

BE YOUR BIKE



Van Nicholas®



VAN NICHOLAS

BE YOUR BIKE

Our desire at Van Nicholas Bicycles is to enhance your “next level” cycling experience through our principle of seamless performance. Seamless performance means everything to us and we believe this is driven directly by the desires and values of the more discerning of cyclists.

Seamless performance is centered on a quest for continuously improving our models by connecting everyone involved. We see the connection between riders, innovative technical and aesthetic design, high quality engineering & manufacturing, intelligent component solutions and a trust-worthy aftercare package as essential in producing desirable performance.



Van Nicholas is a privately owned, nimble, creative and passionate business run by committed professionals and we are as equally enthusiastic about our cycling as we are about seamless performance. Our business has been built on understanding what you really desire and value in a bicycle and providing that with a level of service and value that sets the standard for others to follow.

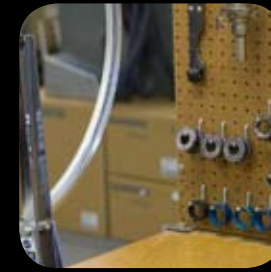
Our range of performance titanium frames are made from seamless tubing and offered in a comprehensive range of sizes as well as a full custom option. With sophisticated, fork, component and wheel set choices, a truly individual fabulously detailed cycle is created for you. This methodology ensures optimum fit, comfort and importantly function and performance of your bicycle.

Owing a Van Nicholas provides you with more than just a superb bike; our “flair for care” ensures you’ll enjoy the whole experience.

I assure you, the next level of bikes starts here.

Jan-Willem Sintnicolaas
Director & Founder

FABULOUSLY DETAILED



Van Nicholas uses two different titanium alloys in its titanium frames. The manufacturer of the titanium tubing used in Van Nicholas frames adheres to the strict ISO9002: 1994 standards for quality, trusted by the nations top aerospace and defense contractors.

— The Ti 3-2.5 tubing is the same high strength material used in the most advanced aerospace applications. It is drawn seamless tubing, which can be welded to join the tubes of the bike frame together. The tubes are cold

— The Ti 6-4 tubing used in the “Aeolus” frame is a seamless tube-set drawn from the high strength aerospace alloy. Most other manufacturers use a welded tube set which is created by taking rolled sheet, forming it into a tube shape, and then welding it together.

This creates a substantially weaker tube-set than drawn tubing, as the entire tube must be welded together. During the welding process the metal undergoes structural changes due to the applied heat, and produces a heat affected zone (HAZ) around the weld area. This fabrication process and resulting HAZ can lead to failure of the frame, and decreased torsional rigidity of the tube-set.

At Van Nicholas we take the design, fabrication, and material selection process very seriously, creating the best product possible for the intended application; making bikes go fast. These are just a few of the reasons why Van Nicholas frames are leading the industry in innovation and craftsmanship.

MATERIALS & TECHNOLOGY

worked to provide additional strength to the material and through this process is tailored to provide the correct shape tubing for the frame design. This provides an extremely lightweight and strong racing machine, where the geometry of the frame is tailored by working the tube sets to create the perfect ride.

1 Titanium will always have advantages irrespective of changes in fashion.

2 Titanium ride quality from the combination of high strength and material formability, avoids an overly stiff frame.

3 Titanium is long lasting due to crash damage tolerance, anti-corrosion performance

5 Titanium will remain a premium material based on production processes required for manufacture and welding.

6 Every frame we make is custom drawn, each tube set is designed to maximize strength and performance by using differing thickness of tubing in addition to utilizing ovalization, and biaxial ovalized tubing

TITANIUM ADVANTAGES

and material fatigue properties. Fatigue life and corrosion resistance is the best of any frame material in the world.

4 Titanium has an excellent combination of strength-to-weight and stiffness-to-weight. Using thin wall 0.8/0.9 mm titanium allows good fatigue life, but can avoid a harsh ride due to the inbuilt flexing that soaks up road vibration.

7 Metals have better crash damage tolerance and can often be repaired. A few knocks in transit or racing do not normally create hidden damage issues.



There are several steps in manufacturing butted tubing, and the process varies depending on the method used to butt the tube, and whether the tube is seamless, or welded. The basic tube is either made from a pierced billet of steel or titanium if it is seamless, or from formed-and-welded sheet if it is a welded tube.

In a mandrel press, the tube is pushed through a die sinking it down on to the mandrel. The die determines the outside diameter and profile of the tube, while the mandrel sets the inside diameters and defines the wall thickness profile along the length of the tube. After this process, the mandrel is trapped inside the tube in a conventional double-butt geometry, where the end wall thickness is greater than in the middle section. The mandrel is removed after reeling it between angled rotating rollers, which increases the diameter while having a negligible effect on the wall thickness. Finally, the outside diameter is sized by pushing the tube once again through a die. After heat-treatment if necessary, the tube is ready or use.

6Al-4V SEAMLESS ELI GRADE TITANIUM

Ultimate Tensile Strength: 900-1150 MPa, density 4.42 gm/cc.

By using custom made raw material, and with innovative production processes, Reynolds is the only company in the world to offer seamless, mandrel-butt 6-4 titanium. Use of ELI (Extra Low Interstitial gas purity) grade material allows us to butt and shape seamless tubes to the tight tolerances needed for light, durable frames due to the high strength-to-weight inherent in 6-4, with the added benefit of unmatched fatigue resistance.

www.reynoldstechnology.biz

HOW BUTTED TUBING IS MADE

The effect of this cold work and wall thinning can improve the strength by over 50%. A 19th century idea from Reynolds with 21st century applications.

Reynolds work with key partners around the world to develop materials with technical advantages, as each material may have different benefits to offer on strength, stiffness, fatigue life, vibration damping or damage tolerance.



RACE





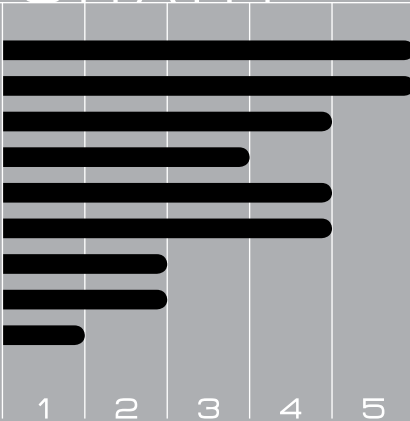
AEOLUS



For the rider who wants the best. Period. The Van Nicholas Aeolus combines the ultimate in Ti material and fine detailed design to create a top class performer. Equally at home at the highest level as the race leader's mount or as a truly sophisticated machine for longer days & blasting. Absolute performance is the hallmark of the Aeolus. This bike demands the fastest of riders. Are you up to it?

USAGE CHART

Race-Road, Stage, Classic
Race-Criterium, Circuit
Time Trial
Triathlon
Sport Enthusiast
Sport Long Distance
Sport Audax
Sport Touring
Loaded Touring



Model		Aeolus
Design mission		Superlight Climber
Geometry		Compact
Material	Reynolds 6AL/4V Double Butted Titanium	
Frame Warranty		Lifetime
Sizes	52, 54, 56, 58 cm and Custom	
Frame Finish	High Lust Hand Polished	





ZEPHYR

The Zephyr is a high spec performance road bike for the rider demanding a forgiving performance solution. Developed from extensive rider input, the Zephyr is unparalleled in performance for longer fast paced riding events either solo or within a bunch. A truly spirited and rewarding bike for all riders that want great performance without a “professional” price tag.

USAGE CHART



Model		Zephyr
Design mission		Stage racer
Geometry		Classic
Material	Custom Drawn 3AL/2.5V Titanium	
Frame Warranty		Lifetime
Sizes	50, 52, 54, 56, 58, 60, 62 cm and Custom	
Frame Finish		Bright Hand Brushed





CHINOOK

The Chinook is similar in performance to the Zephyr but with a more “classic” design and “round” tube profiles for a more understated look. The ideal bike for the rider demanding “snappy” acceleration combined with forgiveness and performance for varied rides. Criterium style performance and acceleration with superb value to boot make the Chinook a popular choice.

USAGE CHART



Model		Chinook
Design mission		Classic-Circuit Racer
Geometry		Classic
Material	Custom Drawn 3AL/2.5V Titanium	
Frame Warranty		Lifetime
Sizes	52, 54, 56, 58, 60 cm and Custom	
Frame Finish		Bright Hand Brushed

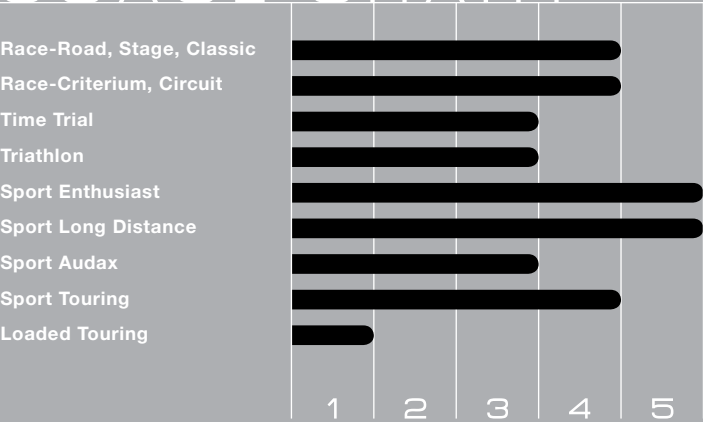




Euros

The Euros is an all day road bike for the rider with a modern twist. With slightly smaller diameter chain stay dimensions than the Chinook, coupled with hour glass seat stays, provide a luxurious ride for distance in the saddle. The Euros excels in providing a truly “all-round” performance package. Ideal for riders that want to experience a long ride in the great outdoors and still feel fresh after a challenging day out.

USAGE CHART



		Model	Euros
Design mission		Sport-Enthusiast Racer	
Geometry		Semi Compact	
Material	Custom Drawn 3AL/2.5V Titanium		
Frame Warranty		Lifetime	
Sizes	52, 54, 56, 58, 60 cm and Custom		
Frame Finish		Bright Hand Brushed	



U6 CUSTOM DOUBLE BUTTED ALLOY



VARDAR

The Vardar has the distinction of being the first truly affordable alloy/carbon frame on the market. Utilizing a new ultra light U6 double butted aluminum combined with high modulus Carbon Fiber seat and chain stays in a compact geometry. The Van Nicholas Vardar is ready to set new records of its own.



USAGE CHART



Model		Vardar
Design mission		Stage-Circuit Racer
Geometry		Compact
Material	U6 Double Butted Alloy / High Modulus Carbon	
Frame Warranty		3 Year
Sizes		52, 54, 56, 58 cm
Frame Finish	Grey Metallic Paint / 3K Carbon Weave	



MULTISPORT



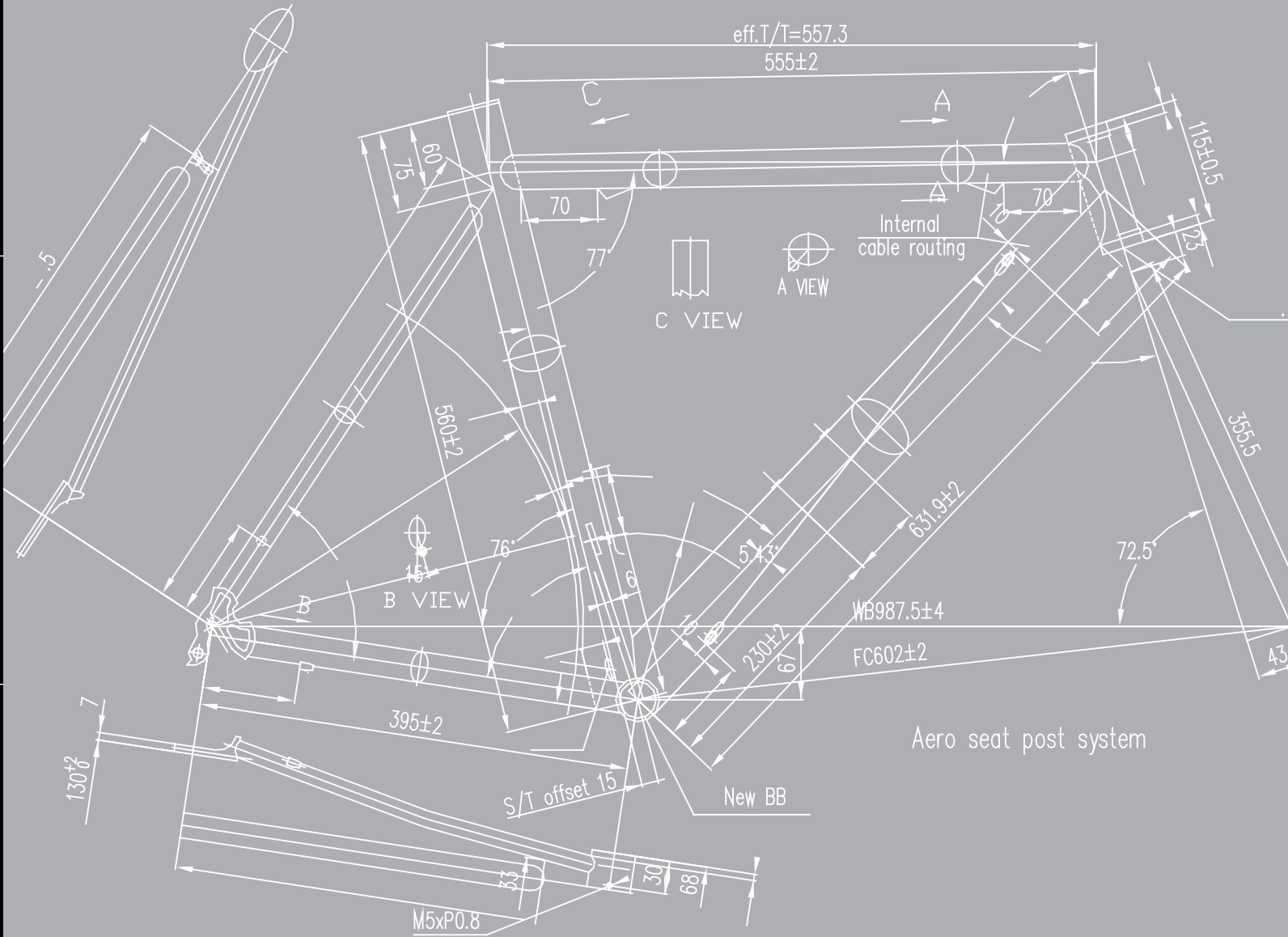


BLAZE

The Blaze offers a sublime blend of performance, comfort and durability to give triathletes the edge. Tri-specific geometry is designed to optimise power and size specific customised tubing profiles are specified to reduce drag. The Ti Blaze will survive the rigours of many transition areas and it's comfort will set you up well for the run. Available in a wide variety of sizes for precise fit, this is a thoroughbred Titanium Tri bike with style.

USAGE CHART

Race-Road, Stage, Classic	<div></div>					<table><tr><td colspan="2">Model</td><td>Blaze</td></tr><tr><td colspan="2">Design mission</td><td>TT / Triathlon Racer</td></tr><tr><td colspan="2">Geometry</td><td>Tri Specific</td></tr><tr><td>Material</td><td colspan="2">Custom Drawn 3AL / 2.5V Titanium</td></tr><tr><td colspan="2">Frame Warranty</td><td>Lifetime</td></tr><tr><td>Sizes</td><td colspan="2">52, 54, 56, 58 cm and Custom</td></tr><tr><td colspan="2">Frame Finish</td><td>High Lust Hand Polished</td></tr></table>	Model		Blaze	Design mission		TT / Triathlon Racer	Geometry		Tri Specific	Material	Custom Drawn 3AL / 2.5V Titanium		Frame Warranty		Lifetime	Sizes	52, 54, 56, 58 cm and Custom		Frame Finish		High Lust Hand Polished
Model		Blaze																									
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Sport Long Distance	<div></div>																										
Sport Audax	<div></div>																										
Sport Touring	<div></div>																										
Loaded Touring	<div></div>																										
	1	2	3	4	5																						



TOURING / CROSS





AMAZON

The Amazon is the “doing anything” bike for the rider with a taste for adventure. If you could only have one bike - then this is it. Touring, Cyclo Cross, Audax or stripped down for a swift road ride with narrow section tires, the Amazon with it’s array of braze-on’s provides a multitude of solutions.

USAGE CHART

Race-Road, Stage, Classic	1	2	3	4	5	Model	Amazon
Race-Criterium, Circuit	1	2	3	4	5	Design mission	Touring / Cycle Cross
Time Trial	1	2	3	4	5	Geometry	Semi Compact
Triathlon	1	2	3	4	5	Material	Custom Drawn 3AL/2.5V Titanium
Sport Enthusiast	1	2	3	4	5	Frame Warranty	Lifetime
Sport Long Distance	1	2	3	4	5	Sizes	50, 54, 56, 58, 60 cm and Custom
Sport Audax	1	2	3	4	5	Frame Finish	Bright Hand Brushed
Sport Touring	1	2	3	4	5	Available Brake Mount	V-brake, Cantilever Brake and Disc Brake
Loaded Touring	1	2	3	4	5	Special Features	Bosses for Mudguard and Rear Pannier
Cycle Cross	1	2	3	4	5		





YUKON

The Yukon is the fast paced Audax and long distance machine. Very comfortable for challenging long distance rides, but with rewarding handling and performance for sprinting and faster cornering. With mudguards and a rack for small panniers, the Yukon is at home in all conditions - a truly all year/ all conditions road bike that demands to be ridden every day.

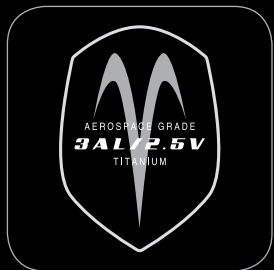
USAGE CHART

Race-Road, Stage, Classic	1	2	3	4	5	Model	Yukon
Race-Criterium, Circuit	1	2	3	4	5	Design mission	Touring / Audax
Time Trial	1	2	3	4	5	Geometry	Classic
Triathlon	1	2	3	4	5	Material	Custom Drawn 3AL/2.5V Titanium
Sport Enthusiast	1	2	3	4	5	Frame Warranty	Lifetime
Sport Long Distance	1	2	3	4	5	Sizes	50, 54, 56, 58, 60 cm and Custom
Sport Audax	1	2	3	4	5	Frame Finish	Bright Hand Brushed
Sport Touring	1	2	3	4	5	Available Brake Mount	57 mm Drop Brakes
Loaded Touring	1	2	3	4	5	Special Features	Bosses for Mudguard and Rear Pannier



MTB



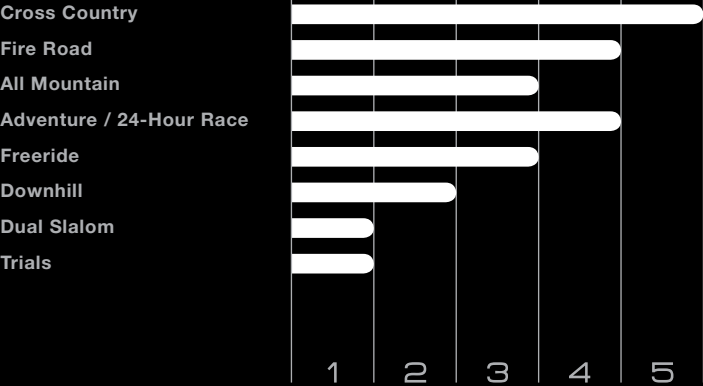


TUAREG

TUAREG — The Tuareg is a high spec performance hardtail for the fast paced cross-country rider that wants the best. Singletrack riding is its domain. This bike is built to hammer trails at speed. Incorporating innovative design and attention to detail, the Tuareg is perfect for riders seeking out something classy that excels on the trail. Disc brake and V-brake design with geometry set for up to 100 mm travel forks makes for a classic machine.

TUAREG 29" — The 29" wheeled version on the Tuareg brings all the design and performance of the regular 26" wheeled model but with added "rolling ability". A very specialist machine indeed.

USAGE CHART



Model		Tuareg
Design mission		Fast Paced XC
Geometry		Hardtail
Material	Custom Drawn 3AL/2.5V Titanium	
Frame Warranty		Lifetime
Sizes	14, 16.5, 18, 19.5 inch and Custom	
Frame Finish		Bright Hand Brushed
Available Brake Mount		V-brake and Disc Brake
Available Fork Travel		100 mm



“The Zion’s geometry unflinchingly rides the narrow line between the contradictory demands of slow speed stability and high speed agility. Everything from low speed granny-ring grunts to flat-out singletrack chasing feels reassuringly intuitive. The Zion doesn’t need to be persuaded to go out for a ride - it wants to.”

MBUK Magazine, issue 203-2006

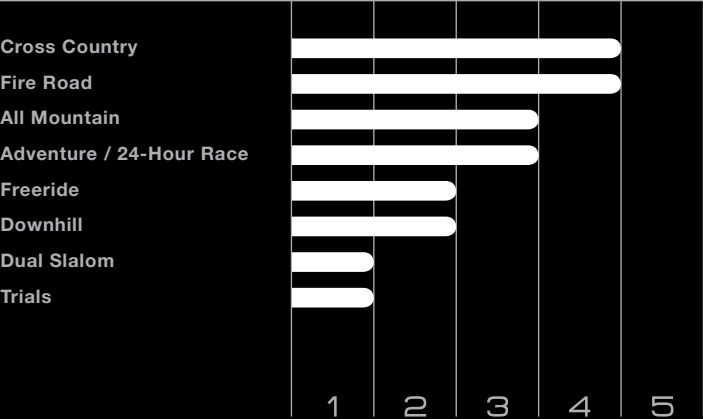


ZION

ZION — The workhorse of the Van Nicholas titanium hardtail stable; the Zion maintains our high standards of impeccable craftsmanship and value. The frame incorporates integrated options for disc or V-brakes, classic Van Nicholas geometry set for up to 100 mm forks, size specific 3AL/2.5V seamless titanium tubing, and our acclaimed Hand-Brushed finish. Braze-on’s include rack and down tube crud catcher mounts. The Zion is the perfect mountain bike for riders that just want to ride.

ZION SINGLESPEED — Either you do or you don’t - if you do, then the Zion brings real sophistication to your soulful ride. There is something special about mixing Van Nicholas titanium with the purest single speed experience - it’s something you only feel by doing.

USAGE CHART



		Model	Zion
Design mission	Fast Paced XC / Adventure and 24hr Race		
		Geometry	Hardtail
Material	Custom Drawn 3AL/2.5V Titanium		
		Frame Warranty	Lifetime
Sizes	14, 16.5, 18, 19.5 inch and Custom		
		Frame Finish	Bright Hand Brushed
		Available Brake Mount	V-brake and Disc Brake
		Available Fork Travel	100 mm

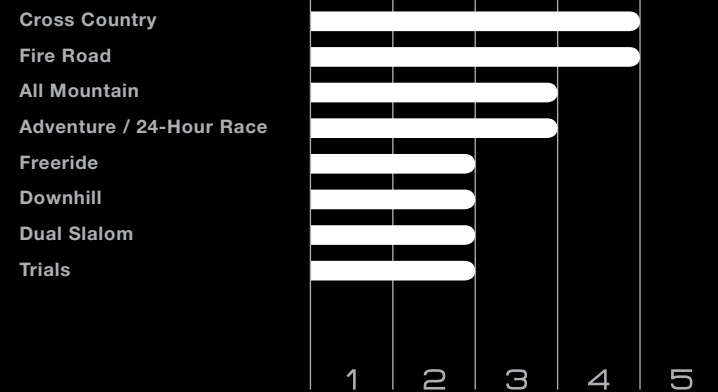




REDWOOD

The Redwood is not just another alloy clone mountain bike frame - it's a real performer. The nature of the design belies its material - it is hydro-formed double butted 6061 aluminium taken to the next level in performance. A real singletrack performer - take a look at the specification and you'll see why we are confident that the Redwood will exceed your expectations.

USAGE CHART



Model	Redwood
Design mission	Fast Paced XC
Geometry	Hardtail
Material	6061 Double Butted Alloy
Frame Warranty	3 Year
Sizes	14, 16.5, 18, 19.5 inch
Frame Finish	Red Metallic Paint
Available Brake Mount	V-brake and Disc Brake
Available Fork Travel	100 mm



ROAD

TT/TRI TOUR/AUDAX MOUNTAIN

VAN

NICHOLAS

TECHNICAL

PARTS



fizik

WWW.FIZIK.IT



VNT COMPONENTS



Water Bottles

Three pieces (3x) Little Big Mouth Water Bottles (by Specialized). Low density plastic for an “easy squeeze” & “easy grip” Same great threaded Softop™ gives good fluid flow, and won’t leak. Freezer and dishwasher safe. Made in the USA. FDA-approved material.



Carbon Water Bottle Cage

Van Nicholas “VNT” Carbon water bottle cage, holds bottle firmly with an easy in and out design, 29 g.



Van Nicholas Alloy MTB Bar

Van Nicholas “VNT” 31.8 mm MTB handlebar. Made from 6061-T6 Double Butted Alloy with a 6 degree bend. The bar has a 23” (580 mm) length and the color is black.

VNT SL Carbon Race Fork

Launching the new Lightweight Van Nicholas "VNT" Carbon SL Fork, with an 1 1/8" Carbon Steerer Tube, and a 43 mm rake. At only 370 gram this fork provides superior stiffness and a incredibly smooth ride.

Titanium Seatpost

Van Nicholas introduces its NEW titanium seat post. Titanium is one of the best materials for seat posts because of its ability to deflect shock, and increase riding comfort. The post is manufactured from aerospace grade 3AL / 2.5V titanium, with a 27.2 mm diameter, 300, 400 mm, 225 g.

Titanium Stem

Introducing Van Nicholas 3AL/2.5V Titanium Stem with a CNC Machined Alloy 4 Bolt Removable Face Plate. This stem has a 31.8 mm Clamp Diameter, a 85° Rise, and comes in 90, 100, 110 and 120 mm lengths. A perfect fit for any of the new Van Nicholas Handlebars.

Titanium Bar Ends

At 98g, the new Van Nicholas Laser Engraved Bar Ends incorporate a short cold worked ovalized profile to provide an easier to grip surface. Aerospace grade 3AL / 2.5V titanium alloy, 110 mm length with welded end caps. Stainless steel clamp bolts included.



EC90
SLX

EC90 SLX CARBON FORK

Weighing only
299 grams

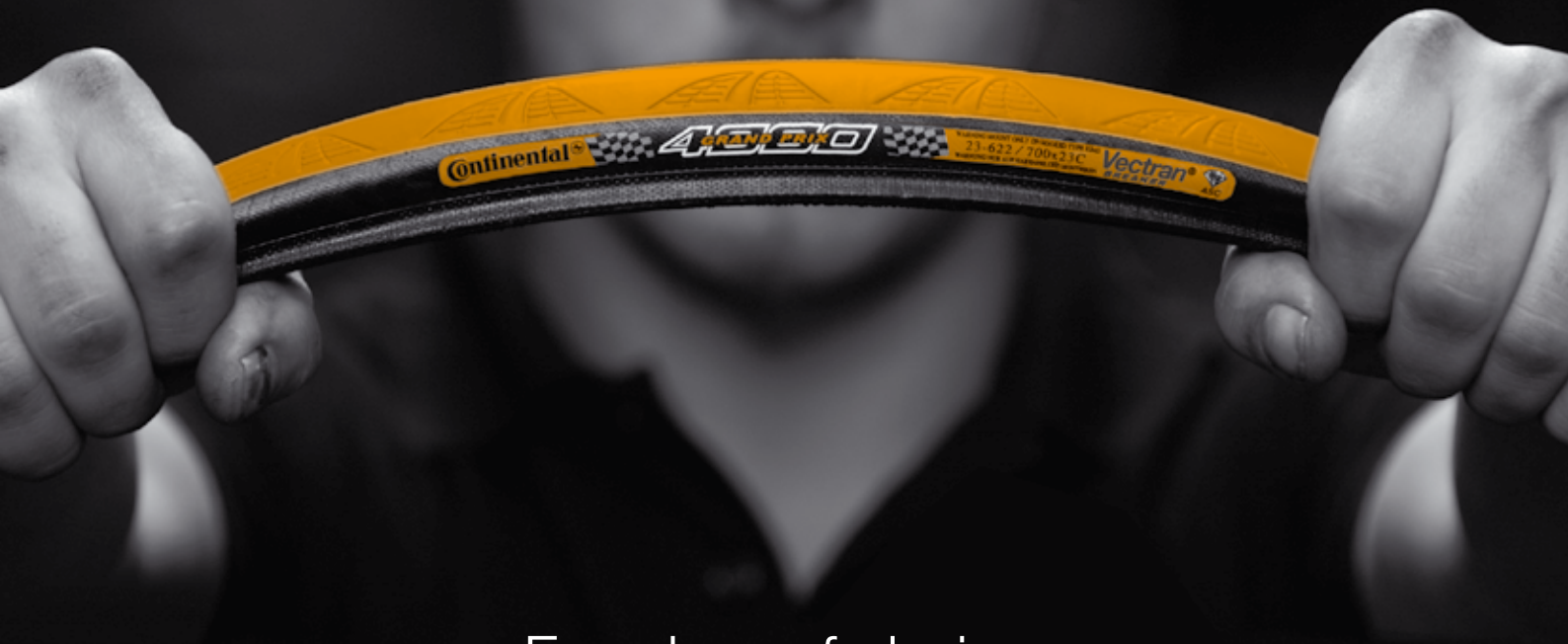
the EC90 SLX is
stronger than competing
carbon forks that weigh
up to 400 grams.

USA and Canada: Veltec Sports • 800-991-0070 (consumers) 800-578-5790 (dealers) • www.eastonbike.com



Official Sponsor of the
Phonak Cycling Team





Freedom of choice.



GP4000 with **Vectran** technology - available in 10 colours.



Titanium Seat Collar

Laser engraved with the familiar Van Nicholas logo. Stainless steel bolt, 6 mm hex head. NEW "High Lust" polish finish. 29.5 g (w/bolt). 31.8 mm size designed for all Van Nicholas frames.



Van Nicholas Handlebar Tape

Guaranteed more durable than Cinelli! Van Nicholas' Cork Gel Tape is a perfect blend of durable polyurethane and 100% natural cork and a thin Gel layer. Feels great and rapidly absorbs numbing road shock. Embossed with the Van Nicholas Logo, soft, textured surface wears well, washes with soap and water.



Van Nicholas Short Sleeve Jersey

Sublimated Short Sleeve Jersey made in Italy. This stunning jersey is made using Octane material fabric with superior Wicking properties.

Van Nicholas Bib Shorts

8 Panel bib Shorts designed by Van Nicholas and made in Italy. Incorporating the finest one-piece molded liner featuring a newly developed anti-bacterial treatment, combined with a special fiber to draw moisture away from the skin; helps keep you dry. 190 gram Lycra provides outstanding durability.



Van Nicholas Team Socks

Want to pedal in comfort and style? Stock up on Van Nicholas Team Socks. Slide a pair of these suckers on and be the envy of all your two-wheeled friends. Made with 75% ultra wicking micro denier acrylic, 15% nylon and 10% spandex. These socks will dry 75% faster than a cotton sock.



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