





OUR MISSION

"Ensuring an ultimate lifelong biking experience for every individual client through committed craftsmanship and the exclusive use of Titanium."



A FEW WORDS FROM JAN-WILLEM

"A man that works with his hands is a labourer, a man that works with his hands and his brain is a craftsman,

a man that works with his hands and his brain and his heart is an artist."

~ Louis Nizer

Obsession.

Not a word that should be used lightly. But it is the only way to describe the Van Nicholas ethos: an obsession with creating the best frames possible for their intended application.

And we believe that the best material for bicycle frame construction is Titanium. So aerospace grade Titanium is the only material we use. This brochure explains why we believe that, and serves as an introduction to the products of our exhaustive research, design and fabrication process – the Van Nicholas range of bikes, components and apparel.



Family.

Van Nicholas was founded on hard work, close-knit family and a true passion for cycling – all values instilled by my father, who I'm proud to work closely with today.

He's in charge of the engineering team, and oversees the hand building of every bike with the same passion and perfectionism that he instilled in me. I'm also proud to work closely with my wife, who oversees the marketing team. But family or not, every single member of the Van Nicholas team is committed to designing and building the best bikes we possibly can, and providing a service that is second-to-none. That is why we can guarantee every Van Nicholas frame for life.

You.

As anyone who runs their own business knows, vacations are a rare luxury. But every year I travel to Mallorca for a week of cycling with some good friends to remind me what all the long days and late nights are for: producing bikes that are a joy to ride. I want you to experience that pleasure, and have dedicated myself to the creation of a range of products that deliver pleasure at every level: from the comfort of our jerseys, to the thrilling ride of our top-of-the-range road bike, the Astraeus. And because everyone is different, we want you to choose your own Van Nicholas experience – so we invite you to tailor your bike to your exact specifications,

with top brand components and groupsets, before we hand build them at our factory in Holland. Your pleasure, is our pleasure.

As founder and head of design, I'd like to welcome you to the 2011 Van Nicholas range, and thank you for taking a closer look.

Jan-Willem Sintnicolaas
Founder and Head of Design

PRODUCTION

The birth of a Van Nicholas.



Van Nicholas is always striving to achieve total fit-for-purpose design and functionality.



TECHNOLOGY

The cutting edge in Titanium engineering.



Engraved

Head Tube Logo

We etch our classic logo directly onto the head tube, so your grandchildren will know the frame you pass down to them is a Van Nicholas.



Polished Finish

High Lust

Our high lust finish is achieved the old-fashioned way, with a liberal application of elbow grease.



Hydroformed

Frame Tubing

Hydroforming allows us to optimise the structural rigidity of a smaller gauge of metal, so the only thing lost is weight, not performance.



Lifetime

Frame Warranty

Titanium won't rust, corrode, or break down. We are extremely proud of our products. This is why we guarantee our frames for life.



Brushed Finish

Sculpted by hand

We think the best way to showcase our Titanium frames it is to hand brush them to bring out the natural brightness.



Size Specific

Frame Tubing

To ensure your bike will fit you for life, we automatically adjust the tubing sizes of the frame to the specifications of your body.





H-Bridge

Increased stiffness

Placing an H-shaped bridge between the chain stays increases frame stiffness in one of the areas where you need it most.



Aerodynamic

Frame Tubing.

We use tear-drop shaped tubing, like an aeroplane's wing, to make our bikes as aerodynamic as possible.



3D Sculpted

Dropout

We designed our dropout from every angle to ensure maximum efficiency at one of the highest-strain contact points of the frame.



Internal

Cable Routing

Internal cable routing helps to reduce drag and keeps the lines of our frames simple, elegant and clean.



80-100 mm

Corrected Suspension

Frame optimised for a shorter travel fork, designed for regular trail and single-track riding.



Rohloff

Gearing System

The award-winning 14-gear enclosed Rohloff hub offers smooth, almost unnoticeable shifting, even when stationary.



120-140 mm

Corrected Suspension

Long travel fork frame optimisation, for all-mountain riding with big rocks and heavy drops.



Belt Drive

System Option

Lighter, cleaner and quieter than a regular chain. The ideal choice for commuter and tourer alike.

TITANIUM

The considered choice.

Nothing Looks Like Titanium.

Titanium's unique properties make it an excellent material for bicycle frame construction. Its high strength, low density, low modulus structure provides a skeleton that is not only extremely strong and durable, but also incredibly lightweight, with unparalleled fatigue and corrosion resistance.

Happily, Titanium is so resistant to corrosion it does not even need to be treated or painted. We simply brighten its natural colour by lightly brushing it. We love the finish this creates.

Nothing Rides Like Titanium.

Titanium has an inherent flexibility, similar to steel, only more pronounced. Therefore it is ever so slightly 'springy', which means it can absorb road vibration before it reaches the rider. In fact, a Titanium seat post more or less eliminates it. Consequently, you feel like you are gliding across tarmac, even when riding hard.

Nothing Lasts Like Titanium.

Titanium does not break down, rust or corrode under any atmospheric conditions.

And unlike aluminium or carbon framesets,
Titanium won't 'snap' in an accident.

This is because, like steel, it 'gives' a little,
and is incredibly strong. But it is lighter.

And it does not rust. Ever. This is one of the reasons why every Van Nicholas frame is guaranteed for the lifetime of its owner.

Environment.

Titanium is one of the most environmentally friendly metals. The Titanium scrap we generate during the manufacturing process is fully recyclable.

The ultimate combination of properties.

The combination of high strength and material formability gives Titanium a ride quality that is second-to-none. It's stiff enough to prevent energy-loss, but springy too, so road vibration is minimized.

Reliability.

Titanium's fatigue life and corrosion resistance is superior to any other frame-building material in the world.

Excellent ratios.

Titanium has excellent strength/stiffness-to-weight ratios, meaning we can use thin-walled 0.8/0.9mm Titanium tubing without sacrificing ride quality or fatigue life.

Timeless aesthetics.

Titanium is not a fashion statement. Titanium will remain a premium – and therefore coveted – material because of the expense of the production processes.

In Titanium you can trust.

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 that could shorten, or even end, the life of other materials.



RDAD Experience the difference.

We believe Titanium delivers a ride like no other. Take the pinnacle of Van Nicholas racing bike design, the Astraeus. It retains all the strength, rigidity, crisp handling and sharp acceleration you would expect from a thoroughbred racer, but still delivers an exceptionally smooth ride. So smooth it inspired one recent reviewer to liken the experience to the floating feeling you get when driving a Rolls Royce.

We've dedicated ourselves to finding this balance across all our racing range by using the latest Titanium fabrication processes to increase strength and save weight, and obsessively calculating the optimum geometries for the intended application. A Van Nicholas racing frame offers the performance the most demanding cyclists seek. Own the road, choose Titanium.







ASTRAEUS What liquid can do to Titanium.

This is the Van Nicholas Astraeus.

It is made from hydroformed 3AL/2.5V Titanium tubing. Hydroforming is a process in which liquid is forced under high pressure into tubing to change its shape. This will make it more rigid and allows for slightly smaller gauges of metal to be used, reducing the overall weight of the frame.

With the right components and rider, this can result in a much faster ride. And, we believe, a not unattractive bike.

But like every other Van Nicholas Titanium frame, no liquid will ever cause the Astraeus to rust.

This, along with complete faith in our designs, is why every Van Nicholas frame comes with a lifetime guarantee.

ASTRAEUS

For the rider who wants the best. Period.











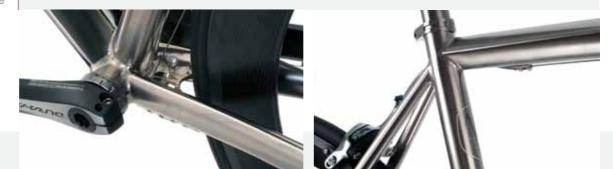


"The Astraeus really flies out on the road, where it inspires confidence."

Cycling Plus Magazine

The Van Nicholas Astraeus is the result of an extensive planning, design and testing programme. Utilizing a seamless hydroformed tubing, it sets the benchmark for Titanium frames.

The Astraeus maintains the magical ride qualities for which Titanium is famous, but also delivers a stiffness not seen before in a Ti frame. A climber's dream, its acceleration and performance in the sprint make it a perfect choice for the race obsessed.





ZEPHYR Eat up the miles in comfort.













rranty engraved logo specific tubing

The Van Nicholas Zephyr,
- what class!
It's an extraordinarily good
looking bicycle from the
Dutch manufacturer with some
very nice detail worked into the
3AL/2.5V Titanium frame.

L'Acheteur Cycliste

The Zephyr's award winning design is based on providing day-long comfort. The semi-compact dimensions have been engineered to deliver a laterally stiff, yet vertically compliant ride, with seat and chain stays that increase the comfort level in the frame.

Comfortable enough for long rides, stiff enough for climbing and sprinting, and like all Van Nicholas Titanium frames, strong enough to last a lifetime.







CHINOOK Top performance for top performers.











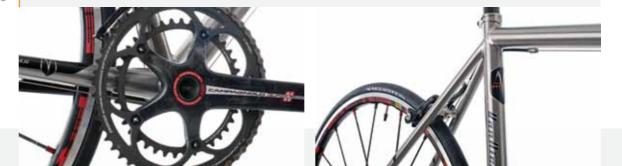


"There is very little in the way of competition at this price point in Titanium"

Cycling Plus Magazine

The Chinook's geometry has been designed to deliver sprint performance and precision handling with a degree of comfort. It features traditional round tube construction and classic dimensions to provide a dependable, sprint-orientated ride.

Ideal if you're looking to be competitive in Criterium-style events, it's lightning quick and ultra responsive, and fantastic value for a Titanium frame of this pedigree.





CHINOCK Beyond the velodrome.











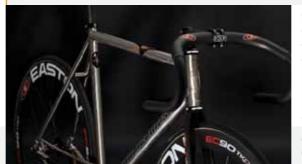


"I've shaved seconds off my personal best since I got my Track."

E. Joret - VN fan

The Chinook Track is a high-spec track frame that features traditional round tube construction and classic dimensions. Its geometry has been designed to deliver maximum sprint performance and precision handling.

The frame has the same features as its road cousin but with an oversized down tube and H-Bridge chain stay system for added stiffness. Designed for riders seeking the ultimate track performance solution.







EUROS Complete performance solution.









brush

"If I was looking to buy a bike I could enjoy for many years, and be proud of, the Euros would be the perfect solution."

Cycling Plus Magazine

The Euros geometry has been engineered to deliver day-long ride comfort that still provides thrills. The semi-compact dimensions – with clearances that allow for medium volume tyres – ensure the Euros is a responsive and stable frame with a great deal of comfort.

Whether you're a serious distance eventer, or someone who just likes clocking up the miles for fun, the Euros leaves you feeling fresh – no matter how long you're in the saddle.







MISTRAL

Small price, huge heart.







"A brilliant new all-rounder, capable of all things to all people."

Cycling Plus Magazine

The Mistral geometry has been engineered like the Euros to deliver day-long ride comfort that still guarantees excitement.

The Mistral possesses semi-compact dimensions with clearances for medium volume tyres that allow for a very comfortable bike with handling that is sharp and assured. It's ideal for riders who want great performance without a 'professional' price tag.









MULTISPORT Of course it flies.

A specialised discipline demands a specialised machine. Like the Blaze. Every detail has been designed with the triathlete in mind.

So each tube section was cold-worked to have the most aerodynamic profile possible. The geometry was designed to help triathletes make the transition from cycling to running more easily, and the integrated seat post system can be rotated to allow the rider to

adopt a more efficient position on the aero bars – because a steeper seat angle opens the gap between thigh and torso, easing muscle tension in the legs and lower back and simultaneously making breathing easier. You see? No detail has been overlooked. We even tucked in the rear wheel and fully concealed the cables to reduce drag as much as possible. Fit for purpose, fit to fly.



BLAZE Feel the burn.













Utilising cold-worked, aerodynamically enhanced 3AL/2.5V Titanium tubing throughout, the Blaze's ability to cut through the air is aided by a seat tube that 'tucks in' the rear wheel, fully concealed cables and an integrated aero seat post system.

The Blaze is a rare machine: rocket-fast, multi-sport specific, but still delivering Titanium's trademark comfort.





"This Time Trail bike is agile, light and comfortable. From the first ride you know you're riding an aerodynamic Van Nicholas machine."

Triathlon Plus Magazine





TOUR Expand your horizons.

Exploration requires versatility and adaptability. The Amazon, our light tourer, is about as versatile and adaptable as it comes. It features sloped geometry and longer chain stays than its road cousins to ensure a comfortable ride, while the wider down tube and seat tube provide the extra strength and rigidity necessary for load-bearing. We designed touring or Audax forks to complement it and allowed for three different

braking options, derailleur or hub gearing and standard chain or belt-drive, so you can have the exact Amazon you need.

And if you don't know where your travels will take you, you'll need to be prepared for every eventuality. So we incorporated multiple braze-ons and bosses to allow for whatever combination of panniers, racks, water-bottles and mudguards you choose.

Get off the beaten track, go your own way.



AMAZON

Looking for a do-it-all machine? Look no further.



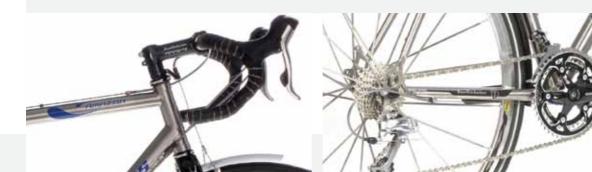






The geometry of the Amazon has been designed to provide day-long comfort and stability under load, whilst still offering rewarding handling for a faster ride.

The Amazon is our Cyclocross/touring/upright road and Audax frame that can be configured in a multitude of variations to meet your performance and riding criteria. If you could only have one bike, then this would be it.



"The Amazon has to be the most versatile bike we have come across."

Procycling Magazine



AMAZON Roll off on an adventure.













The Amazon Rohloff provides the same day-long comfort and stability under load as the standard Amazon frame, but with the advantage of the award-winning enclosed 14-gear Rohloff hub.

Practically bullet proof, and with stationary shifting possible, a Rohloff hub is a popular low-maintenance alternative to a standard cassette and derailleur – handy if your adventures take you hundreds of miles from the nearest repair shop.





"A practical touring bike that blends strength and an excellent ride quality, with the bonus of no paint to scratch."

Cycling Plus Magazine



AMAZON A little dirt never hurt.









Maybe we should have called this bike the Amazing! Because shod with knobblies, the Amazon will perform superbly on the dirt of Cyclocross courses.

Its robust frame can handle anything you throw at it and any corner you throw it into, yet it is light enough to ensure that when you put the power down it isn't wasted. For riders who want to push themselves, and their bikes, to the limit.



"It rides great in my winter training sessions and races. Titanium is the perfect material for both rough weather and rough terrain. It can get dirty without corroding. Last but not least it looks great!"

P. Reichel - VN fan



YUKON

Saddle up and pedal on, and on, and on.



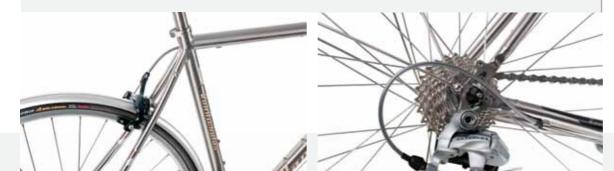






The Yukon geometry has been configured to enhance day-long comfort, day after day, yet offer the stability necessary for the rewarding handling demanded by fast-paced club riders.

The classic dimensions have been engineered to produce a laterally stiff, yet vertically compliant ride. Equally at home on a light tour as it is on a club run, it's an all year round solution that's ideal for Northern European conditions.



"This was a rare dry day in the wettest summer in recent British history. But the good thing about this bike is that it's perfect for all weathers and so easy to clean even after a day of rainy biking. The Yukon handles magnificently on the mountains and the flat, and is so comfortable,"

G. Bel - VN fan



YUKON Choose fixed and break free.









e-time warranty engraved

The Yukon Fixed geometry has been designed with the discerning urban cyclist in mind. It is stiff and responsive for instant acceleration and snappy handling, but still retains Titanium's day-long ride comfort.

It's ideal for the street-carved courier, the flat-out commuter, or as a day-to-day trainer for the rider ready to take a step up to the next level of pedalling power and efficiency. The ultimate street machine.



"For a fixed gear ride that leaves the others behind, the Yukon Fixed is the bike for you. A titanium frame, first-class fittings – and a famous attention to detail – put it in a class of its own."

Londen Cyclist



PIDNEER Get off the beaten track.











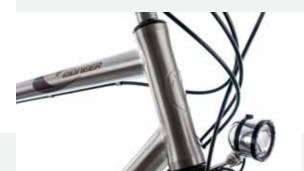


In designing the Pioneer, our first aim was to create a bike that had as little as possible that could go wrong. So, no hydraulic cables, no derailleurs and no front suspension. Simple, yes, but we haven't skimped on the materials.

We've combined a heavy-duty, paint-free Titanium frame with a Titanium seat post and heavy-duty Schwalbe Balloon Tires for comfort. And it comes with the integrated 14-gear Rohloff system. You can rely on the Pioneer, wherever you choose to go.

"A luxury titanium expedition bike assembled with titanium components and processed with high quality welds."

Bike Radtouren Magazine





MTB Conquer the mountains.

Our MTB bikes are designed to soak up the punishment dished out by the most challenging trails. And because they're made from aerospace grade 3AL/2.5V Titanium, they provide unparalleled levels of comfort while doing so. Like the Tuareg, with geometry designed to maximise traction and make climbing a breeze, and tubing that absorbs whatever you throw at it, while still providing the rigidity to inspire confident control whichever

mountain you decide to throw it down. With Titanium taking the hard knocks for you, you'll be inspired to push that little bit harder, and ride that little bit faster.

Just don't forget your lights, because you might find you ride for that little bit longer, too.

Whichever Van Nicholas MTB you choose, rest assured you'll have the best bike for the job.

We came, we rode, we conquered.







TUAREG What goes up, loves to come down.

This is the Van Nicholas Tuareg.

We believe it's everything you need in an all-mountain hard tail.

Like the Astraeus, the pinnacle of our racing bike design, it is made from Hydroformed Titanium.

Which means we can use smaller gauges of metal and create any geometry we desire.

And the result? The peak of MTB performance.

Quick and strong; tough and poised.

But like the Hydroformed Astraeus, and all Van Nicholas

Titanium frames, no liquid will ever cause it to rust.

So rain or shine, wet or dry, you can dish out the punishment a bike like this inspires. And because it's a Van Nicholas, you can do it with a lifetime guarantee.

TUAREG Serial trail abuser.











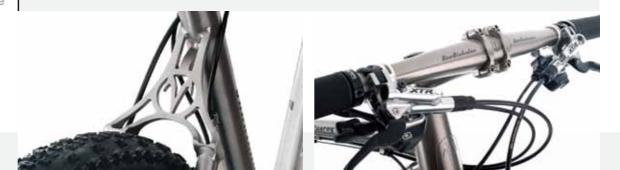
"The Tuareg gives you everything you need. Relatively light frame, efficiency, comfort and durability!"

Bike & Trekking Magazine

The Tuareg geometry has been created to enhance single-track handling, as well as provide a degree of comfort not usually found in MTB frames.

Comparatively short chain stays give great climbing and traction, whilst the tubing profiles are designed to soak up the trail buzz that makes rival hard tails tiring.

The Tuareg is a high-spec performance bike for the fast-paced, cross-country rider - this bike is built to hammer trails.





MAMTOR Move any mountain.









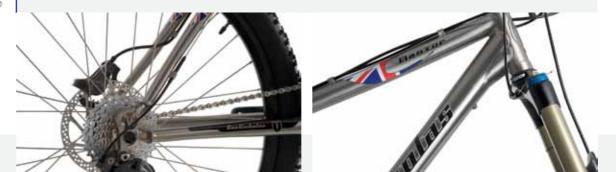


"Quite possibly one of the nicest hardtail frames out there. The Mamtor is one of many long travel hardtails, but stands out because it's beautifully made from Titanium."

Mountain Biking UK Magazine

The Mamtor has been designed with one purpose in mind: total trail domination. It features all-mountain optimised geometry to get the best from a long-travel fork and enhance efficiency on climbs.

The oversized top tube improves compliance and control through mountain descents, while a bi-axial, oversized down tube with an oval profile for increased rigidity delivers an accurate and responsive feel. You'll ride the toughest terrain harder and faster than you've ever gone before.





ZIDN Adapt, evolve and progress.











"I recently purchased a Zion frame and built it to become my dream bike. A very comfortable frame and the best hardtail I have ever owned. My full suspension bike doesn't visit the trails as much as it used to because I'm always riding my Van Nicholas"

N. Carels - VN fan

The Zion geometry has been designed to deal with a variety of off-road riding. The frame incorporates slightly longer chain stays than the Tuareg for added comfort, and the capacity to take forks with 100mm travel.

A suite of braze-ons mean the Zion can easily be adapted for Touring. The workhorse of the Van Nicholas Titanium hard-tail stable, the Zion is made for the rider who needs a bike that's as adaptable as they are.





ZIDN Get dirty, but keep it clean.















"The Zion Rohloff doesn't need to be persuaded to go out for a ride – it wants to!"

Mountain Biking UK Magazine

The Zion Rohloff geometry has been designed like the standard Zion to deal with a variety of off-road riding, with the added advantage of the award-winning Rohloff hub.

The frame is optimised for 100mm travel forks, and the suite of braze-ons means the Zion can easily be adapted for touring. You can't get rid of the dirt in dirt-tracks but with this ultra-smooth, ultra-slick enclosed 14-gear option you can cut down on the post-ride clean up. So you can hit the trails hard, but still enjoy the easy life.







SINGLE SPEED ZION The purist's preference.













"A dream come true, this is rock & roll!"

Our foremost considerations when designing the Zion Single Speed were comfort and simplicity. So no gears, no suspension - and nowhere to hide.

But like the other Zion frames, the long chain stays guarantee a comfortable ride, and we've also optimised the frame for a standard fork. Hammering trails on a single speed can be hard work - with the Van Nicholas Single Speed we've made it easy.

B. Leite - VN fan







ZIDN' Don't let anything stand in your way.











"I'm flying over bigger rocks and roots then ever before.

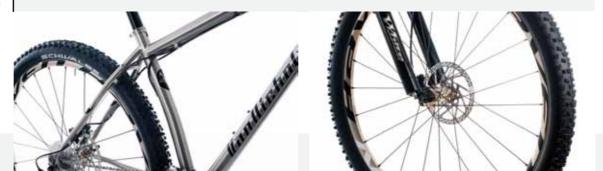
C. Thurlow - VN fan

I love it!"

Like its 26" wheeled stable mate, the geometry of the Zion 29" has been created for single track and trail riding, but with extra clearance to allow for 29" wheels.

Fans of 29ers claim many advantages for the larger wheeled bike – better traction, balance and comfort; improved performance over obstacles and up tough, technical climbs; superior momentum conservation and handling on loose terrain.

We married these benefits to the superior qualities of a Van Nicholas Titanium frame. Unique.









ACCESSORIES

Bicycle jewellery.

Cycling is much more than a hobby, a keep-fit pursuit, or a practical way of getting from A to B. It is an expression of self. We've developed our own range of components and apparel to help you with this expression, because we realise everyone is different, and no two bikes are the same. In conjunction with other trusted experts in their respective fields, we developed apparel made

from the latest technical materials.

Under our VNT Elements label we have created accessories and components from the highest quality alloys and ceramics.

And, of course, we have devoted many long hours to crafting the finest Titanium components to perfectly complement our frames. Go on, express yourself, accessorize.



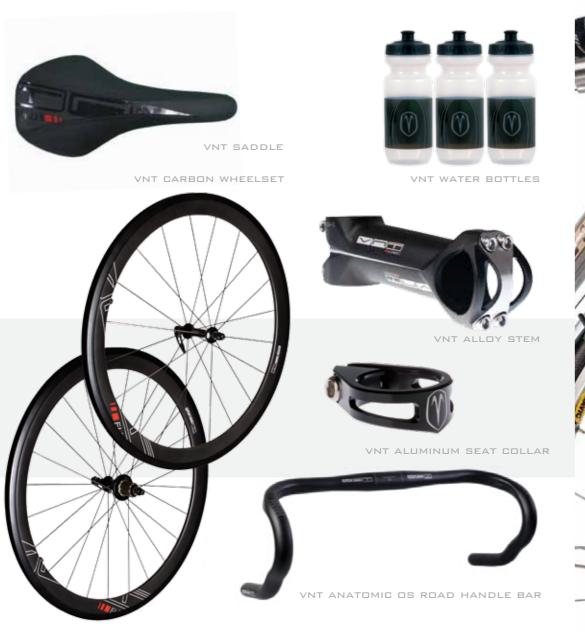
VAN NICHOLAS Titanium components.

If you want the ultimate Titanium bike, you need Titanium components that share an illustrious pedigree with your Van Nicholas frame.

With our obsessive eye for detail and ergonomic design, we turned our attention to handlebars, seat posts, wheel skewers and more, to develop a range of components as hard-wearing and good-looking as our bikes.











Titanium will always be our first and only love, but that doesn't stop us experimenting with other materials for our components.

Under the VNT (Van Nicholas Technology) label, we've focused our design expertise on creating high end carbon, aluminium and ceramic components – so now you have even more choice when it comes to customising your Van Nicholas.









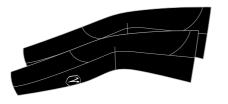
APPAREL Van Nicholas.

When you're riding a bike as beautiful as a Van Nicholas (if we do say so ourselves) you need apparel that will attract just as many admiring glances.

Designed by us and made in Italy, the Van Nicholas clothing range uses the latest high-tech sports performance materials to ensure you're comfortable and equipped to perform to the best of your abilities.











VN WINDPROOF SLEEVELESS JACKET

BE YOUR BIKE

Man and machine unified.

Express yourself.

It's like this: there is no right way for a Van Nicholas to look. But whatever way you choose to style your dream Van Nicholas, it will always look right. We may be a specialist frame manufacturer, but the majority of our customers buy a complete bike.

There are two reasons for this: we build all our bikes by hand, and we stock the latest components from a wide range of top brand manufacturers as well as our own.

Provided there are no compatibility problems, you can personalize every part, mixing and matching to suit your needs and budget.

Build your bike.

Our online 'Bike-builder' tool makes it easy. You simply select the exact brand and type of component you want for every part of your bike.

With each change you make to your specification, the total price and weight of your bike will change accordingly. This allows you to customize a bike exactly to your requirements and to suit your budget.

So the bike you build meets your unique needs. Which of course means it will be a unique bike. In our opinion this is far more satisfying than buying a bike 'off the shelf', which can only ever be someone else's idea of the right specification.

We believe this option ensures that you will always feel at one with your Van Nicholas. Or as we say, you will always Be Your Bike. So go ahead. Make your Van Nicholas.



























































TAILORMADE

Being unique is an option.

Your frame. Your canvas.

For the absolute ultimate in bike customisation, we offer you the option of having a frame built to your exact size, dimensions and specification. You will get a bike that your body will instantly recognise as its own. You'll get the most comfortable ride you have ever had. And, more than likely, you'll get an immediate increase in your performance levels.

On our website you will find all the information you need to specify your very own Tailormade Van Nicholas frame.

If you decide Tailormade is for you, make sure you follow those instructions carefully.

If you're not sure, just call and we'll talk things through with you. Alternatively, you can have your measurements taken for you at one of our authorised dealers. You'll find the location of your nearest store on the website.

One warning, however: if you're one of those people with Bike Wanderlust, someone who is always looking for or thinking about the next bike, then taking up this option will mean the end of that particular pursuit!

We're confident that it's something you won't miss. We offer you the chance to have a completely different bike. The bike you want.



GEOMETRY The right size for you.

		Astrae	us*, Eur	os**, Mis	stral					Zephy	r							
Effective Frame Size	Α	48.0**	50.0	52.0	54.0	56.0	58.0	60.0	-	-	50.0	52.0	54.0	56.0	58.0	60.0	-	Α
Seat Tube Length CTT	В	45.0	47.0	49.0	51.0	53.0	55.0	57.0	-	-	48.0	50.0	52.0	54.0	56.0	58.0	-	В
Seat Tube Length CTC	С	41.5	43.5	45.5	47.5	49.5	51.5	53.5	-	-	44.0	46.0	48.0	50.0	52.0	54.0	-	С
Effective Top Tube	D	50.0	52.0	53.1	54.0	55.0	56.6	57.7	-	-	52.0	53.1	54.0	55.0	56.6	57.7	-	D
Actual Top Tube	Ε	48.5	50.5	51.6	52.5	53.5	55.1	56.3	-	-	50.5	51.6	52.5	53.5	55.0	56.2	-	Е
Head Tube Angle	F	71.5	72.0	72.5	72.5	73.0	73.0	73.5	-	-	71.0	71.5	71.5	72.0	72.0	72.5	-	F
Head Tube Length	G	10.0*	11.0*	12.0*	13.5*	15.0*	16.5*	18.0*	-	-	12.5	13.5	15.0	16.0	18.0	19.5	-	G
Chain Stay Length	Н	40.5	40.5	40.5	40.5	40.5	40.5	40.5	-	-	40.5	41.0	41.2	41.5	41.8	41.8	-	Н
Seat Tube Angle	1	75.0	75.0	74.5	74.0	73.5	73.0	73.0	-	-	75.0	74.5	74.0	73.5	73.0	73.0	-	1
Wheel Base	J	95.4	97.0	97.2	97.7	97.8	98.9	99.5	-	-	97.6	98.4	99.1	99.4	100.8	101.5	-	J
Front Center	K	55.9	57.5	57.7	58.2	58.3	59.4	60.0	-	-	58.3	58.6	59.1	59.1	60.2	60.9	-	K
Bottom Bracket Drop	L	7.0	7.0	7.0	7.0	7.0	7.0	7.0	-	-	7.5	7.5	7.5	7.5	7.5	7.5	-	L
Fork Rake	М	4.3	4.3	4.3	4.3	4.3	4.3	4.3	-	-	4.3	4.3	4.3	4.3	4.3	4.3	-	М

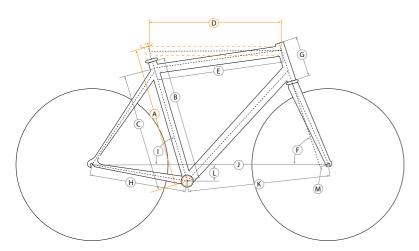
^{*} Head Tube Length for the Astraeus is 2 cm longer.

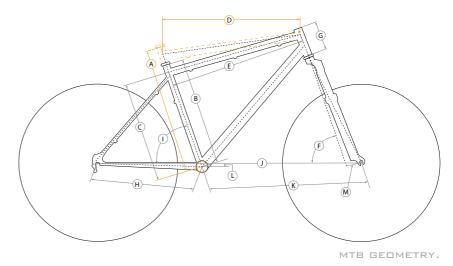
Chir	nook								Chinool	k Trac	k					E	Blaze								
Α -	5	50.0	52.0	54.0	56.0	58.0	60.0	62.0	-	-	53.0	-	56.0	-	59.0	-	-	-	52.0	54.0	56.0	58.0	-	-	Α
В -	5	50.0	52.0	54.0	56.0	58.0	60.0	62.0	-	-	53.0	-	56.0	-	59.0	-	-	-	57.5	59.5	61.5	63.5	-	-	В
С -	4	46.5	48.5	50.5	52.5	54.5	56.5	58.5	-	-	49.5	-	52.5	-	55.5	-	-	-	48.0	50.0	52.0	54.0	-	-	С
D -	5	52.5	53.5	54.5	56.0	57.5	59.0	60.0	-	-	53.5	-	56.0	-	59.0	-	-	-	53.1	54.0	55.7	57.5	-	-	D
Е -	5	51.3	52.4	53.5	55.1	56.6	58.2	59.2	-	-	53.0	-	55.8	-	58.8	-	-	-	52.5	53.8	55.6	57.4	-	-	Е
F -	7	72.5	73.0	73.0	73.0	73.5	73.5	73.5	-	-	74.0	-	74.0	-	74.0	-	-	-	71.5	72.0	72.5	72.5	-	-	F
G -	1	11.0	12.0	13.5	15.0	16.5	18.0	19.5	-	-	12.0	-	14.0	-	17.0	-	-	-	10.0	10.0	11.5	13.5	-	-	G
Н -	4	40.5	40.5	40.5	40.5	40.5	40.5	41.0	-	-	38.0	-	38.0	-	38.0	-	-	-	39.5	39.5	39.5	39.5	-	-	Н
1 -	7	74.5	74.0	73.5	73.5	73.0	72.5	72.0	-	-	75.5	-	75.5	-	75.5	-	-	-	76.0	76.0	76.0	76.0	-	-	1
J -	9	96.5	96.7	97.3	98.8	99.3	100.2	101.1	-	-	94.9	-	97.5	-	100.5	-	-	-	96.8	97.3	98.7	100.6	-	-	J
К -	5	57.1	57.2	57.8	59.3	59.8	60.8	61.1	-	-	57.5	-	60.1	-	63.2	-	-	-	58.5	59.0	60.4	62.3	-	-	K
L -	7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	-	-	5.5	-	5.5	-	5.5	-	-	-	7.5	7.5	7.5	7.5	-	-	L
М -	4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	-	-	3.8	-	3.8	-	3.8	-	-	-	4.3	4.3	4.3	4.3	-	-	М
											4 Dalk D						mazon	_							

1	-	74.5	74.0	73.5	73.5	73.0	72.5	72.0	-	-	75.5	-	75.5	-	75.5	-	-	-	76.0	76.0	76.0	76.0	-	-	1
J	-	96.5	96.7	97.3	98.8	99.3	100.2	101.1	-	-	94.9	-	97.5	-	100.5	-	-	-	96.8	97.3	98.7	100.6	-	-	J
K	-	57.1	57.2	57.8	59.3	59.8	60.8	61.1	-	-	57.5	-	60.1	-	63.2	-	-	-	58.5	59.0	60.4	62.3	-	-	K
L	-	7.0	7.0	7.0	7.0	7.0	7.0	7.0	-	-	5.5	-	5.5	-	5.5	-	-	-	7.5	7.5	7.5	7.5	-	-	L
М	-	4.3	4.3	4.3	4.3	4.3	4.3	4.3	-	-	3.8	_	3.8	-	3.8	-	-	_	4.3	4.3	4.3	4.3	-	-	М
																		- 0							
F	mazo	n						Α	mazo	n Rohlo	ff, Belt -	Drive					Amazo	n Cross							
Α	-	50.0	52.0	54.0	56.0	58.0	60.0	-	-	50.0	52.0	54.0	56.0	58.0	60.0	-	-	50.0	52.0	54.0	56.0	58.0	-	-	Α
В	-	47.5	49.5	51.5	53.5	55.5	57.5	-	-	47.5	49.5	51.5	53.5	55.5	57.5	-	-	47.5	49.5	51.5	53.5	55.5	-	-	В
С	-	43.5	45.5	47.5	49.5	51.5	53.5	-	-	43.5	45.5	47.5	49.5	51.5	53.5	-	-	43.5	45.5	47.5	49.5	51.5	-	-	С
D	-	52.0	53.1	54.0	55.0	56.6	57.7	-	-	55.0	56.1	57.0	58.0	59.6	60.7	-	-	52.0	53.1	54.0	55.0	56.6	-	-	D
Е	-	50.3	51.4	52.4	53.4	55.0	56.1	-	-	53.3	54.4	55.4	56.3	57.9	59.1	-	-	50.2	51.4	52.4	53.4	55.1	-	-	Е
F	-	70.5	70.5	70.5	70.5	70.5	70.5	-	-	70.5	70.5	70.5	70.5	70.5	70.5	-	-	72.0	72.0	72.0	72.0	72.0	-	-	F
G	-	11.0	12.0	13.5	15.0	16.5	18.0	-	-	11.0	12.0	13.5	15.0	16.5	18.0	-	-	11.0	12.0	13.5	15.0	16.5	-	-	G
Н	-	44.5	44.5	44.5	44.5	44.5	44.5	-	-	45.6	45.6	45.6	45.6	45.6	45.6	-	-	42.5	42.5	42.5	42.5	42.5	-	-	Н
I	-	74.5	74.0	74.0	73.5	73.0	73.0	-	-	74.5	74.0	74.0	73.5	73.0	73.0	-	-	73.5	73.0	73.0	73.0	73.0	-	-	1
J	-	101.9	102.6	103.6	104.2	105.3	106.4	-	-	106.0	106.7	107.7	108.2	109.4	110.5	-	-	98.4	99.1	100.0	100.9	102.6	-	-	J
K	-	58.5	59.2	60.2	60.8	61.9	63.0	-	-	61.5	62.2	63.2	63.7	64.8	66.0	-	-	56.6	57.3	58.2	59.1	60.8	-	-	K
L	-	7.5	7.5	7.5	7.5	7.5	7.5	-	-	7.5	7.5	7.5	7.5	7.5	7.5	-	-	5.8	5.8	5.8	5.8	5.8	-	-	L
М	-	4.5	4.5	4.5	4.5	4.5	4.5	-	-	4.5	4.5	4.5	4.5	4.5	4.5	-	-	4.5	4.5	4.5	4.5	4.5	-	-	М
	All s	sizes a	re expr	ressed	in cent	imeter	s [cm]	unless	spe	cifically	y menti	ioned c	otherwi	se.											

	Pioneer,	Pione	eer Belt -	Drive					Yukon								Yukon	Fixed							
Α	48.0	-	52.0	-	55.0	58.0	-	-	-	50.0	52.0	54.0	56.0	58.0	60.0	-	-	50.0	52.0	54.0	56.0	58.0	60.0	-	Α
В	47.0	-	51.0	-	54.0	57.0	-	-	-	50.0	52.0	54.0	56.0	58.0	60.0	-	-	50.0	52.0	54.0	56.0	58.0	60.0	-	В
С	42.0	-	46.0	-	49.0	52.0	-	-	-	46.5	48.5	50.5	52.5	54.5	56.5	-	-	46.5	48.5	50.5	52.5	54.5	56.5	-	С
D	56.0	-	58.0	-	60.0	62.0	-	-	-	52.0	53.1	54.1	55.1	56.6	57.7	-	-	54.0	55.1	56.1	57.1	58.6	59.7	-	D
Е	53.8	-	55.9	-	57.9	59.7	-	-	-	51.0	52.2	53.3	54.3	55.9	57.2	-	-	53.2	54.5	55.6	56.6	58.2	59.5	-	Е
F	69.0	-	69.0	-	69.0	69.0	-	-	-	71.0	71.5	71.5	72.0	72.0	72.0	-	-	71.0	71.5	71.5	72.0	72.0	72.0	-	F
G	17.0	-	19.0	-	21.5	24.5	-	-	-	11.0	12.0	13.5	15.0	16.5	18.0	-	-	11.0	12.0	13.5	15.0	16.5	18.0	-	G
Н	44.0	-	44.0	-	44.0	44.0	-	-	-	42.5	42.5	42.5	42.5	42.5	42.5	-	-	42.5	42.5	42.5	42.5	42.5	42.5	-	Н
1	73.0	-	73.0	-	72.5	72.0	-	-	-	75.0	74.5	74.0	73.5	73.0	73.0	-	-	75.0	74.5	74.0	73.5	73.0	73.0	-	1
J	107.5	-	109.1	-	110.8	112.3	-	-	-	100.0	100.3	100.9	101.0	102.0	103.2	-	-	102.4	102.8	103.4	103.5	104.5	105.7	-	J
K	63.3	-	65.4	-	67.1	68.7	-	-	-	58.5	58.8	59.4	59.5	60.5	61.7	-	-	60.6	61.0	61.6	61.7	62.7	63.9	-	K
L	4.5	-	4.5	-	4.5	4.5	-	-	-	7.0	7.0	7.0	7.0	7.0	7.0	-	-	6.0	6.0	6.0	6.0	6.0	6.0	-	L
М	4.5	-	4.5	-	4.5	4.5	-	-	-	4.5	4.5	4.5	4.5	4.5	4.5	-	-	4.5	4.5	4.5	4.5	4.5	4.5	-	М
	Tuareg								Mamto	r							Zion, Z	ion Sinç	gle Spee	d					
	Tuareg 14,0"	-	16,5"	18,0"	19,5"	21,0"			Mamto 14,0"	r -	16,5"	18,0"	19,5"	-			Zion, Z	ion Sinç -	gle Spee 16,5"	d 18,0"	19,5"	-			Α
Α		-	16,5" 41.9	18,0" 45.7	19,5" 49.5	21,0" 53.3					16,5" 41.9	18,0" 45.7	19,5" 49.5	-				ion Sinç - -			19,5" 49.5	-			A B
A B	14,0"	-	•	•	•	•			14,0"	-	•	•	•				14,0"	-	16,5"	18,0"	•	- -			
A B C	14,0" 35.6		41.9	45.7	49.5	53.3			14,0" 35.6	-	41.9	45.7	49.5	-			14,0" 35.6	-	16,5" 41.9	18,0" 45.7	49.5				В
A B C D	14,0" 35.6 30.6	-	41.9 36.9	45.7 40.7	49.5 44.5	53.3 48.3			14,0" 35.6 29.1	- -	41.9 35.4	45.7 39.2	49.5 43.0	-			14,0" 35.6 30.6	- - -	16,5 " 41.9 36.9	18,0" 45.7 40.7	49.5 44.5	-			ВС
A B C D	14,0" 35.6 30.6 55.0	-	41.9 36.9 57.5	45.7 40.7 60.0	49.5 44.5 62.1	53.3 48.3 63.5			14,0" 35.6 29.1 56.0	- - -	41.9 35.4 59.0	45.7 39.2 60.5	49.5 43.0 62.0	- - -			14,0" 35.6 30.6 54.5	- - -	16,5 " 41.9 36.9 57.0	18,0" 45.7 40.7 59.1	49.5 44.5 61.6	-			B C D
A B C D E	14,0" 35.6 30.6 55.0 53.9	- - -	41.9 36.9 57.5 55.1	45.7 40.7 60.0 57.4	49.5 44.5 62.1 59.5	53.3 48.3 63.5 61.1			14,0" 35.6 29.1 56.0 55.6	- - -	41.9 35.4 59.0 56.6	45.7 39.2 60.5 57.7	49.5 43.0 62.0 59.0	- - -			14,0" 35.6 30.6 54.5 53.5	-	16,5" 41.9 36.9 57.0 54.6	18,0" 45.7 40.7 59.1 56.5	49.5 44.5 61.6 59.0	- -			B C D
A B C D E F	14,0" 35.6 30.6 55.0 53.9 70.5	- - -	41.9 36.9 57.5 55.1 71.0	45.7 40.7 60.0 57.4 71.0	49.5 44.5 62.1 59.5 71.0	53.3 48.3 63.5 61.1 71.0			14,0" 35.6 29.1 56.0 55.6 68.5	- - - -	41.9 35.4 59.0 56.6 68.5	45.7 39.2 60.5 57.7 68.5	49.5 43.0 62.0 59.0 68.5	- - - -			14,0" 35.6 30.6 54.5 53.5 70.0	-	16,5" 41.9 36.9 57.0 54.6 70.0	18,0" 45.7 40.7 59.1 56.5 70.0	49.5 44.5 61.6 59.0 70.0	- - -			B C D E F
A B C D F G	14,0" 35.6 30.6 55.0 53.9 70.5 11.0	- - - -	41.9 36.9 57.5 55.1 71.0 11.5	45.7 40.7 60.0 57.4 71.0 12.0	49.5 44.5 62.1 59.5 71.0 12.5	53.3 48.3 63.5 61.1 71.0 14.5			14,0" 35.6 29.1 56.0 55.6 68.5 10.0	-	41.9 35.4 59.0 56.6 68.5 11.4	45.7 39.2 60.5 57.7 68.5 12.2	49.5 43.0 62.0 59.0 68.5 13.0	- - - -			14,0" 35.6 30.6 54.5 53.5 70.0 11.0	-	16,5" 41.9 36.9 57.0 54.6 70.0 11.5	18,0" 45.7 40.7 59.1 56.5 70.0 12.0	49.5 44.5 61.6 59.0 70.0 12.5	- - - -			B C D E F
A B C D E F G H	14,0" 35.6 30.6 55.0 53.9 70.5 11.0 42.5	- - - -	41.9 36.9 57.5 55.1 71.0 11.5 42.5	45.7 40.7 60.0 57.4 71.0 12.0 42.5	49.5 44.5 62.1 59.5 71.0 12.5 42.5	53.3 48.3 63.5 61.1 71.0 14.5 42.5			14,0" 35.6 29.1 56.0 55.6 68.5 10.0 42.5	- - - - -	41.9 35.4 59.0 56.6 68.5 11.4 42.5	45.7 39.2 60.5 57.7 68.5 12.2 42.5	49.5 43.0 62.0 59.0 68.5 13.0 42.5	- - - - -			14,0" 35.6 30.6 54.5 53.5 70.0 11.0 43.0	-	16,5" 41.9 36.9 57.0 54.6 70.0 11.5 43.0	18,0" 45.7 40.7 59.1 56.5 70.0 12.0 43.0	49.5 44.5 61.6 59.0 70.0 12.5 43.0	- - - -			B C D E F G
A B C D E F G H I J	14,0" 35.6 30.6 55.0 53.9 70.5 11.0 42.5 73.5	- - - - -	41.9 36.9 57.5 55.1 71.0 11.5 42.5 73.0	45.7 40.7 60.0 57.4 71.0 12.0 42.5 73.0	49.5 44.5 62.1 59.5 71.0 12.5 42.5 73.0	53.3 48.3 63.5 61.1 71.0 14.5 42.5 73.0			14,0" 35.6 29.1 56.0 55.6 68.5 10.0 42.5 72.7	-	41.9 35.4 59.0 56.6 68.5 11.4 42.5 72.0	45.7 39.2 60.5 57.7 68.5 12.2 42.5 72.0	49.5 43.0 62.0 59.0 68.5 13.0 42.5 72.0	- - - - - -			14,0" 35.6 30.6 54.5 53.5 70.0 11.0 43.0 74.0		16,5" 41.9 36.9 57.0 54.6 70.0 11.5 43.0 73.0	18,0" 45.7 40.7 59.1 56.5 70.0 12.0 43.0 73.0	49.5 44.5 61.6 59.0 70.0 12.5 43.0 72.5	- - - - -			B C D E F G H
A B C D E F G H I J K	14,0" 35.6 30.6 55.0 53.9 70.5 11.0 42.5 73.5 103.3		41.9 36.9 57.5 55.1 71.0 11.5 42.5 73.0 104.8	45.7 40.7 60.0 57.4 71.0 12.0 42.5 73.0 107.3	49.5 44.5 62.1 59.5 71.0 12.5 42.5 73.0 109.4	53.3 48.3 63.5 61.1 71.0 14.5 42.5 73.0 110.9			14,0" 35.6 29.1 56.0 55.6 68.5 10.0 42.5 72.7 105.9	-	41.9 35.4 59.0 56.6 68.5 11.4 42.5 72.0 108.5	45.7 39.2 60.5 57.7 68.5 12.2 42.5 72.0 110.1	49.5 43.0 62.0 59.0 68.5 13.0 42.5 72.0	-			14,0" 35.6 30.6 54.5 53.5 70.0 11.0 43.0 74.0 104.3	-	16,5" 41.9 36.9 57.0 54.6 70.0 11.5 43.0 73.0 105.7	18,0" 45.7 40.7 59.1 56.5 70.0 12.0 43.0 73.0 107.8	49.5 44.5 61.6 59.0 70.0 12.5 43.0 72.5 109.9	- - - - -			B C D E F G H
A B C D E F G H I J K L	14,0" 35.6 30.6 55.0 53.9 70.5 11.0 42.5 73.5 103.3 61.0	- - - - - -	41.9 36.9 57.5 55.1 71.0 11.5 42.5 73.0 104.8 62.5	45.7 40.7 60.0 57.4 71.0 12.0 42.5 73.0 107.3 65.0	49.5 44.5 62.1 59.5 71.0 12.5 42.5 73.0 109.4 67.1	53.3 48.3 63.5 61.1 71.0 14.5 42.5 73.0 110.9 68.6			14,0" 35.6 29.1 56.0 55.6 68.5 10.0 42.5 72.7 105.9 63.7	-	41.9 35.4 59.0 56.6 68.5 11.4 42.5 72.0 108.5 66.2	45.7 39.2 60.5 57.7 68.5 12.2 42.5 72.0 110.1 67.8	49.5 43.0 62.0 59.0 68.5 13.0 42.5 72.0 111.7 69.3	-			14,0" 35.6 30.6 54.5 53.5 70.0 11.0 43.0 74.0 104.3 61.6		16,5" 41.9 36.9 57.0 54.6 70.0 11.5 43.0 73.0 105.7 63.0	18,0" 45.7 40.7 59.1 56.5 70.0 12.0 43.0 73.0 107.8 65.1	49.5 44.5 61.6 59.0 70.0 12.5 43.0 72.5 109.9 67.1	-			B C D E F G H I J

All sizes are expressed in centimeters [cm] unless specifically mentioned otherwise.





ROAD, MULTI-SPORT AND TOUR GEOMETRY.

Zion Rohloff, Belt - Drive Zion 29 Inch - TI Effective Frame Size A 14,0" 16,5" 18,0" 19,5" 16,5" 18,0" 19,5" В Seat Tube Length CTT 35.6 41.9 45.7 49.5 41.9 45.7 49.5 С Seat Tube Length CTC C 30.6 36.9 40.7 44.5 35.4 39.2 43.0 Effective Top Tube 59.1 60.0 62.0 D D 54.5 57.0 61.6 58.2 Actual Top Tube E 53.5 54.6 56.5 59.0 55.2 56.5 58.5 Head Tube Angle F 70.0 70.0 70.0 70.0 71.8 72.0 72.0 Head Tube Length G 11.0 11.5 12.0 12.5 11.0 11.0 11.0 Chain Stay Length 42.8 42.8 42.8 44.5 44.5 Н H 42.8 44.5 Seat Tube Angle 73.0 72.5 73.0 I 74.0 73.0 73.0 73.0 Wheel Base J 104.1 105.6 107.7 109.7 106.4 108.0 110.0 Κ Front Center K 61.6 63.0 65.1 67.1 62.7 64.3 66.2 **Bottom Bracket Drop** L 3.6 3.6 3.6 3.6 6.35 6.35 6.35 Fork Rake M 3.8 3.8 3.8 3.8 4.6 4.6 4.6

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Lifetime Frame Warranty.

Van Nicholas will replace any Titanium frame that fails because of manufacturer defects in materials or workmanship for the lifetime of the original owner.

No-Fault Expense Reimbursement.

Van Nicholas is so confident in our products and commitment to the highest level of customer service that we will cover all applicable expenses up to \$\text{075}\$ if the warranty is processed through an Authorized Van Nicholas Dealer.

Crash Replacement Warranty.

If a Van Nicholas Titanium frame is damaged and is not covered by our manufacturer warranty, Van Nicholas will provide a replacement frame for 50% of the current retail value.

Warranty Re-Certification Programme.

Consumers who are looking to sell or purchase a used Van Nicholas Titanium bicycle or frame can send it directly to our office for Re-Certification (costs €125,-). Van Nicholas will inspect the frame for any potential damage or problems and ship the product back to the consumer with a new manufacturer's warranty.

Fit Guarantee.

If after purchase your riding position is uncomfortable, we will modify the bike to better suit your preferences. This guarantee applies only during the first 60 days of ownership and is directed at modifying stem length or rise, and is not applicable to all components.

10-Day, 100% Money Back Guarantee.

Customers have 10 days from the receipt of a Van Nicholas bicycle to determine their complete satisfaction. If you are not satisfied for any reason, we will rectify the problem or you may return the product in its original packaging for a full refund.









VN FANS Join the pack, get an exclusive VN t-shirt for free.





TIME OUT Details, details, details.

The finishing touches, the finer points, strong; it also has to be finished with precision

Is this the end? Each Titanium bicycle is finished down to the Or the start of something beautiful? smallest detail. When it comes to constructing our Titanium frames, no effort is spared to **Take a minute, look closer and** ensure every last detail is how we believe it drink in those details. should be. It's not enough for a weld to be **the thoughtful extras.** to ensure it looks good too.

> Every millimetre of our frames is scrutinized thoroughly, by three different pairs of eyes: its maker, our Head of Design and the technician who's going to use it to hand build a custom-ordered bike.

> Our loving and lavish attention extends beyond the frame. Every component is thoroughly checked over before we use it. This eye for detail has even led to us rejecting a valve's dust cap for being slightly threaded. Only when the bike is fully assembled and we're completely happy do we sign it off: authenticating it as a modern day Dutch masterpiece!





THE TITANIUM BIKE COMPANY

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