mm	54/50mm	32	217/510g	Black Anod/Red



Z-HUB MOUNTAIN

- Rear hubs are 2x9, 8 speed and narrow 9 speed compatible
- Sealed, all CrMo freehub body for durability
- Suspension ready front hubs with skraxle have wide spoke flange width for increased lateral wheel strength
- Chamfered spoke holes reduce stress on spoke heads
- Q/R's designed to deliver maximum stiffness and security with easy lever action
- Ritchey designed dual-lip sealed cartridge bearings front and rear
- Compatible with Shimano® cassettes

WCS front/rear	AXLE MATERIAL	O.D. LENGTH	AXLE DIAMETER	FLANGE MATERIAL	HOLE PCD	FLANGE WIDTH	SPOKE HOLES	WEIGHT with Q/R	FINISH
	Alloy	100/136mm	13/10mm	6061	36/45mm	76/50mm	32	172/375g	Blue Anod
PRO front/rear	Alloy	100/136mm	13/10mm	6061	35/45mm	76/50mm	32	184/445g	Matte Black

Solid cromoly freehub pall

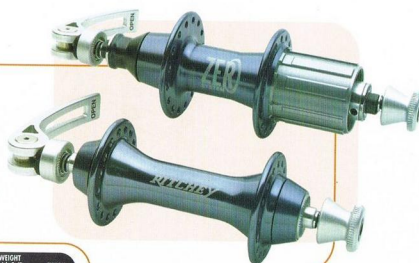
Cromoly axle



Z-HUB ROAD

- Ritchey designed, dual-lip, sealed cartridge bearings front and rear
- Rear hubs are 8 speed and Narrow 9 speed compatible
- Sealed all CrMo free-hub body for durability
- Chamfered spoke holes reduce stress on spoke heads
- Q/R's designed to deliver maximum stiffness and security with easy lever action
- Compatible with Shimano® cassettes

WCS front/rear	AXLE MATERIAL	O.D. LENGTH	AXLE DIAMETER	FLANGE MATERIAL	HOLE PCD	FLANGE WIDTH	SPOKE HOLES	WEIGHT with Q/R	FINISH
	Alloy/CroMo	100/136mm	11/10mm	6061	36/45mm	68/50mm	28/22	157/357g	Blue Anod
PRO front/rear	Alloy/CroMo	100/136mm	9/10mm	6061	36/45mm	68/50mm	32	192/439g	Silver



Combine Z-hubs with Ritchey's OCR rims and the result is a totally dishless wheel that stays true longer. Ritchey Z-Hubs can also be used with non-OCR rims, successfully reducing the wheel dish for better durability.

hundreds of times both to make a strong durable rim and to perfect the tire, tube and spoke interactions

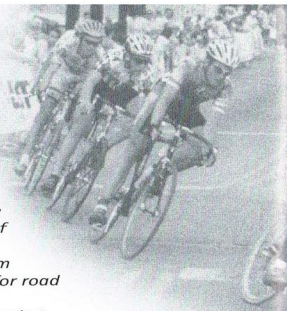
RIMS



so the rim forms the base for the perfect wheelset. The success of OCR (Off Center) rims at balancing rear wheel spoke tension and improving wheel integrity has been widely accepted by discerning riders and wheel-builders.

R 14 RIMS

OCR Rims: These rear-only rims feature off center spoke hole drillings which allow for a 50% reduction in the dish associated with rear wheels using multispeed hubs. Uneven spoke tension (dish) has always been the challenge of rear wheels and up until now, a necessity. By using a specially designed cross section and high quality materials, Ritchey has moved this concept from theory to reality with fantastic results. Reducing dish produces a more durable wheel because spoke tension is balanced. The rims are lightweight and very suitable for the rigors of racing. To complement the system and reduce dish completely, we match these rims with our Zero System Hubs. The result, a highly reliable, superior wheelset for road or mountain, trekking or cyclocross. The Ritchey OCR was the first off center rim on the market. We pioneered off center technology in mountain rims, then adapted the design into road rims which benefit even more from balanced spoke tension. OCR technology allows you to build a rear wheel that is 30% stronger than the competition - using traditional components.



MOUNTAIN RIMS



MOUNTAIN OCR-Off-Center construction for durable rear wheels, these triple box construction rims were the first Off-center rims available in the market. Wheels built up with Mountain OCR are more durable because the offset spoke holes help to balance the spoke tension. A balanced wheel is capable of handling lateral blows better and will stay truer longer. **MOUNTAIN ROCK-**Rock rims are the result of years of rim development that started with the Vantage series in the eighties. These triple-box construction rims are designed to be light, but strong enough to handle the toughest singletrack.

	ETRTO	F/R	HOLES	*E.R.D.	WIDTH	BRAKE HT	SIDEWALL	EYELETS	WEIGHT	FINISH
OCR WCS/ROCK WCS	559-17	R/R	32	542mm	22.5mm	12mm	Machined	Yes	440g	WCS blue
OCR PRO/ROCK PRO	559-17	R/R	32	542/544mm	22.5mm	12mm	Sanded	Yes	440/445g	Black
OCR COMP/ROCK COMP	559-17	R/R	32	542/544mm	22.5mm	12mm	Sanded	No	435/440g	Silver

*E.R.D. - Effective Rim Diameter

ing Federation Championships



DISC-OCR RIMS



Disc-OCR is the only OCR rim that can be used in the front as well as the rear. When flipped, the Off-Center spoke holes reduce dish created when adding a disc brake to the front hub. The disc-specific rim also features an anti-pinch flat lip.

	ETRTO	F/R	HOLES	E.R.D.	WIDTH	BRAKE HT	WEIGHT	FINISH
PRO AERO	622-14	R	32/36	602mm	19mm	6.5mm	440g	Silver

700c TREKKING RIMS



OCR 700c-These trekking rims are built like a 700c version of the mountain OCR. They are perfect for bearing heavy loads on long rides, when wheel reliability is everything.

Rock 700c-The perfect match for the trekking OCR, the Rock 700c is triple-box construction like its mountain rim cousin. It is strong and light and perfect for touring or commuting.

	ETRTO	F/R	HOLES	*E.R.D.	WIDTH	BRAKE HT	SIDEWALL	EYELETS	WEIGHT	FINISH
OCR PRO 700	622-17	R	32	605mm	22.5mm	12mm	Sanded	Yes	500g	Silver
ROCK PRO 700	622-17	F/R	32	605mm	22.5mm	12mm	Sanded	Yes	495g	Silver
OCR COMP 700	622-17	R/R	36	605mm	22.5mm	12mm	Sanded	No	500g	Silver

700c ROAD RIMS



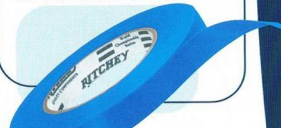
AERO OCR-No other company in the world offers OCR technology for the road, yet nowhere else does it make more sense. OCR technology is best applied to today's road wheels, where spoke tension differentials are even greater than mountain wheels.

AERO ROAD-The Aero Road Rim is an ideal rim for building up reliable strong front wheels. Double wall construction and an aero cross section ensure this rim is both light and aerodynamic, ideal for racing or training. Reinforced spoke holes and machined sidewalls are standard on all Ritchey road rims.

	ETRTO	F/R	HOLES	*E.R.D.	WIDTH	BRAKE HT	SIDEWALL	WEIGHT	FINISH
PRO AERO	622-14	R	32/36	602mm	19mm	6.5mm	Machined	440g	Silver
PRO AERO	622-14	R	28	602mm	19mm	6.5mm	Machined	430g	Cobalt Blue
PRO AERO OCR	622-14	F	32/36	602mm	19mm	6.5mm	Machined	440g	Silver

RIM TAPE

- Polyester fabric is 75% thinner material than traditional rim strips
- Specially formulated adhesive for anodized alloy rims
- Low rotating weight saves 30 grams per wheelset
- Large roll covers 25 wheels, small roll for one wheel
- WCS-Red-210D; Pro-Blue-420D

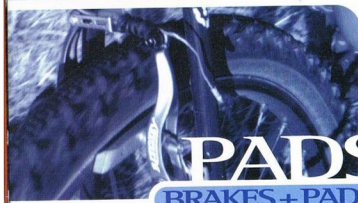


Ritchey Logic Spokes

In addition to reinventing the hub and rim, Tom has designed spokes to enhance any wheel's performance and durability. Cold-forged from the highest quality Swedish 18.8 steel, our shorter butted sections increase shock dissipation, reduce breakage and cut weight. In addition, features like the double angled head transitions, inverted logo and rolled threads improve strength. Ritchey Logic spokes are an integral part of every Zero System Wheel.

The secret to going fast is confidence in your brakes.
The best brake slows the

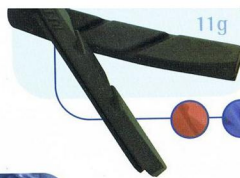
BRAKES



PADS

BRAKES + PADS

bike predictably at any speed. Whether you are going for a controlled "trials" move or scrubbing speed on your favorite single-track, our lightweight, cold forged calipers and extreme conditions brake pads give you that confidence.



11g

SUPERLOGIC

- Cartridge type replacement pad
- Specifically designed as a replacement pad for two piece V/Linear brakes.

Red and Blue options

LINEAR LOGIC BRAKE

- Centered force, cold forged brake arms increase efficiency
- Curved upper arms provide clearance for the largest tires
- I-beam brake arm design has greater torsional rigidity for increased braking power
- Linear coil spring for light braking action
- Micro adjust feature

WIGHT	PAD	FINISH
PRO	184g	SUPERLOGIC
		SpeedBlast



60g

LOGIC LP

- Designed as a replacement one piece pad for all new low profile brake designs (V/linear brakes)
- C1 - Centrifugal Clearing Channels clear debris away from the braking surface via 45 degree directional grooves.
- MudBlade LP - Like a cow-catcher on a train, the MudBlade scoops excess mud off the rim before the pad makes contact.
- Threaded, non-threaded

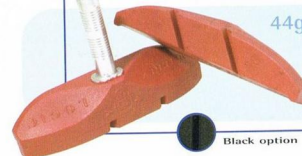
Red and Black options

• **BLACK PADS** - This compound is ideal for all around conditions, but is at its best when the trail is dry. The Compound is designed to provide excellent feel when stopping without wearing prematurely.

• **RED PADS** - This is the original wet conditions pad. Specially formulated compound keeps chatter down without resulting in excess pad wear.

LOGIC

- Top rated cantilever brake replacement pad
- Race proven on World Cup Cyclocross circuit



44g

Black option

• **BLUE PADS** - Muddy, wet and unpredictable is where this pad is at home. Used under the worst conditions by Team Ritchey-Yahool, this compound is Ritchey's most aggressive. It was developed to have better grip in worse conditions without the excess wear associated with "soft" compounds.

PRO MOUNTAIN

- Unique, low-profile butterfly design reduces cleat to axle distance which increases pedaling efficiency and provides a lower center of gravity
- Inboard cartridge bearing and outboard needle bearing.
- Durable CrMo axle
- 5° of free float
- Available in Blue, Red and Grey



310g

Ritchey's 2-Dot cleat can be used for road and mountain pedals



ROAD WCS

- High cornering clearance
- Lowest axle to cleat distance which increases pedaling efficiency and lowers rider's center of gravity
- Dual spring release mechanism
- Smooth needle bearings
- Forged alloy body
- Cleat compatibility with mountain pedals
- 5° of free float

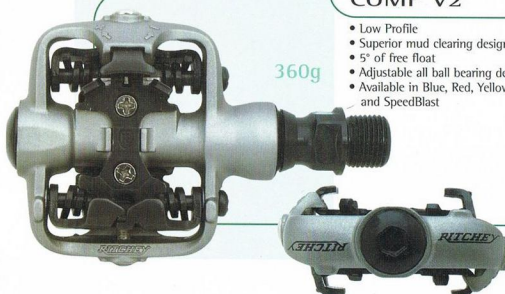


238g

7mm to center

COMP V2

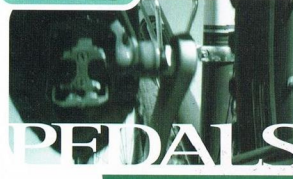
- Low Profile
- Superior mud clearing design
- 5° of free float
- Adjustable all ball bearing design
- Available in Blue, Red, Yellow and SpeedBlast



360g

Ritchey's entire pedal line shares the same cleat design, so you can go from your mountain bike to your road bike without changing shoes. They also feature the DSR (Dual Spring Release) mechanism which provides positive release and a more definite connection to the pedal. The wide toe hook allows easier entry and cleat support, the three point retention system offers smooth, reliable cleat release.

PEDALS



PEDALS

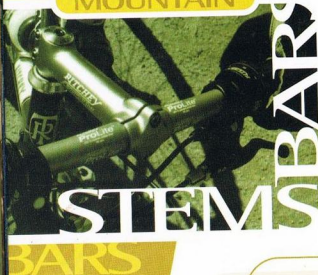
Handlebars are one of the most important contact points on a bicycle. A handlebar needs flex soft enough to absorb high frequency vibrations yet be stiff enough to respond immediately to rider input. To accomplish this goal, Ritchey was the first company to bring a triple butted production road bar to the market.

MOUNTAIN BAR

- Butted construction for strength and light weight
- Excellent for XC racing, training or just ridin' around

	MATERIAL	BUTTING	WIDTH	REACH/DROP	WEIGHT	COLOR
WCS	EA-70 Alloy	Triple/Seamless	560mm	5 degree	123g	
PRO	2014 T-6 Alloy	Double	560mm	5 degree	140g	Speedblast/Black/Silver
COMP	6061 T-6	Double	560mm	5 degree	170g	Speedblast/Black/Silver

MOUNTAIN



RIZER BAR

- Rizer geometry designed for comfort and lightweight cross-country performance
- Butted construction for reduced weight without compromising strength
- Heavy Duty (HD) suitable for downhill

	MATERIAL	BUTTING	WIDTH	BEND/RISE/SWEEP	WEIGHT	COLOR
PRO	2014 T-6	Double	670mm	10, 45mm Rise, 3	290g	Speedblast/Black/Silver
HD	6061 T-6	Single	670mm	10, 45mm Rise, 3	465g	Silver

MOUNTAIN STEM

- Lightweight forged alloy construction
- Removable front cap for easy bar/stem changes
- Recessed stem bolts for the safety of your knees
- No welding or machining at critical stress points
- A 3-axis, net-shape, cold forging process produces stems as one piece, which makes them lighter and stronger than other threadless stems on the market (on Pro version)
- Interchangeable angle on Pro version (flip-flop)

	HEADSET	STEERER	BAR	LENGTHSmm	ANGLE	COLOR	WEIGHT
PRO	Threadless	1", 11/8"	25.4mm	100, 110, 120, 130	6/17	Speedblast/Black	160/173g(120mm)
COMP	Threadless	1", 11/8"	25.4mm	105, 120, 135	6/17	Speedblast/Silver	180/200g(120mm)

15 20 MOUNTAIN

TRUEGRIP LITE

- Kraton™ rubber
- Horizontal fin pattern wicks heat and moisture and sheds critical ounces without sacrificing durability

60g

TRUEGRIP

- Durable, comfortable Kraton™ rubber
- Classic hexagonal design reduces hand strain and fatigue

100g

TRUEGRIP II

- Kraton™ rubber
- Ergonomically designed for both right and left hands
- TrueGrip III in Gel for use w/out gloves

80g

TGV

- Dual compound for comfort and durability
- Hexagonal shape with opposing shark tooth design for reliable grip in wet, muddy conditions
- Available for twist (95mm) and standard (125mm) shifters

44g/
88g

TRUE GRIP WCS

- Durable, high quality Neoprene foam material stays soft and absorbs shock and moisture
- Slim hexagonal profile is comfortable for both large and small hands
- Classic racing grip

50g

FATBONE STEM

- Large frame tubes demand a large stem diameter
- Two larger diameter stem bolts provide superior hold while saving weight
- Removable front cap for easy bar/stem changes
- Interchangeable angle (flip-flop)
- Lightest stem in its class

	HEADSET	STEERER	BAR	LENGTHSmm	ANGLE	COLOR	WEIGHT
MOUNTAIN	Threadless	11/8"	25.4mm	90, 100, 110, 120, 130, 140	6	Black	280g(100mm)

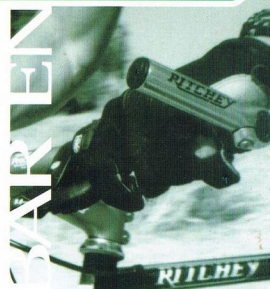
BAR ENDS

The diagonal-slot clamp design distributes forces across the grain of the handlebar at an angle which reduces the chance of crimping the bar.

	MATERIAL	WEIGHT	CONSTRUCTION	LENGTH	COLOR
WCS	6061	90g	1 piece forged and cold forged	Short/Medium	Speedblast/Black/Silver

Our grips are designed with the same attention to detail as the other products. We make them to keep you in contact

BAR ENDS+GRIPS



GRIPS

with your bike in all weather and trail conditions without tiring or stressing your hands.

Logic headsets are characterized by their differential bearing size. The larger, lower bearing is used for its increased surface area, which distributes headset load more effectively. A smaller bearing is used on top, keeping stack height and overall weight to a minimum.

LOGIC WCS

Our best precision headset uses angular-contact sealed cartridge bearings for optimum load distribution. The headset-specific bearings sit firmly into 7075 alloy cups which are CNC'd to exacting standards. This headset will give you years of maintenance-free performance and is backed by a lifetime guaranty.



WEIGHT	STACK HEIGHT	UPPER CONE	UPPER CUP	LOWER CUP	CROWN RACE	UPPER BEARING	LOWER BEARING
WCS 1", 1 1/8"	100/123g	27/28mm	Alloy	Alloy	Alloy	Cartridge	Cartridge

SCUZZY LOGIC

Cartridge bearings are at the heart of each Scuzzy Logic headset. No more fiddling with installation. Scuzzy Logic just pops right out with no hassle and lets you spend more time riding your bike and less time working on it.



SCUZZY LOGIC PRO

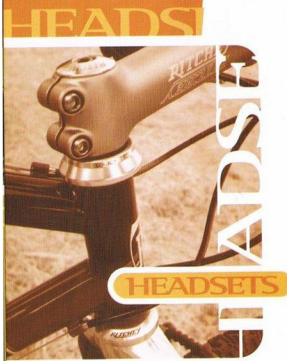


SCUZZY LOGIC COMP

WEIGHT	STACK HEIGHT	UPPER CONE	UPPER CUP	LOWER CUP	CROWN RACE	UPPER BEARING	LOWER BEARING
PRO 1", 1 1/8"	103/110g	27/28mm	Alloy	Alloy	Alloy	Cartridge	Cartridge
COMP 1", 1 1/8"	135/142g	28mm	Plastic/Steel	Steel	Steel	Cartridge	Cartridge

STARNUT

- Alloy cap available in Silver
- Available in 1" and 1-1/8"



HEADSETS

FUZZY LOGIC

Fuzzy Logic has a high surface contact needle bearing in the bottom to handle the load, and ball bearings on top. It provides smooth needle bearing performance without the expense of an all needle bearing headset.



FUZZY LOGIC PRO



FUZZY LOGIC COMP

WEIGHT	STACK HEIGHT	UPPER CONE	UPPER CUP	LOWER CUP	CROWN RACE	UPPER BEARING	LOWER BEARING
PRO 1", 1 1/8"	103/110g	27/28mm	Alloy/Steel	Steel	Alloy	Steel	5/32" Ball
COMP 1", 1 1/8"	112/200g	26/26.5mm	Plastic/Steel	Steel	Alloy	Steel	5/32" Ball

LOGIC

Logic headsets are designed to be affordable and have long-lasting performance.



LOGIC PRO



LOGIC COMP

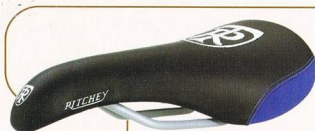
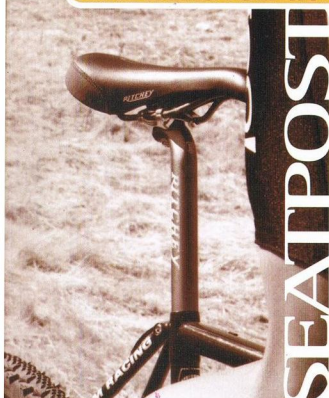
WEIGHT	STACK HEIGHT	UPPER CONE	UPPER CUP	LOWER CUP	CROWN RACE	UPPER BEARING	LOWER BEARING
PRO 1", 1 1/8"	112/115g	27/28mm	Alloy/Steel	Steel	Alloy	Steel	5/32" Ball
LOGIC 1", 1 1/8"	110/108g	26/26mm	Plastic/Steel	Steel	Steel	Steel	5/32" Ball
LOGIC THINWALL 1", 1 1/8"	135/143g	35/35mm	Plastic/Steel	Steel	Steel	Steel	5/32" Ball

Traditional Logic headsets have ball bearings top and bottom for the ultimate in longevity and economy. Fuzzy Logic headsets use high surface contact needle bearings on the bottom for maximum impact resistance. The new Scuzzy Logic (or Special Cartridge bearings) headsets use dual lip sealed, full compliment, angular contact cartridge bearings for long life and easy service.



saddles feature a gel insert to provide anatomical comfort. The gel insert works in conjunction with the thermoplastic shell to virtually eliminate painful break-in. The plus rail feature on all saddles gives the rider 10mm of extra fore and aft adjustment.

SADDLES+SEATPOSTS



WING WCS

- Strong vanadium rails for race durability
- Leather/Blue Kevlar
- Embroidered TR logo

240g

WING PRO

- Light Manganese rails
- Leather cover
- Classic look

260g

WING COMP

- Steel rails
- Vinyl "Renna" cover
- Red Kevlar corners

300g

SEATPOST

- The Force Directional Butting puts extra material at the front and rear walls of the post for added strength and light weight
- 3D forged for strength and light weight
- Proven offset clamp design that provides wide saddle rail support and ergonomic saddle adjustment
- Sunken CrMo Allen fixing bolt for security.

	DIAMETER	WEIGHT	LENGTH	COLOR
PRO MTN	26.8, 27, 27.2	264g (27.0)	350mm	Black
COMP MTN	all sizes from 25.0 to 31.8	269g (27.0) 270g	350mm 400mm	Black/Silver/Speedster
PRO ROAD	27.2	234g (27.0)	250mm	Black
COMP ROAD	27.0, 27.2	250g (27.0)	250mm	Black/Silver/Speedster



SS 24 SADDLES+SEATPOSTS



2x9 RACING SYSTEM

- Excellent performance in severe conditions
- Full chain crossover means less shifting
- Designed for use on all compact cranks
- Contributes to a low Q-factor
- Kit includes two chainrings, 33 tooth self spacing cog, special deep locking, a set of grips and the Ritchey 2x9 race system shifters
- 28-tooth inner ring now available

COMPACT CRANKSET SOLD SEPARATELY	FRONT OUTER CHAINRINGS	MATERIAL/ COLOR	FRONT INNER CHAINRINGS	MATERIAL/ COLOR	REAR COG/ MATERIAL
PRO RACE KIT	175mm	42T, 44T	Alloy 70/75/1-6	29T, 30T	Steel



V-PRO CRANK

- Finite Element Analysis (F.E.A.), a computer aided design process which determines the minimal material requirement and location for a given strength, was used to develop the newest Logic V-Crank. A deep section of material was removed from the front side of each crank arm, reducing the weight without sacrificing the arm strength.
- FEA-CAD design for reduced weight and increased strength
- 104/64 PCD Compact Crankset Low Q-factor increases pedaling efficiency
- CNC'd outer and middle chainrings with pins and ramps for dependable shifting
- Steel inner chainring for maximum durability

	LENGTH	CHAINRINGS	WEIGHT	Q FACTOR	COLOR
V PRO CRANK	175mm	22/32/44 SSII	633g	155mm	Black

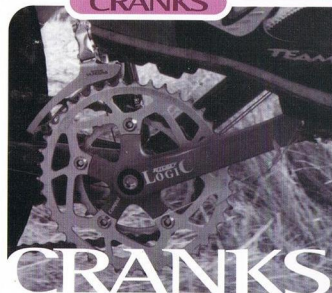
LOGIC COMPACT MOUNTAIN

- Team Ritchey tested, Race proven. Used by the winners of Three World Championships and three World Cup Titles and 20 World Cup Victories.
- 94/58mm bolt pattern fits a wide range of compact chainrings
- Low Q-factor increases pedaling efficiency



625g

CRANKS

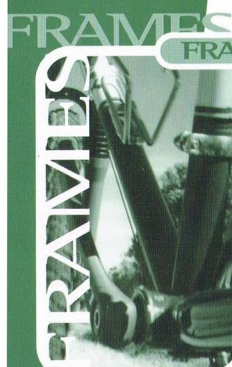


CRANKS

that Ritchey has been doing it all along. And while the rest of the world was busy worrying about the color of their cranks, we were quietly winning World Championships on ours.

As the rest of the mountain bike world starts to realize that cold forging is the way to make cranks, they may stop to notice

has been perfecting the use of steel as the ideal bicycle building material due to its exceptional resilience and strength. Tom's 25 years of experience as a frame builder helped him develop specifications, butting, and tubeset combinations that have allowed Ritchey and other builders worldwide to create some of the finest steel bikes on the market today.



FRAMES

F 28 — FRAMES

PLEXUS

The official bike of Team Ritchey Yahoo!. The Plexus was the first mountain bike to offer rear suspension by using swept seatstays. Already ridden to several international victories, this cross-country bike is hardtail light with a bit of suspension. This top of the line Ritchey is beautifully TIG welded using Ritchey's Logic WCS tubing.

Frame: 3.65lbs 19"



FRAME SIZE	16	17	18	19	20	21
Effective TOP TUBE mm	20.5	21.25	21.5	22.25	22.25	23
SEAT TUBE mm (center to top)	16	17	18	19	20	21
HEAD TUBE mm	3.5	3.5	3.5	3.5	3.9	4.9
SEAT TUBE angle	71.5	71.5	71.5	71.5	71.5	71.5
HEAD TUBE angle	74	74	74	74	74	74
BOTTOM BRACKET DROP	1.5	1.5	1.5	1.5	1.5	1.5
CHAINSTAY mm	16.8	16.8	16.8	16.8	16.8	16.8
WHEELBASE	40.5	40.5	40.5	41	41.5	41.9
SEAT POST DIAMETER mm	27.0	27.0	27.0	27.0	27.0	27.0
STAND OVER HEIGHT	28	28.5	29	29.5	30.5	31.5



FRAME SIZE	50	52	54	56	58
TOP TUBE mm	50	52.5	54	55	56.5
SEAT TUBE mm (center to top)	50	52	54	56	58
HEAD TUBE mm	9	9	10.8	12.8	14.8
SEAT TUBE angle	74	74	73.5	73.5	73.5
HEAD TUBE angle	71.5	71.5	72	72	72
BOTTOM BRACKET DROP	45	45	45	45	45
CHAINSTAY mm	42.5	42.5	42.5	42.5	42.5
WHEELBASE	99.5	100	101	102	103
FORK RAKE	44	44	44	44	44
SEAT POST DIAMETER	27.0	27.0	27.0	27.0	27.0
STAND OVER HEIGHT in	29	29.7	30.5	31.3	32

SWISS CROSS

The Swiss Cross shares the swept seatstays of the Plexus. Designed to provide a bit of suspension in the rear, this cross bike was co-designed by Swiss Cyclo-Cross champion, Thomas Frischknecht and Tom Ritchey. Made with Ritchey Logic WCS tubing, this steel cross bike is as light as its aluminum competitors.

Frame+Fork: 5.1lbs 56cm

ROAD LOGIC

The 2000 Road Logic is built true to the European racing tradition. Made with WCS tubing, this is the bike on which Team Ritchey Yahoo! puts its training miles.

Frame+Fork: 4.6lbs 56cm



FRAME SIZE	48	50	52	54	56	58	60	62
TOP TUBE mm	52	53	54	55	56	57.5	59	60
SEAT TUBE mm (center to top)	48	50	52	54	56	58	60	62
HEAD TUBE mm	9.5	9.5	9.5	11.5	13.5	15.5	17.5	19.5
SEAT TUBE angle	72	72.5	73.5	73.5	73.5	73.5	73.5	74
HEAD TUBE angle	75	74.5	73.5	73.5	73.5	73.5	73.5	73.5
BOTTOM BRACKET DROP	75	75	70	70	70	70	70	70
CHAINSTAY mm	41	41	41.5	41.5	41.5	41.5	41.5	41.5
WHEELBASE	96.5	97	98	98.5	99.5	101	102	103
FORK RAKE	44	44	44	44	44	44	44	44
SEAT POST DIAMETER	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
STAND OVER HEIGHT in	29.1	29.6	30.3	31.1	31.8	32.6	33.3	34.1

TUBING+FRAME PARTS

WCS18MCDV6 HT Tubing - Here's the lightest, most refined and most respected steel tubing in the world. This is the tubeset behind every Team Ritchey victory. Forged in France and drawn & butted in Italy, the tubing is incredibly light, and has one of the highest tensile strengths of any steel bicycle tubing currently available.

Pro NITTi Tubing - This is a unique steel that contains titanium in addition to niobium, which adds strength and durability while keeping these steel tubes among the lightest on the market. While less expensive than WCS, it maintains 98% of its tensile strength after brazing/welding.

Frame Parts - With over 26 years of custom and race frame building expertise, who better to design forks, fork crowns, seat collars, dropouts and bottom bracket shells, than Tom Ritchey.

BRANDS THAT FEATURE RITCHEY COMPONENTS

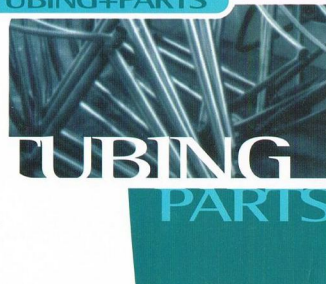
Bianchi	Rocky Mountain	GERMANY:	Steppenwolf	DeRosa	NORWAY:	Wheeler
Brodie	Schwinn	Bergamont	Stevens	Fausto Coppi	Hard Rock	UK:
Burley	Specialized	Checker Pig	Univega	Kastle	CZECH REPUBLIC:	Muddy Fox
Camondale	Thin Blue Line	Cube	Winora	Lee Cogan	Amulet	Orange
Divinci Cycles	VooDoo	Cycle Culture	FRANCE:	Olmo	Author	Saracen
Eclipse	Ziegler Lam Cycling	Focus	Decathlon	Olympia	Switzerland:	
Fuji	AUSTRIA:	German Answer	Sunn Bicycles	Rossin	Canyon	
GT	Hi Tee	Ghost	HOLLAND:	Scapin	Exotice	
Haro	Katanga	Hawk	American Eagle	Vener	Ferrari	
Jamis	KTM	Heavy Tools	B1	Wilier	Koba	
Kona	Simplon	Hercules	ITALY:	SPAIN:	Nakamura	
Novara by REI	Tech	Max Cycle	Atala	MMR	Scott	
Pacific Cycles	BELGIUM:	Musing	Battaglin	Orbea	Tour de Suisse	
ParkPre	Rider	Re-Aet	Bianchi	Zeus	Villiger	
ProCycle	Thompson	Riese Mueller	Bottechia	Cinelli	TAIWAN:	
					Merida	

Ritchey designs and sells its own line of tubing and frame parts. The special transitions and unique butting ensure a very strong yet very lightweight tubeset. Since the late eighties Tom Ritchey has been a pioneer in steel tubing. He has pushed the limitations of the material allowing him to build some of the strongest, lightest steel tubesets in the world.

BUILDERS WHO RELY ON US

Amp Research	Erickson Cycles	Nobilette Cycles	Vicious Cycles	Massi (ESP)
Alherton Bicycles	Prairie Designs	Quintana Roo	Wolfe Bicycles	MNR (ESP)
Bicycles By Haluzek	G.S.R.	Rams Company	Zinn Cycles	Olmo (ITA)
Brent Steelman Cycles	Guy Cycles	Recumbent Technologies		Olympia (ITA)
Bruni Bicycles	Habanero Cycles	Rivendell Bicycles		Roberts Cycle (GBR)
Burley Design Cooperative	Ibis Cycles	Rock Lobster Cycles		Sonic Cycle (GBR)
Cervelo Cycles	Independent Fabrications	Saka Cycles		Viner (ITA)
Chris Kelly Cycles	Inverlight	Santana Cycles		
Co-Motion	Legge Mfg.	Seven Cycles		
Cutter Framesets	Mark Lee Frames	Spot Brand, Inc.		
Cyclops	McSpadden Frames	Sycip Designs		
Da Vinci Tandems	Merlin Metalworks	Ti Cycles		
Dean U.S.A.	Moots Cycles	True North Cycles		
Ed Litton	Mrazek Cycles			

TUBING+PARTS



TUBING PARTS

AUSTRALIA
 AUSTRIA
 BELGIUM
 BRAZIL
 CANADA

 CHILE
 COSTA RICA
 CROATIA
 CZECH REPUBLIC
 DENMARK
 ECUADOR
 FRANCE

 GERMANY

 GREECE
 HOLLAND

 HUNGARY
 JAPAN
 ITALY
 LUXEMBURG
 NEW ZEALAND
 NORWAY
 PERU
 PHILIPPINES
 POLAND
 PORTUGAL
 PUERTO RICO
 RUSSIA
 S. AFRICA
 S. KOREA
 SLOVANIA
 SPAIN

 SWEDEN

 SWITZERLAND
 THAILAND
 U.K.
 USA

Dirt Times
 KTM
 Team Sporting Goods
 Plimax
 Cycles Lambert
 Jcycles
 Cycle Logic
 Aerotech
 Kendall M & M
 CikoCentar
 Vokolek Import
 Bike Toyz
 Paramo Ciclismo de Montana
 O.A.
 Epsilon
 Cosmic Sports
 React
 Stevens
 Kintsi Bicycles
 Team Sporting Goods
 Vandervelde Parts
 CSEKE Plc.
 TOKYO SAN-ESU CO. LTD
 Ritchey International
 Team Sporting Goods
 W.H. Worral & Co.
 Hard Rock
 Best Bicycles
 DeDA Sports
 MATUSZEWSKI
 Tri Tao Natural
 The Bike Shop
 Moscow Sportclub Triathlon
 Morning Side Cycle
 Dong Jin Bicycles
 Putzar D.O.O.
 Comercial Pous
 Maygo
 Derby Sweden
 Grabin
 Intercycle
 Probake
 Fisher Outdoor Leisure Plc.
 Bicycle Technologies International
 Downcast Bicycles Specialists
 Merry Sales Company
 Quality Bicycle Products
 Sawtooth Mountain Bicycle Supply
 The Hawley Company Inc.
 United Bicycle Parts Inc.



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