

175TH | THERE IS ONLY ONE FIRST

A mixture of what we are, what we believe and what this anniversary means to the brand and the people who love it.

Our way of declaring that we've been going down the road for almost two centuries and our steps are more decisive than ever.

Our way of showing that the road belonged to us before it did to anyone else.
That it was not there before us. We created it by striding ahead.
Our time to show we're proud of what we are. Proud of the place we come from.

Our time to show that the goal has always been ours. For we've been fighting for what we are for 175 years.

Never giving up. Never settling for less.
Hard work and STRUGGLE runs in our blood.
And in the blood of all the people who sweat for us, who pedal for our brand.

We've come so FAR...
But we will travel even FURTHER.

There's just one conclusion to draw:
NO-ONE will ever catch up with us.
NEVER EVER


ORBEA

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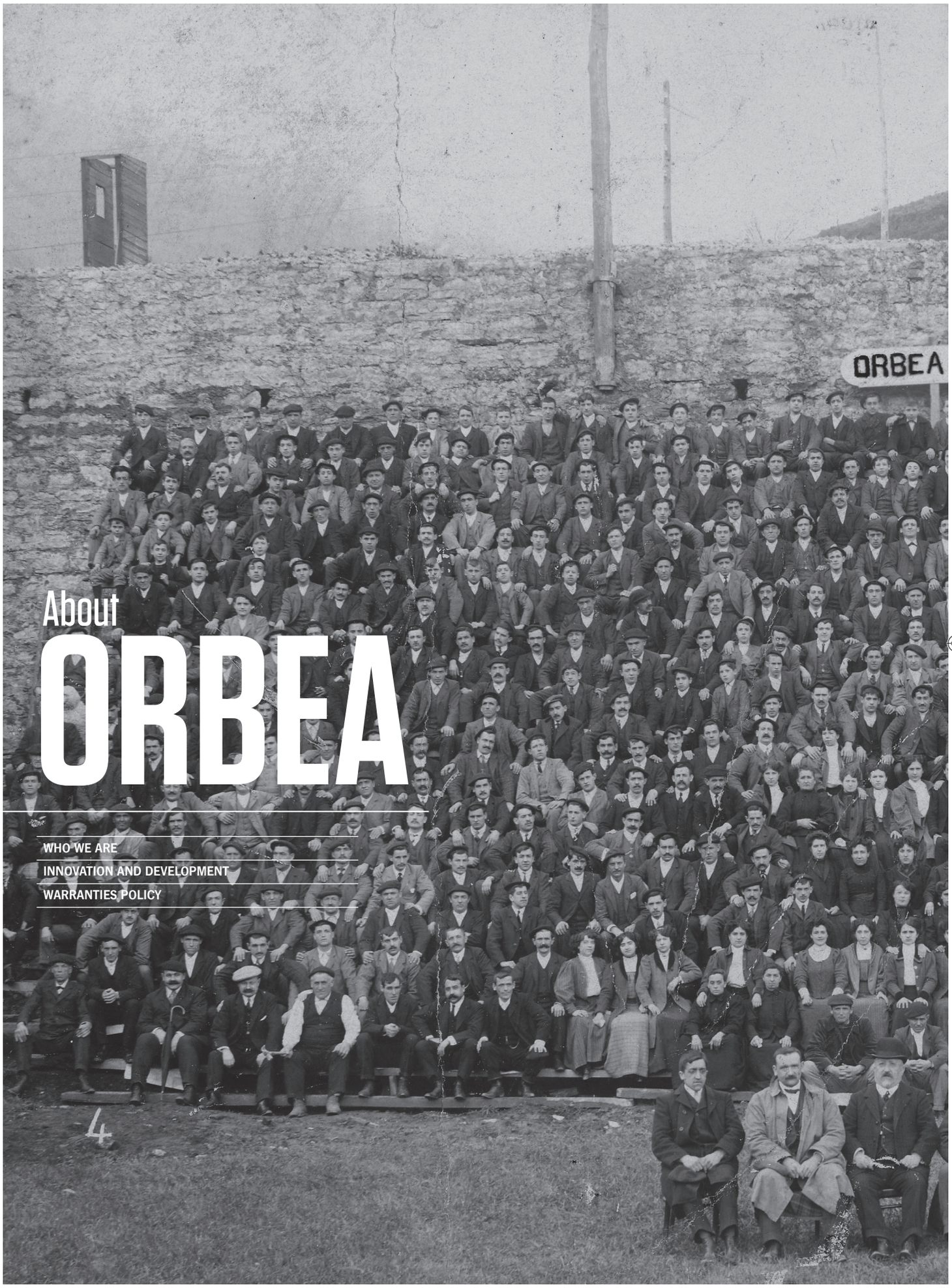
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About ORBEA

WHO WE ARE

INNOVATION AND DEVELOPMENT

WARRANTIES POLICY


A Y Cª



D. Juan Manuel, D. Mateo y D. Casimiro Orbea, fundadores de la fábrica de Eibar, en 1860.



















Cochecito Económico.



SINCE 1840

WE ARE ORBEA



Orbea was established in 1840 as a family-run company making revolvers, cartridge guns and pistols. With the outbreak of World War I, the company experienced growth. When the war ended, the firm changed business, focusing on the manufacture of precision mechanics-based products: prams, school desks and, finally, bicycles, producing as many as 50,000 a year.

A few years later, the economic crisis brought Orbea to the brink of bankruptcy. This would've meant doing away with the firm and with the jobs of 1,500 families. Showing once again that they weren't ready to give up, the workers talked the owner into transferring the plant to them. The company became a cooperative, joining the Mondragon Cooperative Group in 1971. This way, they managed to keep their jobs and a brand with an already long history.

In 1975, the company moved its headquarters to their current location in Mallabia. At the new facilities, Orbea entertained the idea to have a professional elite cycling team, whose future members would include Perico Delgado – winner of the Vuelta a España 1985 – or Marino Lejarreta. Although Orbea has always been associated with racing, it was only in 1982 that it became the sponsor of a road cycling team.

Later, with the emergence of mountain biking, Orbea launched an initiative that would change the brand and the industry for good: its first MTB team, led by Jokin Mujika, who won the Spanish Cyclo-Cross Championships in 1994.

With time, Orbea embarked on internationalization, going beyond exclusive sales in Spain, first with exports to France and then with branches in USA, France, Italy, UK, Belgium, Germany, Australia and Portugal. The internationalization strategy was divided into three areas: products, markets and brand. At present, Orbea operates in more than 65 countries, developing and supplying around 250,000 bicycles, thousands of helmets, cycling wear and hydration packs, and planning trips and events.

Since the making of its first bike, Orbea has managed to adapt to the course of history, offering quality products with ever-changing, innovative designs and materials.

WE ARE ORBEA

HOW WE ARE

WE ARE COMPETITION

From our first day setting foot in the world of cycling we've partnered with the best competitive cyclists. From Mariano Cañardo, our first great rider, to the first Vuelta a España in history, and with great conquerors of mountains like Federico Ezquerra and the Montero brothers...

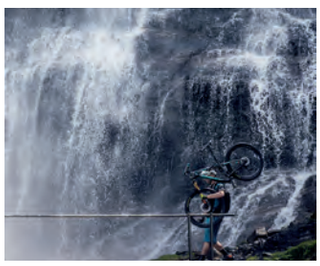
Then, in the 1980s, we saw an opportunity to return to the forefront of racing. Led by a legend, Txomin Perurena, our early winning ways were implanted in the hearts of our fans, from the Vuelta a Perico, Pais Vasco con Peio, the accomplishments of Marino...

Then, we came back with the Euskadi Foundation, Roberto Laiseka, Iban Mayo, Haimar Zubeldia, winning stages in the Tour, the Vuelta, in the hardest of climbs, from Luz Ardiden to the fierce Zoncolan, through Abantos and Andorra.

But we also went Olympic, almost from the first moment we attacked the world of MTB with Roberto Lezaun and Jokin Mujika, from Atlanta to London, touching the top step of the podium with the best rider in recent history, Julien Absalon, who won in Beijing within days of Samuel Sanchez. An epic - even Olympic - triumph for Orbea.









WE ARE CYCLING

The road of the cyclist has climbs, descents, plains, false flats, endless routes, unexpected curves. Every ride a story, and every rider, too. Knowing what cycling means gives us the rare passion and knowledge to adapt and listen to the cyclist, because they're on the journey with us.

With a family of bicycles designed to suit every rider, we offer a bike for every step of the ride, from full suspension Enduro mountain bikes to featherweight Grand Tour racing steeds. Bikes for sheer enjoyment, for unending miles through the forest, and for the pinnacle of performance. We are cycling because we are fluid, able to adapt to the needs of every rider like a cyclist reading a corner.

WE ARE ORBEA

WHO WE ARE

WE ARE ARTISANS

Our meticulous attention to detail has always set us apart. Even when our predecessors were making guns at a furious pace, they always took the extra time to customize their pieces, to add ornate filigree when requested.

Through the years, we've maintained that tradition of creative quality, and carried it through to our bicycles. Technical artistry reminiscent of Spanish form from the days of the Arab conquerors of the Iberian Peninsula, is seen in our bicycles, in their design, in their colors, and in their aesthetic. Every tiny detail on the bike has been hand picked for the best riding experience possible, making the bike as much a part of the rider as the legs powering it forward.







WE ARE BUILDERS

In 1840 our forebearers, the Orbea Brothers, opened a small workshop in the heart of Basque Country in Eibar. With relentelss work and ambition, the workshop grew to become the first factory in a city eventually dedicated to industry.

Over time, the factory became a leader amongst its peers, pioneering many innovative products and manufacturing procedures. Since that time we've maintained the innovative spirit of the Eibar factory, constantly adapting our products for our customers. When guns were no longer the business of Orbea, we used our innate knowledge of steel tubing to build bicycles of all types, from the premium to the most basic.

The cycle of progress never ends with our team of passionate individuals and champions who constantly innovate and adapt to the changing marketplace and rider needs. The best of Orbea is always in our work, and because of it we are always seeking new ways to improve and make the best bicycles on Earth.



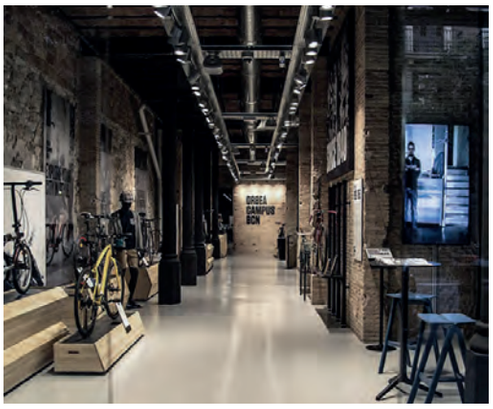
WE ARE ORBEA

WHERE ARE WE FROM

WE ARE EUROPE

When new markets emerged, when the American penchant for cycling exploded, and when the bicycle became an element of desire, the world gazed towards cycling's heartland for guidance, innovative products, and novel designs. They looked to Europe.

Orbea, as one of cycling's oldest companies, is one of the custodians of the old traditions, of the roots and heritage of the sport. Our long history has lent deep experience, where we've learned from our mistakes and capitalized on our success decades before the competition. It all started here, in the heart of Europe.









WE ARE THE BASQUE COUNTRY

The Basque Country has an innate passion for cycling, a perpetual love of the sport from edge to edge. It is a paradise for a cyclist to take on the road, on a bike sharing experiences with friends, but also a land of cycling champions and legends, who suffer to conquer the peaks. It's in this environment that Orbea has thrived, making cycling integral in the fabric of Basque Country society.

We saw the growth by the roadside of cycling for everyone, and we grew up riding an orange tide that arose in the valleys of the great mountains of the Pyrenees. Each Orbea retains something of our environment, the Basque Country , our mountains, our temperament, our spirit and our momentum. A responsibility to love< / strong> was born here, and our enthusiasm conquered the world.




BASQUE
COUNTRY
CYCLING


VISION

ORBEA TECHNOLOGIES

ORBEA's work model encourages workers' participation and integration. This way, everyone gets involved in the business projects carried out.

In addition, we promote training and innovation in both staff skills and technology, aimed at ongoing growth and improvement. At ORBEA we work together with a single goal: to guarantee maximum quality in all our products.

01.
CONSTRUCTION
OMR, OMP, OME

- Ordu
- Orca
- Avant
- Occam
- Oiz
- Alma

02.
ADVANCED DYNAMICS

- Rallon
- Occam
- Oiz

03.
UFO

- Occam
- Oiz

04.
BIG WHEELS CONCEPT

- Oiz
- Alma

Orbea technologies

ORBEA CARBON FRAMES

Of all the materials used to build bicycle frames, carbon composites offer the most advantageous blend of low weight, high strength and ease of manipulation. What we do with the composites – the selection of materials and how they are used – is key to the final result. Thoughtful design allows us to create a range of Orbeas that can be optimized for performance, comfort, ruggedness or value.

What are these considerations? How was the amazing “living” machine in front of you brought to life from a pile of fibers, resin and steel molds?





01 /

RELIABILITY
Eliminating bonded areas and molding frames in the fewest number of monocoque pieces increases strength. The lifetime warranty assures your Orbea will be a long-time companion.

02 /

LIGHTNESS
Optimized layups and careful blending of carbon fiber types reduces weight. Eliminating aluminum inserts and other pieces saves precious grams.

03 /

FULL CARBON
Engineering a frame that uses as much carbon as possible of course saves weight but it also contributes to the sophistication and refinement of Orbea Carbon Frames. Orbea Monocoque is not about shortcuts.

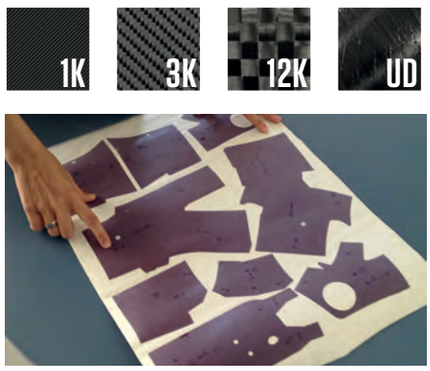
04 /

STIFFNESS
Single uniform structures are better optimized to resist deflection. By reducing the number of joints, larger carbon structures are tuned to deliver maximum stiffness without weight penalties.

MATERIALS AND PROCESS

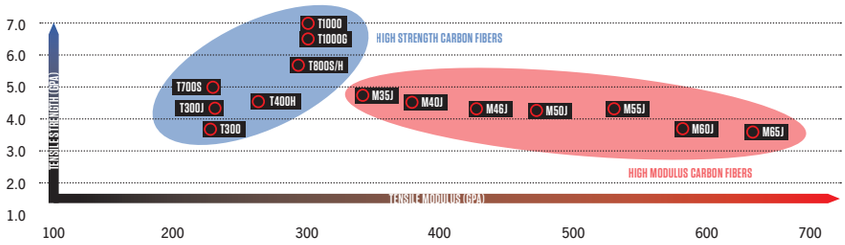
CARBON FIBER
Carbon fiber is available from relatively few sources with about three quarters of the raw materials used in bicycle manufacturing coming from three Japanese companies: Toho Tenax, Toray Industrial and Mitsubishi Rayon. These firms supply the familiar 1k, 3k, 12k weave and UD (unidirectional) carbon fibers used in the cycling industry and each manufacturer offers multiple grades of fibers with different costs and properties.

PREPREG
Carbon fiber typically comes in rolls of fabric that are pre-impregnated with resin, or prepreg. How much and what type of fiber or resin depends on the grade and intended use of the material. We use various grades of prepreg selected for tensile strength and tensile modulus. Tensile strength is the amount of force needed to cause the fibers to break and tensile modulus is a gauge of the material's stiffness.



To make the lightest frames, prepreg is laser-cut into shapes that use only the optimum amount of material

SAMPLE OF CARBON FIBER TYPES (SOURCE - TORAY INDUSTRIAL)



This sample diagram of products from Toray Industrial is a good illustration of the types of choices available to our carbon engineers. Orbea uses various grades of carbon from multiple manufacturers to tune the ride of each frame. Notice how extremely high-mod (stiff) fibers become less strong, so in order to take advantage of their properties it is necessary to blend them with more flexible, high-strength fibers.





LAYUP AND MOLDING

LAYUP
Because strength and stiffness are almost inversely proportional, it's critical to utilize different carbon types layered in different orientations depending on their location in the frame. Tuning this fabric layup allows more stiffness where needed and more strength in lightweight zones. We can make an extremely light and stiff frame for racing or adjust the blend to yield a tougher or more economical structure.

DIRECTIONAL STRENGTH
Since carbon fabrics are strongest along the length of the fibers this also means that uni-directional prepreg creates stronger frames than woven materials like 1k, 3k and 12k. When using woven carbon fiber, only half of the fibers are oriented so that forces act along their length. Orbea primarily uses unidirectional carbon fiber, only specifying woven prepreg layers where they offer mechanical benefits in the layup.

MOLDING
Orbea uses a variety of molding techniques depending on the level of the final frame, but all techniques utilize some type of expanding form that compresses against the prepreg layup inside a steel mold. The mold is heated to allow the resins in the prepreg layers to completely adhere to each other. The bladders and internal forms are removed after curing and frame finishing.

COMPACTION AND OPTIMIZATION

COMPACTION AND VOIDS
The primary goal when molding carbon is to achieve the highest-possible compression (compaction) that yields the fewest air pockets (voids) and wrinkles. Aerospace requirements dictate less than 1% void content. The cycling industry and Orbea achieve even lower: .5% -to .1%. While voids and wrinkles do not necessarily mean a low-quality product, devising techniques to reduce or eliminate them allows the use of less carbon without sacrificing strength.

Preforming – intermediate molding during the prepreg layup, improves compaction and using expanding forms shaped like the final product inside the mold instead of inflatable air bladders further reduces imperfections in the molding process.

MINIMAL BONDING
Since there are limitations on the complexity of a structure that can be successfully molded using current techniques, all monocoque bicycle frames in the market are actually made from several monocoque forms and bonded together. Eliminating bonded areas increases strength and enhances the ability to tune the characteristics of the completed frame, so Orbea frames are constructed from as few pieces as possible and then baked together to create one continuous shape. Our main triangles are always a single monocoque structure.



A polyurethane form helps improve compaction and reduce wrinkles in frames molded with bladders



The smooth interior surface of an EPS-molded frame

ORBEA MONOCOQUE FAMILIES

		ORBEA MONOCOQUE EVOLUTION (OME)	ORBEA MONOCOQUE PERFORMANCE (OMP)	ORBEA MONOCOQUE RACE (OMR)
CARBON TYPE	INTENDED QUALITY	Good	Better	Best
	FIBER GRADE	Standard	Standard + 5% High Strength/High Modulus	High Strength + 5% High Modulus
LAYUP	PREPREG SHAPING	Regular pattern shaping	Regular pattern shaping	Custom pattern shaping to reduce material
	PREPREG PIECES	160-170	150-160	<130
	PREPREG CUTTING	Standard	Standard	CAD laser cutting of complex shapes
	PREPREG OVERLAP	Overlapping > 10mm	Overlaping > 10mm	Control overlapping to reduce material, 5-7mm overlap
MOLDING	PRE-FORMING	2 hours preforming before molding	2 hours preforming before molding	6h hours preforming before molding
	MOLDING FORMS	Bladder	Bladder + polyurethane molds reduces wrinkles at HT/BB	Full EPS mold reduces wrinkles in entire structure





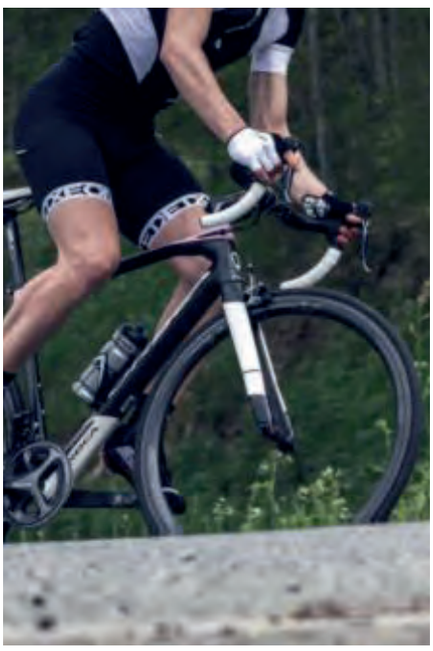


OME CARBON uses standard carbon fibers and a bladder molding construction that yields fewer voids than aerospace industry standards to reach an optimum balance of performance, durability and value.

OMP CARBON adds high modulus and high strength fibers to a standard layup to improve stiffness-to-weight ratios. Bladder molding with polyurethane headtube and bottom bracket inserts eliminates wrinkles in critical zones, allowing less carbon to be used while maintaining strength.

OMR CARBON blends high modulus fibers and high strength fibers exclusively. Prepreg carbon sheets are laser cut to minimize excess materials and overlap, and hours of premolding is done to ensure optimal compaction with the smallest amount of carbon. A full EPS (Expanded Polystyrene) mold is used to eliminate wrinkles and imperfections.









Orbea technologies

ADVANCED DYNAMICS

Advanced Dynamics transforms virtual designs into real, highly-refined machines – Bikes for demanding riders that are faster, more fun to ride and far beyond ordinary.



Advanced Dynamics is at the heart of every Orbea suspension bike. It is a process we developed in conjunction with CEIT (Centro de Estudios e Investigaciones Tecnológicas) that allows us to model and test our suspension platforms.

Using a vast database of shock tunes and component behaviors we can study a design under a virtual rider that exerts forces on the pedals, saddle and handlebars.

We can shape the simulations to evaluate different variables – rider height, weight, riding style – on different tracks. Even tire pressures can be tested and recorded before a welding torch is lit.

DATA COLLECTION/VIRTUAL MODELING

DESIGN OPTIMIZATION THROUGH SOFTWARE

PROTOTYPING/SUSPENSION TUNING

Orbea technologies

UFO

We've done away with the pivot point at the rear axle. The flexible seatstay UFO technology developed for our World Championship-winning Oiz has been adopted for the new Occam. With this innovation, we make an ultralight bike that requires little maintenance and is laterally stiffer for precision like you've never felt in a full suspension bike.

The secret lies in the shape and materials. When properly handled, carbon can be bent. We placed the fibers and shaped the seatstays in such a way that they are allowed to flex without a pivot but deformation doesn't ever approach the critical point. This technology, which has been long in use in F1 cars, delivers unrivaled weight-stiffness balance.

UFO SAVES ALMOST 140G

AND RESULTS IN A FASTER BIKE.

OIZ

OCCAM



The swingarm is at rest in a neutral shape



The swingarm flexes upward as the linkage moves

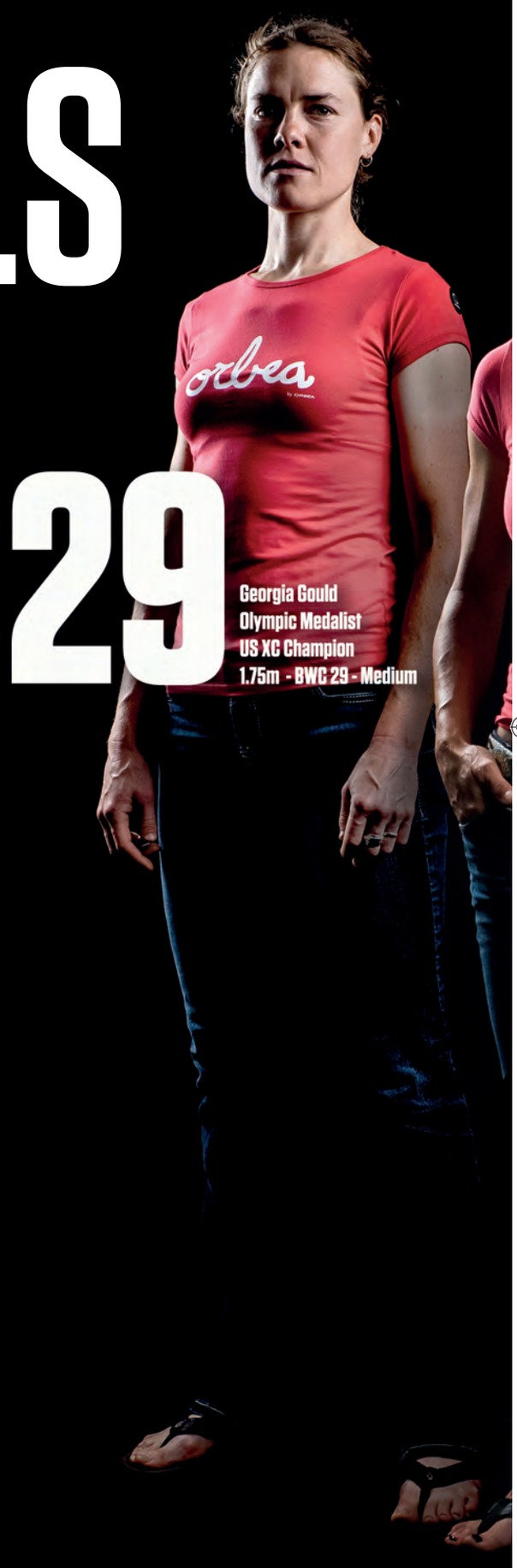


Total deflection of the swingarm requires less than 5kg of force on the saddle compared to 250kg required to fully compress the shock.



Orbea technologies

BIG WHEELS CONCEPT

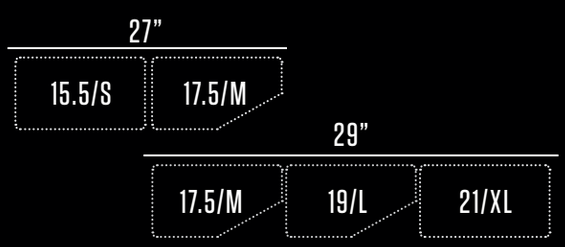


Orbea's Big Wheels Concept (BWC) is simple...

Instead of trying to squeeze everybody on a single wheel size, we offer Big Wheels that are scaled to fit riders of any height. The evolution of XC riding has shown that big wheels are better for the huge majority of riders. 29" and 27.5" wheels are the overwhelming choice for the comfort, stability and speed they impart on the trail. And while it's readily apparent that taller riders can easily achieve a comfortable and efficient fit on our Medium, Large and XL Alma and Oiz frames with 29" wheels, what about those riders who are looking for the speed of a big wheel but struggle with the considerable stack height of even the smallest 29er frames?

Our BWC offers six frames in two wheel sizes – Small, Medium and Large frames with 27.5" wheels, Medium, Large and XL frames with 29" wheels. Our consistent and proportional stack and reach measurements guarantee that every rider experiences our legendary XC ride quality in a svelte, fun and fast bike regardless of frame size or wheel size.

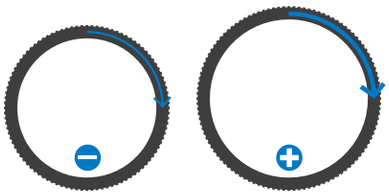
Don't take our word for it, ask the bad-ass women of Luna Chix who win races on Orbea's BWC bikes every weekend how they feel about riding big wheels that are scaled to fit correctly. Then visit your dealer to compare the Alma and Oiz to any other XC bikes and experience the Big Wheels Concept in action.

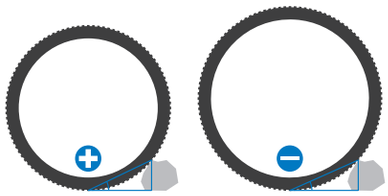


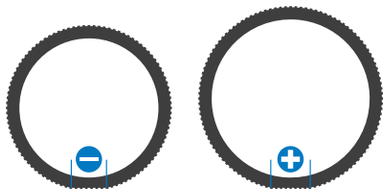

orbea
27.5
Katerina Nash
XC World Cup Winner
Czech Republic XC Champion
1.63m - BWC 27.5 - Small
ORBEA
MAXXIS
FOX


FOX
MAXXIS

BIGGER IS BETTER







INCREASED MOMENTIUM
A larger wheel is slower to accelerate but conversely it is more resistant to losing speed once it is moving. The momentum of a larger wheel is perfect for maintaining flow through rough terrain. If there are quick changes in tempo, 27.5 has the edge over 29. If the course allows for a more uniform speed, 29 is faster.

DECREASED ANGLE OF ATTACK
A larger wheel rolls over obstacles better because the angle of attack is smaller. Another way to think of this is to imagine that the same size rock "looks bigger" to a smaller wheel. Similarly, a larger wheel can smooth out bigger holes or bumps in the trail.

INCREASED TRACTION
A larger wheel has a bigger contact patch on the ground, which means more traction. Several more knobs are digging into the ground at any one time, increasing cornering and braking traction.

TRAIL RESPONSE

With the extinction of performance 26" XC bikes approaching, 27.5" has stepped in. It gives noticable benefits in important areas over 26" and minimizes drawbacks of a larger wheel because frame geometry can be almost identical to the smaller wheel bike. 29" still reigns supreme in many desireable attributes even without the same agility as bikes with smaller wheels.

If you can ride a 27.5 BWC or 29 BWC bike, which should you choose? It all comes down to trail response - what type of bike matches your riding style? Below are a few important aspects to be considered and the sizes are ranked accordingly.

		26*	BWC 27 - 2015	BWC 29 - 2015	
CHARACTERISTICS	AGILITY & ACCELERATION	★★★★★	★★★★	★★★	Tight turns and rapid accelerations
	STABILITY	★★★	★★★★	★★★★★	Easy tracking in rough terrain and flat, loose turns
	MOMENTUM & SPEED	★★★	★★★★	★★★★★	Maintaining maximum speed through obstacles
	STIFFNESS	★★★★★	★★★★★	★★★★	Resistance to flex and maximum power transfer
	SMOOTHNESS	★★★	★★★★	★★★★★	Greater comfort and reduced fatigue
	SMALL RIDER FIT	★★★★★	★★★★★	★★★★	Low stack and short reach for a great fit for shorter riders
	TALL RIDER FIT	★★★	★★★★	★★★★★	Taller stack and longer reach for a great fit for taller riders
		*DISCONTINUED			




ADVENTURE
BEGINS HERE
ORBEA

ORBEA WARRANTY

Orbea has developed new services to show our users they can always rely on us. When you activate your Orbea warranty, you will have faster, easier access to us.

EXTENDED WARRANTY

Orbea offers an extended warranty for bike frames and stiff forks. It covers the items after the warranty in the country of purchase expires (three years for paint defects).

Find all the details at: www.orbea.com/warranties.

To activate your extended warranty, please register your bike within 30 days of purchase. You will need your purchase invoice too.

To register your bike, go to: www.orbea.com/warranties.



NEW ACCIDENT POLICY

If your Orbea frame or rigid fork gets cracked or broken in an accident unrelated to manufacturing defects, you can buy a similar frame or fork at a discount, under the following terms:

0-12 months: 50% off retail price.
13-24 months: 40% off retail price.
25-36 months: 30% off retail price.

Service available for OME, OMP, OMR and Rallon frames.

To activate your extended warranty, please register your bike within 30 days of purchase. You will need your purchase invoice too.

To register your bike, go to: www.orbea.com/warranties.

NEW EXTENDED WARRANTY

If you want to extend the coverage of your Orbea warranty, you can protect your frame and fork against dents, cracks or breakage for the first 12 months.
When you buy your Orbea bike or frame, get your Orbea extended warranty only at www.orbea.com.

Extended coverage price by type of bicycle or model:

1. €29 (OME or Rallon quality: Avant, Ordu, Rallon, Occam, Loki)
2. €39 (OMP quality: Orca Avant, Ordu, Alma, Oiz)
3. €49 (OMR quality: Orca, Alma, Oiz, Occam, Loki)

The following amounts shall be paid when the warranty is used:

1. €250 (OME or Rallon quality: Avant, Ordu, Rallon, Occam, Loki)
2. €300 (OMP quality: Orca Avant, Ordu, Alma, Oiz)
3. €350 (OMR quality: Orca, Alma, Oiz, Occam, Loki)

Service available for OME, OMP, OMR, Rallon and Loki frames..

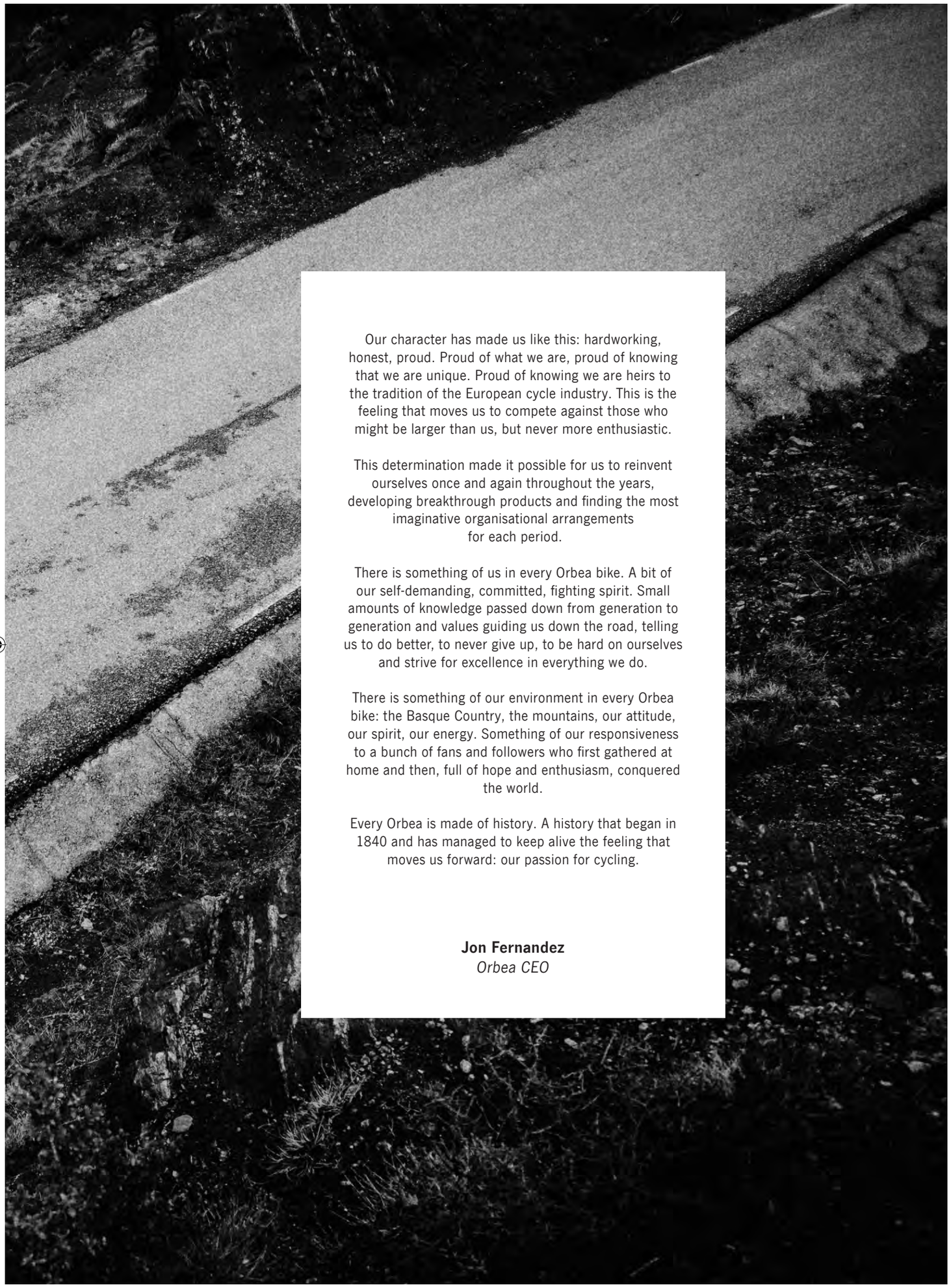
The extended coverage will be valid for the first 12 months after purchase of the original frame. You can have two extended coverages per original frame (not renewable for a third time).

To activate your extended coverage, please register your bike within 30 days of purchase and make your payment. You will need your purchase invoice for the service too. To register your bike, go to: www.orbea.com/warranties.

TERMS AND CONDITIONS OF SERVICE

· Frame replacements or frames purchased under extended warranty will be similar to the broken frame being replaced.
. Workmanship to assemble the new frame or fork shall be paid for by the user.
. The shipping costs of the new frame shall be paid for by Orbea. If the frame is delivered to a dealer other than the original one, Orbea reserves the right to pay for shipping costs.
. The new frame will be purchased and delivered after the original, broken, frame is returned.
. Accessories are not covered by the extended warranty.
. The Orbea accident policy will be valid from the date of purchase of the original frame. Up to two extended coverages will be available per original frame (not renewable for a third time).
. The coverage will be valid from the date of purchase of the original frame. Up to two extended coverages will be available per original frame (not renewable for a third time).
. The new extended coverage will only be available through online payment at www.orbea.com.





Our character has made us like this: hardworking, honest, proud. Proud of what we are, proud of knowing that we are unique. Proud of knowing we are heirs to the tradition of the European cycle industry. This is the feeling that moves us to compete against those who might be larger than us, but never more enthusiastic.

This determination made it possible for us to reinvent ourselves once and again throughout the years, developing breakthrough products and finding the most imaginative organisational arrangements for each period.

There is something of us in every Orbea bike. A bit of our self-demanding, committed, fighting spirit. Small amounts of knowledge passed down from generation to generation and values guiding us down the road, telling us to do better, to never give up, to be hard on ourselves and strive for excellence in everything we do.

There is something of our environment in every Orbea bike: the Basque Country, the mountains, our attitude, our spirit, our energy. Something of our responsiveness to a bunch of fans and followers who first gathered at home and then, full of hope and enthusiasm, conquered the world.

Every Orbea is made of history. A history that began in 1840 and has managed to keep alive the feeling that moves us forward: our passion for cycling.

Jon Fernandez
Orbea CEO

HEADQUARTERS

ESPAÑA
Orbea S.Coop.
Polígono I. Goitondo. 48269 Mallabia (Bizkaia)
Tlf. +34 943 176 036 – +34 943 176 066
Fax. +34 943 174 683
e-mail: orbea@orbea.com
www.orbea.com

OFFICES AND AGENTS

AUSTRIA
Funbike Gmbh
Halleiner Landestrasse, 116
A-5412 Puch bei Hallen
T. +43-6245707070
e-mail: office@funbike.at
www.funbike.at/

BELGIUM
Orbea Belgique.
5, Rue du Berlicot
4219 Meeffe
T. +32 (0) 475 745 389
F. +32 (0) 81 879 423
e-mail: info@orbea.be
www.orbea.com

Credo bvba
Beekstraat 52B
3051 Sint Joris Weert
T. +32 476 41 39 22
e-mail: info@credo-groep.be,
www.orbea.com

CARIBE
Orbea U.S.A.
119 Main Street. Little Rock, AR 72201
T. 5012809700 / 8884667232 • Fax 5013251142
e-mail: usa@orbea.com
www.orbea.com

FRANCE
Orbea France
Technopole Izarbel. 243,
Allées Théodore Monod
64210 Bidart
T. + 33 05 59 59 22 12
F. + 33 05 59 41 06 21
e-mail: cremazeilles@orbea.com
arancon@orbea.com
orbea@orbea.com
www.orbea.com

GERMANY
Orbea S.Coop.
Polígono I. Goitondo,
48269 Mallabia (Bizkaia)
T. +49 231 988 198 69 /
+34 943 176 036
F. +34 943 174 683
e-mail: orbea@orbea.com
www.orbea.com

GREAT BRITAIN
Orbea S. Coop
Poligono Goitondo
48269 Mallabia (Bizkaia)
T. +44 20 3627 0549
e-mail: uk@orbea.com
www.orbea.com

HOLLAND
Orbea S. Coop
Poligono Goitondo
48269 Mallabia (Bizkaia)
e-mail: orbea@orbea.com
www.orbea.com

IRELAND
Orbea S. Coop
Poligono Goitondo
48269 Mallabia (Bizkaia)
T. +44 20 3627 0549
e-mail: uk@orbea.com
www.orbea.com

ITALY
Orbea Italia.
Vía Pompeo Licinio 134/A
00178 Roma
T. + 39 3465134458
e-mail: orbea@orbea.it
www.orbea.com

PORTUGAL
Orbea Portugal.
Rua Joaquim Valentim Correia,
13 Cruz de Pau. 2845-584 Amora
T. +351 93 162 34 87 / +351 30 880 01 84
e-mail: nlopes@orbea.com
www.orbea.com

U.S.A
Orbea U.S.A.
119 Main Street. Little Rock, AR 72201
T. 5012809700 / 8884667232 • Fax 5013251142
e-mail: usa@orbea.com
www.orbea.com

DEALERS

ANDORRA
Esports Jorma.
Av. Francesc Cairat 6
25191 Sant Julia de Loria
T. + 376844133
F. + 376843022
e-mail: info@jormabike.com

ARGENTINA
Ride A Bike Srl.
Av Libertador 14070 Martinez
Buenos Aires
T. + 5411 4792 3560
e-mail:pablo@rideabike.com.ar

AUSTRALIA & NZ
Bike Box
7/136 Cochranes Rd,
Moorabbin VIC 3189
Fax: 03 9555 5511
T. +61 (03) 9555 5800
www.bikebox.com.au

BAHRAIN
Eurocycles. P. O.
Box 31365. Budaiya
T. +973 17694981

BOLIVIA
Becar Repuestos Srl
Av. Cañoto Esq Florida Nº189
Box 1634 Santa Cruz
e-mail: ronald@becar.com.do
T. 591 33332767

BRASIL
D. N. Ferreira Comercio
Importacao e Exportacao
Rua Dona Francisca,6750 Sala C
Bairro Zona Industrial Norte
89219-530 Joinville SC
T. +55 11 22642143

CANADA
FGL Sports Ltd
824 41st Avenue NE
Calgary, Alberta
T2E 3R3
T. 4037171400
www.fglsports.com

CHILE
Andes Industrial.
Santa Elena nº 1511
Santiago de Chile
T. +56 2 7191100
e-mail: ruribe@andesindustrial.cl
www.andesindustrial.cl

Rafael Burgos S.A
Arturo Prat Nº1032
8330972 Santiago de Chile
T. (56-2)25200600

COLOMBIA
Bicicletas Milan.
Boulevard Santande Nº16-03
Bucaramanga
T. +57 1 6711707
e-mail: purchase@milancorporation.com
www.bicicletasmilan.com

COSTA RICA
El Sprinnter. SA.
Parque Condal, Bodega 12
Colima de Tibas, San Jose
Apto Postal 169. 1150 La Uruca
T. +506 2248 0409
F. +506 2248 0418
e-mail: elsprinter@racsa.co.cr

CYPRUS
Awol -Adventure Without Limits.
Laodikias 21a, Strovolos 2028. Nicosia
T. 00 357 22 106367 / 00357 99 894394
F. 00357 22 499396
e-mail: awolcy@gmail.com
www.awolcy.com

CZECH REPUBLIC
Moravcik Zdenek.
Uzavrena, 16/7.
56802 Svitavy
T. +420.461.619957
F. +420.4619957
e-mail: info@orbeacz.eu
web: www.orbea.cz

DENMARK
Marker Scandinavia.
Ledreborg alle 10 Dk - 4320 Lejre
T. +45 - 70228075
email: info@marker-scandinavia.com
www.marker-scandinavia.com

ECUADOR
Globalsport Investment
Av. Quinta y Calle 8 - Nave 3
T. 507 4744479

EGYPT
Abou El Goukh Commercial Firm.
76 El Gomhoria St Down Town Cairo
T. +20225932087
F. +20225915011
e-mail:abouelgoukh@hotmail.com
www.abouelgoukh.com

EL SALVADOR
Xtremevelo Sa De Cv
C/ Chiltiupan Pol D-2 Local 40
Colonia Jardines del Volcan
Santa Tecla
T. 614 10180131033

ESTONIA
X-Sport Baltic OÜ
Turu plats 5/7
Tallinn 1161
T. +3726504088
email: info@x-sport.ee

FAROE ISLANDS
Karl Johannesen
Vijormsgota 5
FO- 188 Hoyvik
T. +298 521339
email: karani@kallnet.fo

FINLAND
Finmebli Oy.
Ruukuntekijäntie 10 A7
01600 Vantaa
T. + 358 400 604545
F. + 358 9 3421865
e-mail: juha.jarvinen@finmebli.fi
www.kolumbus.fi/finmebli

Pyyntitie, 1 B
02230 Espoo
Finland
T. +358 9 863 7507
e-mail: jari.kolulainen@soloi.fi
www.soloi.fi

GREECE
Active Zone Network Ltd.
Mystra. Varis Koropiou & Makedonias, 2
16672 Vari
T. +30 210 961 29 29
F. +30 210 961 25 20
e-mail: info@activezone.gr
www.activezone.gr

HONDURAS
Honduciclo
3 Calle N.O. 12-13
Ave.Barrio Los Andes
San Pedro Sula
+ 504 99843875

HONG KONG
WBHK Trading Limited
D01, 17/ F, TML Tower, No.3 Hoi Shing Road, Tsuen Wan, New Territories, Hong Kong.
Tel: 852 5598 1307
tonyho@wbhktrading.com>
www.wbhktrading.com

HUNGARY
Bike Art Center Kft.
Csalogány U. 23-33
1027 Budapest
T. +36 1 226-3643 / +36 20 9344-000
e-mail: info@bikeart.hu
zsoltf@t-online.hu

INDONESIA
Pt. Topindo Lucky Sports
The Bellezza Shopping Arcade, Jl. Arteri Per- mata Hijau No.34
12210 South Jakarta
T. (62) 85691718292
email: sales@topindosports.com

ISLANDIA
Sporthjol Ltda
Tjarnabakki, 3
IS-260 Reikiavik
T. +35 48241144
email: jonoddur@mitt.is
www.orbea.com

JAPAN
PODIUM Inc
Kitanoshonishi-Machi 2-8-15
Nara-Shi, Nara 630-8452
Ph. 81-742-64-3555
www.podium.co.jp

KAZAJSTAN
Megasport. Dostarmedia Ltd.
Zhenis ave. 1 VP-59
010000 Astana
Kazakhstan
Info@megasport.kz
T. +7-7172-44-55-71

KUWAIT
Bike Shop V.i.b Bikes
Salmiya - Hamad Al Mubarak street
State of Kuwait
T. 24914004-99778766
https://www.facebook.com/VibBikes

LATVIA
Sia “Iks Sports”.
Dzutas Str. 8
Riga . 1006
T. +371 675 45537
F. 0037167545523
www.xsports.lv

LITHUANIA
Uab “Velomanija”.
Laisves Al. 12 / Vytauto Pr. 66. 44215, Kaunas.
T. +37037206049
e-mail: justas@velomanija.lt
www.velomanija.lt

MALTA
Edward Borg.
70, Flat 4, Charles Court. Tigne Street. Silema.
T. +35699457695.
F. +35621320553
e-mail: tediborg@gmail.com
www.wheelwizardmalta.com

MÉXICO
Ciclismo Extremo S.A.
Av. División Del Norte 2957.
04330 Colonia Rosedal Coyoacan.
Mexico D.F.
T. +52 (55) 5549 5291
F. +52 (55) 5549 0789
e-mail: contacto@viansi.com
www.viansi.com

PANAMÁ
Cubexbike S.A.
Av B. Nº60. Costa Del Este.
0823-01887 Panama City
T. + 5072714873 / 5072714868
F. +507 3912510
e-mail: cubexbike@cableonda.net
www.cubexbike.net

PARAGUAY
Cyclesport
Av. Primer Presidente 1854
Asunción, Paraguay
T. + 5072714873 / 5072714868
F. +595- 21-608915
e-mail: rrpp@cyclesport.com.py
www.cyclesport.com.py

PERÚ
Cycling.
Av Tomas Marsano
2851 Higuereta,Surco
T. + 551 271 0247
email: veronica@cycling.com.pe
www.cycling.com.pe

PHILIPPINES
Bike King.
B.1 Bonifacio High Street.
Fort Bonifacio Taghig City (Metro Manila)
T. +63 918 9791357
email: raulm4@yahoo.com

POLAND
Polsport Group Sp.
Z O.O.Ska. Ul. Wilgowa 65a,
42271 Czestochowa
T. / F. +48 34 366 0456
www.pol-sport.com

REPUBLICA DOMINICANA
Bici Centro Srl
Av. Bartolome Colon, Nº25
Santiago
8095824146

RUSSIA
Uventa Sport
10 Maksimova Str.
Moscow 123098
T. +7 499 196 3127
www.uventasport.ru

Sitius
Eniseyskaya Street House 1
129344 Moscow
T. 7-499 7137422
www.orbea.ru

SINGAPORE/MALAYSIA
Boon Bike Supply.
488 Changi Road,
Singapore 419898
T. 65-62428488
F. 65-62428488
email: sales@boonbike.com
www.boonbike.com

SLOVENIA
Primoz Strancar S.P.
Slejkkoti 2.
5270 Ajdovscina
T. 386-41429728
e-mail: primoz.strancar@orbea.si

SOUTH AFRICA
Fluidlines Sporting
Unit 15, Gants Plaza
7130 Strand (Strand)
T. +27 21 853 0000
F. +27 21 853 0001
email: info@fluidlines.co.za

SOUTH KOREA
Cephas Corporation
507 Mega Center SK@ Techno Park
190-1 Sangdaewon 1-Dong, Jungwon-Gu,
Seongnam-Si, Kyonggi
T. 82317760360
F. 82317760354
e-mail: ykkim@cephas.kr

SWEDEN
Bikesport
Fiskaregr.7
21838 Bunkeflostrand (Sverige)
T. +46 40 631 57 10
e-mail: martin@bikesports.se
www.bikesports.se/

SWITZERLAND
Platts LTD
Case Postale 1293
2501 Biel-Bienne
T. +41 32 3313101
www.platts.ch

TAIWAN
Orbea Taiwan
No. 156, Longmen Road, Situn Dist.,
Taichung City 40755, Taiwan, R.O.C.
T. +886 4 22587728
e-mail: service@orbea.com.tw
www.orbea.com.tw

THAILAND
Central Bike Co., Ltd
30/1 Soi intramara 22 Suthisarn Rd.
Dindang Dindang Bangkok 10400
T. 085-098-0777
email: Sales@centralbike.co.th

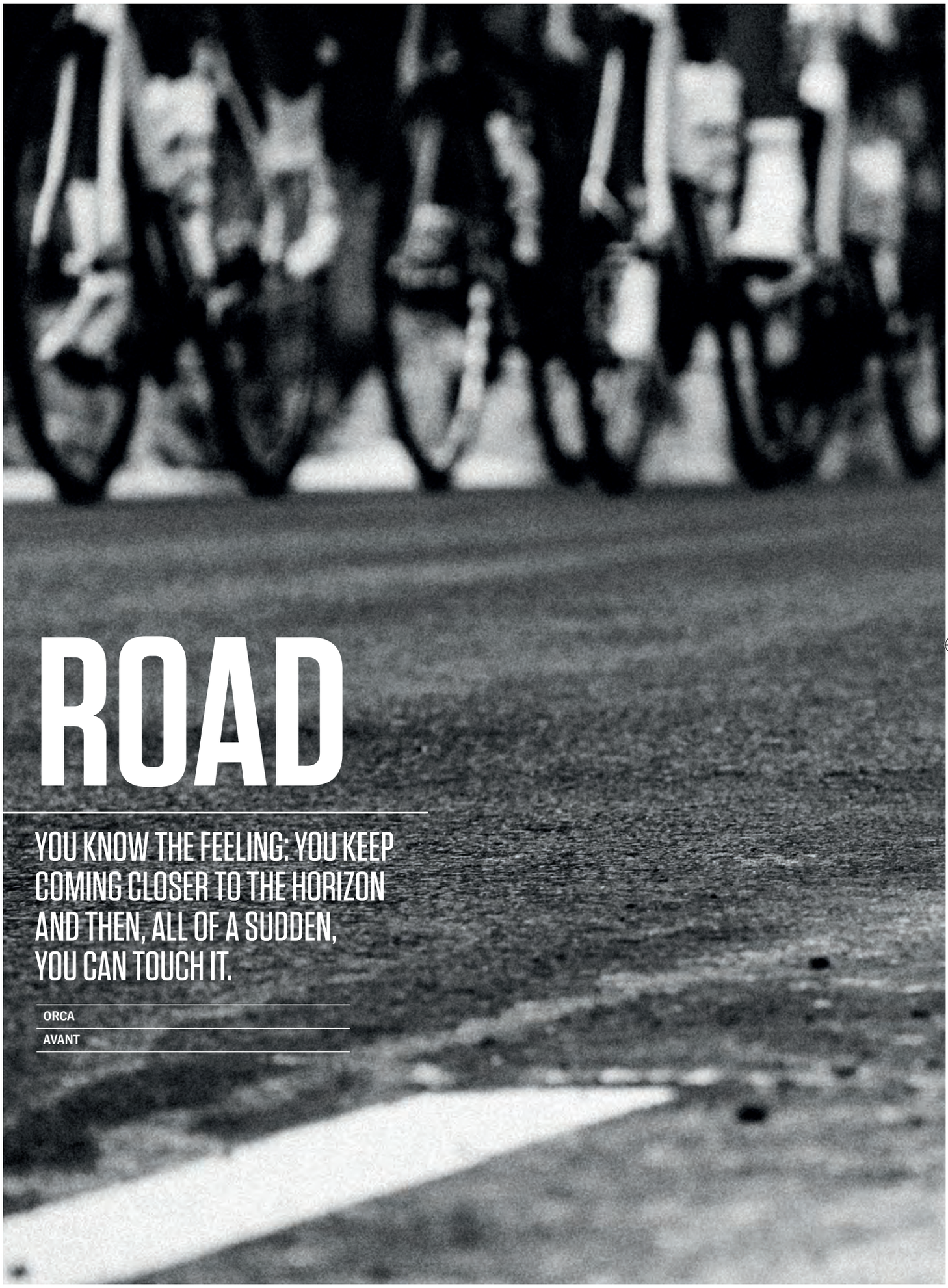
TURKEY
Prana Danismanlik Ve Dis Ticaret Ltd Sti
Opr.cemil Topuzlu Cd. Ege Apt.69/2
Göztepe, Kadiköy
34730 Istanbul
T. 90 2163026268

UKRAINE
Bike Summit.
Moskovskaya Str. 43/11
01015 Kiev
T. 044-2280733
www.bikesummit.com.ua

URUGUAY
MotocicloSports Bike&Run.
Miguel Barreiro 3243, Montevideo
T. +598 27069918
email: orbea@motociclosports.com.uy
www.motociclosports.com.uy

VENEZUELA
Santa Barbara Elite Bikes C.A,
Av. Miranda C/C Piar N 17-57 Valencia
T. +58 4145960470

VIETNAM
Tan Thanh My Trad&tourism Serv
278 Pho Hue- Hai Ba Trung
Ha Noi (Vietnam). Vietnam
T. 84 90323 0660



ROAD

YOU KNOW THE FEELING: YOU KEEP COMING CLOSER TO THE HORIZON AND THEN, ALL OF A SUDDEN, YOU CAN TOUCH IT.

ORCA

AVANT




Cofidis
solutions crédits
GIANT
ITERA

CONQUER MOUNTAINS, CLIMB PODIUMS.

Luz Ardiden. Alpe d'Huez. Empire. Mortirolo. Flagstaff. Marmolada. Hautacam. Lagos de Covadonga. Galibier. Angliru. La Linea. Navacerrada. Arrate. Urkiola. Maybe you've experienced some of these cycling monuments. Perhaps they are only jagged lines on the maps and stage profiles of your imagination.

The emotion is inescapable – these names incite passion and memories of heroic struggles between the giants of cycling, impossible feats made painfully real by competitors who refused to surrender. It's these storied climbs and the riders who made them sacred that inspired the newest Orca. An Orca born from competition and love of cycling, ready to write history on pavement everywhere.

Orca

WHAT MAKES THE ORCA UNIQUE?

The startlingly large downtube and chainstays of the new Orca provide incredible strength and stiffness while the top tube and seat stays are tuned to almost nothing – the primary purpose of their slender shapes: to reduce mass. The whole is greater than the sum of the parts – an 900g frame with a ride quality that is almost revolutionary.

01/ LIGHTER

02/ STIFFER

03/ RIDE QUALITY

04/ RACING GEOMETRY


Cofidis
Cofidis
187
#RIDEFIGHTWIN
ORBEA
Cofidis

20% LIGHTER

Reducing frame weight is an elusive goal. It's fairly simple to cut weight from a heavy frame – quite difficult to trim even a hundred grams from a structure that is already very lean.

It became our mantra when creating the new orca: if a design feature was not vital to stiffness and ride quality, that element must be reshaped or eliminated to reduce frame weight.

· Orbea OMR and OMP carbon fiber. Orbea uses non-conventional and exclusive carbon fibre to aim optimal ratio of weight and stiffness according to our design. OMR and OMP fibres are already 25% stronger on impact than conventional fibres that combined in monocoque structure certifies Orbea Long Life Warranty.

OPTIMIZED SHAPING

The seat stays of the new orca are much thinner, the cross-sections and diameters reduced to provide graceful support for the seat tube and nothing more. The hybrid square-round shaping of the seat tube places material only where needed, a 27.2mm seatpost offers the lowest weight and smoothest ride. The top tube is robust at the head tube where it contributes to torsional stiffness, but quickly tapers to eliminate unnecessary material.

EPS CONSTRUCTION

EPS is a construction process that further saves weight by eliminating waste or variation inside the tube. The carbon is compressed more efficiently in the mold without the need for traditional bladders. This means that less material can be used while maintaining or even increasing strength.

ALUMINUM REDUCTION

The number of aluminum inserts has been minimized and the pieces have been redesigned to eliminate unwanted bulk. A traditional seat collar replaces the aero collar of the 2014 Orca.



WEIGHT REDUCTION FOR ORCA OMR AND OMP

OMR CARBON (Orbea Monocoque Race)
OMR carbon layup consists of custom high modulus fibers that create extremely rigid structures. When combined with low-unit-weight fibers, they result in frames with the best stiffness-to-weight ratio.



ORCA RACE (OMR) | *53cm frame weight*

232G
20% LIGHTER

OMP CARBON (Orbea Monocoque Performance)
OMP carbon layup consists of custom high modulus fibers that provide stiffness blended with lower modulus fibers that improve vibration absorption for maximum efficiency and toughness.



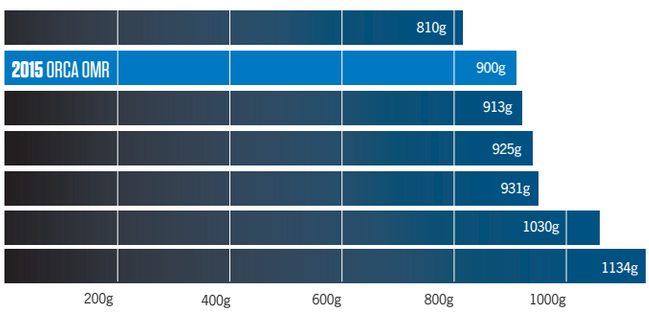
ORCA PERFORMANCE (OMP) | *53cm frame weight*

180G
15% LIGHTER

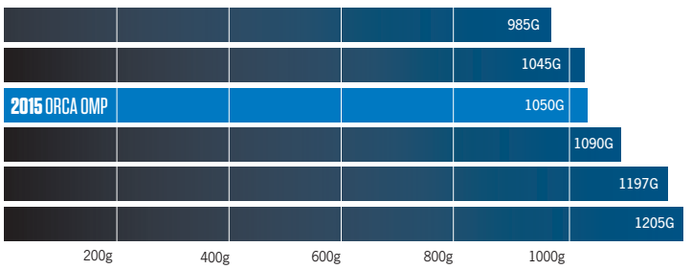
HOW DOES THE ORCA STACK UP TO THE COMPETITION?

We selected different frames with different carbon levels-types to conpare with our frames.

OMR & SIMILAR MODELS



OMP & SIMILAR MODELS



24% STIFFER

OVERSIZED SPINE

The large majority of torsional and lateral loads are handled by the lower half of any frame. The headtube, downtube and chainstays must resist twisting and transmit the power generated by your legs to the rear wheel. There is no doubt about it, this resistance to flex translates directly to more watts on the road.

WIDER BB SHELL

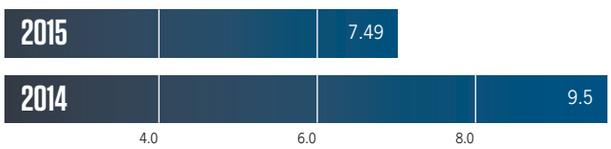
The new Orca displays massive tube cross-sections in the critical bottom bracket junction, made possible by a wide PF86 bottom bracket shell. The larger diameters increase efficiency and rigidity without adding weight since the material thickness can be reduced while maintaining the same strength.

EPS CONSTRUCTION

EPS is a construction process that further saves weight by eliminating waste or variation inside the tube. The carbon is compressed more efficiently in the mold without the need for traditional bladders. This means that less material can be used while maintaining or even increasing strength.

24% INCREASE IN LATERAL RIGIDITY

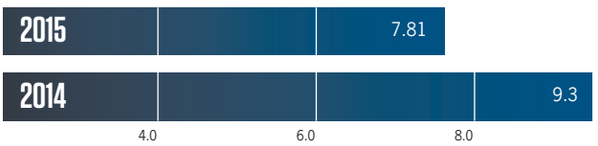
OMR CARBON (Orbea Monocoque Race)
OMR carbon layup consists of custom high modulus fibers that create extremely rigid structures. When combined with low-unit-weight fibers, they result in frames with the best stiffness-to-weight ratio.



FRAME DEFLECTION (MILLIMETERS)

2.01MM
26% STIFFER

OMP CARBON (Orbea Monocoque Performance)
OMP carbon layup consists of custom high modulus fibers that provide stiffness blended with lower modulus fibers that improve vibration absorption for maximum efficiency and toughness.



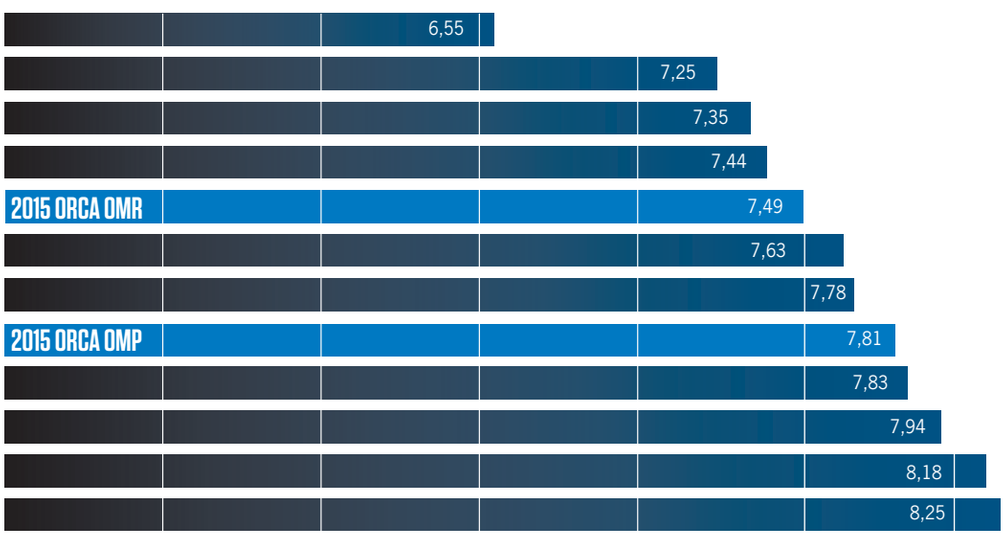
1.49MM
19% STIFFER

HOW DOES THE ORCA STACK UP TO THE COMPETITION?

We all want to know how we compare to the competition, whether on the road or in the lab. During development of the new Orca, we tested our frames against popular models from several major manufacturers. We selected top-shelf racing frames that compete with OMR as well as models that compare to performance-oriented OMP.

The bottom line? There are many fantastic bikes out there and we are pleased that Orca is among the best in every test, including frame weight for both models.

OMR VS THE COMPETITION



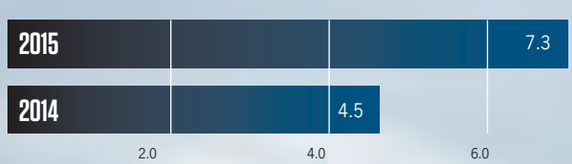
FLESSIONE DEL TELAIO (IN MILLIMETRI)

62% MORE EFFICIENT

THE STIFFEST BIKE AVAILABLE IS NOT THE BEST BIKE

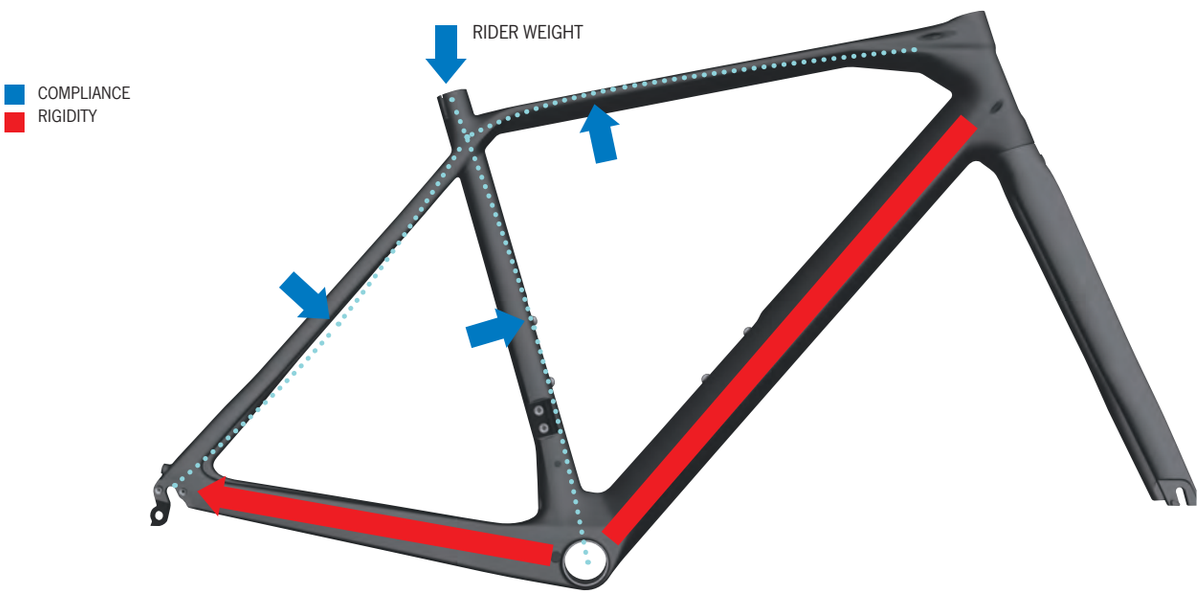
Ride quality - Smoothness - is an elusive blend of elements and careful planning that results in an Orca that is a joy to ride. This is a concept that we have borrowed from our World Cup-winning Alma mountain bike and adapted for use in the 2015 Orca. Studying the way the frame behaves under a rider's weight is beneficial to tuning the way bumps or vibrations are transmitted through the frame. The efficiency of the bottom bracket area contributes the feel that the bike is responsive, that power transfer is instantaneous.

The natural flex patterns created by the carbon layup and structure in the top tube and seat stays deliver an efficient, smooth ride that feels like floating over rough roads. The sensation is subtle - but it is noticeable and can be tested. And at the end of a gruelling climb it could make the difference between the podium and the consolation prize.



2.8MM
62% MORE EFFICIENCY

THE STIFFEST, LIGHTEST, MOST AERO BIKE AVAILABLE IS NOT THE BEST BIKE. AN ELUSIVE BLEND OF ELEMENTS.



ROAD SURFACE AND
VIBRATION ABSORPTION



+4 WATTS

Negative forces → → 40 KM/H



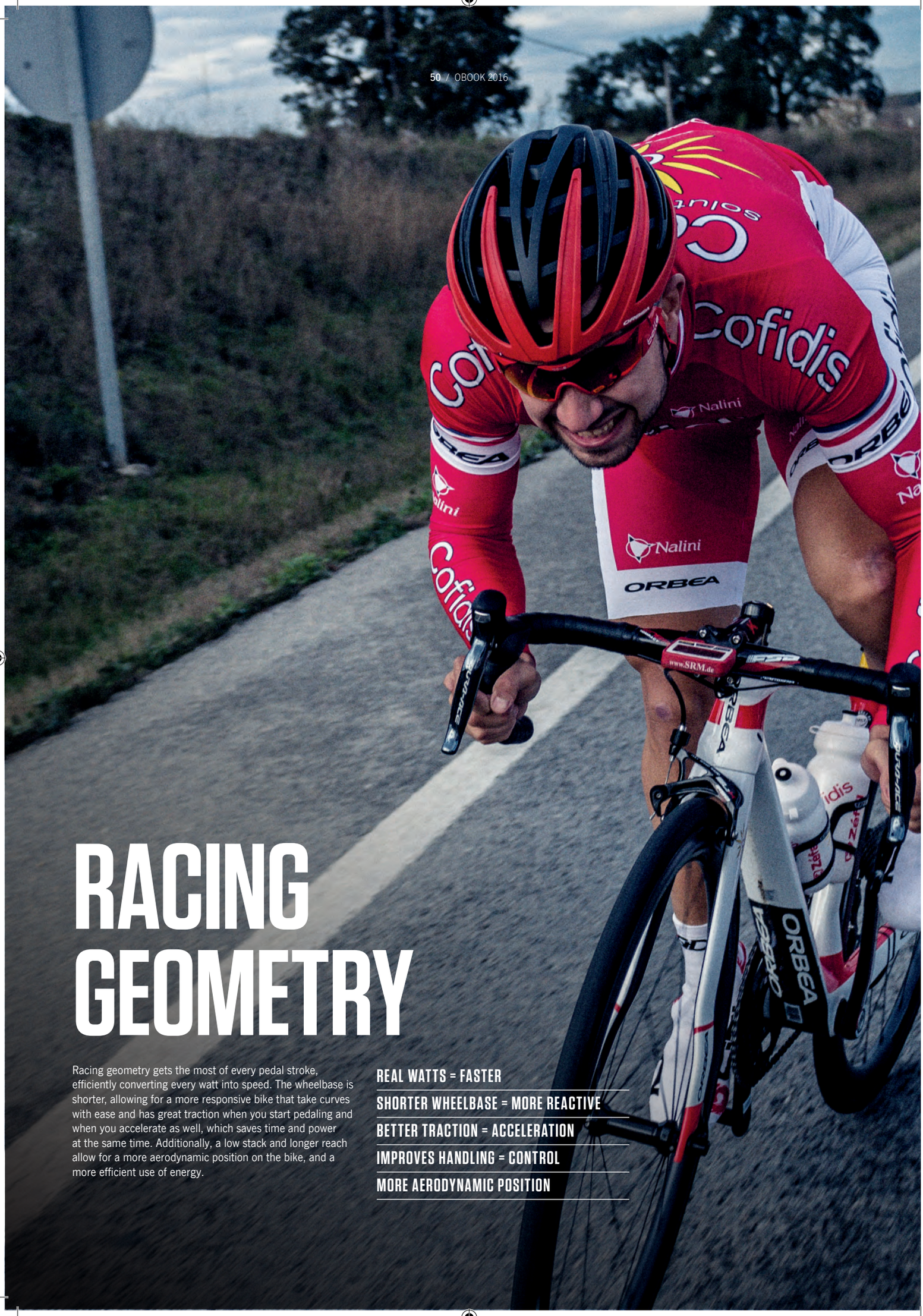
+6 WATTS

Negative forces ↗ ↗ 40 KM/H



+10 WATTS

Negative forces ↗ ↗ 40 KM/H



RACING GEOMETRY

Racing geometry gets the most of every pedal stroke, efficiently converting every watt into speed. The wheelbase is shorter, allowing for a more responsive bike that take curves with ease and has great traction when you start pedaling and when you accelerate as well, which saves time and power at the same time. Additionally, a low stack and longer reach allow for a more aerodynamic position on the bike, and a more efficient use of energy.

REAL WATTS = FASTER

SHORTER WHEELBASE = MORE REACTIVE

BETTER TRACTION = ACCELERATION

IMPROVES HANDLING = CONTROL

MORE AERODYNAMIC POSITION

SMART SIZING TO FIT THE WIDEST RANGE OF MEN AND WOMEN

Stack and reach are important measurements because they define the spatial relationships of two important contact points between your body and the bike – pedals and handlebars. Stack is the vertical distance from the center of the bottom bracket to the top of the headtube. Reach is the horizontal distance from the center of the bottom bracket to that same point - the top center of the headtube.

An understanding of stack and reach can explain why many small bikes don't fit well. There are instances in the market when the smallest sizes do not offer shorter reach measurements and do not bring the head tube (therefore the handlebars) any closer to the rider than the next bigger size. How does the manufacturer advertise a full size range then, based on top tube lengths?

What we're suggesting is an lution in bike geometry. It's a different way to look at how to design and build bike frames that allows the Orca to fit a wider range of men and women and follow a more linear size progression. The new size range includes 47, 49, 51, 53, 55, 57, and 60cm sizes and ensures that anyone can ride an Orca, no matter how large or small. The progressive sizing ensures that our 47cm bike indeed offers the smallest fit and that subsequent sizes grow in a linear and predictable fashion.

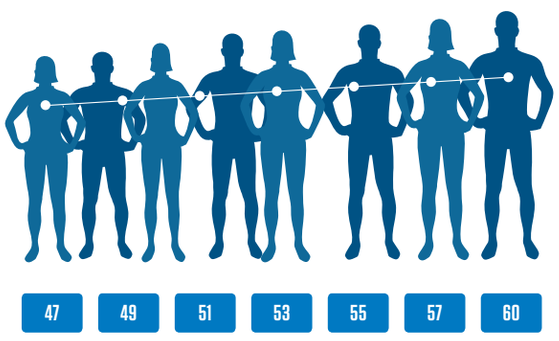
FITS MORE PEOPLE BETTER

WOMEN AND MEN FIT UNIVERSALLY

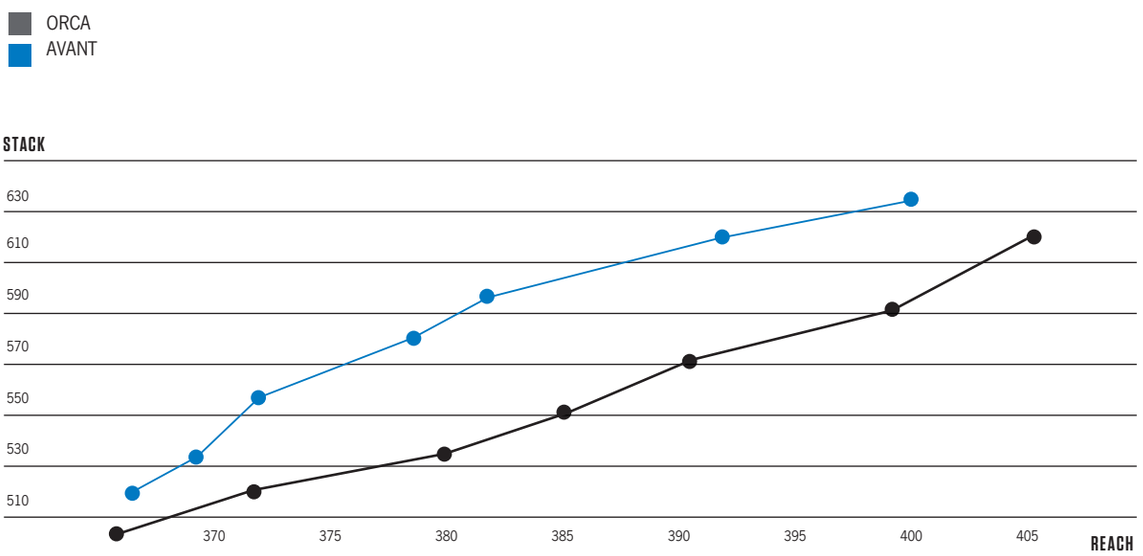
RACING VS ENDURANCE



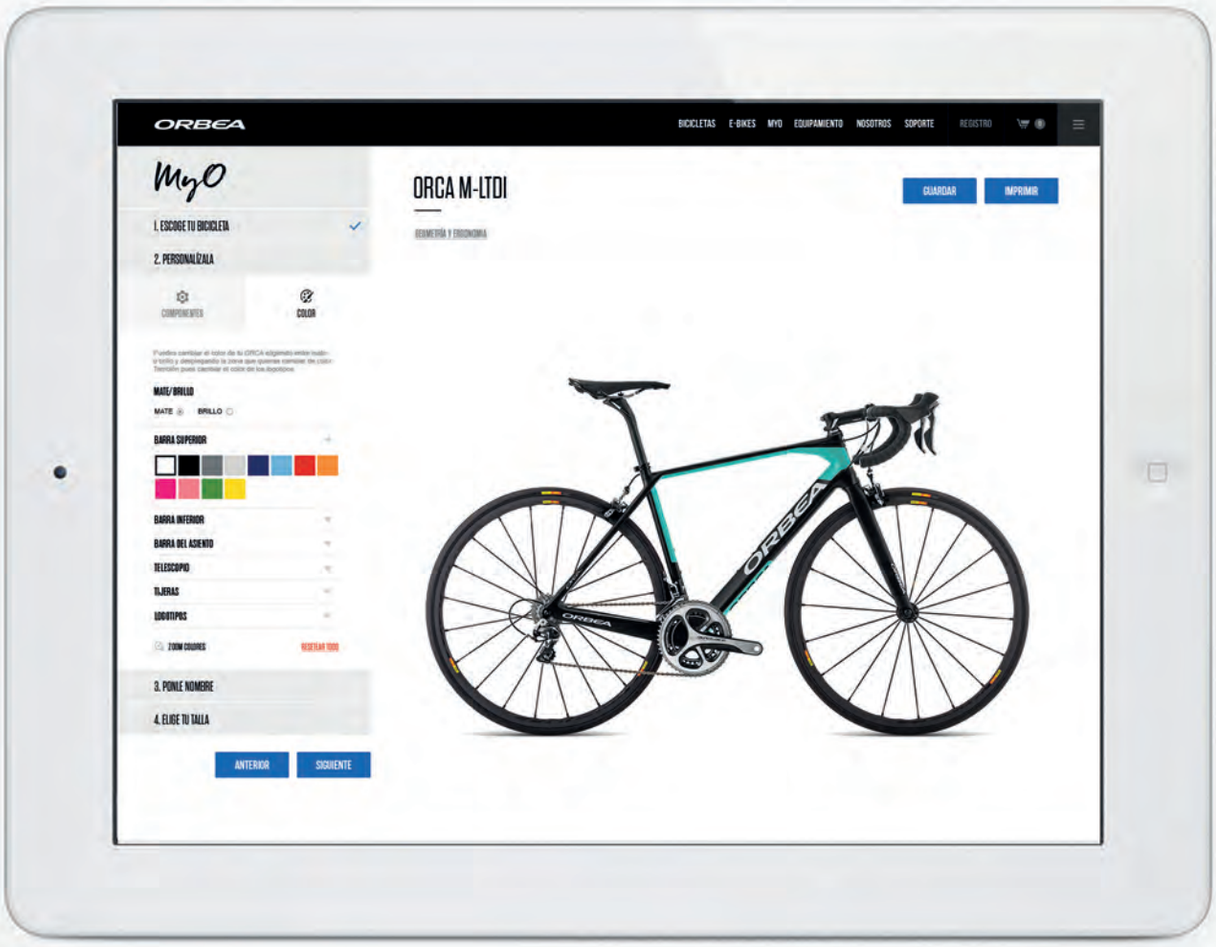
CONSTISTENT STACK AND REACH SCALING



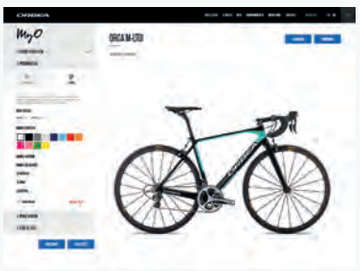
ORCA VS AVANT - STACK AND REACH

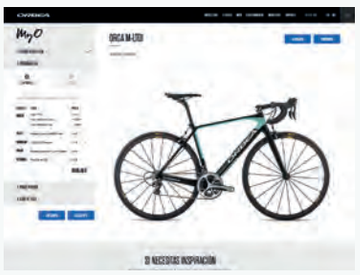


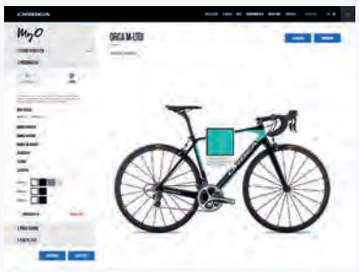

myO
PALINAL
NACER
BOUHANNI


ORBEA
BICICLETAS E-BIKES MYO EQUIPAMIENTO NOSOTROS SOPORTE REGISTRO
MyO
1. ESCOGE TU BICICLETA
2. PERSONALÍZALA
COMPONENTES
COLOR
MATE/BRILLO
MATE BRILLO
BARRA SUPERIOR
BARRA INFERIOR
BARRA DEL ASIENTO
TELESCOPIO
TIJERAS
LOGOTIPOS
3. PONLE NOMBRE
4. ELIGE TU TALLA
ANTERIOR
SIGUIENTE
ORCA M-LTDI
GEOMETRÍA Y ERGONOMÍA
GUARDAR
IMPRIMIR

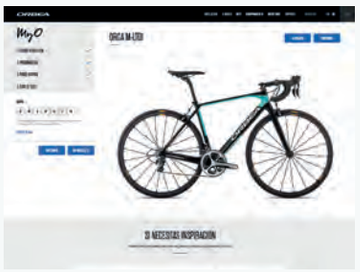










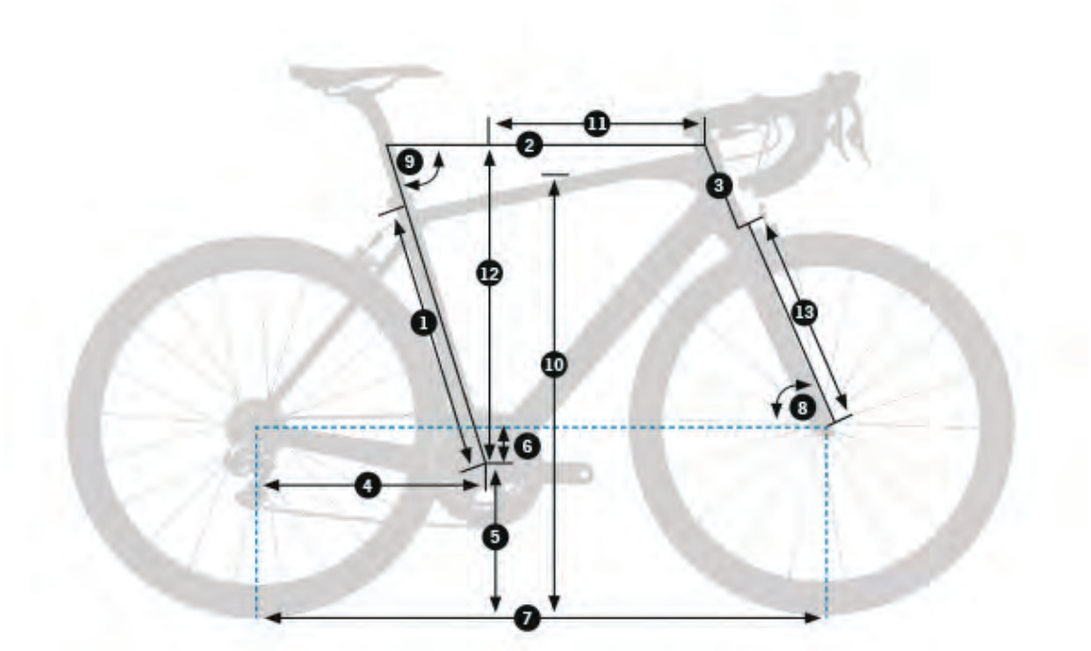


GEO CHARTS

ORCA OMR

SIZES	47	49	51	53	55	57	60
1 - Seat Tube (C-T)	410	440	470	490	510	530	560
2 - Top Tube (EFF)	514.8	520.55	537.9	548.5	563.7	576	590
3 - Head Tube	104	112	130	145	165	182	207.1
4 - Chainstay	405	405	405	405	408	408	408
5 - BB Height	271.5	271.5	271.5	271.5	271.5	271.5	271.5
6 - BB Drop	70	70	70	70	70	70	70
7 - Wheelbase	969.6	976.58	986.92	984.77	996.32	1003.89	1012.53
8 - Head Angle	71º	71.4º	71.8º	72.1º	72.5º	73º	73.5º
9 - Seat Angle	73.5º	73.5º	73.5º	73.5º	73.2º	73.2º	73.2º
10 - Standover	708	726	751	771	791	807	835
11 - Reach	365	372	380	385	391	398	404
12 - Stack	506	515	533	552	572	590	616
13 - Fork Length	375	375	375	375	375	375	375

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-160	61-63	47
160-166	63-65	49
167-172	66-68	51
173-179	68-70	53
180-185	71-73	55
186-191	73-75	57
192-207	76-81	60

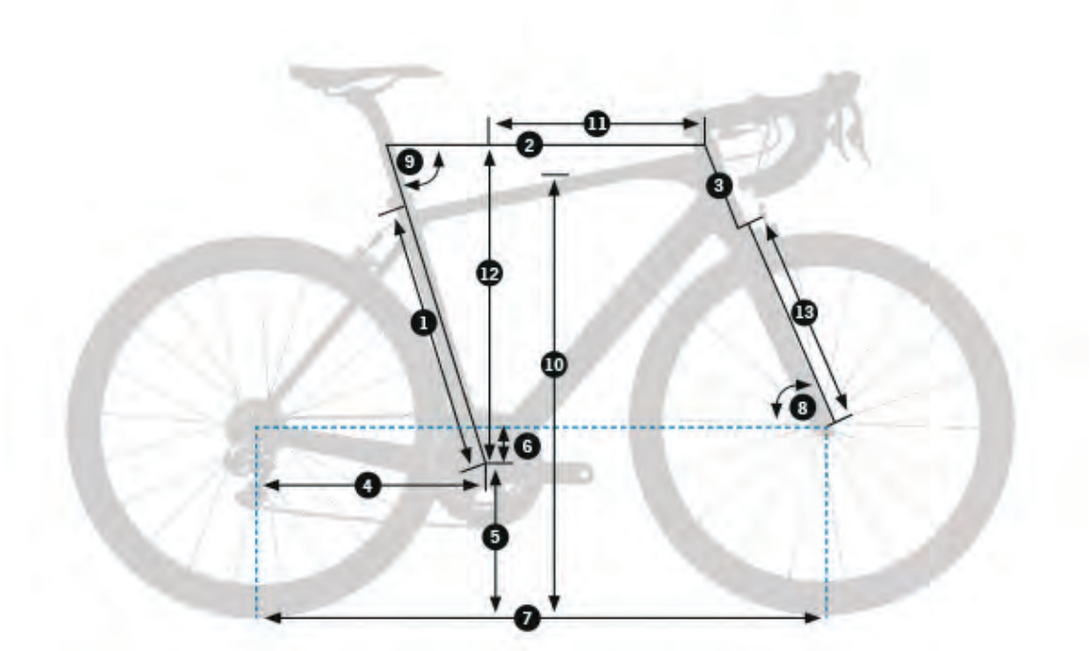


GEO CHARTS

ORCA OMP

SIZES	47	49	51	53	55	57	60
1 - Seat Tube (C-T)	410	440	470	490	510	530	560
2 - Top Tube (EFF)	514.8	520.55	537.9	548.5	563.7	576	590
3 - Head Tube	104	112	130	145	165	182	207.1
4 - Chainstay	405	405	405	405	408	408	408
5 - BB Height	271.5	271.5	271.5	271.5	271.5	271.5	271.5
6 - BB Drop	70	70	70	70	70	70	70
7 - Wheelbase	969.6	976.58	986.92	984.77	996.32	1003.89	1012.53
8 - Head Angle	71º	71.4º	71.8º	72.1º	72.5º	73º	73.5º
9 - Seat Angle	73.5º	73.5º	73.5º	73.5º	73.2º	73.2º	73.2º
10 - Standover	708	726	751	771	791	807	835
11 - Reach	365	372	380	385	391	398	404
12 - Stack	506	515	533	552	572	590	616
13 - Fork Length	375	375	375	375	375	375	375

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-160	61-63	47
160-166	63-65	49
167-172	66-68	51
173-179	68-70	53
180-185	71-73	55
186-191	73-75	57
192-207	76-81	60



orca



ORCA M-LTDi

Code	F123

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMR, MONOCOQUE,TAPERED 1-1/8" - 1,5", PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2 MM SEAT TUBE.
Fork	ORBEA ORCA OMR CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS
Crankset	SHIMANO DURA-ACE 9000 34X50T
	SHIMANO DURA-ACE 9000 39X53T
Headset	FSA 1-1/8" - 1-1/2" INTEGRATED CARBON CUP LIGHT BEARINGS
Handlebar	FSA K-FORCE COMPACT
Stem	FSA OS-99 CSI
Shifters	SHIMANO DURA-ACE 9070 DI2
Brakes	SHIMANO DURA-ACE 9000
Rear Derailleur	SHIMANO DURA-ACE 9070 DI2
Front Derailleur	SHIMANO DURA-ACE 9070 DI2
Chain	SHIMANO HG900
Wheels	VISION METRON 40 CARBON CLINCHER
Cassette	SHIMANO DURA-ACE 11-28T 11-SPEED
	SHIMANO DURA-ACE 11-25T 11-SPEED
Tyres	VITTORIA OPEN CORSA 700X23 320TPI
Pedals	N/A
Seatpost	FSA K-FORCE LIGHT DI2 SB25 27,2X350MM
Saddle	SCRATCH-2 TIROX SIZE 143 MM

orca



ORCA M-LTD

Code	F122

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMR, MONOCOQUE,TAPERED 1-1/8" - 1,5", PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2 MM SEAT TUBE.
Fork	ORBEA ORCA OMR CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS
Crankset	SHIMANO DURA-ACE 9000 34X50T
	SHIMANO DURA-ACE 9000 39X53T
Headset	FSA 1-1/8" - 1-1/2" INTEGRATED CARBON CUP LIGHT BEARINGS
Handlebar	FSA K-FORCE COMPACT
Stem	FSA OS-99 CSI
Shifters	SHIMANO DURA-ACE 9000
Brakes	SHIMANO DURA-ACE 9000
Rear Derailleur	SHIMANO DURA-ACE 9000
Front Derailleur	SHIMANO DURA-ACE 9000
Chain	SHIMANO HG900
Wheels	VISION METRON 40 CARBON CLINCHER
Cassette	SHIMANO DURA-ACE 11-28T 11-SPEED
	SHIMANO DURA-ACE 11-25T 11-SPEED
Tyres	VITTORIA OPEN CORSA 700X23 320TPI
Pedals	N/A
Seatpost	FSA K-FORCE LIGHT SB25 27.2X350MM
Saddle	SCRATCH-2 TIROX SIZE 143 MM

orca



ORCA M-TEAMi

Code	F121

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMR, MONOCOQUE,TAPERED 1-1/8" - 1,5", PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2 MM SEAT TUBE.
Fork	ORBEA ORCA OMR CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS
Crankset	SHIMANO ULTEGRA 6800 34X50T
	SHIMANO ULTEGRA 6800 39X53T
Headset	FSA 1-1/8" - 1-1/2" INTEGRATED CARBON CUP LIGHT BEARINGS
Handlebar	FSA K-FORCE COMPACT
Stem	FSA OS-99 CSI
Shifters	SHIMANO ULTEGRA 6870 DI2
Brakes	SHIMANO ULTEGRA 6800
Rear Derailleur	SHIMANO ULTEGRA 6870 DI2
Front Derailleur	SHIMANO ULTEGRA 6870 DI2
Chain	SHIMANO HG700
Wheels	VISION TRIMAX 30 CLINCHER
Cassette	SHIMANO ULTEGRA 6800 11-28T 11-SPEED
	SHIMANO ULTEGRA 6800 11-25T 11-SPEED
Tyres	VITTORIA OPEN CORSA 700X23 320TPI
Pedals	N/A
Seatpost	FSA SL-K DI2 SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	SCRATCH-2 TIROX SIZE 143 MM

orca



ORCA M-TEAM

Code	F120

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMR, MONOCOQUE,TAPERED 1-1/8" - 1,5", PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2 MM SEAT TUBE.
Fork	ORBEA ORCA OMR CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS
Crankset	SHIMANO ULTEGRA 6800 34X50T
	SHIMANO ULTEGRA 6800 39X53T
Headset	FSA 1-1/8" - 1-1/2" INTEGRATED CARBON CUP LIGHT BEARINGS
Handlebar	FSA K-FORCE COMPACT
Stem	FSA OS-99 CSI
Shifters	SHIMANO ULTEGRA 6800
Brakes	SHIMANO ULTEGRA 6800
Rear Derailleur	SHIMANO ULTEGRA 6800
Front Derailleur	SHIMANO ULTEGRA 6800
Chain	SHIMANO HG700
Wheels	VISION TRIMAX 30 CLINCHER
Cassette	SHIMANO ULTEGRA 6800 11-28T 11-SPEED
	SHIMANO ULTEGRA 6800 11-25T 11-SPEED
Tyres	VITTORIA OPEN CORSA 700X23 320TPI
Pedals	N/A
Seatpost	FSA SL-K SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	SCRATCH-2 TIROX SIZE 143 MM

orca



ORCA M10i COFIDIS

Code	F128

White-Red-Yellow (Gloss)
F8

Carbon-Red (Gloss)
F9

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMR, MONOCOQUE,TAPERED 1-1/8” - 1,5”, PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2 MM SEAT TUBE.
Fork	ORBEA ORCA OMR CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8” - 1,5”, CARBON DROPOUTS
Crankset	FSA K-FORCE LIGHT ABS 34X50T
Headset	FSA 1-1/8” - 1-1/2” INTEGRATED CARBON CUP LIGHT BEARINGS
Handlebar	FSA ENERGY COMPACT
Stem	FSA ENERGY
Shifters	SHIMANO DURA-ACE 9070 DI2
Brakes	FSA SL-K
Rear Derailleur	SHIMANO DURA-ACE 9070 DI2
Front Derailleur	SHIMANO DURA-ACE 9070 DI2
Chain	FSA TEAM ISSUE
Wheels	VISION TRIMAX 35 CLINCHER
Cassette	SHIMANO DURA-ACE 11-28T 11-SPEED
Tyres	KENDA KOUNTACH 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K DI2 SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	SELLE ITALIA SLR TEAM EDITION

orca



ORCA M10 COFIDIS

Code	F127

White-Red-Yellow (Gloss)
F8

Carbon-Red (Gloss)
F9

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMR, MONOCOQUE,TAPERED 1-1/8” - 1,5”, PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2 MM SEAT TUBE.
Fork	ORBEA ORCA OMR CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8” - 1,5”, CARBON DROPOUTS
Crankset	FSA K-FORCE LIGHT ABS 34X50T
Headset	FSA 1-1/8” - 1-1/2” INTEGRATED CARBON CUP LIGHT BEARINGS
Handlebar	FSA ENERGY COMPACT
Stem	FSA ENERGY
Shifters	SHIMANO DURA-ACE 9000
Brakes	FSA SL-K
Rear Derailleur	SHIMANO DURA-ACE 9000
Front Derailleur	SHIMANO DURA-ACE 9000
Chain	FSA TEAM ISSUE
Wheels	VISION TRIMAX 30 CLINCHER
Cassette	SHIMANO DURA-ACE 11-28T 11-SPEED
Tyres	KENDA KOUNTACH 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	SELLE ITALIA SLR TEAM EDITION

orca



ORCA M20i COFIDIS

Code	F126

White-Red-Yellow (Gloss)
F8

Carbon-Red (Gloss)
F9

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMR, MONOCOQUE,TAPERED 1-1/8” - 1,5”, PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2 MM SEAT TUBE.
Fork	ORBEA ORCA OMR CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8” - 1,5”, CARBON DROPOUTS
Crankset	FSA GOSSAMER PRO 34X50T
Headset	FSA 1-1/8” - 1-1/2” INTEGRATED CARBON CUP LIGHT BEARINGS
Handlebar	FSA ENERGY COMPACT
Stem	FSA ENERGY
Shifters	SHIMANO ULTEGRA 6870 DI2
Brakes	SHIMANO ULTEGRA 6800
Rear Derailleur	SHIMANO ULTEGRA 6870 DI2
Front Derailleur	SHIMANO ULTEGRA 6870 DI2
Chain	FSA TEAM ISSUE
Wheels	VISION TRIMAX 30 CLINCHER
Cassette	SHIMANO ULTEGRA 6800 11-28T 11-SPEED
Tyres	KENDA KOUNTACH 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K DI2 SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	SELLE ITALIA SLR TEAM EDITION

orca



ORCA M20 COFIDIS

Code	F125

White-Red-Yellow (Gloss)
F8

Carbon-Red (Gloss)
F9

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	170	110	420
55	172	110	420
57	172	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMR, MONOCOQUE,TAPERED 1-1/8” - 1,5”, PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2 MM SEAT TUBE.
Fork	ORBEA ORCA OMR CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8” - 1,5”, CARBON DROPOUTS
Crankset	FSA GOSSAMER PRO 34X50T
Headset	FSA 1-1/8” - 1-1/2” INTEGRATED CARBON CUP LIGHT BEARINGS
Handlebar	FSA ENERGY COMPACT
Stem	FSA ENERGY
Shifters	SHIMANO ULTEGRA 6800
Brakes	SHIMANO ULTEGRA 6800
Rear Derailleur	SHIMANO ULTEGRA 6800
Front Derailleur	SHIMANO ULTEGRA 6800
Chain	FSA TEAM ISSUE
Wheels	VISION TRIMAX 30 CLINCHER
Cassette	SHIMANO ULTEGRA 6800 11-28T 11-SPEED
Tyres	KENDA KOUNTACH 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	SELLE ITALIA SLR TEAM EDITION

orca



ORCA M10

Code	F119

White-Red (Satin)
F1

Blue-Pink (Satin)
F2

Pink-White (Satin)
F3

White-Blue (Gloss)
F4

Black (Satin)
F7

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMP, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA ORCA OMP CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS
Crankset	SHIMANO DURA-ACE 9000 34X50T
	SHIMANO DURA-ACE 9000 39X53T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA ENERGY COMPACT
Stem	FSA ENERGY
Shifters	SHIMANO DURA-ACE 9000
Brakes	SHIMANO DURA-ACE 9000
Rear Derailleur	SHIMANO DURA-ACE 9000
Front Derailleur	SHIMANO DURA-ACE 9000
Chain	SHIMANO HG900
Wheels	VISION TRIMAX 30 CLINCHER
	VISION TRIMAX 35 CLINCHER
	VISION METRON 40 CARBON CLINCHER
	MAVIC KSYRIUM ELITE+YKSION PRO 700X25
	VISION METRON 55 CARBON CLINCHER
Cassette	SHIMANO DURA-ACE 11-28T 11-SPEED
	SHIMANO DURA-ACE 11-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X23 120TPI
	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	SCRATCH-2 TIROX SIZE 143 MM

orca



ORCA M20i

Code	F117

White-Red (Satin)
F1

Blue-Pink (Satin)
F2

Pink-White (Satin)
F3

White-Blue (Gloss)
F4

Black (Satin)
F7

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMP, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA ORCA OMP CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS
Crankset	SHIMANO ULTEGRA 6800 34X50T
	SHIMANO ULTEGRA 6800 39X53T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA ENERGY COMPACT
Stem	FSA ENERGY
Shifters	SHIMANO ULTEGRA 6870 DI2
Brakes	SHIMANO ULTEGRA 6800
Rear Derailleur	SHIMANO ULTEGRA 6870 DI2
Front Derailleur	SHIMANO ULTEGRA 6870 DI2
Chain	SHIMANO HG700
Wheels	VISION TRIMAX 30 CLINCHER
	VISION TRIMAX 35 CLINCHER
	VISION METRON 40 CARBON CLINCHER
	MAVIC KSYRIUM ELITE+YKSION PRO 700X25
	VISION METRON 55 CARBON CLINCHER
Cassette	SHIMANO ULTEGRA 6800 11-28T 11-SPEED
	SHIMANO ULTEGRA 6800 11-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X23 120TPI
	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K DI2 SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	SCRATCH-2 TIROX SIZE 143 MM

orca



ORCA M20 SPEED

Code	F116

White-Red (Satin)
F1

Blue-Pink (Satin)
F2

Pink-White (Satin)
F3

White-Blue (Gloss)
F4

Black (Satin)
F7

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMP, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA ORCA OMP CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS
Crankset	SHIMANO ULTEGRA 6800 34X50T
	SHIMANO ULTEGRA 6800 39X53T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA ENERGY COMPACT
Stem	FSA ENERGY
Shifters	SHIMANO ULTEGRA 6800
Brakes	SHIMANO ULTEGRA 6800
Rear Derailleur	SHIMANO ULTEGRA 6800
Front Derailleur	SHIMANO ULTEGRA 6800
Chain	SHIMANO HG700
Wheels	VISION TRIMAX 35 CLINCHER
	VISION METRON 40 CARBON CLINCHER
	MAVIC KSYRIUM ELITE+YKSION PRO 700X25
	VISION METRON 55 CARBON CLINCHER
Cassette	SHIMANO ULTEGRA 6800 11-28T 11-SPEED
	SHIMANO ULTEGRA 6800 11-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X23 120TPI
	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	SCRATCH-2 TIROX SIZE 143 MM

orca



ORCA M20

Code	F115

White-Red (Satin)
F1

Blue-Pink (Satin)
F2

Pink-White (Satin)
F3

White-Blue (Gloss)
F4

Black (Satin)
F7

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMP, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA ORCA OMP CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS
Crankset	SHIMANO ULTEGRA 6800 34X50T
	SHIMANO ULTEGRA 6800 39X53T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA ENERGY COMPACT
Stem	FSA ENERGY
Shifters	SHIMANO ULTEGRA 6800
Brakes	SHIMANO ULTEGRA 6800
Rear Derailleur	SHIMANO ULTEGRA 6800
Front Derailleur	SHIMANO ULTEGRA 6800
Chain	SHIMANO HG700
Wheels	MAVIC AKSIUM ELITE
	VISION TRIMAX 35 CLINCHER
	VISION METRON 40 CARBON CLINCHER
	MAVIC KSYRIUM ELITE+YKSION PRO 700X25
	VISION TRIMAX 30 CLINCHER
Cassette	SHIMANO ULTEGRA 6800 11-28T 11-SPEED
	SHIMANO ULTEGRA 6800 11-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X23 120TPI
	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	SCRATCH-2 TIROX SIZE 143 MM

orca



ORCA M30

Code	F114

White-Red (Satin)
F1

Blue-Pink (Satin)
F2

Pink-White (Satin)
F3

White-Blue (Gloss)
F4

Black (Satin)
F7

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	172,5	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA ORCA CARBON OMP, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA ORCA OMP CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS
Crankset	SHIMANO 105 5800 34X50T
	SHIMANO 105 5800 39X53T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA GOSSAMER COMPACT
Stem	ORBEA OC-II
	FSA ENERGY
Shifters	SHIMANO 105 5800
Brakes	SHIMANO 105 5800
Rear Derailleur	SHIMANO 105 5800
Front Derailleur	SHIMANO 105 5800
Chain	SHIMANO HG600
Wheels	MAVIC AKSIUM ELITE
	VISION TRIMAX 35 CLINCHER
	VISION TRIMAX 30 CLINCHER
	VISION TEAM 30 CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO 700X23 60TPI FOLDABLE
	VITTORIA RUBINO 700X25 60TPI FOLDABLE
Pedals	N/A
Seatpost	FSA SL-K SB20 27.2X350MM
	FSA SL-K OFFSET SB0 27.2X350MM
Saddle	PROLOGO KAPPA EVO STN SIZE 134 MM



CHALLENGE ACCEPTED.

You knew when you planned the ride it would be a long day - a route stacked with grinding climbs and twisting descents, terrible roads with a good amount of gravel and who knows what else thrown in. These rides aren't most people's idea of fun, but they sure are memorable, monumental, challenging. Is that why you keep going? You suck down another coffee and pull on your shoe covers to hold the weather at bay, it's going to clear out and warm up in a few hours. Probably. Grab your Avant and do a quick check before rolling into the morning mist. No other machine could better help you endure the hours of rough, exhausting conditions ahead. It's going to be a long day - and you love it.

AVANT

WHAT MAKES THE AVANT UNIQUE?

We created the Avant for the rider who's cycling experiences go far beyond the summer race course. A bike fit that reduces fatigue and is designed to go the distance is perfect for the biggest challenges – Gran fondos, dirt road epics and marathon events. A shorter reach and higher stack conserve energy by putting you in an optimal body position for long rides.

Flexibility and utility have been the undercurrents for its development - mechanical or electronic shifting, rim brakes or disc calipers, from one hub width to the next. The Avant is perfect for spring racing on bad roads or in wet climates, where fenders and wide Tyres are an essential component.

These technical feats are integral to the Avant's love of the open road – any road. We are proud of its versatility. No matter where you choose to ride, this bike can be outfitted properly – quickly install fenders for rainy climates to keep road spray off your feet and your riding partners. Avant is the perfect endurance machine.

01/ ERGONOMICS

02/ COMFORT

03/ VERSATILITY

04/ ENDURANCE GEOMETRY



ERGONOMICS

A BIKE FIT THAT GOES THE DISTANCE

Many of our competitors approach this bike category from a competition aspect, implying simply that team use delivers a better, faster product. We take a more nuanced view: we already know that Avant riders are strong cyclists – yes they can already ride fast. But they also want a more efficient position on the Avant to cover long distances and all types of terrain. Avant riders create their own Spring Classics all year on every type of route.

Ergonomics play an important role in endurance and comfort. The rider's postion on the Avant saves energy on extended rides. Avant in not focused on how fastyou can climb, but rather on much energy you can save to climb longer.

RIDER POSITION

LESS FATIGUE



ORCA POSITION - AERODYNAMICS



AVANT POSITION - ENDURANCE

Comparing the rider position on the Orca to the rider position on the Avant, it is easy to see the changes. They are subtle, but add up to a more comfortable ride after several hours in the saddle.

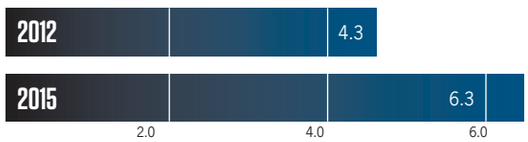
COMFORT

COMFORT IMPROVES ENDURANCE

Comfort doesn't mean lower intensity – it means that the Avant will reduce stresses on your body so you can dedicate every gram of energy to the pedal stroke long into the ride. Vertical stiffness supported on specific seat stay shapes and seat tube diameter provides less stress on your body. Small differences in geometry can make big differences in comfort during the ride. It isn't only about a higher stack and shorter reach but also specific wheelbase and chainstay lengths that add stability, decrease vibration and further reduce energy demands.

Bike setup and component choice plays a large part in endurance efforts. Riding in comfort means an opportunity to be stronger and ride longer. Avant makes this possible by giving you a choice of technical solutions: Disc brakes, larger Tyres or fenders are just a few options that are capable of improving the quality of your ride.

HELPS THE BODY RIDE LONGER



48%
MORE COMFORTABLE



VERSATILITY

THE RIGHT EQUIPMENT MAKES ALL THE DIFFERENCE

Bike setup and component choice play a large part in endurance efforts. Riding in comfort means an opportunity to be stronger and ride longer. Avant makes this possible by giving you a choice of technical solutions:
Disc brakes, larger Tyres or fenders are just a few options that are capable of improving the quality of your ride.



DROPOUT SPACING OPTIONS

With disc brakes in mind, we designed the Avant to be compatible with 135mm and 130mm hub widths. The reason for this is simple - as the road disc standard develops, we wanted the bike to be compatible with any wheelset you might choose. The conversion is simple and consists of removable dropout chips that change the spacing.

TYRES UP TO 28MM

To enhance the adventurous spirit of the Avant we designed it to fit 28mm Tyres. As the popularity of gravel road riding and racing has blossomed, the advantage with larger Tyres is reduced chance for punctures. They also significantly increase comfort during long days in the saddle.



DISCREET FENDER & RACK MOUNTS

No matter where you choose to ride, this bike can be outfitted properly. Racks can be installed for light/fast touring. Integrated fender mounts make the Avant a perfect “rain bike” for wet climates or early spring races. If you don’t need the extra equipment, the discreet mounting bosses won’t attract attention at the group ride on Sunday.

MECHANICAL OR ELECTRONIC SHIFTING

The once-clear choice between mechanical and electronic shifting has blurred as electronic options come down in cost. The Avant is built with both in mind. We call this feature EC/DC. The internal routing system is compatible with traditional cables or the more modern, electronic wiring systems. The Avant is available as a Di2 complete bike with a hidden, seatpost-mounted battery.

CALIPER OR DISC BRAKES

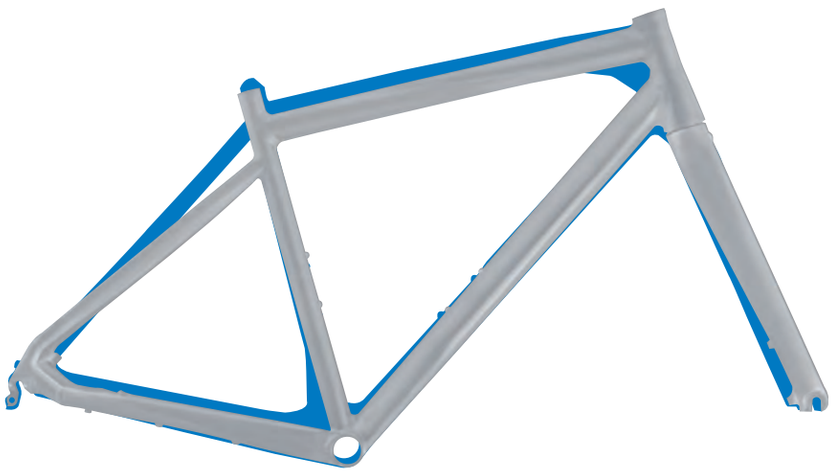
The Avant is unique in that it is compatible with traditional caliper rim brakes as well as disc brakes. We offer models using both options, and the ability to make a swap from one brake style to the other is easy. The frame is designed so that mounting hardware for the disc brakes is removable - leaving nothing to detract from the aesthetics of the bike.

ENDURANCE GEOMETRY

It allows cyclists to save energy and ride for significantly longer distances with less fatigue. The distance between axles is longer, which means the bike is stable, easy to handle and has very good vibration absorption. A higher stack and shorter reach allow for a relaxed position, which reduces riding fatigue after a long ride.

ENDURANCE VS RACING

AVANT
ORCA



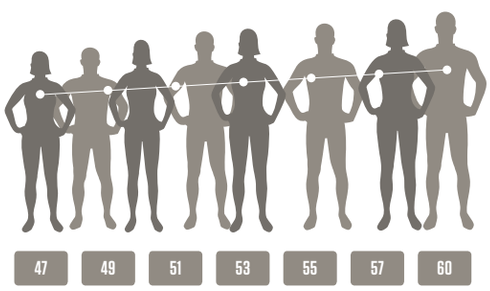
SMART SIZING TO FIT THE WIDEST RANGE OF MEN AND WOMEN

Stack and reach are important measurements because they define the spatial relationships of two important contact points between your body and the bike – pedals and handlebars. Stack is the vertical distance from the center of the bottom bracket to the top of the headtube. Reach is the horizontal distance from the center of the bottom bracket to that same point - the top center of the headtube.

An understanding of stack and reach can explain why many small bikes don't fit well. There are instances in the market when the smallest sizes do not offer shorter reach measurements and do not bring the head tube (therefore the handlebars) any closer to the rider than the next bigger size. How does the manufacturer advertise a full size range then, based on top tube lengths?

What we're suggesting is an revolution in bike geometry. It's a different way to look at how to design and build bike frames that allows the Avant to fit a wider range of men and women and follow a more linear size progression. The new size range includes 47, 49, 51, 53, 55, 57, and 60cm sizes and ensures that anyone can ride an Avant, no matter how large or small. The progressive sizing ensures that our 47cm bike indeed offers the smallest fit and that subsequent sizes grow in a linear and predictable fashion.

CONSTISTENT STACK AND REACH SCALING



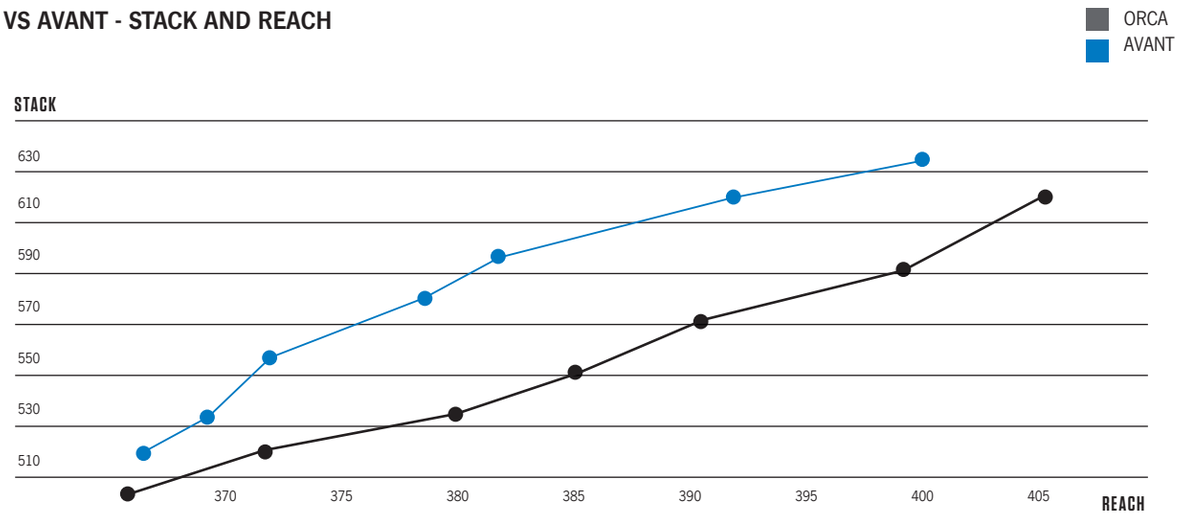








ORCA VS AVANT - STACK AND REACH

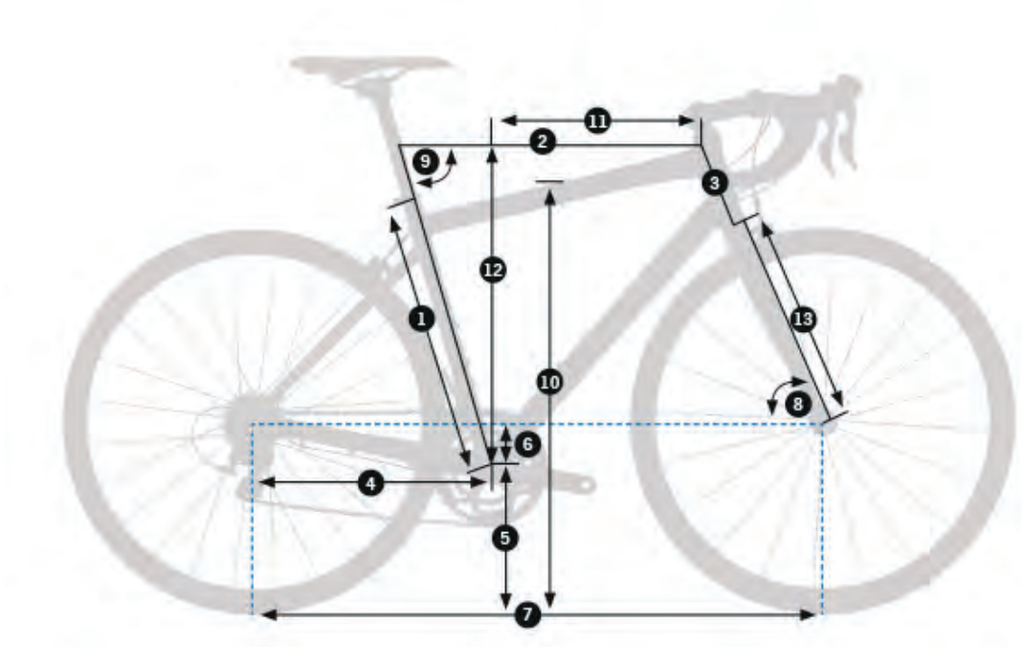


GEO CHARTS

AVANT ALU

SIZES	47	49	51	53	55	57	60
1 - Seat Tube (C-T)	410	440	470	490	510	530	560
2 - Top Tube (EFF)	516.2	527.3	536.5	549.1	563.9	579.6	594.4
3 - Head Tube	113	131.7	150.1	165	188	205	226
4 - Chainstay	414	414	414	414	418	418	418
5 - BB Height	257.5	257.5	257.5	257.5	257.5	257.5	257.5
6 - BB Drop	72.5	72.5	72.5	72.5	72.5	72.5	72.5
7 - Wheelbase	978	986.5	992.8	993.7	1005,3	1014	1023,8
8 - Head Angle	71,2º	71,4º	71,8º	72º	72,5º	73º	73º
9 - Seat Angle	73,5º	73,5º	73,5º	73,5º	73,2º	73º	73º
10 - Standover	384,8	412,6	440,4	459,8	480,8	500,1	527,9
11 - Reach	363	367,1	370,9	378.4	383.4	391.7	400.2
12 - Stack							
13 - Fork Length							

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-160	61-63	47
160-166	63-65	49
167-172	66-68	51
173-179	68-70	53
180-185	71-73	55
186-191	73-75	57
192-207	76-81	60

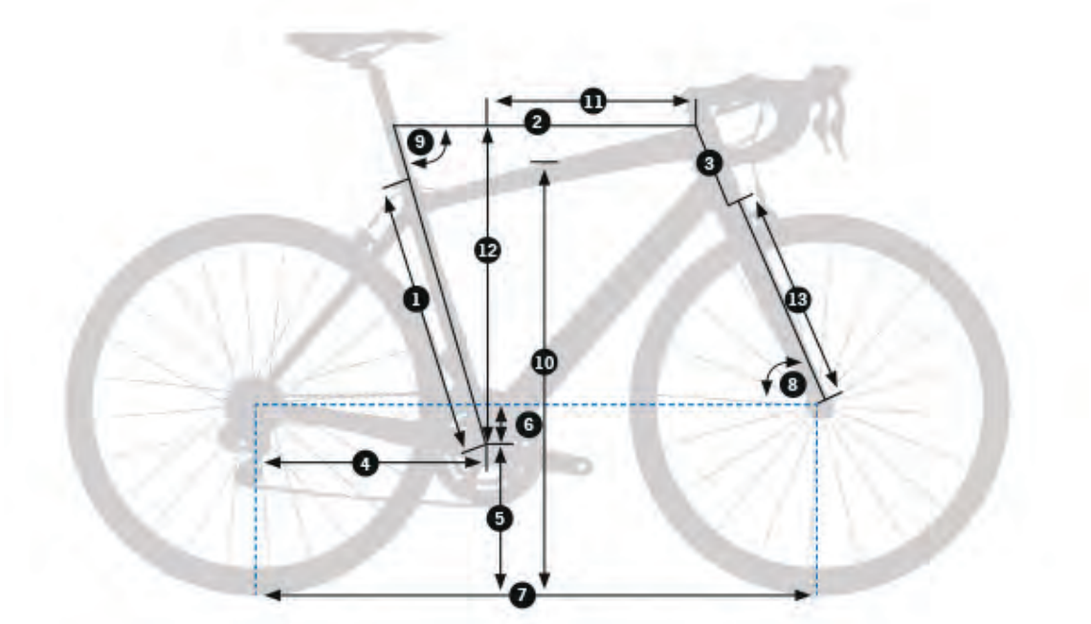


GEO CHARTS

AVANT OMP

SIZES	47	49	51	53	55	57	60
1 - Seat Tube (C-T)	410	420	470	490	510	530	560
2 - Top Tube (EFF)	516	526	535	549	563	579	594
3 - Head Tube	113	129	147	165	188	205	226
4 - Chainstay	414	414	414	414	418	418	418
5 - BB Height	275	275	275	275	275	275	275
6 - BB Drop	72.5	72.5	72.5	72.5	72.5	72.5	72.5
7 - Wheelbase	978	986	992	994	1005	1014	1024
8 - Head Angle	71,2º	71,4º	71,8º	72º	72,5º	73º	73,5º
9 - Seat Angle	73,5º	73,5º	73,5º	73,5º	73,2º	73º	73º
10 - Standover	714	729	763	781	796	813	838
11 - Reach	363	367	371	378	383	392	400
12 - Stack	517	536	555	573	596	615	636
13 - Fork Length	375	375	375	375	375	375	375

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-160	61-63	47
160-166	63-65	49
167-172	66-68	51
173-179	68-70	53
180-185	71-73	55
186-191	73-75	57
192-207	76-81	60

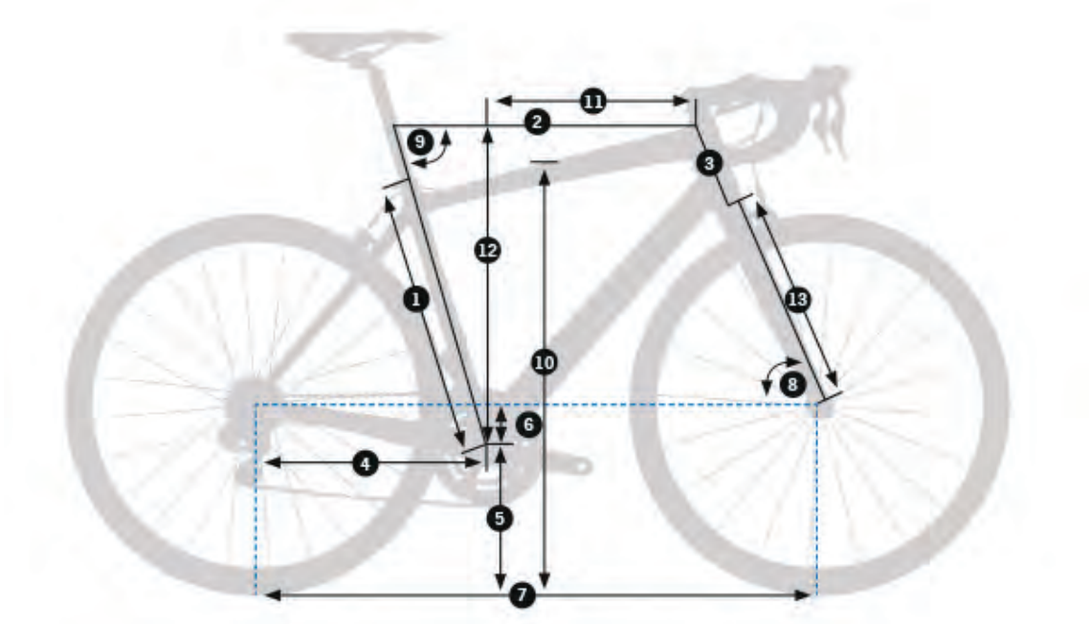


GEO CHARTS

AVANT OME

SIZES	47	49	51	53	55	57	60
1 - Seat Tube (C-T)	410	440	470	490	510	530	560
2 - Top Tube (EFF)	516.2	525.8	535.2	548.1	563.4	579.6	594.8
3 - Head Tube	113	132	150.1	165	187.6	205	226
4 - Chainstay	414	414	414	414	418	418	418
5 - BB Height	269	269	269	269	269	269	269
6 - BB Drop	72.5	72.5	72.5	72.5	72.5	72.5	72.5
7 - Wheelbase	978	986.6	992.9	993.7	1005.3	1014	1023.8
8 - Head Angle	71.2º	71.4º	71.8º	72º	72.5º	73º	73º
9 - Seat Angle	73.5º	73.5º	73.5º	73.5º	73.2º	73º	73º
10 - Standover	650,1	403,8	449,14	468,72	489,6	509,1	537
11 - Reach	363	367.1	371	378.4	383.4	391.7	400
12 - Stack	517.4	535.8	554.8	572.8	596.1	614.6	636.5
13 - Fork Length	375	375	375	375	375	375	375

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-160	61-63	47
160-166	63-65	49
167-172	66-68	51
173-179	68-70	53
180-185	71-73	55
186-191	73-75	57
192-207	76-81	60



AVANT



AVANT M20iD

Code	F113

Blue (Satin)
BP

Black (Gloss-Satin)
BR

Carbon-Orange (Satin)
BQ

Carbon-Pink (Gloss)
BS

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	170	110	420
55	172	110	420
57	172	110	440
60	175	120	440

Frame	ORBEA AVANT CARBON OMP DISC, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, FLAT MOUNT DISC, PM DISC AND RIM BRAKE COMPATIBLE, 135MM-130MM REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA AVANT OMP CARBON DB FORK, FULL CARBON STEERER, TAPPERED 1-1/8" - 1,5", DISC BRAKE COMPATIBLE, INTERNAL CABLE ROUTING, CARBON DROPOUTS.
Crankset	FSA GOSSAMER PRO 34X50T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA GOSSAMER COMPACT
	FSA ENERGY COMPACT
	FSA K-FORCE COMPACT
Stem	FSA GOSSAMER PRO
	FSA ENERGY
	FSA OS-99 CSI
Shifters	SHIMANO R785
Brakes	SHIMANO R785 HYDRAULIC DISC
Rear Derailleur	SHIMANO ULTEGRA 6870 DI2
Front Derailleur	SHIMANO ULTEGRA 6870 DI2
Chain	FSA TEAM ISSUE
Wheels	SHIMANO RX-31 DISC CL CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K DI2 SB20 27.2X350MM
Saddle	PROLOGO KAPPA EVO STN SIZE 134 MM

AVANT



AVANT M20D

Code	F112

Blue (Satin)
BP

Black (Gloss-Satin)
BR

Carbon-Orange (Satin)
BQ

Carbon-Pink (Gloss)
BS

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	170	110	420
55	172	110	420
57	172	110	440
60	175	120	440

Frame	ORBEA AVANT CARBON OMP DISC, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, FLAT MOUNT DISC, PM DISC AND RIM BRAKE COMPATIBLE, 135MM-130MM REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA AVANT OMP CARBON DB FORK, FULL CARBON STEERER, TAPPERED 1-1/8" - 1,5", DISC BRAKE COMPATIBLE, INTERNAL CABLE ROUTING, CARBON DROPOUTS.
Crankset	FSA GOSSAMER PRO 34X50T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA GOSSAMER COMPACT
	FSA ENERGY COMPACT
	FSA K-FORCE COMPACT
Stem	FSA GOSSAMER PRO
	FSA ENERGY
	FSA OS-99 CSI
Shifters	SHIMANO RS805
Brakes	SHIMANO R805 HYDRAULIC DISC
Rear Derailleur	SHIMANO ULTEGRA 6800
Front Derailleur	SHIMANO ULTEGRA 6800
Chain	FSA TEAM ISSUE
Wheels	SHIMANO RX-010 DISC CL CLINCHER
	SHIMANO RX-31 DISC CL CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K SB20 27.2X350MM
Saddle	PROLOGO KAPPA EVO STN SIZE 134 MM

AVANT



AVANT M30D

Code	F111

Blue (Satin)
BP

Black (Gloss-Satin)
BR

Carbon-Orange (Satin)
BQ

Carbon-Pink (Gloss)
BS

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	170	110	420
55	172,5	110	420
57	172,5	110	440
60	175	120	440

Frame	ORBEA AVANT CARBON OMP DISC, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, FLAT MOUNT DISC, PM DISC AND RIM BRAKE COMPATIBLE, 135MM-130MM REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA AVANT OMP CARBON DB FORK, FULL CARBON STEERER, TAPPERED 1-1/8" - 1,5", DISC BRAKE COMPATIBLE, INTERNAL CABLE ROUTING, CARBON DROPOUTS.
Crankset	FSA GOSSAMER 34X50T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA GOSSAMER COMPACT
	FSA ENERGY COMPACT
	FSA K-FORCE COMPACT
Stem	FSA GOSSAMER PRO
	FSA ENERGY
	FSA OS-99 CSI
Shifters	SHIMANO RS505
Brakes	SHIMANO RS505 HYDRAULIC DISC
Rear Derailleur	SHIMANO 105 5800
Front Derailleur	SHIMANO 105 5800
Chain	FSA TEAM ISSUE
Wheels	SHIMANO RX-010 DISC CL CLINCHER
	SHIMANO RX-31 DISC CL CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO 700X25 60TPI FOLDABLE
Pedals	N/A
Seatpost	FSA SL-K SB20 27.2X350MM
Saddle	PROLOGO KAPPA EVO STN SIZE 134 MM

AVANT



AVANT M20i

Code	F110

Carbon-Anthracite (Satin)
BL

Carbon-Red (Gloss)
BM

White-Black (Gloss)
BN

White-Silver (Gloss)
BO

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	170	110	420
55	172	110	420
57	172	110	440
60	175	120	440

Frame	ORBEA AVANT CARBON OME, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130 REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA AVANT OME CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS.
Crankset	FSA GOSSAMER PRO 34X50T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA GOSSAMER COMPACT
	FSA ENERGY COMPACT
	FSA K-FORCE COMPACT
Stem	FSA GOSSAMER PRO
	FSA ENERGY
	FSA OS-99 CSI
Shifters	SHIMANO ULTEGRA 6870 DI2
Brakes	FSA GOSSAMER PRO
Rear Derailleur	SHIMANO ULTEGRA 6870 DI2
Front Derailleur	SHIMANO ULTEGRA 6870 DI2
Chain	FSA TEAM ISSUE
Wheels	VISION TEAM 30 CLINCHER
	MAVIC AKSIUM ELITE
	VISION TRIMAX 35 CLINCHER
	VISION TRIMAX 30 CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	FSA SL-K DI2 SB20 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT M20

Code	F109

Carbon-Anthracite (Satin)
BL

Carbon-Red (Gloss)
BM

White-Black (Gloss)
BN

White-Silver (Gloss)
BO

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	170	110	420
55	172	110	420
57	172	110	440
60	175	110	440

Frame	ORBEA AVANT CARBON OME, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130 REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA AVANT OME CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS.
Crankset	FSA GOSSAMER PRO 34X50T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA OMEGA COMPACT
	FSA ENERGY COMPACT
	FSA K-FORCE COMPACT
Stem	ORBEA OC-II
	FSA ENERGY
	FSA OS-99 CSI
Shifters	SHIMANO ULTEGRA 6800
Brakes	FSA GOSSAMER PRO
Rear Derailleur	SHIMANO ULTEGRA 6800
Front Derailleur	SHIMANO ULTEGRA 6800
Chain	FSA TEAM ISSUE
Wheels	VISION TEAM 30 CLINCHER
	MAVIC AKSIUM ELITE
	VISION TRIMAX 35 CLINCHER
	VISION TRIMAX 30 CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	ORBEA OC-II CARBON 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT M30 PLUS

Code	F108

Carbon-Anthracite (Satin)
BL

Carbon-Red (Gloss)
BM

White-Black (Gloss)
BN

White-Silver (Gloss)
BO

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	170	110	420
55	172,5	110	420
57	172,5	110	440
60	175	110	440

Frame	ORBEA AVANT CARBON OME, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130 REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA AVANT OME CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS.
Crankset	SHIMANO 105 5800 34X50T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA OMEGA COMPACT
	FSA ENERGY COMPACT
	FSA K-FORCE COMPACT
Stem	ORBEA OC-II
	FSA ENERGY
	FSA OS-99 CSI
Shifters	SHIMANO 105 5800
Brakes	SHIMANO 105 5800
Rear Derailleur	SHIMANO 105 5800
Front Derailleur	SHIMANO 105 5800
Chain	FSA TEAM ISSUE
Wheels	VISION TEAM 25 CLINCHER
	MAVIC AKSIUM ELITE
	VISION TEAM 30 CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO 700X25 60TPI FOLDABLE
Pedals	N/A
Seatpost	ORBEA OC-II CARBON 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT M30

Code	F107

Carbon-Anthracite (Satin)
BL

Carbon-Red (Gloss)
BM

White-Black (Gloss)
BN

White-Silver (Gloss)
BO

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	170	110	420
55	172,5	110	420
57	172,5	110	440
60	175	110	440

Frame	ORBEA AVANT CARBON OME, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130 REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA AVANT OME CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS.
Crankset	FSA GOSSAMER 34X50T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA OMEGA COMPACT
	FSA ENERGY COMPACT
	FSA K-FORCE COMPACT
Stem	ORBEA OC-II
	FSA ENERGY
	FSA OS-99 CSI
Shifters	SHIMANO 105 5800
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO 105 5800
Front Derailleur	SHIMANO 105 5800
Chain	FSA TEAM ISSUE
Wheels	VISION TEAM 25 CLINCHER
	MAVIC AKSIUM ELITE
	VISION TEAM 30 CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO 700X25 60TPI FOLDABLE
Pedals	N/A
Seatpost	ORBEA OC-II CARBON 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT M40

Code	F106

Carbon-Anthracite (Satin)
BL

Carbon-Red (Gloss)
BM

White-Black (Gloss)
BN

White-Silver (Gloss)
BO

Size	Crank	Stem	Handlebar
47	170	90	400
49	170	100	400
51	170	100	420
53	170	110	420
55	172,5	110	420
57	172,5	110	440
60	175	110	440

Frame	ORBEA AVANT CARBON OME, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130 REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA AVANT OME CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS.
Crankset	SHIMANO TIAGRA 4700 34X50T
	SHIMANO TIAGRA 4703 30X39X50T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	FSA OMEGA COMPACT
Stem	ORBEA OC-II
Shifters	SHIMANO TIAGRA 4700
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO TIAGRA 4700 SS
Front Derailleur	SHIMANO TIAGRA 4700
Chain	FSA TEAM ISSUE
Wheels	SHIMANO R-501 CLINCHER
	MAVIC AKSIUM ELITE
Cassette	SHIMANO TIAGRA HG-500 11-32T 10-SPEED
Tyres	VITTORIA RUBINO 700X25 60TPI FOLDABLE
Pedals	N/A
Seatpost	ORBEA OC-II CARBON 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT H30

Code	F104

Blue-Red (Gloss)
Z1

White-Red (Gloss)
Z2

Black-Red (Satin)
Z3

Green-Pink (Satin)
Z4

Pink (Gloss)
Z5

Green-Black (Gloss)
Z6

Size	Crank	Stem	Handlebar
47	170	90	380
49	170	100	400
51	170	100	420
53	170	100	420
55	172,5	110	420
57	172,5	110	440
60	175	110	440

Frame	ORBEA AVANT HYDRO, HYDROFORMED TRIPLE BUTTED ALUMINUM, HEADSET 1-1/8", BB 68MM - BSC ENGLISH , INTERNAL CABLE ROUTING, 130 OLD, 27,2MM SEAT TUBE.
Fork	AVANT CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	FSA GOSSAMER 34X50T
Headset	1-1/8" SEMI-INTEGRATED ALUMINIUM CUP
Handlebar	ORBEA OC-II
Stem	ORBEA OC-II
Shifters	SHIMANO 105 5800
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO 105 5800
Front Derailleur	SHIMANO 105 5800
Chain	FSA TEAM ISSUE
Wheels	VISION TEAM 25 CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
Tyres	KENDA KRITERIUM 700X25 60TPI
Pedals	N/A
Seatpost	ORBEA OC-II CARBON 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT H40

Code	F103

Blue-Red (Gloss)
Z1

White-Red (Gloss)
Z2

Black-Red (Satin)
Z3

Green-Pink (Satin)
Z4

Pink (Gloss)
Z5

Green-Black (Gloss)
Z6

Size	Crank	Stem	Handlebar
47	170	90	380
49	170	100	400
51	170	100	420
53	170	100	420
55	172,5	110	420
57	172,5	110	440
60	175	110	440

Frame	ORBEA AVANT HYDRO, HYDROFORMED TRIPLE BUTTED ALUMINUM, HEADSET 1-1/8", BB 68MM - BSC ENGLISH , INTERNAL CABLE ROUTING, 130 OLD, 27,2MM SEAT TUBE.
Fork	AVANT CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	SHIMANO TIAGRA 4700 34X50T
	SHIMANO TIAGRA 4703 30X39X50T
Headset	1-1/8" SEMI-INTEGRATED ALUMINIUM CUP
Handlebar	ORBEA OC-II
Stem	ORBEA OC-II
Shifters	SHIMANO TIAGRA 4700
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO TIAGRA 4700 SS
Front Derailleur	SHIMANO TIAGRA 4700
Chain	KMC X10
Wheels	SHIMANO R-501 CLINCHER
Cassette	SHIMANO TIAGRA HG-500 12-28T 10-SPEED
Tyres	KENDA KRITERIUM 700X25 60TPI
Pedals	N/A
Seatpost	ORBEA OC-II CARBON 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT H50

Code	F102

Blue-Red (Gloss)
Z1

White-Red (Gloss)
Z2

Black-Red (Satin)
Z3

Green-Pink (Satin)
Z4

Pink (Gloss)
Z5

Green-Black (Gloss)
Z6

Size	Crank	Stem	Handlebar
47	170	90	380
49	170	100	400
51	170	100	420
53	170	100	420
55	175	110	420
57	175	110	440
60	175	110	440

Frame	ORBEA AVANT HYDRO, HYDROFORMED TRIPLE BUTTED ALUMINUM, HEADSET 1-1/8", BB 68MM - BSC ENGLISH , INTERNAL CABLE ROUTING, 130 OLD, 27,2MM SEAT TUBE.
Fork	AVANT CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	SHIMANO SORA 3550 34X50T
	SHIMANO SORA 3503 30X39X50T
Headset	1-1/8" SEMI-INTEGRATED ALUMINIUM CUP
Handlebar	ORBEA OC-II
Stem	ORBEA OC-II
Shifters	SHIMANO SORA
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO SORA
Front Derailleur	SHIMANO SORA
Chain	SHIMANO HG53
Wheels	ORBEA R1800
Cassette	SHIMANO SORA 12-27T 9-SPEED
Tyres	KENDA KRITERIUM 700X25 60TPI
Pedals	N/A
Seatpost	ORBEA OC-I 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT H60

Code	F101

Blue-Red (Gloss)
Z1

White-Red (Gloss)
Z2

Green-Pink (Satin)
Z4

Pink (Gloss)
Z5

Green-Black (Gloss)
Z6

Size	Crank	Stem	Handlebar
47	170	90	380
49	170	100	400
51	170	100	420
53	170	100	420
55	170	110	420
57	170	110	440
60	170	110	440

Frame	ORBEA AVANT HYDRO, HYDROFORMED TRIPLE BUTTED ALUMINUM, HEADSET 1-1/8", BB 68MM - BSC ENGLISH , INTERNAL CABLE ROUTING, 130 OLD, 27,2MM SEAT TUBE.
Fork	AVANT CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	SHIMANO CLARIS 2450 34X50T
	SHIMANO CLARIS 2403 30X39X50T
Headset	1-1/8" SEMI-INTEGRATED ALUMINIUM CUP
Handlebar	ORBEA OC-II
Stem	ORBEA OC-II
Shifters	SHIMANO CLARIS
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO CLARIS
Front Derailleur	SHIMANO CLARIS
Chain	KMC Z8
Wheels	ORBEA R1800
Cassette	SHIMANO HG50 13-26T 8-SPEED
Tyres	KENDA KRITERIUM 700X25 60TPI
Pedals	VP ROAD ALLOY
Seatpost	ORBEA OC-I 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT H70

Code	F100

Blue-Red (Gloss)
Z1

White-Red (Gloss)
Z2

Green-Pink (Satin)
Z4

Pink (Gloss)
Z5

Green-Black (Gloss)
Z6

Size	Crank	Stem	Handlebar
47	170	90	380
49	170	100	400
51	170	100	420
53	170	100	420
55	170	110	420
57	170	110	440
60	170	110	440

Frame	ORBEA AVANT HYDRO, HYDROFORMED TRIPLE BUTTED ALUMINUM, HEADSET 1-1/8", BB 68MM - BSC ENGLISH , INTERNAL CABLE ROUTING, 130 OLD, 27,2MM SEAT TUBE.
Fork	AVANT CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	SHIMANO TOURNEY 30X39X50T
Headset	1-1/8" SEMI-INTEGRATED ALUMINIUM CUP
Handlebar	ORBEA OC-II
Stem	ORBEA OC-II
Shifters	SHIMANO TOURNEY
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO TOURNEY
Front Derailleur	SHIMANO TOURNEY
Chain	KMC Z50
Wheels	ORBEA R1800
Cassette	SHIMANO HG20 12-28T 7-SPEED
Tyres	KENDA KRITERIUM 700X25 60TPI
Pedals	VP ROAD ALLOY
Seatpost	ORBEA OC-I 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT M40F

Code	F140

Carbon-Anthracite (Satin)
BL

Carbon-Red (Gloss)
BM

White-Black (Gloss)
BN

White-Silver (Gloss)
BO

Size	Crank	Stem	Handlebar
47	170		620
49	170		620
51	170		620
53	170		620
55	172,5		620
57	172,5		620
60	175		620

Frame	ORBEA AVANT CARBON OME, MONOCOQUE, TAPERED 1-1/8" - 1,5", PF 86MM, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130 REAR SPACING, 27,2MM SEAT TUBE.
Fork	ORBEA AVANT OME CARBON FORK, FULL CARBON STEERER, TAPERED 1-1/8" - 1,5", CARBON DROPOUTS.
Crankset	SHIMANO TIAGRA 4703 30X39X50T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED CARBON CUP ACB BEARINGS
Handlebar	ORBEA FLAT ALU
Stem	ORBEA ADJUSTABLE
Shifters	SHIMANO TIAGRA 4700
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO TIAGRA 4700 GS
Front Derailleur	SHIMANO TIAGRA 4703
Chain	FSA TEAM ISSUE
Wheels	SHIMANO R-501 CLINCHER
	MAVIC AKSIUM ELITE
Cassette	SHIMANO TIAGRA HG-500 11-32T 10-SPEED
Tyres	VITTORIA RUBINO 700X25 60TPI FOLDABLE
Pedals	N/A
Seatpost	ORBEA OC-II CARBON 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT H40F

Code	F143

Blue-Red (Gloss)
Z1

Black-Red (Satin)
Z3

Green-Pink (Satin)
Z4

Pink (Gloss)
Z5

Size	Crank	Stem	Handlebar
47	170		620
49	170		620
51	170		620
53	170		620
55	172,5		620
57	172,5		620
60	175		620

Frame	ORBEA AVANT HYDRO, HYDROFORMED TRIPLE BUTTED ALUMINUM, HEADSET 1-1/8", BB 68MM - BSC ENGLISH , INTERNAL CABLE ROUTING, 130 OLD, 27,2MM SEAT TUBE.
Fork	AVANT CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	SHIMANO TIAGRA 4703 30X39X50T
Headset	1-1/8" SEMI-INTEGRATED ALUMINIUM CUP
Handlebar	ORBEA FLAT ALU
Stem	ORBEA ADJUSTABLE
Shifters	SHIMANO TIAGRA 4700
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO TIAGRA 4700 GS
Front Derailleur	SHIMANO TIAGRA 4703
Chain	KMC X10
Wheels	SHIMANO R-501 CLINCHER
Cassette	SHIMANO TIAGRA HG-500 12-28T 10-SPEED
Tyres	KENDA KRITERIUM 700X25 60TPI
Pedals	N/A
Seatpost	ORBEA OC-II CARBON 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT H50F

Code	F142

Blue-Red (Gloss)
Z1

Black-Red (Satin)
Z3

Green-Pink (Satin)
Z4

Pink (Gloss)
Z5

Size	Crank	Stem	Handlebar
47	170		620
49	170		620
51	170		620
53	170		620
55	175		620
57	175		620
60	175		620

Frame	ORBEA AVANT HYDRO, HYDROFORMED TRIPLE BUTTED ALUMINUM, HEADSET 1-1/8", BB 68MM - BSC ENGLISH , INTERNAL CABLE ROUTING, 130 OLD, 27,2MM SEAT TUBE.
Fork	AVANT CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	SHIMANO SORA 3503 30X39X50T
Headset	1-1/8" SEMI-INTEGRATED ALUMINIUM CUP
Handlebar	ORBEA FLAT ALU
Stem	ORBEA ADJUSTABLE
Shifters	SHIMANO SORA
Brake levers	SHIMANO SORA FLAT
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO SORA
Front Derailleur	SHIMANO SORA
Chain	SHIMANO HG53
Wheels	ORBEA R1800
Cassette	SHIMANO SORA 12-27T 9-SPEED
Tyres	KENDA KRITERIUM 700X25 60TPI
Pedals	N/A
Seatpost	ORBEA OC-I 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM

AVANT



AVANT H60F

Code	F141

Blue-Red (Gloss)
Z1

Black-Red (Satin)
Z3

Green-Pink (Satin)
Z4

Pink (Gloss)
Z5

Size	Crank	Stem	Handlebar
47	170		620
49	170		620
51	170		620
53	170		620
55	170		620
57	170		620
60	170		620

Frame	ORBEA AVANT HYDRO, HYDROFORMED TRIPLE BUTTED ALUMINUM, HEADSET 1-1/8", BB 68MM - BSC ENGLISH , INTERNAL CABLE ROUTING, 130 OLD, 27,2MM SEAT TUBE.
Fork	AVANT CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	SHIMANO CLARIS 2403 30X39X50T
Headset	1-1/8" SEMI-INTEGRATED ALUMINIUM CUP
Handlebar	ORBEA FLAT ALU
Stem	ORBEA ADJUSTABLE
Shifters	SHIMANO CLARIS
Brake levers	SHIMANO CLARIS FLAT
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO CLARIS
Front Derailleur	SHIMANO CLARIS
Chain	KMC Z8
Wheels	ORBEA R1800
Cassette	SHIMANO HG50 13-26T 8-SPEED
Tyres	KENDA KRITERIUM 700X25 60TPI
Pedals	VP ROAD ALLOY
Seatpost	ORBEA OC-I 27.2X350MM
Saddle	PROLOGO K3 STN SIZE 141 MM



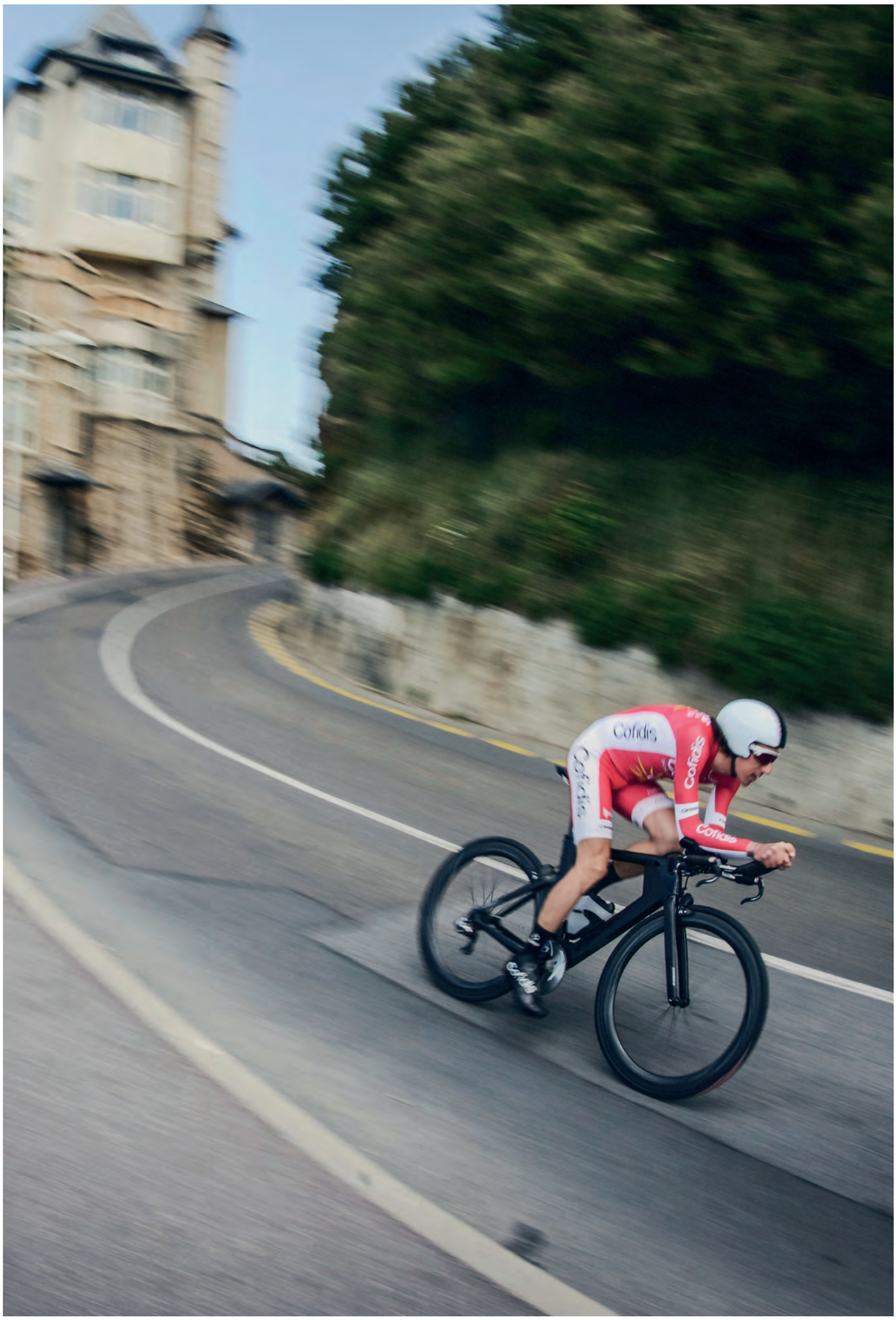
TRIATHLON

JUST AIM AT BEATING YOUR TOUGHEST RIVAL: YOURSELF.

ORDU OMP

ORDU OME


LAZER
ORBEA


Cofidis
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THE TIME OF YOUR LIFE.

Ordu translates to “moment” in the Basque language. It’s the perfect name for a bike created to capture the efforts of training and distill them into the present, a single focus on having the time of your life. The time you push so deep into the tunnel you can’t recall the minutes spent on the road. When heart rate, wattage and geaR selection completely vanish from your perception and it is only you and the bike. We all know moments like this - the rarest of events when somehow you ride beyond your capabilities and do the perfect effort. Everything clicks into place and you have the time of your life.

WHAT MAKES ORDU UNIQUE?

The new Ordu is for the serious triathlete looking to upgrade an existing bike to something faster, lighter and more specific. Ordu is also the choice of elite or professional road racers who need a UCI-legal time trial bike.Ordu is the racing platform of Team Cofidis and Orbea/Orca Triathletes.

01/ SLIPPERY AND EFFICIENT

02/ ADAPTABILITY WITHOUT COMPROMISE

03/ 100% PERFORMANCE

04/ ESSENTIAL DETAILS

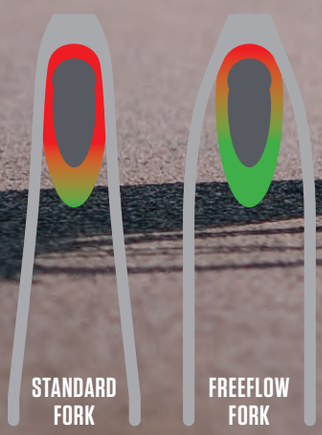

ORBEA
metron 55
Vision
metron
ORBEA

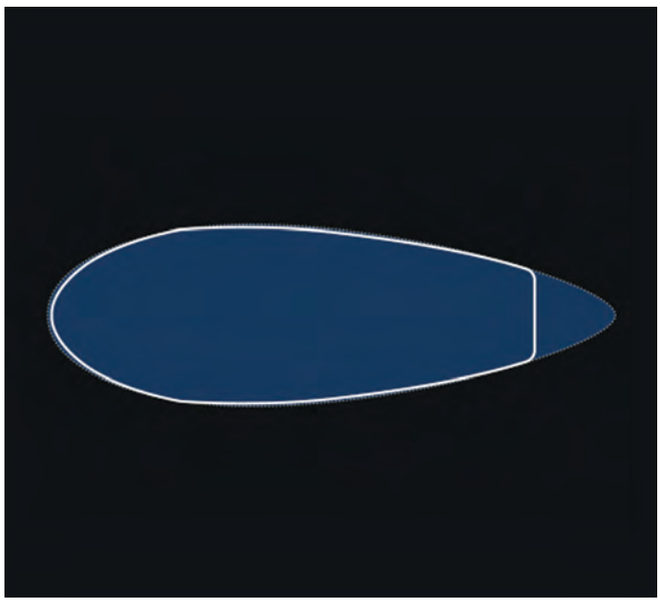
SLIPPERY AND EFFICIENTE

FREEFLOW

Aerodynamic forks are typically designed to perform like aero frame tubes - optimized for directional movement through the wind. But the forward rotation of the spokes and today's wider rims and Tyres approaching from behind the fork (against the flow of wind as the wheel spins) creates a high pressure/high drag zone.

Freeflow spreads the fork legs away from this area to reduce pressure and turbulence. Normal directional aerodynamics remain unchanged but the bike gets faster because the airspace inside the Freeflow fork blades is less chaotic.





MONDRAGON TUBE SHAPES

Not many bike companies have the research and development capabilities of an Engineering School at their fingertips. Orbea works directly with specialists at Mondragon University in the Basque Country to analyze and test aerodynamic concepts.
Our subtle improvements to a traditional airfoil are aimed specifically at helping riders go faster in conditions typically encountered on the road – Faster at lower speeds and faster at higher yaw angles.

DOUBLE RADIUS
The double-radiused "bullet" leading edge opens airflow around the tube profile and improves airflow at higher yaw angles.

FLATTENED SIDES
Flattening the sides of the airfoil reduces frontal area of the tube and offers better drag numbers at lower speeds.

ABBREVIATED TAIL
A squared trailing edge "tricks" wind into thinking the shape continues to a point, but allows for a shallower tube and smooths airflow into bottle cages.



MINI TAPER

The headtubes and fork steerer tubes of most performance bikes are tapered to optimize stiffness and minimize weight. But the increased frontal area created by using a standard 1.5" lower bearing interferes significantly with aerodynamics.
The standard solution for aero bikes has been to use a straight 28.6MM fork steerer. This reduces the frontal area of a standard tapered design, but still uses excessive materials and volume.

We decided to go a different route. We developed a 25.4 x 28.6MM Mini Taper for the Ordu headtube and fork steerer tube. This smaller taper decreases drag by reducing frontal area by 10% over a straight 28.6MM design and saves a few grams at the same time. No small improvement.

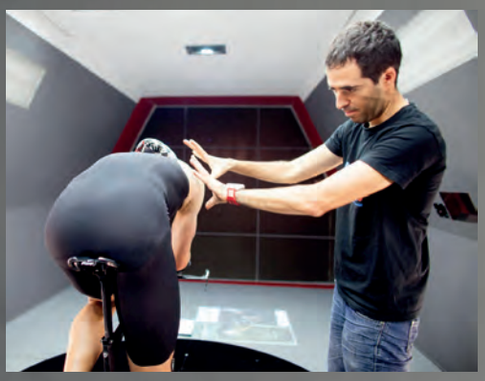
10%
REDUCTION IN FRONTAL AREA

ADAPTABILITY WITHOUT COMPROMISE

NO COMPROMISE FIT

TAKE ADVANTAGE OF ORDU'S TRUE MULTISPORT GEOMETRY FOR TRIATHLONS OR TIME TRIALS WITHOUT WORK-AROUNDS.

Its hard to give it your all if you feel like you're making do. Ordu was designed under the premise that there's no reason to settle for an almost-perfect fit. With a calculated linear progression between sizes and the frankly massive range of saddle positions made possible by our symmetrical seat post, you'll never have the nagging feeling that you'd be faster "if only…"

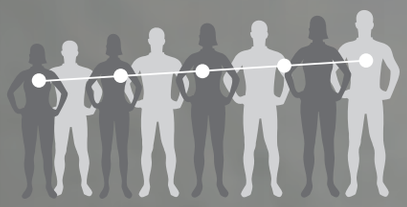


LINEAR STACK AND REACH

An understanding of stack and reach can explain why many small bikes don't fit well. There are instances in the market when the smallest sizes do not offer shorter reach measurements and do not bring the head tube (therefore the handlebars) any closer to the rider than the next bigger size. How does the manufacturer advertise a full size range then, based on top tube lengths?

What we're suggesting is an evolution in bike geometry. It's a different way to look at how to design and build bike frames that allows the Ordu to fit a wider range of riders and follow a more linear size progression.

The new size range of XS through XL ensures that anyone can ride an Ordu, no matter how large or small. The progressive sizing ensures that subsequent sizes grow in a linear and predictable fashion.



SYMMETRICAL SEAT POST

Ordu uses a clever aero-oval seat post that includes two clamps that vary setback by 23 and 49MM. In addition, the shaft itself can be reversed to give almost 90mm of total adjustable range. Whether you are aiming for a fit as radical as possible, or trying to keep your saddle position within UCI regulations, this post will help you do it.

The clamp mechanism was developed in collaboration with our colleagues at Full Speed Ahead to offer quick and solid adjustment of saddle tilt (1), independent of fore-aft position (2).

ORDU OMP GEOMETRY

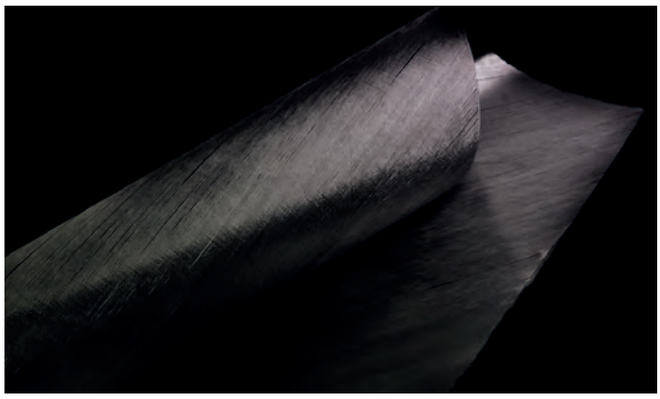
The two smaller frame sizes use a fork with a 53mm offset. The larger sizes use a fork with a 45mm offset.

This difference, along with a tuned head angle for each size, maintains correct steering and reduces the potential for toe overlap. The two forks allow the same experience with well-balanced handling across the range.




ORBEA
orca
orca
orca

100% PERFORMANCE



FULL CARBON
Of all the materials used to build bicycle frames, carbon composites offer the most advantageous blend of low weight, high strength and ease of manipulation.
What we do with the composites – the selection of materials and how they are used – is key to the final result. Thoughtful design allows us to create a range of Orbeas that can be optimized for performance, comfort, ruggedness or value

		ORBEA MONOCOQUE PERFORMANCE (OMP)
CARBON TYPE	PERFORMANCE RATING	Better
	FIBER GRADE	Standard + 5% High Strength/High Modulus
LAYUP	PREPREG SHAPING	Regular pattern shaping
	PREPREG PIECES	150-160
	PREPREG CUTTING	Standard
	PREPREG OVERLAP	Overlaping > 10mm
MOLDING	PRE-FORMING	2 hours preforming before molding
	MOLDING FORMS	Bladder + polyurethane molds reduces wrinkles at HT/BB

OMP
OMP CARBON consists of high modulus fibers that provide stiffness blended with lower modulus fibers that improve vibration absorption for maximum efficiency and toughness.



TRIRIG INTEGRATION
Ordu is compatible with any standard center-bolt road brake caliper, but is specifically optimized for the new TriRig brake system. Shapes and angles flow together with almost no gap between brake and frame. A rear cable stop port in the rear of the seat tube provides a clean exit for the brake cable to travel directly to the caliper with no extra housing in the wind. It's minimalist, aero and beautiful without the hassle of finicky proprietary braking systems inside the fork or under the bottom bracket.



MULTIPLE MOUNTING SYSTEM
Ordu is loaded with versatility and clever design. When needed, an optional seat tube storage fairing and top tube-mounted bag keep tools and food out of your pockets and quickly accessible. Multiple bottle mounts and triple bosses on the down tube mean several options for configuring water bottles whether you want maximum capacity or ultimate aerodynamics. The wind tunnel is a great opportunity to test the multiple configurations and optional mounting locations provided on the Ordu frame. Maybe these data seem nit-picky but picking the fastest setup for the job makes all the difference at the end of a long ride.

ESSENTIAL DETAILS



HATCHBACK
Ordu's Hatchback technology hides a Shimano Di2 battery behind a port in the rear wheel cutout for easy access and simple setup.

ECDC
Ordu is ready for electronic or mechanical shifting - the choice is yours to make. Cables enter the top tube behind the stem for clean, aerodynamic routing and streamlined shifting performance.

BB386
The new Ordu utilizes a BB386 bottom bracket. The press-fit cups inside a wider shell ensure optimal stiffness and larger bearings with better seals offer increased durability and maintenance.

QUICK DROP-OUTS
Semi-vertical dropouts make wheel changes faster. No fiddling with rear-facing dropouts or adjusters.










ORBEA
ORBEA

DON'T JUST FINISH CRUSH IT!

Competition always produces your finest efforts. Going beyond yourself in the pursuit of excellence, the sensation of controlled physical chaos, the satisfaction of knowing that nothing was left in reserve – these are the reasons you show up to race. Personal goals are established, reached or exceeded.Success can come in small increments or spectacular breakthroughs that provide mental fuel for a long season.

OME

WHAT MAKES THE ORDU OME UNIQUE?

The Ordu OME has been designed to push you past what you thought was possible – to that magical day when you don't feel the wind or relent to the pain – when you don't just finish the race, you crush it.

01/ AERODYNAMICS

02/ STIFFNESS

03/ TRIATHLON GEOMETRY

04/ MONOCOQUE

* You can find all the information about these technologies in page 14.


ORBEA

AERODYNAMICS

AERODYNAMIC FRONT-TO-REAR PRIORITY

The leading edge of the Ordu OME frameset received the highest priority for aerodynamic shaping. The straight 1–1/8" steerer tube allows a narrow headtube that minimizes frontal area. At only 38mm wide, it decreases aerodynamic drag by integrating smoothly into the main triangle, making this critical area more slippery and smoothing airflow across the frame. Triathletes are not the only riders who can benefit from these advantages - the frame and fork are UCI legal, making the Ordu OME a serious contender for use in sanctioned Time Trial events. Any standard road bike front or rear brake can be employed, making it user-friendly and ready to accept the best the market has to offer.

To further reduce drag the Ordu OME gets internal cable routing and EC/DC (Electronic Cable/Direct Cable) compatibility. This means it is optimized for traditional mechanical or electronic shifting. The cables or wires enter the downtube only to emerge where necessary to connect each individual component. We've limited the exposed cables to a bare minimum – every effort made to shave unwanted aerodynamic drag.

Frame tube intersections are all extended and smoothed to maximum benefit. Mounting bosses are placed carefully in locations where they will provide the most aerodynamic gain - a top tube mount behind the stem allows an optional tool/nutrition bag that actually improves drag numbers. Three mounts on the downtube allow the use of an optional aerodynamic bottle mounted low, or two standard bottles mounted in more traditional locations.



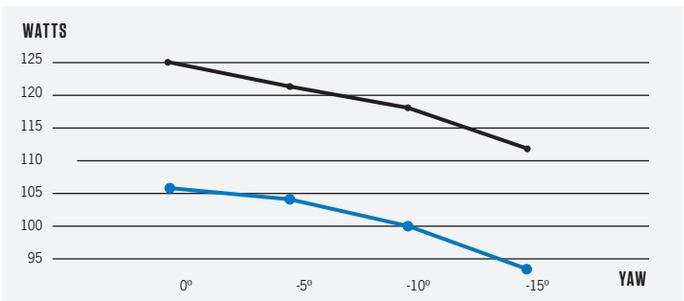






WIND TUNNEL TESTING
A2 WIND TUNNEL NORTH CAROLINA USA

POWER REQUIRED AT 30MPH



Any reduction in drag is important because it takes less energy to propel the bicycle. This can mean one of two things: You'll be able to ride faster at a given power output, or you can ride at the same pace with substantially less effort, saving your legs for the all-important run.

2012 OMS
2015 OME

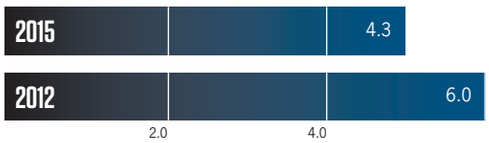
TEST 30MPH	0º YAW	-5º YAW	-10º YAW	-10º YAW	AVG	% DIFFERENCE
ORDU OME 2015	106 V	104 V	100 V	93 V	101 V	16%
ORDU OME 2012	125 V	121 V	118 V	112 V	119 V	
WATTS SAVED	19 V	17 V	18 V	19 V	18 V	

STIFFNESS

While aerodynamics push frame design toward narrower tubes that present the smallest-possible face to the breeze, a frame must be rigid to transfer energy to the rear wheel. Advantages gained against the wind should not be surrendered to flex, brake rub or questionable handling. The Ordu OME is more aerodynamic than its predecessor and is significantly stiffer as well. This translates to a faster bike that handles better and delivers more power to the road.

FRAME FRONT DEFLECTION (MILLIMETERS)

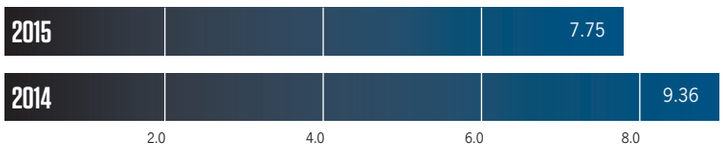
ORDU OME VS Ordu Silver



1.7MM
17% STIFFER

FRAME REAR DEFLECTION (MILLIMETERS)

ORDU OME VS Ordu Silver



1.61MM
16% STIFFER



The global stiffness test is used by manufacturers to measure frame deflection. The rear dropout is fixed in place and a force applied to the side of the headtube flexes the entire frame. The amount of movement at the headtube for a given force is recorded in millimeters.


challenge
ELITE
meilen 55
BONT

TRIATHLON GEOMETRY

Beyond any other factor in high-performance cycling, synergy between rider and bike is our foremost consideration. We designed the Ordu OME using a fit-first philosophy. Beginning with Dan Empfield's Stack and Reach concept and drawing from our experience fitting thousands of athletes on triathlon and time trial bikes, we adjusted our fit coordinates to reflect the needs of today's athlete.

Stack and reach are important measurements because they define the spatial relationships of two important contact points between your body and the bike – pedals and handlebars. Stack is the vertical distance the center of the bottom bracket to the top of the headtube. Reach is the horizontal distance from the center of the bottom bracket to that same point - the top, centerline of the headtube. An understanding of stack and reach can explain why many small bikes don't fit well. There are instances in the market when the smallest sizes do not offer shorter reach measurements and do not bring the headtube (therefore the handlebars) any closer to the rider than the next bigger size.

What we're suggesting is an lution in bike geometry. It's a different way to look at how to design and build bike frames that allows the Ordu OME to fit a wider range of riders and follow a more linear size progression.
The new size range includes XS, SM, MD, and LG sizes and ensures that anyone can ride an Ordu OME, no matter how large or small. The progressive sizing ensures that our XS bike indeed offers the smallest fit and that subsequent sizes grow in a linear and predictable fashion.
The two smaller frame sizes use a fork with a 53mm offset. The larger sizes use a fork with a 45mm offset. This difference, along with a tuned head angle throughout the size range, maintains correct steering and front triangle geometry that takes into account the dynamic interaction between rider and bicycle. The two forks allow the same experience with a well-balanced ride-feel across the entire size range.

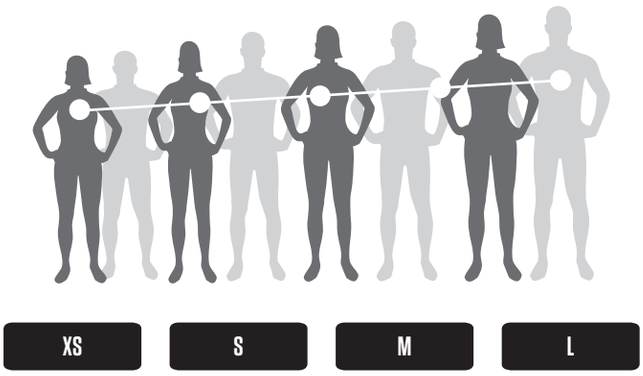
SMART SIZING TO FIT THE WIDEST RANGE OF MEN AND WOMEN

Stack and reach are important measurements because they define the spatial relationships of two important contact points between your body and the bike – pedals and handlebars. Stack is the vertical distance from the center of the bottom bracket to the top of the headtube. Reach is the horizontal distance from the center of the bottom bracket to that same point - the top center of the headtube.

An understanding of stack and reach can explain why many small bikes don't fit well. There are instances in the market when the smallest sizes do not offer shorter reach measurements and do not bring the head tube (therefore the handlebars) any closer to the rider than the next bigger size. How does the manufacturer advertise a full size range then, based on top tube lengths?

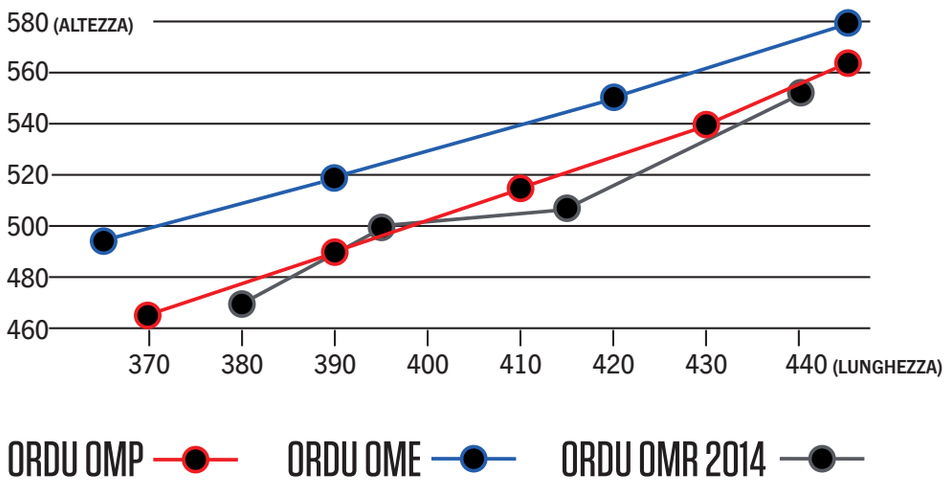
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CONSTISTENT STACK AND REACH SCALING





ORDU OME VS OMR - STACK UND REACH

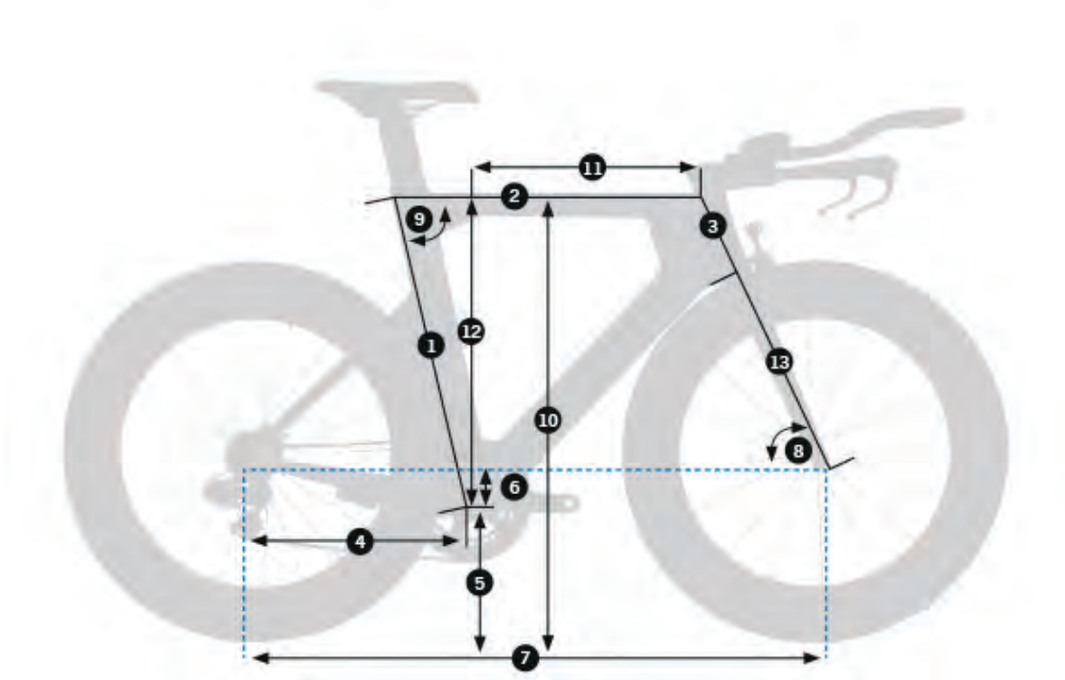


GEO CHARTS

ORDU OME

SIZES	XS	S	M	L
1 - Seat Tube (C-T)	520	550	575	610
2 - Top Tube (EFF)	470	503	539	577
3 - Head Tube	92	120	139	169
4 - Chainstay	405	405	405	405
5 - BB Height	266	266	266	266
6 - BB Drop	73	73	73	73
7 - Wheelbase	969	1002	1010	1044
8 - Head Angle	70,5º	71º	73º	73º
9 - Seat Angle	78º	78º	78º	77º
10 - Standover	749	777	802	835
11 - Reach	365	392	419	443
12 - Stack	495	523	551	580
13 - Fork Length	375	375	375	375

HEIGHT (CM)	HEIGHT (IN)	SIZE
153-162	60-64	XS
163-174	64-69	S
175-185	69-73	M
185-195	73-77	L

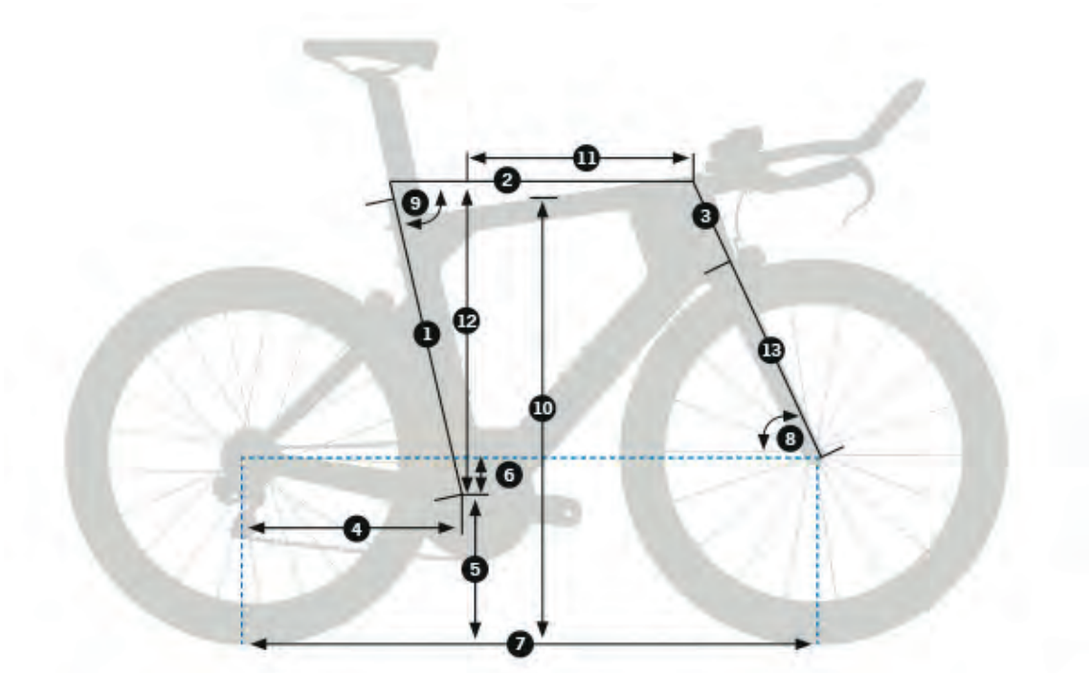


GEO CHARTS

NEW ORDU

SIZES	XS	S	M	L	XL
1 - Seat Tube (C-T)	493	508	533	559	587
2 - Top Tube (EFF)	469	494	519	544	575
3 - Head Tube	71.6	85	103.7	128	154
4 - Chainstay	405	405	405	405	405
5 - BB Height	280	268	268	268	268
6 - BB Drop	60	72	72	72	72
7 - Wheelbase	966	988.5	995.4	1018,7	1041
8 - Head Angle	71º	71º	72.5º	73º	73º
9 - Seat Angle	78º	78º	78º	78º	77º
10 - Standover					
11 - Reach	370	390	410	430	445
12 - Stack	465	490	515	540	565
13 - Fork Length	375	375	375	375	375

HEIGHT (CM)	HEIGHT (IN)	SIZE
152-165	60-65	XS
160-172	63-68	S
167-180	66-71	M
175-187	69-74	L
182-195	72-77	XL





ORDU M10i-LTD

Code	F136

Black (Gloss-Satin)
AA

Blue-Black (Satin)
AB

Size	Crank	Stem	Handlebar
XS	170	90	410
S	170	90	410
M	170	90	410
L	170	90	410
XL	172	90	410

Frame	ORBEA ORDU CARBON OMP, MONOCOQUE, 1” - 1 1/8” MINI TAPERED HEAD TUBE, PF 86MM Ø46MM , POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, VERTICAL DROPOUTS, UCI LEGAL.
Fork	ORBEA ORDU OMP CARBON FORK, ALUMINUM STEERER, 1” - 1 1/8” MINI TAPERED HEAD TUBE.
Crankset	VISION METRON CARBON 39X53T
Headset	FSA 1-1/8”-1” INTEGRATED ALUMINIUM CUP
Handlebar	VISION TRIMAX CARBON SEMI-INTEGRATED J-BEND
Stem	FSA OS-99 CSI
Shifters	SHIMANO SW-671
Brake levers	VISION METRON CARBON
Brakes	TRI RIG OMEGA X STANDART
Rear Derailleur	SHIMANO DURA-ACE 9070 DI2
Front Derailleur	SHIMANO DURA-ACE 9070 DI2
Chain	SHIMANO HG900
Wheels	VISION METRON 55 CARBON CLINCHER
Cassette	SHIMANO DURA-ACE 11-28T 11-SPEED
	SHIMANO DURA-ACE 11-25T 11-SPEED
Tyres	VITTORIA OPEN CX 700X25 320TPI
Pedals	N/A
Seatpost	ORBEA ORDU OMP
Saddle	TGALE TIROX SIZE 132 MM



ORDU M10-LTD

Code	F135

Black (Gloss-Satin)
AA

Blue-Black (Satin)
AB

Size	Crank	Stem	Handlebar
XS	170	90	410
S	170	90	410
M	170	90	410
L	170	90	410
XL	172	90	410

Frame	ORBEA ORDU CARBON OMP, MONOCOQUE, 1” - 1 1/8” MINI TAPERED HEAD TUBE, PF 86MM Ø46MM , POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, VERTICAL DROPOUTS, UCI LEGAL.
Fork	ORBEA ORDU OMP CARBON FORK, ALUMINUM STEERER, 1” - 1 1/8” MINI TAPERED HEAD TUBE.
Crankset	VISION CARBON 39X53T
Headset	FSA 1-1/8”-1” INTEGRATED ALUMINIUM CUP
Handlebar	VISION TRIMAX CARBON SEMI-INTEGRATED J-BEND
Stem	FSA OS-99 CSI
Shifters	SHIMANO BAR END SL-BSR1
Brake levers	VISION METRON CARBON
Brakes	TRI RIG OMEGA X STANDART
Rear Derailleur	SHIMANO DURA-ACE 9000
Front Derailleur	SHIMANO DURA-ACE 9000
Chain	SHIMANO HG900
Wheels	VISION METRON 55 CARBON CLINCHER
	VISION METRON 81 CARBON CLINCHER REAR
Cassette	SHIMANO DURA-ACE 11-28T 11-SPEED
	SHIMANO DURA-ACE 11-25T 11-SPEED
Tyres	VITTORIA OPEN CX 700X25 320TPI
Pedals	N/A
Seatpost	ORBEA ORDU OMP
Saddle	TGALE TIROX SIZE 132 MM



ORDU M20i-LTD

Code	F134

Black (Gloss-Satin)
AA

Blue-Black (Satin)
AB

Size	Crank	Stem	Handlebar
XS	170	90	410
S	170	100	410
M	170	100	410
L	170	100	410
XL	172	100	410

Frame	ORBEA ORDU CARBON OMP, MONOCOQUE, 1” - 1 1/8” MINI TAPERED HEAD TUBE, PF 86MM Ø46MM , POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, VERTICAL DROPOUTS, UCI LEGAL.
Fork	ORBEA ORDU OMP CARBON FORK, ALUMINUM STEERER, 1” - 1 1/8” MINI TAPERED HEAD TUBE.
Crankset	VISION CARBON 39X53T
Headset	FSA 1-1/8”-1” INTEGRATED ALUMINIUM CUP
Handlebar	VISION TRIMAX CARBON SEMI-INTEGRATED J-BEND
Stem	FSA ENERGY
Shifters	SHIMANO SW-671
Brake levers	VISION AERO ALLOY
Brakes	TRI RIG OMEGA X STANDART
Rear Derailleur	SHIMANO ULTEGRA 6870 DI2
Front Derailleur	SHIMANO ULTEGRA 6870 DI2
Chain	FSA TEAM ISSUE
Wheels	VISION METRON 55 CARBON CLINCHER
	VISION METRON 81 CARBON CLINCHER REAR
Cassette	SHIMANO ULTEGRA 6800 11-28T 11-SPEED
	SHIMANO ULTEGRA 6800 11-25T 11-SPEED
Tyres	VITTORIA OPEN CX 700X25 320TPI
Pedals	N/A
Seatpost	ORBEA ORDU OMP
Saddle	TGALE TIROX SIZE 132 MM



ORDU M20-LTD

Code	F133

Black (Gloss-Satin)
AA

Blue-Black (Satin)
AB

Size	Crank	Stem	Handlebar
XS	165	90	410
S	170	90	410
M	170	100	410
L	170	100	410
XL	172	100	410

Frame	ORBEA ORDU CARBON OMP, MONOCOQUE, 1” - 1 1/8” MINI TAPERED HEAD TUBE, PF 86MM Ø46MM , POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, VERTICAL DROPOUTS, UCI LEGAL.
Fork	ORBEA ORDU OMP CARBON FORK, ALUMINUM STEERER, 1” - 1 1/8” MINI TAPERED HEAD TUBE.
Crankset	VISION TRIMAX PRO 38X52T
Headset	FSA 1-1/8”-1” INTEGRATED ALUMINIUM CUP
Handlebar	VISION TRIMAX CARBON
Extension	VISION TRIMAX ALLOY F.A.S.T CLIP-ON 31,8 X230-290MM J-BEND
Stem	FSA GOSSAMER PRO
Shifters	SHIMANO BAR END SL-BSR1
Brake levers	VISION AERO ALLOY
Brakes	VISION TRIMAX AERO
Rear Derailleur	SHIMANO ULTEGRA 6800
Front Derailleur	SHIMANO ULTEGRA 6800
Chain	FSA TEAM ISSUE
Wheels	VISION TRIMAX 30 CLINCHER
	VISION TRIMAX 35 CLINCHER
	VISION METRON 55 CARBON CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	ORBEA ORDU OMP
Saddle	TGALE TIROX SIZE 132 MM



ORDU M20i

Code	F132

Carbon-Red (Satin)
A6

Carbon-White (Satin)
A7

Size	Crank	Stem	Handlebar
XS	165	90	400
S	170	100	400
M	170	100	400
L	172	110	400

Frame	ORBEA ORDU CARBON OME, MONOCOQUE, 1-1/8" HEAD TUBE, PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, VERTICAL DROPOUTS, UCI LEGAL, EXTERNAL BATTERY COMPATIBLE.
Fork	ORBEA ORDU OME CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	VISION TRIMAX PRO 38X52T
Headset	FSA 1-1/8" INTEGRATED CARBON CUP
Handlebar	VISION TRIMAX ALLOY
Extension	VISION TRIMAX ALLOY F.A.S.T CLIP-ON 31,8 X230-290MM J-BEND
Stem	FSA GOSSAMER PRO
Shifters	SHIMANO SW-671
Brake levers	VISION AERO ALLOY
Brakes	FSA GOSSAMER PRO
Rear Derailleur	SHIMANO ULTEGRA 6870 DI2
Front Derailleur	SHIMANO ULTEGRA 6870 DI2
Chain	FSA TEAM ISSUE
Wheels	VISION TEAM 30 CLINCHER
	VISION TRIMAX 35 CLINCHER
	VISION TRIMAX 30 CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	ORBEA ORDU OME
Saddle	PROLOGO ZERO TRI T2,0



ORDU M20

Code	F131

Carbon-Red (Satin)
A6

Carbon-White (Satin)
A7

Size	Crank	Stem	Handlebar
XS	165	90	400
S	170	100	400
M	170	100	400
L	172	110	400

Frame	ORBEA ORDU CARBON OME, MONOCOQUE, 1-1/8" HEAD TUBE, PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, VERTICAL DROPOUTS, UCI LEGAL, EXTERNAL BATTERY COMPATIBLE.
Fork	ORBEA ORDU OME CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	VISION TRIMAX PRO 38X52T
Headset	FSA 1-1/8" INTEGRATED CARBON CUP
Handlebar	VISION TRIMAX ALLOY
Extension	VISION TRIMAX ALLOY F.A.S.T CLIP-ON 31,8 X230-290MM J-BEND
Stem	FSA GOSSAMER PRO
Shifters	SHIMANO BAR END SL-BSR1
Brake levers	VISION AERO ALLOY
Brakes	FSA GOSSAMER PRO
Rear Derailleur	SHIMANO ULTEGRA 6800
Front Derailleur	SHIMANO ULTEGRA 6800
Chain	FSA TEAM ISSUE
Wheels	VISION TEAM 30 CLINCHER
	VISION TRIMAX 35 CLINCHER
	VISION TRIMAX 30 CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	ORBEA ORDU OME
Saddle	PROLOGO ZERO TRI T2,0



ORDU M30

Code	F130

Carbon-Red (Satin)
A6

Carbon-White (Satin)
A7

Size	Crank	Stem	Handlebar
XS	165	90	400
S	170	100	400
M	170	100	400
L	172,5	110	400

Frame	ORBEA ORDU CARBON OME, MONOCOQUE, 1-1/8" HEAD TUBE, PF 86MM, POWERMETER COMPATIBLE, INTERNAL CABLE ROUTING, EC/DC COMPATIBLE, 130MM REAR SPACING, VERTICAL DROPOUTS, UCI LEGAL, EXTERNAL BATTERY COMPATIBLE.
Fork	ORBEA ORDU OME CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	FSA GOSSAMER 36X52T
Headset	FSA 1-1/8" INTEGRATED CARBON CUP
Handlebar	VISION TRIMAX ALLOY
Extension	VISION TRIMAX ALLOY F.A.S.T CLIP-ON 31,8 X230-290MM J-BEND
Stem	ORBEA OC-II
Shifters	SHIMANO BAR END SL-BSR1
Brake levers	VISION AERO ALLOY
Brakes	ORBEA OC-II
Rear Derailleur	SHIMANO 105 5800
Front Derailleur	SHIMANO 105 5800
Chain	FSA TEAM ISSUE
Wheels	VISION TEAM 25 CLINCHER
	VISION TRIMAX 35 CLINCHER
	VISION TRIMAX 30 CLINCHER
	VISION TEAM 30 CLINCHER
Cassette	SHIMANO 105 5800 11-28T 11-SPEED
	SHIMANO 105 5800 12-25T 11-SPEED
Tyres	VITTORIA RUBINO PRO 700X25 120TPI
Pedals	N/A
Seatpost	ORBEA ORDU OME
Saddle	PROLOGO ZERO TRI T2,0



MTB

LUCKILY, THERE´RE STILL PLACES WHERE YOU CAN GET LOST AND BE HAPPY.

- RALLON
- OCCAM
- LOKI
- OIZ
- ALMA
- MX


5


ORBEA
MAXXIS
DT SWISS

WE MAY NOT BE RACING BUT THAT DOESN'T MEAN I AM NOT TRYING TO BEAT YOU ;-)

Time flies, it slips away and we can never have enough of it. What would you do with a little extra? We can't turn back the clock on a misspent youth but the speed of the new Rallon gives you a few precious seconds to write your own story on the mountain.
Grab a few extra raspy breaths at the top of the climb. Whip instead of tuck. Knock your buddy off the leader board. Take the fun line instead of the easy line. Pull a snack from your pack or post a pic to instagram. Sometimes a few seconds can seem like all the time in the world.

RDLLON

WHAT MAKES RALLON UNIQUE?

Rallon is a no-holds-barred gravity specialist. Riders who want maximum performance going down will love the suspension and geometry.

Rallon is great for enduro, bike park riding or even flatter downhill courses that don't demand a DH-specific bike. The Rallon rider loves technical singletrack and doesn't mind the added weight of Rallon when climbing.

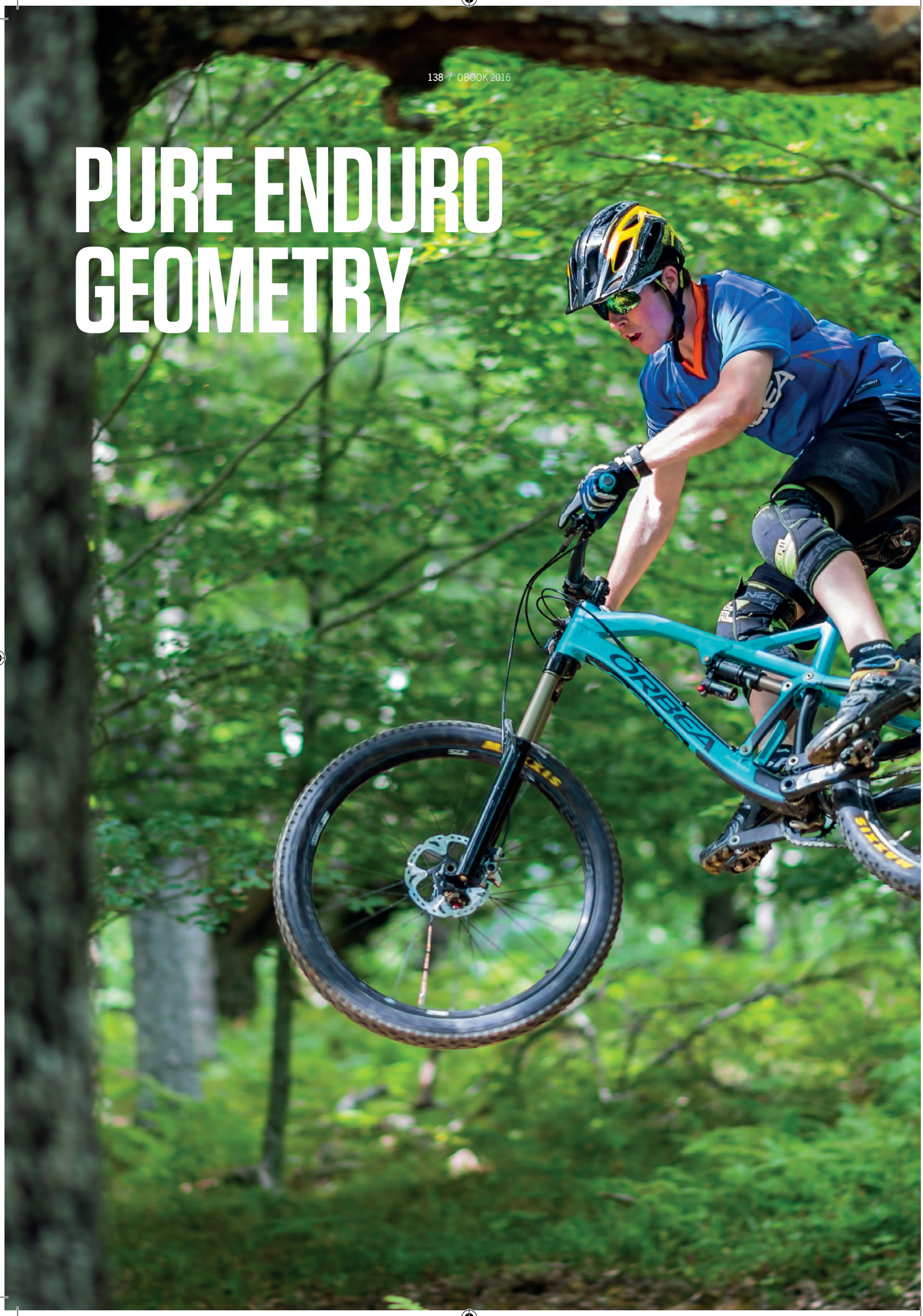
01/ PURE ENDURO GEOMETRY

02/ NEXT LEVEL SUSPENSION

03/ CONSTRUCTION AND TECHNOLOGY


O'NEAL
O'NEAL
O'NEAL
NEXT

PURE ENDURO GEOMETRY



GEOMETRY UPDATED

Great stability at speed through rough terrain.
Low bottom bracket. 14mm/21mm lower than previous Rallon > Corners naturally with low center of gravity.
Short chainstays. 420mm > Agility and maneurability especially at low speeds
Long cockpit. 11mm longer effective top tube, 25mm longer reach from R3 > Optimum balance and weight distribution.
Long wheelbase. 40mm longer than R3 > Better stability at high speeds.
Forward pedaling position. 75º/74.5º > Better pedaling position even with generous SAG.
Adjustable geo. A simple rotation of the shock mount pin drops the BB 7mm and slackens angles by 5º.



RALLON EVOLUTION

		RALLON 2014	RALLON 2016
GEOMETRY	HEAD ANGLE	66.5º/66º	66º/65.5º
	REACH	442mm	447mm
	HEADTUBE LENGTH	120mm	130mm
STRUCTURE	REAR PIVOT DESIGN	C9/12	CONCENTRIC BOOST
	REAR SPACING	142mm	BOOST 148
	FRONT DERAILLEUR MOUNT	HIGH D-MOUNT	REMOVABLE
	CABLE ROUTING	INTERNAL FD	4x CABLE HIGHWAY

NEXT LEVEL SUSPENSION

ADVANCED DYNAMICS

Advanced Dynamics is the heart of every orbea suspension bike. It is a process we developed in conjunction with CEIT (Technological Research and Studies Center of Gipuzkoa, Basque Country) that allows us to model and test our suspension platforms. Using a vast database of shock tunes and component behaviors we can study a design under a virtual rider that exerts forces on the pedals, saddle and handlebars. We can shape the simulations to evaluate different variables – rider height, weight, riding style – on different tracks. even tire pressures can be tested and recorded before a welding torch is lit. This virtual test process allows us to optimize our suspension designs before the prototyping and field testing phases. When the Tyres finally hit the dirt we can focus instead on fine-tuning damper characteristics and spring curves with our expert suspension partners. This is the obsessive tinkering that turns a good bike into a great one.



1 DATA COLLECTION - VIRTUAL MODELING

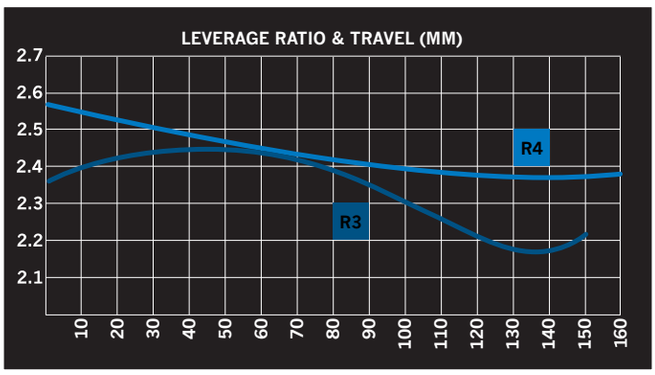
2 DESIGN - OPTIMIZATION THROUGH SOFTWARE



3 PROTOTYPING - SUSPENSION TUNING

LEVERAGE CURVE AND TRAVEL

Offers maximum tuning capability with 10% progression to help suspension ride higher and recover faster. Extreme sensitivity. Small bump compliance for optimum traction in flat turns and washboard terrain. Maximum progressivity at full travel. Limits bottom out forces to frame, suspension and rider. High Pivot Point. Great DH performance with improvements in pedaling efficiency due to natural anti-squad.



NEXT LEVEL SUSPENSION

Modified extensively from R3 and early prototypes refined with input from BOS and Fox.



CONSTRUCTION AND TECHNOLOGY



TRICONE ALLOY

Refined. Premium. 3.15kg medium frame/shock weight. Efficient. Hollow rocker arm and proprietary yoke and dropout parts are light and stiff. Tested. Quicker and more extensive testing of geometry as race tracks and trail riding evolve. Suspension prioritized. Frame cost is kept lower with sophisticated suspension being the highest priority.



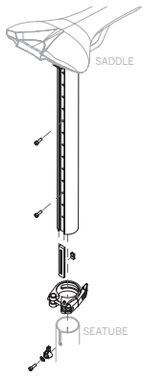
CONCENTRIC C-12

The Rallon C-12 pivot system is based around a concentric pivot at the rear axle. It is simpler, lighter, and stiffer. This system is compatible with standard quick release and 12x142mm thru-axle rear hubs. The concentric pivot design also allows for a stronger, quieter post-mount disc brake attachment.



BOOST 148

Increasing rear axle spacing to 148mm over the 142mm standard moves the chainline outboard by 3mm, increasing the space available at the bottom bracket. This doesn't sound like much but means that chainstays can be 10mm shorter without sacrificing tire clearance or swingarm rigidity. All of it adds up to more durability, nimble handling and a bike that tracks better through rough terrain.



DIGIT SEATPOST

The ability to quickly adjust saddle height for trail conditions spawned the dropper post revolution, but is there a simpler and more reliable solution? Dropper posts are certainly convenient but their price and need for maintenance make them impractical for many trail riders. The patent-pending Orbea Digit Post makes it significantly quicker and easier to stop and adjust saddle height during a ride.

The Digit Post and Clamp utilize a clever range limiting system so the upper seat height is quickly found by opening the cam and pulling. The post will stop at your own perfect pedaling position. A groove and adjustable block built into the post and clamp keep the saddle properly aligned in the plane of the bicycle.

The lever itself is smooth and easy to snap open and closed. By utilizing a mechanical cam instead of a friction interface, Digit provides the smoothest-feeling quick release lever available.


ORBEA
MAXXIS
MAXXIS

FEATURES

DROPPER POST ROUTING
The Downtube Cable Highway system on the Rallon includes space for three cables/hoses. One space is intended for a dropper seatpost remote. The cable or hose runs along the left side of the top of the downtube and can be run up the seat tube internally for use with a RockShox Reverb Stealth or externally for any other dropper post.



FRAME PROTECTIOIN
The Rallon frameset includes a dual-compound chainstay protector. It is bombproof, snaps around the chainstay for security, and acts to armor the frame from rock strikes or chain slap. It protects your bike and makes it quieter too.





DIRECT POST MOUNT 180
The Direct Post Mount allows the disc brake caliper to bolt directly to frame without the use of an adapter. It is a simpler, stronger, and lighter system this way. It also serves to minimize vibration and, therefore, unwanted brake noise. The Direct Post Mount system on the Rallon is designed for use with 180mm or larger rotors.



C-12
The Rallon C-12 pivot system is based around a concentric pivot at the rear axle. It is simpler, lighter, and stiffer. This system is compatible with standard quick release and 12x142mm thru-axle rear hubs. The concentric pivot design also allows for a stronger, quieter post-mount disc brake attachment.



ISCG 05
The Rallon bottom bracket shell features removable ISCG 05 chainguide tabs to allow you the ability to mount a chain retention device if you choose. It is the current standard for mount design, and it is possible to customize the level of chain retention with readily available aftermarket systems.



DOWNTUBE CABLE HIGHWAY
The Downtube Cable Highway keeps things tidy and simple on the Rallon. The cables run along the upper part of the downtube before looping gently, near the pivot point, towards the rear derailleur and rear brake. This routing system looks great, and it prevents cable rub and unwanted bulging when the suspension system moves through its travel range. This system increases performance and decreases maintenance.





ADJUSTABLE GEO
The Adjustable Geo on the Rallon allows you to make small, but effective adjustments to custom tune the ride and behavior of the Rallon for a variety of trail conditions. A simple rotation of the eccentric shock mount hardware can change the angles by 0.5° and the bottom bracket height by 7mm. Use the lower setting for ultra-high speed descents where a low center-of-gravity and steering stability is paramount. Use the higher setting for more technical trails where quicker steering and more ground clearance is desirable.

ENDURO MAX BLACK OXIDE
The Rallon uses Enduro Max Black Oxide bearings at the suspension pivot points. These bearings are made specifically for extreme use - each cartridge is assembled without retainers to maximize space for more balls – 40% more balls than a standard bearing. The balls are grade 10 to ensure super smooth performance, and the black oxide coating resists corrosion to ensure that they stay that way. They also use a double lip seal to offer maximum protection against the intrusion of contaminants. And just in case, each cartridge is packed with CRC Marine Grease for maximum protection and lubrication in the harshest conditions.

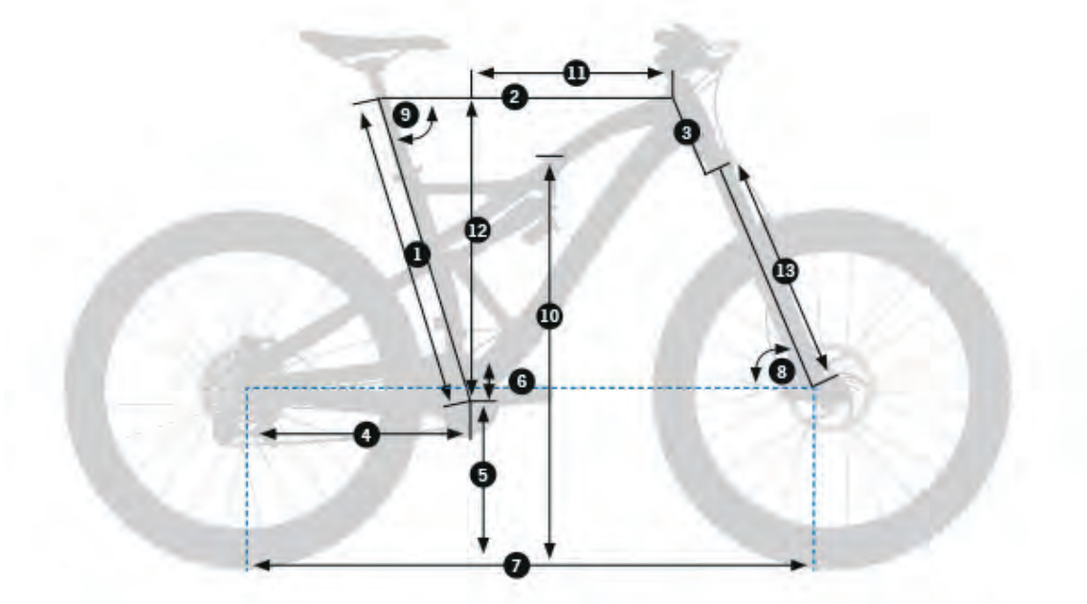


GEO CHARTS

RALLON

SIZES	S	M	L
1 - Seat Tube (C-T)	420	455	495
2 - Top Tube (EFF)	587	611	640
3 - Head Tube	120	130	145
4 - Chainstay	420	420	420
5 - BB Height	345/338	345/338	345/338
6 - BB Drop	0/7 (GEOMETRY CHANGE)	0/7 (GEOMETRY CHANGE)	0/7 (GEOMETRY CHANGE)
7 - Wheelbase	1159	1184	1215
8 - Head Angle	66º/65,5º(GEOMETRY CHANGE)	66º/65,5º(GEOMETRY CHANGE)	66º/65,5º(GEOMETRY CHANGE)
9 - Seat Angle	75º/74,5º(GEOMETRY CHANGE)	75º/74,5º(GEOMETRY CHANGE)	75º/74,5º(GEOMETRY CHANGE)
10 - Standover	750	770	790
11 - Reach	425	447	472
12 - Stack	603	612	626
13 - Fork Length	552	552	552

HEIGHT (CM)	HEIGHT (IN)	SIZE
160-175	63-69	S
170-185	67-73	M
180-198	71-78	L



RALLON



RALLON XTEAM

Code	F260

Fluor-Black (Satin)
G3

Green-Black (Satin)
G4

Size	Crank	Stem	Handlebar
S	170	35	800
M	170	50	800
L	170	65	800

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALLOY. ADVANCED DYNAMICS 160MM TRAVEL SUSPENSION. C-BOOST 12X148 REAR AXLE. HOLLOW LINEAR RATIO ROCKER ARM. PURE ENDURO GEOMETRY II. DOWNTUBE CABLE HIGHWAY ROUTING
Shock	BOS KIRK V2 RALLON CUSTOM EVO
Fork	BOS DEVILLE FCV 160 QR15 R4 CUSTOM SETTING
Crankset	RACE FACE NEXT SL 26X36T BOOST (28T RING INCLUDED)
	RACE FACE 28T
	SRAM XX1 28T
	RACE FACE 30T
	RACE FACE 32T
Headset	ORBIT ZS 1”-1/2 SEMI-INTEGRATED
Handlebar	RACE FACE SIXC 35MM RISER 800MM
Stem	RACE FACE ATLAS 35MM INTERFACE
Shifters	SHIMANO XT M8000 I-SPEC
Brakes	SHIMANO XT M8000 HYDRAULIC DISC
	SHIMANO XTR TRAIL M9020 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR GS SHADOW PLUS
Chain	SHIMANO HG700
	MRP AMG CHAINGUIDE 26-32T (1X ONLY)
Wheels	DT SPLINE E-1700 TLR 15/100MM CL
	DT SPLINE XMC-1200 TLR CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS ARDENT 2,40” TLR 60 TPI EXO DUAL
	MAXXIS HIGH ROLLER II 2.40” 60 TPI 3C EXO
	MAXXIS HIGH ROLLER II 2.40” TLR 60 TPI 3C EXO (REAR)
Pedals	N/A
Seatpost	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M5

RALLON



RALLON X10

Code	F259

Fluor-Black (Satin)
G3

Green-Black (Satin)
G4

Size	Crank	Stem	Handlebar
S	170	50	760
M	170	50	760
L	170	70	760

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALLOY. ADVANCED DYNAMICS 160MM TRAVEL SUSPENSION. C-BOOST 12X148 REAR AXLE. HOLLOW LINEAR RATIO ROCKER ARM. PURE ENDURO GEOMETRY II. DOWNTUBE CABLE HIGHWAY ROUTING
Shock	FOX FLOAT X DPS FACTORY 3-POSITION ADJUST LV EVOL KASHIMA CUSTOM TUNE 215X63MM
	BOS KIRK R4 CUSTOM EVO
Fork	FOX 34 FLOAT FACTORY 160 FIT4 3-POSITION ADJUST QR15 KASHIMA
	BOS DEVILLE FCV 160 QR15 R4 CUSTOM SETTING
Crankset	RACE FACE AEFFECT SL 26X36T BOOST
	RACE FACE 28T
	SRAM XX1 28T
	RACE FACE 30T
	RACE FACE 32T
	2X11 TRANSMISION
	SHIMANO XT M8000-B2 26X36T
Headset	ORBIT ZS 1"-1/2 SEMI-INTEGRATED
Handlebar	RACE FACE AEFFECT 35MM RISER 760MM
	RACE FACE SIXC 35 RISER 800MM+ATLAS 35 KIT (BAR+STEM)
Stem	RACE FACE AEFFECT 35MM INTERFACE
Shifters	SHIMANO XT M8000 I-SPEC (B-TYPE)
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M8000 GS SHADOW PLUS
Chain	SHIMANO HG700
	MRP AMG CHAINGUIDE 26-32T (1X ONLY)
Wheels	DT SPLINE E-1900 TLR 15/100MM CL
	DT SPLINE E-1700 TLR CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS ARDENT 2,40" TLR 60 TPI EXO DUAL
	MAXXIS HIGH ROLLER II 2.40" 60 TPI 3C EXO
	MAXXIS HIGH ROLLER II 2.40" TLR 60 TPI 3C EXO (REAR)
Pedals	N/A
	SHIMANO M520
Seatpost	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M7

RALLON



RALLON X30

Code	F258

Fluor-Black (Satin)
G3

Green-Black (Satin)
G4

Size	Crank	Stem	Handlebar
S	170	60	760
M	170	60	760
L	170	70	760

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALLOY. ADVANCED DYNAMICS 160MM TRAVEL SUSPENSION. C-BOOST 12X148 REAR AXLE. HOLLOW LINEAR RATIO ROCKER ARM. PURE ENDURO GEOMETRY II. DOWNTUBE CABLE HIGHWAY ROUTING
Shock	FOX FLOAT DPS PERFORMANCE 3-POSITION CUSTOM TUNE 215X63MM
	BOS KIRK R4 CUSTOM EVO
	FOX FLOAT X DPS FACTORY 3-POSITION KASHIMA 215X63MM
Fork	FOX 34 FLOAT PERFORMANCE 160 FIT4 3-POSITION QR15
	BOS DEVILLE FCV 160 QR15 R4 CUSTOM SETTING
	FOX 34 FLOAT FACTORY 160 FIT4 3-POSITION ADJUST QR15 KASHIMA
Crankset	RACE FACE AEFFECT 22X36T BOOST W/BASHGUARD
	SHIMANO M627-B 22X36T
Headset	ORBIT ZS 1"-1/2 SEMI-INTEGRATED
Handlebar	ORBEA OC-II RISER 760MM
	RACE FACE AEFFECT 35 RISER 760MM KIT (BAR+STEM)
Stem	RACE FACE RIDE
Shifters	SHIMANO SLX M670 I-SPEC
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO SLX GS SHADOW PLUS
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	KMC X10
Wheels	MACH1 KLIXX 23C TUBELESS READY
	DT SPLINE E-1900 TLR CL+MAXXIS TLR TIRES
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS HIGH ROLLER II 2.40" FB 60 TPI EXO
	MAXXIS ARDENT 27.5X2.40 FB 60TPI
	MAXXIS HIGH ROLLER II 2.40"TLR(FRONT)/ARDENT 2,40" TLR(REAR)
	MAXXIS HIGH ROLLER II 2.4" FB 60 TPI EXO (REAR)
Pedals	N/A
	SHIMANO M520
Seatpost	ORBEA DIGIT 31.6X400MM
	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	SELLE ROYAL J-2062 TRAIL CUSTOM
	FIZIK GOBI M7



WELCOME HOME.

Singletrack filled with rocks and roots. Loose climbs that take finesse to finish without walking. Steep, dark chutes through huge trees and over decaying logs. Ledgy switchbacks that you have only ridden that one time when you were in the zone. With all the buzz surrounding Enduro, e Bikes, Fat Bikes and wheel size, it's easy to forget that THIS is what mountain biking is all about. Escaping your daily routine to ride your bike anywhere, on any trail, until you can't ride any further. This is why you began and this is why you keep coming back.

OCCAM

WHAT MAKES OCCAM UNIQUE?

Of all the materials used to build bicycle frames, carbon composites offer the most advantageous blend of low weight, high strength and ease of manipulation. What we do with the composites – the selection of materials and how they are used – is key to the final result. Thoughtful design allows us to create a range of Orbeas that can be optimized for performance, comfort, ruggedness or value. What are these considerations? How was the amazing "living" machine in front of you brought to life from a pile of fibers, resin and steel molds?

01/ LIGHT & SIMPLE

02/ FAST & EFFICIENT

03/ STIFF & STRONG

04/ SMART & ATTAINABLE

05/ MADE FOR SATISFACTION


POC
ORBEA
MAXXIS
FOX

LIGHT & SIMPLE



OCCAM CARBON

Of all the materials used to build bicycle frames, carbon composites offer the most advantageous blend of low weight, high strength and ease of manipulation. What we do with the composites – the selection of materials and how they are used – is key to the final result. Thoughtful design allows us to create a range of Orbeas that can be optimized for performance, comfort, ruggedness or value. What are these considerations? How was the amazing "living" machine in front of you brought to life from a pile of fibers, resin and steel molds?

RELIABILITY

Eliminating bonded areas increases strength. The pivotless rear end of the Occam is elegantly simple, removing bearings, axles and stress risers. The lifetime warranty assures your Orbea will be a long-time companion.

LIGHTNESS

Optimized layups and fewer frame pieces reduces weight. We save approximately 120g by eliminating bearings and pivots at the rear wheel..

STIFFNESS

Single uniform structures are better optimized to resist deflection. By reducing the number of joints and pivots, larger carbon structures are tuned to deliver maximum stiffness without weight penalties.

FULL CARBON

Engineering a frame that uses as much carbon as possible of course saves weight but it also contributes to the sophistication and refinement of the Occam. Occam is not about shortcuts.



ORBEA MONOCOQUE RACE
Orbea Monocoque Race (OMR) frames blend high modulus fibers and high strength fibers exclusively. Prepreg carbon sheets are laser cut to minimize excess materials and overlap, and hours of premolding ensure optimal compaction with the smallest amount of carbon. A full EPS (Expanded Polystyrene) mold is used to eliminate wrinkles and imperfections.

OCCAM OMR USES THE MOST TECHNOLOGICALLY ADVANCED CARBON CONSTRUCTION AVAILABLE SO THAT YOU CAN CLIMB FASTER AND RIDE LONGER. A COMPLEX AND PAINSTAKING PROCESS THAT DELIVERS A SIMPLE EXPERIENCE.

UFO TECHNOLOGY
We've done away with the pivot point at the rear axle. The flexible seatstay UFO technology developed for our World Championship-winning Oiz has been adopted for the new Occam. With this innovation, we make an ultralight bike that requires little maintenance and is laterally stiffer for precision like you've never felt in a full suspension bike.

The secret lies in the shape and materials. When properly handled, carbon can be bent. We placed the fibers and shaped the seatstays in such a way that they are allowed to flex without a pivot but deformation doesn't ever approach the critical point. This technology, which has been long in use in F1 cars, delivers unrivaled weight-stiffness balance.

FAST & EFFICIENT



ORBEA TR/AM TRAIL GEOMETRY
Bike designs have evolved to show that big wheels are preferred by the majority of riders. 29" and 27.5" wheels are the overwhelming choice for the comfort, stability and speed they impart on the trail.

But fitting 29" wheels on a long-travel bike is a challenging task that often yields unsatisfactory ride characteristics. Stack height, wheelbase and chainstay length can grow to extremes.

The TR/AM Trail Geometry concept divides the Occam family into Occam TR and Occam AM models. Shorter travel TR models take advantage of fast-rolling 29" wheels while the AM varieties pack more bump-eating suspension into a manageable size using 27.5" wheels. Our consistent and proportional stack and reach measurements guarantee that every rider experiences flawless handling in a svelte, fun and fast bike regardless of frame size or wheel size.

LONG REACH
More efficient position with shorter stems

LOW BB
Increased stability with a lower center of gravity

SHORT STAYS
Greater agility and climbing traction

SLACK HEAD ANGLE
More predictable steering in steep, rough terrain

STEEP SEAT ANGLE
Maintains an efficient seated climbing position

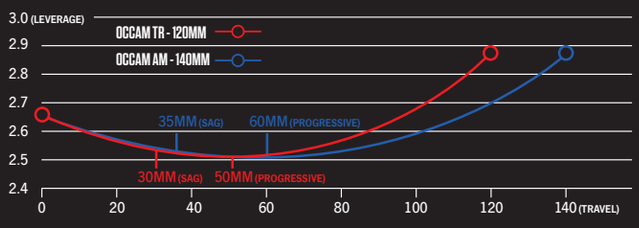
ADVANCED DYNAMICS
ADVANCED DYNAMICS TRANSFORMS VIRTUAL DESIGNS INTO REAL, HIGHLY-REFINED MACHINES - BIKES FOR DEMANDING RIDERS THAT ARE FASTER, MORE FUN TO RIDE AND FAR BEYOND ORDINARY.

Advanced Dynamics is at the heart of every Orbea suspension bike. It is a process we developed in conjunction with CEIT (Centro de Estudios e Investigaciones Tecnológicas) that allows us to model and test our suspension platforms. Using a vast database of shock tunes and component behaviors we can study a design under a virtual rider that exerts forces on the pedals, saddle and handlebars. We can shape the simulations to evaluate different variables – rider height, weight, riding style – on different tracks. Even tire pressures can be tested and recorded before a welding torch is lit.
This virtual test process allows us to optimize our suspension designs before the prototyping and field testing phases. When the Tyres finally hit the dirt we can focus instead on fine-tuning dampercharacteristics and spring curves with our expert suspension partners. This is the obsessive tinkering that turns a good bike into a great one.

01 DATA COLLECTION/VIRTUAL MODELING
02 DESIGN OPTIMIZATION THROUGH SOFTWARE
03 PROTOTYPING/SUSPENSION TUNING

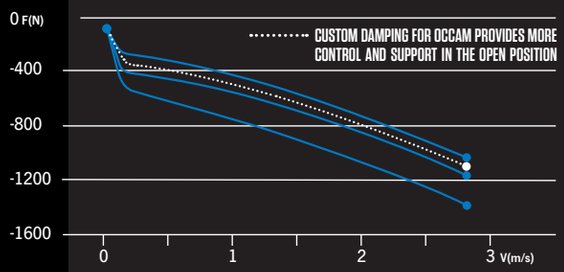
TRAIL SUSPENSION PERFORMANCE
The leverage ratio curve of the Occam is perfect for efficient trail riding. Sag can be set 25-28% for smooth small bump compliance because the leverage ratio decreases slightly for the first 40% of the shock stroke to offer great mid-stroke support. At approximately half travel, the ratio switches to a rising rate to counteract the progressive air spring and large impacts are handled by custom damping.

CURVA DELLE SOSPENSIONI OCCAM



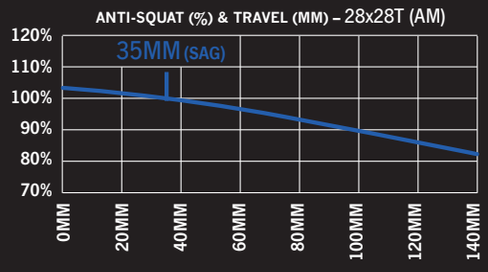
PERFECT CONTROL
Truly customized DPS damping (beyond selecting the standard settings or volume spacers) was developed with Fox to match the characteristics of the suspension design. Custom tuning in the Light (open) circuit minimizes bottom-out forces and keeps the suspension riding high, maintaining geometry and efficiency. Light, Medium and Firm settings are all usable options and volume spacers offer further tuning capabilities.

STANDARD "LIGHT" DAMPER OPTIONS & OCCAM CUSTOM TUNE



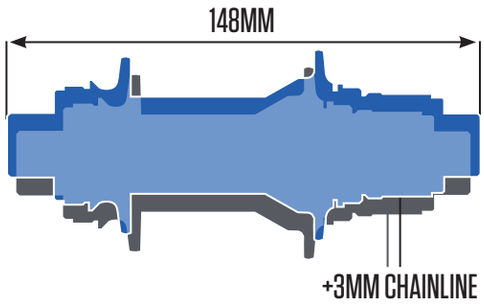
PERFECT BALANCE
The main pivot point on the new Occam is located to work efficiently with both single and double chainring setups. Climbing is smooth and traction is maintained with no energy wasted compressing the suspension.

OCCAM AM - 140MM



STIFF & STRONG





BOOST 148
Increasing rear axle spacing to 148mm over the 142mm standard moves the chain-line outboard by 3mm, increasing the space available at the bottom bracket. This doesn't sound like much but means that chainstays can be 10mm shorter without sacrificing tire clearance or swingarm rigidity. All of it adds up to more durability, nimble handling and a bike that tracks better through rough terrain.

425MM (AM) AND 435MM (TR) CHAINSTAYS KEEP OCCAM NIMBLE AND MAXIMIZE SWINGARM STIFFNESS.



MY ORBEA - LIFETIME WARRANTY
We have total confidence in our products and our tireless efforts to ensure that Orbea bicycles are of the highest quality enable us to offer you the Orbea Lifetime Warranty. It guards against defects in materials and workmanship and is activated using the unique registration number you'll find on the down tube.

We'll have a record of your bike should it get stolen, and you'll be able to take part in drawings and events. You'll also have access to the latest news about Orbea, our sponsored teams and riders and new product development.



MYO
We place a host of possibilities in your hands for the creation of your bike. We know that youlike to make your own choices. For this reason, Orbea offers you options for bike color, component specifications, size and ergonomics – stem length, handlebar width, and crank length. In short, your bike is truly yours. It will be created by you and for you.



PF92
Occam uses a PressFit (PF92) bottom bracket shell, creating a massive structure in this critical area – a wide, flex-free mounting point for the main pivot. The wider shell ensures optimal stiffness and larger bearings with better seals offer increased durability, reduced maintenance and friction.

SMART & ATTAINABLE

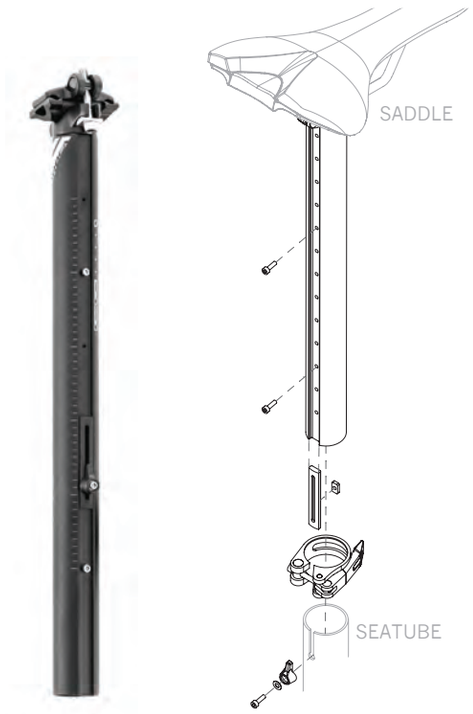


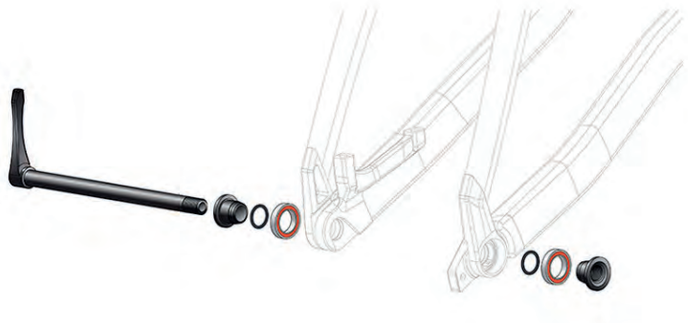
OCCAM HYDRO

The Alloy version of Occam may cause you to look twice - we worked hard to match the tube shapes and clean lines of the carbon frame with hydroformed aluminum. The result is a sleek and powerful Occam Hydro that is distinctive and refined. The suspension design is tweaked slightly with the addition of our Concentric Boost rear pivot, the simplest and cleanest concentric design available.

Shocks are shared with the carbon version and the same Advanced Dynamics process ensures a lively ride that is adapted perfectly to trail riding conditions. Living up to the promise of the carbon models, Occam Hydro adds fun and efficiency to the mountain bike experiences you call home.

WE MANIPULATE THE SHAPES AND WALL-THICKNESS OF OUR ALUMINUM TUBING TO INCREASE STRENGTH AND RESISTANCE TO UNWANTED FLEX. MANY OF THE TUBES ARE BUTTED TO SAVE WEIGHT IN THE MIDDLE OF THE TUBES, AWAY FROM THE STRESS OF THE JOINTS AND THE WELD ZONES. USING ALUMINUM TECHNOLOGIES AS ADVANCED AS OUR CARBON MANUFACTURING ENSURES OUR ALUMINUM BIKES ARE NEVER SECOND-BEST.





DIGIT SEAT POST
The ability to quickly adjust saddle height for trail conditions spawned the dropper post revolution, but is there a simpler and more reliable solution? Dropper posts are certainly convenient but their price and need for maintenance make them impractical for many trail riders. The patent-pending Orbea Digit Post makes it significantly quicker and easier to stop and adjust saddle height during a ride.

The Digit Post and Clamp utilize a clever range limiting system so the upper seat height is quickly found by opening the cam and pulling. The post will stop at your own perfect pedaling position. A groove and adjustable block built into the post and clamp keep the saddle properly aligned in the plane of the bicycle.

The lever itself is smooth and easy to snap open and closed. By utilizing a mechanical cam instead of a friction interface, Digit provides the smoothest-feeling quick release lever available.

CONCENTRIC BOOST
Look at the rear of the Hydroformed Aluminum Occam. What do you see? Nothing? Look again. There is a unique concentric pivot assembly at the intersection of the chainstay and swing arm. A concentric pivot minimizes weight and increases stiffness by doing away with forged suspension yokes.

With the introduction of the Boost format 12MM x 148MM through axle, the entire assembly has been simplified because the constraint of 10MM Quick Release axle compatibility is removed.

CONCENTRIC BOOST USES THE 12MM X 148MM BOOST AXLE STANDARD

FEATURES

ESSENTIAL TRAIL
THE SMALL DETAILS THAT ENSURE YOUR OCCAM ISN'T JUST GOOD, IT'S GREAT.

ENDURO BEARINGS
Enduro-brand sealed bearings replace shock bushings and are used throughout for ultimate suspension performance.

CHAIN DROP FIN
Carbon models include a light alloy direct-mount protector fin to help keep the chain from dropping onto the frame.



ICR
ICR (Internal Cable Routing) is carefully guided along the best path with no rub or binding. Thanks to full cable housing, contamination is lessened and friction reduced by up to 25%.

PM DIRECT
Why have an adapter for the rear brake caliper when it can be mounted directly to the chainstay? We did away with two bolts and an extra part, creating a simple, clean and rigid setup.

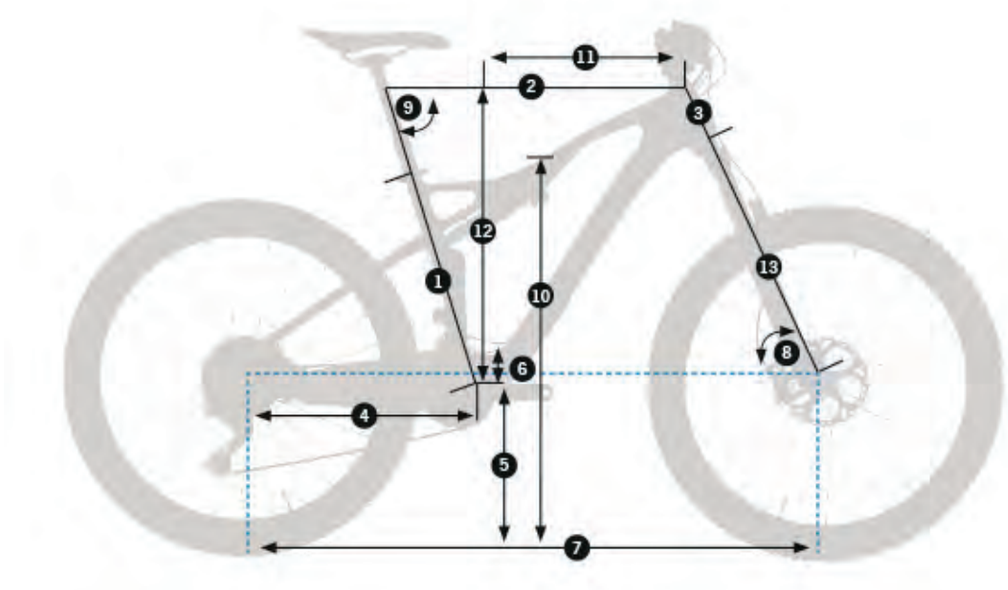
DM FD
Occam has a direct-mount front derailleur interface that is ready for traditional, side-swing, new XTR or electronic shifting options. The mount is removable if you choose a 1X crankset.

GEO CHARTS

OCCAM AM OMR

SIZES	27 - S	27 - M	27 - L
1 - Seat Tube (C-T)	393	432	470
2 - Top Tube (EFF)	563	590	612
3 - Head Tube	110	120	130
4 - Chainstay	425	425	425
5 - BB Height	340	340	340
6 - BB Drop	15	15	15
7 - Wheelbase	1121	1149	1173
8 - Head Angle	67º	67º	67º
9 - Seat Angle	75º	75º	75º
10 - Standover	713	741	768
11 - Reach	406	431	450
12 - Stack	585	595	604
13 - Fork Length	527,7	527,7	527,7

HEIGHT (CM)	HEIGHT (IN)	SIZE
150-165	59-65	S
160-175	63-69	M
170-185	67-73	L

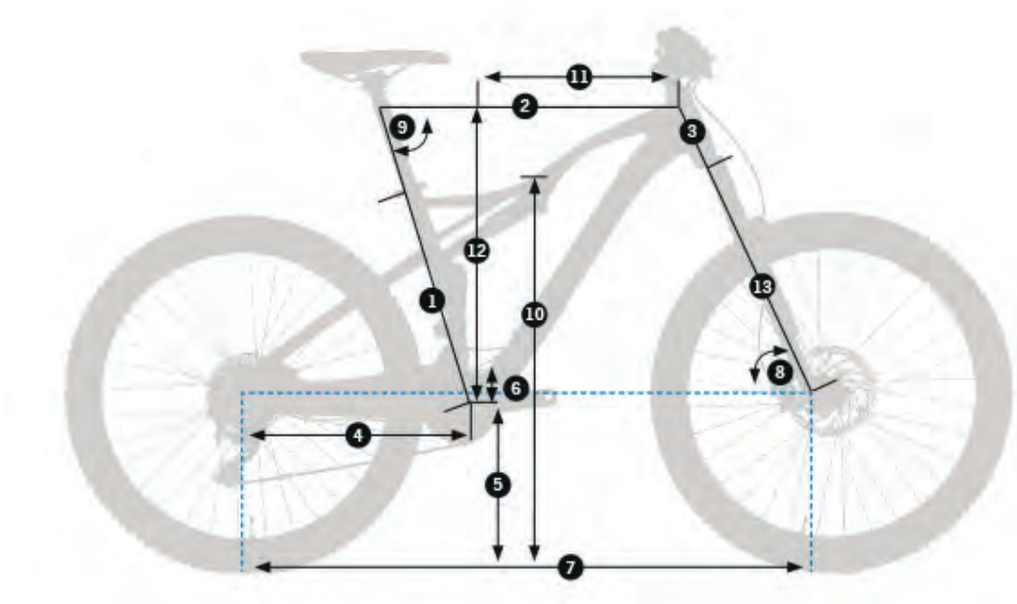


GEO CHARTS

OCCAM AM HYDRO

SIZES	27 - S	27 - M	27 - L
1 - Seat Tube (C-T)	393	432	470
2 - Top Tube (EFF)	563	590	612
3 - Head Tube	110	120	130
4 - Chainstay	425	425	425
5 - BB Height	340	340	340
6 - BB Drop	15	15	15
7 - Wheelbase	1121	1149	1173
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9 - Seat Angle	75º	75º	75º
10 - Standover	713	741	768
11 - Reach	406	431	450
12 - Stack	585	595	604
13 - Fork Length	527,7	527,7	527,7

HEIGHT (CM)	HEIGHT (IN)	SIZE
150-165	59-65	S
160-175	63-69	M
170-185	67-73	L

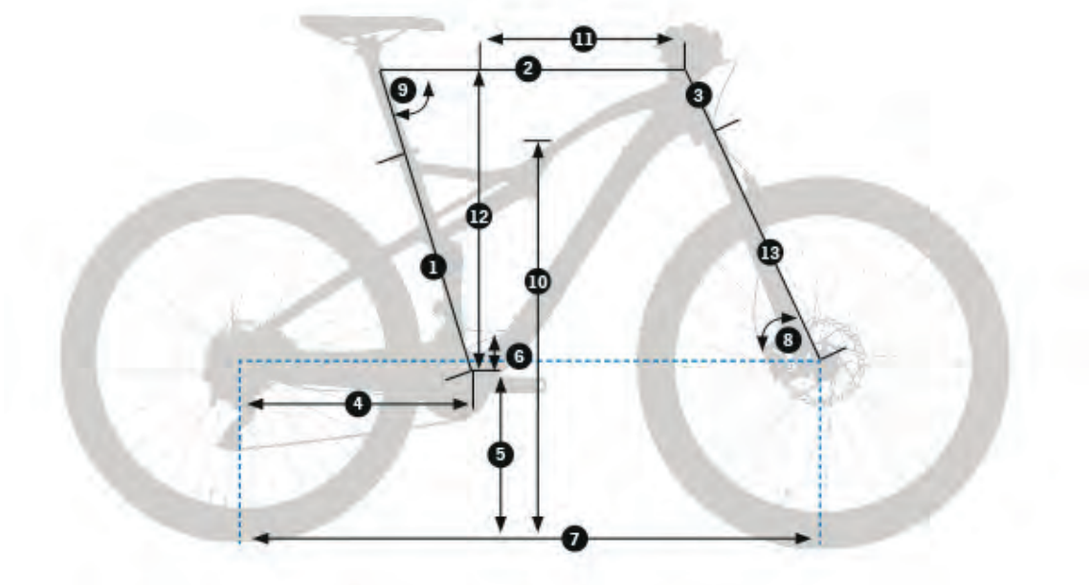


GEO CHARTS

OCCAM TR OMR

SIZES	29 - M	29 - L	29 - XL
1 - Seat Tube (C-T)	432	470	520
2 - Top Tube (EFF)	599	621	647
3 - Head Tube	115	125	140
4 - Chainstay	435	435	435
5 - BB Height	340	340	340
6 - BB Drop	35	35	35
7 - Wheelbase	1150	1173	1201
8 - Head Angle	68º	68º	68º
9 - Seat Angle	74,5º	74,5º	74,5º
10 - Standover	743	769	782
11 - Reach	431	450	472
12 - Stack	606	615	629
13 - Fork Length	520,8	520,8	520,8

HEIGHT (CM)	HEIGHT (IN)	SIZE
160-175	63-69	M
170-185	67-73	L
180-198	71-78	XL

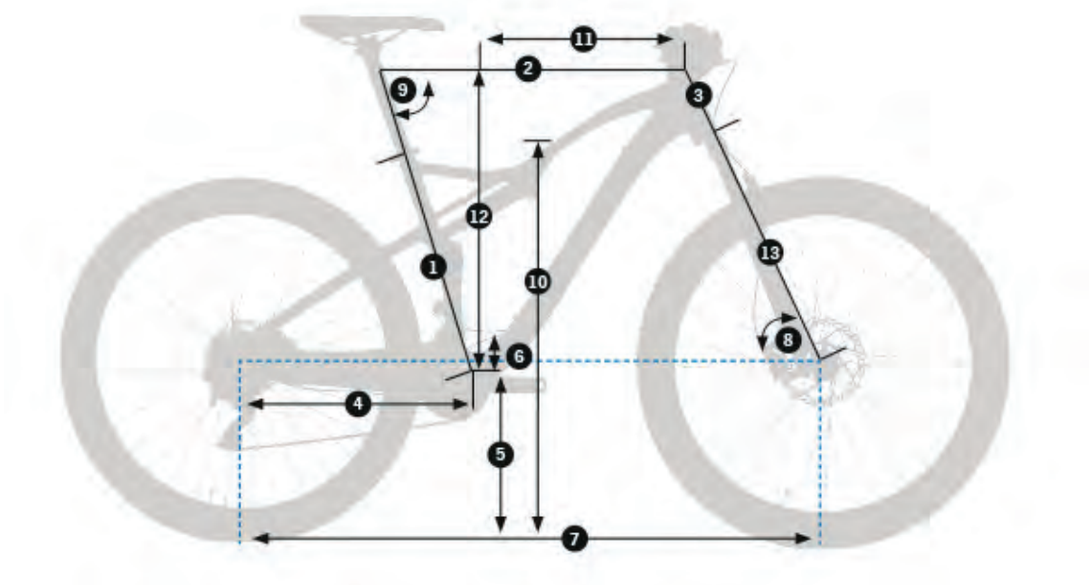


GEO CHARTS

OCCAM TR HYDRO

SIZES	29 - M	29 - L	29 - XL
1 - Seat Tube (C-T)	432	470	520
2 - Top Tube (EFF)	599	621	647
3 - Head Tube	115	125	140
4 - Chainstay	435	435	435
5 - BB Height	340	340	340
6 - BB Drop	35	35	35
7 - Wheelbase	1150	1173	1201
8 - Head Angle	68º	68º	68º
9 - Seat Angle	74,5º	74,5º	74,5º
10 - Standover	743	769	782
11 - Reach	431	450	472
12 - Stack	606	615	629
13 - Fork Length	520,8	520,8	520,8

HEIGHT (CM)	HEIGHT (IN)	SIZE
160-175	63-69	M
170-185	67-73	L
180-198	71-78	XL



OCCAM AM



OCCAM AM M-LTD

Code	F251

Green (Satin)
DB

Orange (Gloss)
DD

Size	Crank	Stem	Handlebar
S	170	50	760
M	175	50	760
L	175	70	760

Frame	ORBEA MONOCOQUE RACE CARBON. ADVANCED DYNAMICS 140MM SUSPENSION WITH UFO TECHNOLOGY. 27,5" WHEELS. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS FACTORY 3-POSITION ADJUST EVOL LV KASHIMA CUSTOM TUNE 200X51MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	FOX 34 FLOAT FACTORY 140 FIT4 3-POSITION ADJUST QR15 KASHIMA
Crankset	RACE FACE 28T
	SRAM XX1 28T
	RACE FACE 30T
	RACE FACE 32T
	2X11 TRANSMISION
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	RACE FACE NEXT SL 35MM RISER 760MM
Stem	RACE FACE TURBINE 35MM INTERFACE
Shifters	SHIMANO XTR M9000
Brakes	SHIMANO XTR TRAIL M9020 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR M9000 SGS SHADOW PLUS DIRECT MOUNT
Chain	SHIMANO HG900
	MRP AMG CHAINGUIDE 26-32T (1X ONLY)
Wheels	DT SPLINE XMC-1200 TLR 15/100MM CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS ARDENT 2,25" TLR 60 TPI EXO DUAL
	MAXXIS HIGH ROLLER II 2.40" 60 TPI 3C EXO
	MAXXIS ARDENT 2,40" TLR 60 TPI EXO DUAL (REAR)
Pedals	N/A
Seatpost	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M5

OCCAM AM



OCCAM AM M10

Code	F250

Green (Satin)
DB

Orange (Gloss)
DD

Size	Crank	Stem	Handlebar
S	170	50	760
M	175	50	760
L	175	70	760

Frame	ORBEA MONOCOQUE RACE CARBON. ADVANCED DYNAMICS 140MM SUSPENSION WITH UFO TECHNOLOGY. 27,5" WHEELS. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS FACTORY 3-POSITION ADJUST EVOL LV KASHIMA CUSTOM TUNE 200X51MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	FOX 34 FLOAT FACTORY 140 FIT4 3-POSITION ADJUST QR15 KASHIMA
Crankset	RACE FACE AEFFECT SL 26X36T BOOST
	RACE FACE 28T
	SRAM XX1 28T
	RACE FACE 30T
	RACE FACE 32T
	SHIMANO XT M8000-B2 26X36T
	1X11 TRANSMISION
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	RACE FACE NEXT SL 35MM RISER 760MM
Stem	RACE FACE AEFFECT 35MM INTERFACE
Shifters	SHIMANO XT M8000 I-SPEC
Brakes	SHIMANO XT M8000 HYDRAULIC DISC
	SHIMANO XTR TRAIL M9020 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M8000 GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO XT M8020 DIRECT MOUNT
Chain	SHIMANO HG700
	MRP AMG CHAINGUIDE 26-32T (1X ONLY)
Wheels	DT SPLINE M-1700 TLR 15/100MM CL
	DT SPLINE XMC-1200 TLR CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS ARDENT 2,25" TLR 60 TPI EXO DUAL
	MAXXIS HIGH ROLLER II 2.40" 60 TPI 3C EXO
	MAXXIS ARDENT 2,40" TLR 60 TPI EXO DUAL (REAR)
Pedals	N/A
Seatpost	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M5

OCCAM AM



OCCAM AM M30

Code	F249

Green (Satin)
DB

Orange (Gloss)
DD

Size	Crank	Stem	Handlebar
S	170	50	760
M	175	50	760
L	175	70	760

Frame	ORBEA MONOCOQUE RACE CARBON. ADVANCED DYNAMICS 140MM SUSPENSION WITH UFO TECHNOLOGY. 27,5" WHEELS. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS PERFORMANCE 3-POSITION CUSTOM TUNE 200X51MM
	FOX FLOAT DPS FACTORY 3-POSITION ADJUST KASHIMA 200X51MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	FOX 34 FLOAT PERFORMANCE 140 FIT4 3-POSITION QR15
	FOX 34 FLOAT FACTORY 140 FIT4 3-POSITION ADJUST QR15 KASHIMA
Crankset	SHIMANO M627-B 22X36T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	RACE FACE AEFFECT 35MM RISER 760MM
	RACE FACE NEXT SL 35 RISER 760MM+TURBINE 35 KIT (BAR+STEM)
Stem	RACE FACE AEFFECT 35MM INTERFACE
Shifters	SHIMANO SLX M670 I-SPEC
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M786 GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	KMC X10
Wheels	DT SPLINE M-1900 TLR 15/100MM CL
	DT SPLINE M-1700 TLR CL
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS ARDENT 2,25" TLR 60 TPI EXO DUAL
	MAXXIS HIGH ROLLER II 2.40" 60 TPI 3C EXO
	MAXXIS ARDENT 2,40" TLR 60 TPI EXO DUAL (REAR)
Pedals	N/A
Seatpost	RACE FACE RIDE 31.6X375MM
	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M7
	SELLE ITALIA SL XC FLOW CROSS
	FIZIK GOBI M5

OCCAM AM



OCCAM AM H10

Code	F248

Black-Green (Satin)
DF

Black-Orange (Gloss)
DG

Size	Crank	Stem	Handlebar
S	170	50	760
M	175	50	760
L	175	70	760

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALUMINUM. ADVANCED DYNAMICS 140 MM TRAVEL SUSPENSION. 27,5" WHEELS. C-BOOST 12X148 REAR AXLE SYSTEM. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS FACTORY 3-POSITION ADJUST EVOL LV KASHIMA CUSTOM TUNE 200X51MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	FOX 34 FLOAT FACTORY 140 FIT4 3-POSITION ADJUST QR15 KASHIMA
Crankset	RACE FACE AEFFECT SL 26X36T BOOST
	RACE FACE 28T
	SHIMANO XT M8000-B2 26X36T
	1X11 TRANSMISION
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	RACE FACE AEFFECT 35MM RISER 760MM
	RACE FACE NEXT SL 35 RISER 760MM+TURBINE 35 KIT (BAR+STEM)
Stem	RACE FACE AEFFECT 35MM INTERFACE
Shifters	SHIMANO XT M8000 I-SPEC (B-TYPE)
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M8000 GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO XT M8020 DIRECT MOUNT
Chain	SHIMANO HG700
	MRP AMG CHAINGUIDE 26-32T (1X ONLY)
Wheels	DT SPLINE M-1900 TLR 15/100MM CL
	DT SPLINE M-1700 TLR CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS ARDENT 2,25" TLR 60 TPI EXO DUAL
	MAXXIS HIGH ROLLER II 2.40" 60 TPI 3C EXO
	MAXXIS ARDENT 2,40" TLR 60 TPI EXO DUAL (REAR)
Pedals	N/A
	SHIMANO M520
Seatpost	ORBEA DIGIT 31.6X400MM
	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M7
	SELLE ITALIA SL XC FLOW CROSS
	FIZIK GOBI M5

OCCAM AM



OCCAM AM H30

Code	F247

Black-Green (Satin)
DF

Black-Orange (Gloss)
DG

Size	Crank	Stem	Handlebar
S	170	60	760
M	175	60	760
L	175	70	760

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALUMINUM. ADVANCED DYNAMICS 140 MM TRAVEL SUSPENSION. 27,5" WHEELS. C-BOOST 12X148 REAR AXLE SYSTEM. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS PERFORMANCE 3-POSITION CUSTOM TUNE 200X51MM
	FOX FLOAT DPS FACTORY 3-POSITION ADJUST KASHIMA 200X51MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	FOX 34 FLOAT PERFORMANCE 140 FIT4 3-POSITION QR15
	FOX 34 FLOAT FACTORY 140 FIT4 3-POSITION ADJUST QR15 KASHIMA
Crankset	SHIMANO M627-B 22X36T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA OC-II RISER 760MM
	RACE FACE AEFFECT 35 RISER 760MM KIT (BAR+STEM)
Stem	RACE FACE RIDE
Shifters	SHIMANO SLX M670 I-SPEC
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M786 GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	KMC X10
Wheels	MACH1 KLIXX 23C TUBELESS READY
	DT SPLINE M-1900 TLR CL+MAXXIS TLR TIRES
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS ARDENT 2,25" FB 60 TPI
	MAXXIS HIGH ROLLER II 2.40" FB 60 TPI EXO
	MAXXIS ARDENT 2,40"(FRONT) /ARDENT 2,25"(REAR) TLR EXO
	MAXXIS ARDENT 2.40" FB 60 TPI (REAR)
Pedals	N/A
	SHIMANO M520
Seatpost	ORBEA DIGIT 31.6X400MM
	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	SELLE ROYAL J-2062 TRAIL CUSTOM
	SELLE ITALIA SL XC FLOW CROSS
	FIZIK GOBI M7

OCCAM AM



OCCAM AM H50

Code	F246

Black-Green (Satin)
DF

Black-Orange (Gloss)
DG

Size	Crank	Stem	Handlebar
S	170	60	760
M	175	60	760
L	175	70	760

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALUMINUM. ADVANCED DYNAMICS 140 MM TRAVEL SUSPENSION. 27,5" WHEELS. C-BOOST 12X148 REAR AXLE SYSTEM. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS PERFORMANCE 3-POSITION CUSTOM TUNE 200X51MM
	FOX FLOAT DPS FACTORY 3-POSITION ADJUST KASHIMA 200X51MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	ROCK SHOX SEKTOR SILVER TK 140 AIR QR15
	FOX 34 FLOAT PERFORMANCE 140 FIT4 3-POSITION QR15
Crankset	FSA COMET MEGAEXO 22X36T BOOST
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA OC-II RISER 760MM
	RACE FACE AEFFECT 35 RISER 760MM KIT (BAR+STEM)
Stem	ORBEA OC-II
Shifters	SHIMANO DEORE M591
Brakes	SHIMANO M425 HYDRAULIC DISC
	SHIMANO M506 HYDRAULIC DISC
Rear Derailleur	SHIMANO SLX GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	FSA TEAM ISSUE
Wheels	MACH1 KLIXX 23C TUBELESS READY
	DT SPLINE M-1900 TLR CL+MAXXIS TLR TIRES
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS ARDENT 2,25" FB 60 TPI
	MAXXIS HIGH ROLLER II 2.40" FB 60 TPI EXO
	MAXXIS ARDENT 2,40"(FRONT) /ARDENT 2,25"(REAR) TLR EXO
	MAXXIS ARDENT 2.40" FB 60 TPI (REAR)
Pedals	N/A
	SHIMANO M520
Seatpost	ORBEA OC-II 31.6X400MM
	ORBEA DIGIT 31.6X400MM
Saddle	SELLE ROYAL J-2062 TRAIL CUSTOM
	SELLE ITALIA SL XC FLOW CROSS
	FIZIK GOBI M7

OCCAM TR



OCCAM TR M-LTD

Code	F257

Green (Satin)
DB

Orange (Gloss)
DD

Size	Crank	Stem	Handlebar
M	175	50	740
L	175	70	740
XL	175	70	740

Frame	ORBEA MONOCOQUE RACE CARBON. ADVANCED DYNAMICS 120MM SUSPENSION WITH UFO TECHNOLOGY. 29" WHEELS. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS FACTORY 3-POSITION ADJUST EVOL KASHIMA CUSTOM TUNE 184X44MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	FOX 32 FLOAT FACTORY 120 FIT4 3-POSITION ADJUST KASHIMA QR15X110 BOOST
Crankset	RACE FACE 28T
	SRAM XX1 28T
	RACE FACE 30T
	RACE FACE 32T
	2X11 TRANSMISION
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	RACE FACE NEXT SL 35MM FLAT 740MM
Stem	RACE FACE TURBINE 35MM INTERFACE
Shifters	SHIMANO XTR M9000
Brakes	SHIMANO XTR TRAIL M9020 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR M9000 SGS SHADOW PLUS DIRECT MOUNT
Chain	SHIMANO HG900
	MRP AMG CHAINGUIDE 26-32T (1X ONLY)
Wheels	DT SPLINE XRC-1200 TLR 15/110MM CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS ARDENT RACE 2,20" TLR EXO
	MAXXIS ARDENT 2,4" TLR EXO DUAL
	MAXXIS ARDENT 2,40" TLR 60 TPI EXO DUAL (REAR)
Pedals	N/A
Seatpost	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M5

OCCAM TR



OCCAM TR M10

Code	F256

Green (Satin)
DB

Orange (Gloss)
DD

Size	Crank	Stem	Handlebar
M	175	50	740
L	175	70	740
XL	175	70	740

Frame	ORBEA MONOCOQUE RACE CARBON. ADVANCED DYNAMICS 120MM SUSPENSION WITH UFO TECHNOLOGY. 29" WHEELS. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS FACTORY 3-POSITION ADJUST EVOL KASHIMA CUSTOM TUNE 184X44MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	FOX 32 FLOAT FACTORY 120 FIT4 3-POSITION ADJUST KASHIMA QR15X110 BOOST
Crankset	RACE FACE AEFFECT SL 26X36T BOOST
	RACE FACE 28T
	SRAM XX1 28T
	RACE FACE 30T
	RACE FACE 32T
	SHIMANO XT M8000-B2 26X36T
	1X11 TRANSMISION
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	RACE FACE NEXT SL 35MM FLAT 740MM
Stem	RACE FACE AEFFECT 35MM INTERFACE
Shifters	SHIMANO XT M8000 I-SPEC
Brakes	SHIMANO XT M8000 HYDRAULIC DISC
	SHIMANO XTR TRAIL M9020 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M8000 GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO XT M8020 DIRECT MOUNT
Chain	SHIMANO HG700
	MRP AMG CHAINGUIDE 26-32T (1X ONLY)
Wheels	DT SPLINE X-1700 TLR 15/110MM CL
	DT SPLINE XRC-1200 TLR CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS ARDENT RACE 2,20" TLR EXO
	MAXXIS ARDENT 2,4" TLR EXO DUAL
	MAXXIS ARDENT 2,40" TLR 60 TPI EXO DUAL (REAR)
Pedals	N/A
Seatpost	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M5

OCCAM TR



OCCAM TR M30

Code	F255

Green (Satin)
DB

Orange (Gloss)
DD

Size	Crank	Stem	Handlebar
M	175	50	740
L	175	70	740
XL	175	70	740

Frame	ORBEA MONOCOQUE RACE CARBON. ADVANCED DYNAMICS 120MM SUSPENSION WITH UFO TECHNOLOGY. 29" WHEELS. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS PERFORMANCE 3-POSITION CUSTOM TUNE 184X44MM
	FOX FLOAT DPS FACTORY 3-POSITION ADJUST KASHIMA 184X44MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	FOX 32 FLOAT PERFORMANCE 120 FIT4 3-POSITION QR15X110 BOOST
	FOX 32 FLOAT FACTORY 120 FIT4 3-POS ADJUST QR15X110 KASHIMA
Crankset	SHIMANO M627-B 22X36T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	RACE FACE AEFFECT 35MM FLAT 740MM
	RACE FACE NEXT SL 35 FLAT 740MM+TURBINE 35 KIT (BAR+STEM)
Stem	RACE FACE AEFFECT 35MM INTERFACE
Shifters	SHIMANO SLX M670 I-SPEC
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M786 GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	KMC X10
Wheels	DT SPLINE X-1900 TLR 15/110MM CL
	DT SPLINE X-1700 TLR CL
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS ARDENT RACE 2,20" TLR EXO
	MAXXIS ARDENT 2,4" TLR EXO DUAL
	MAXXIS ARDENT 2,40" TLR 60 TPI EXO DUAL (REAR)
Pedals	N/A
Seatpost	RACE FACE RIDE 31.6X375MM
	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M7
	SELLE ITALIA SL XC FLOW CROSS
	FIZIK GOBI M5

OCCAM TR



OCCAM TR H10

Code	F254

Black-Green (Satin)
DF

Black-Orange (Gloss)
DG

Size	Crank	Stem	Handlebar
M	175	50	760
L	175	70	760
XL	175	70	760

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALUMINUM. ADVANCED DYNAMICS 120 MM TRAVEL SUSPENSION. 29" WHEELS. C-BOOST 12X148 REAR AXLE SYSTEM. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS FACTORY 3-POSITION ADJUST EVOL KASHIMA CUSTOM TUNE 184X44MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	FOX 32 FLOAT FACTORY 120 FIT4 3-POSITION ADJUST KASHIMA QR15X110 BOOST
Crankset	RACE FACE AEFFECT SL 26X36T BOOST
	RACE FACE 28T
	RACE FACE 30T
	RACE FACE 32T
	SHIMANO XT M8000-B2 26X36T
	1X11 TRANSMISION
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	RACE FACE AEFFECT 35MM FLAT 740MM
	RACE FACE NEXT SL 35 FLAT 740MM+TURBINE 35 KIT (BAR+STEM)
Stem	RACE FACE AEFFECT 35MM INTERFACE
Shifters	SHIMANO XT M8000 I-SPEC (B-TYPE)
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M8000 GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO XT M8020 DIRECT MOUNT
Chain	SHIMANO HG700
	MRP AMG CHAINGUIDE 26-32T (1X ONLY)
Wheels	DT SPLINE X-1900 TLR 15/110MM CL
	DT SPLINE X-1700 TLR CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS ARDENT RACE 2,20" TLR EXO
	MAXXIS ARDENT 2,4" TLR EXO DUAL
	MAXXIS ARDENT 2,40" TLR 60 TPI EXO DUAL (REAR)
Pedals	N/A
	SHIMANO M520
Seatpost	ORBEA DIGIT 31.6X400MM
	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M7
	SELLE ITALIA SL XC FLOW CROSS
	FIZIK GOBI M5

OCCAM TR



OCCAM TR H30

Code	F253

Black-Green (Satin)
DF

Black-Orange (Gloss)
DG

Size	Crank	Stem	Handlebar
M	175	60	740
L	175	70	740
XL	175	70	740

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALUMINUM. ADVANCED DYNAMICS 120 MM TRAVEL SUSPENSION. 29" WHEELS. C-BOOST 12X148 REAR AXLE SYSTEM. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS PERFORMANCE 3-POSITION CUSTOM TUNE 184X44MM
	FOX FLOAT DPS FACTORY 3-POSITION ADJUST KASHIMA 184X44MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	FOX 32 FLOAT PERFORMANCE 120 FIT4 3-POSITION QR15X110 BOOST
	FOX 32 FLOAT FACTORY 120 FIT4 3-POS ADJUST QR15X110 KASHIMA
Crankset	SHIMANO M627-B 22X36T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA OC-II FLAT 740MM
	RACE FACE AEFFECT 35 FLAT 740MM KIT (BAR+STEM)
Stem	RACE FACE RIDE
Shifters	SHIMANO SLX M670 I-SPEC
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M786 GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	KMC X10
Wheels	MACH1 TRAXX 21C TUBELESS READY
	DT SPLINE X-1900 TLR CL+MAXXIS ARDENT TLR
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS ARDENT RACE 2,20" FB 60 TPI
	MAXXIS ARDENT 2,40" FB 60 TPI EXO
	MAXXIS ARDENT 2,40" FB 60 TPI EXO (REAR)
	MAXXIS ARDENT 2,40"(FRONT) /ARDENT RACE 2,20"(REAR) TLR EXO
Pedals	N/A
	SHIMANO M520
Seatpost	ORBEA DIGIT 31.6X400MM
	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	SELLE ROYAL J-2062 TRAIL CUSTOM
	SELLE ITALIA SL XC FLOW CROSS
	FIZIK GOBI M7

OCCAM TR



OCCAM TR H50

Code	F252

Black-Green (Satin)
DF

Black-Orange (Gloss)
DG

Size	Crank	Stem	Handlebar
M	175	60	740
L	175	70	740
XL	175	70	740

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALUMINUM. ADVANCED DYNAMICS 120 MM TRAVEL SUSPENSION. 29" WHEELS. C-BOOST 12X148 REAR AXLE SYSTEM. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. PF92 PRESS FIT
Shock	FOX FLOAT DPS PERFORMANCE 3-POSITION CUSTOM TUNE 184X44MM
	FOX FLOAT DPS FACTORY 3-POSITION ADJUST KASHIMA 184X44MM
	FOX FLOAT CTD 9MM SHAFT, AIR SPRING VOLUME TUNING KIT
Fork	ROCKSHOX RECON SILVER TK 120 AIR QR15
	FOX 32 FLOAT PERFORMANCE 120 FIT4 3-POSITION QR15X110 BOOST
Crankset	FSA COMET MEGAEXO 22X36T BOOST
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA OC-II FLAT 740MM
	RACE FACE AEFFECT 35 FLAT 740MM KIT (BAR+STEM)
Stem	ORBEA OC-II
Shifters	SHIMANO DEORE M591
Brakes	SHIMANO M425 HYDRAULIC DISC
	SHIMANO M506 HYDRAULIC DISC
Rear Derailleur	SHIMANO SLX GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	FSA TEAM ISSUE
Wheels	MACH1 TRAXX 21C TUBELESS READY
	DT SPLINE X-1900 TLR CL+MAXXIS ARDENT TLR
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS ARDENT RACE 2,20" FB 60 TPI
	MAXXIS ARDENT 2,40" FB 60 TPI EXO
	MAXXIS ARDENT 2,40" FB 60 TPI EXO (REAR)
	MAXXIS ARDENT 2,40"(FRONT) /ARDENT RACE 2,20"(REAR) TLR EXO
Pedals	N/A
	SHIMANO M520
Seatpost	ORBEA OC-II 31.6X400MM
	ORBEA DIGIT 31.6X400MM
Saddle	SELLE ROYAL J-2062 TRAIL CUSTOM
	SELLE ITALIA SL XC FLOW CROSS
	FIZIK GOBI M7



A LITTLE BIT LOKI.

In Norse mythology, Loki is a trickster god. He is a shape shifter and in different stories he assumes multiple forms.

Loki is a different kind of bike. And instead of saying it's tailored for one type of rider, we're going to go ahead and claim it's the perfect fun trail bike everyone will enjoy.

LOKI

WHAT MAKES LOKI UNIQUE?

Loki is omnipotent - It's a slack, fun 29er trail bike and it's a 27+ bike that relishes new terrain. It's a first bike or a latest bike.

Loki is omniscient. - This bike knows how you want to ride and puts the world in your hands and the backwoods under your Tyres. It's light and rugged. Elegant and powerful. Logical and filled with passion

01/ STABILITY, FLEXIBILITY AND FUN

02/ SMART & ATTAINABLE

03/ MADE FOR SATISFACTION



STABILITY, FLEXIBILITY AND FUN

DOUBLE DUTY

Double Duty packs two bikes into one platform. Switch between 27+ and 29 wheel sizes in the same frame. Orbea Trail Geometry remains consistent since the outside diameter of both wheels is similar.

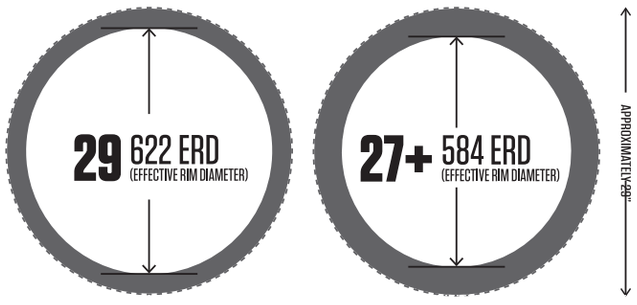
"Plus" Tyres are wider than traditional Tyres and are much higher volume, meaning they can be run at lower pressures. This allows Plus Tyres to go where regular Tyres can't, easily handling light mud and snow or sand, greatly expanding the terrain you can cover.

The genius of 27+ is that it uses a widely-available 27.5" rim with a 3.0" tire that yields approximately the same outer diameter as a 2.2" 29er setup, meaning your Orbea can do Double Duty.

PLUS sized Tyres offer much of the fun and capability of fatbike Tyres without requiring special fatbike components. Q-Factor, or the distance between your feet, is unchanged because the bottom bracket spindle is a standard 73mm width.

Fork selection is easier as well, since PLUS Tyres fit inside a normal trail bike suspension fork. There is no need to use special models that only fit fatbike Tyres.

It's true that PLUS sized Tyres don't have the same floatation as a 4" fatbike tire in sand or snow, but they allow riders to enjoy a taste without buying a single-purpose bike. When we designed Loki, we had this versatility in mind from the beginning.







TRAIL GEOMETRY

LONG REACH More efficient position with shorter stems

LOW BB Increased stability with a lower center of gravity

SHORT STAYS Greater agility and climbing traction

SLACK HEAD ANGLE More predictable steering in steep, rough terrain

	SM	MD	LG	XL
1. SEAT TUBE	393	432	470	520
2. TOP TUBE (EFF)	572	599	621	647
3. HEAD TUBE	100	105	115	130
4. CHAIN STAY	430			
5. BB DROP	60			
6. BB HEIGHT	315			
7. WHEEL BASE	1103	1131	1155	1183
8. HEAD ANGLE	67º			
9. SEAT ANGLE	73º			
10. STANDOVER	790.6	795.3	793.7	812.7
11. REACH	382	412	437	452
12. STACK	621	625	635	648
13. FORK LENGTH	531			
14. FORK OFFSET	51			

SMART & ATTAINABLE

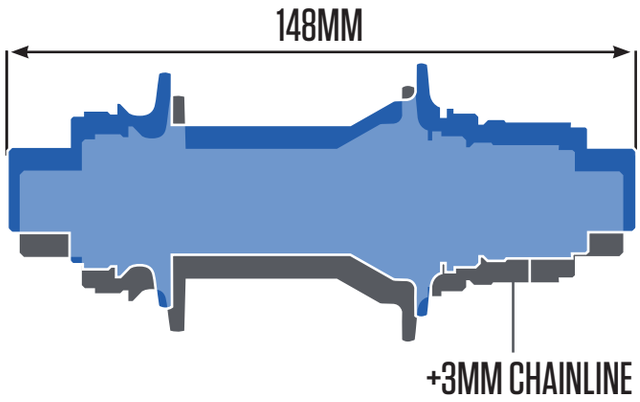
HYDRO ALUMINUM

We manipulate the shapes and wall-thickness of our aluminum tubing to increase strength and resistance to unwanted flex. Many of the tubes are butted to save weight in the middle of the tubes, away from the stress of the joints and the weld zones. Using aluminum technologies as advanced as our carbon manufacturing ensures our aluminum bikes are never second-best.
Updated alloy tubing and shapes borrow technologies from our premier carbon Occam TR & AM models to make the best hydroformed aluminium frames available.
Larger diameters with more weld surface area yield increased stiffness without added weight.



BOOST 148

Increasing rear axle spacing to 148mm over the 142mm standard moves the chainline outboard by 3mm, increasing the space available at the bottom bracket. This doesn't sound like much but means that chainstays can be 10mm shorter without sacrificing tire clearance or swingarm rigidity. The wider hub uses wider-spaced hub flanges that create a stiffer wheel. All of it adds up to more durability, nimble handling and a bike that tracks better through rough terrain.



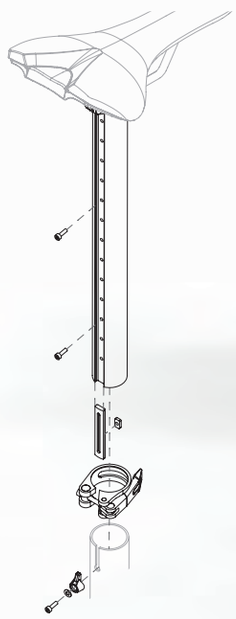


MADE FOR SATISFACTION

DIGIT SEATPOST

The ability to quickly addjust saddle height for trail conditions spawned the dropper post revolution, but is there simpler and more reliable solution? Dropper posts are certainly convenient but their price and need for maintenance makes the impractical for many trail riders. The patent-pending Orbea Digit Post makes it significantly quicker and easier to stop and adjust saddle height during a ride.

The Digit Post and Clamp utilize a clever range limiting system so the upper seat height is quickly found by opening the cam and pulling. The post will stop at your own perfect pedaling position. A groove and adjustable block built into the post and clamp keep the saddle properly aligned in the plane of the bicycle.
The lever itself is smooth and easy to sna open and closed. By utilizing a mechanical cam instead of a friction interface, Digit provides the smoothesst-feeling quick release lever avaiable”






MAXXIS
FOX

FEATURES

Loki is omnipotent - It's a slack, fun 29er trail bike and it's a 27+ bike that relishes new terrain. It's a first bike or a latest bike. Loki is omniscient.
This bike knows how you want to ride and puts the world in your hands and the backwoods under your Tyres. It's light and rugged. Elegant and powerful. Logical and filled with passion.

DROPPER ROUTING
Loki is ready for internal (stealth) or external dropper seatpost control cable routing.

ISCG05
ISCG05 mounting tabs allow Loki riders to customize the level of chain retention with a huge variety of aftermarket chainguide devices.



POST MOUNT DIRECT
Why have an adapter for the rear brake caliper when it can be mounted directly to the chainstay? We did away with two bolts and an extra part, creating a simple, clean and rigid setup.

DM FD
Loki has a direct-mount front derailleur interface that is ready for traditional, side-swing, new XTR or electronic shifting options. The mount is removable if you choose a 1X crankset



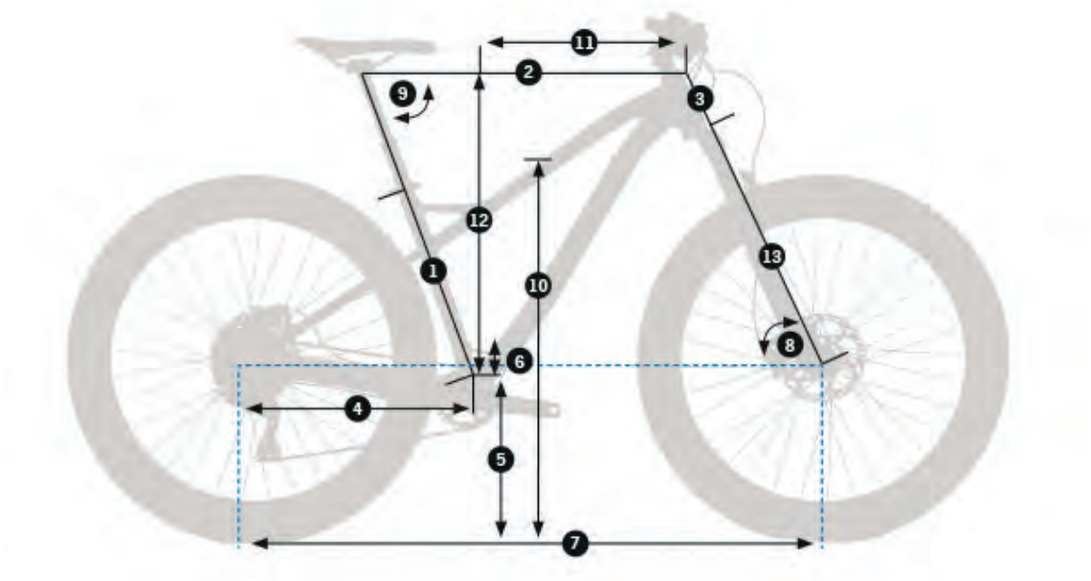
ICR
ICR (Internal Cable Routing) is carefully guided along the best path with no rub or binding. Thanks to full cable housing, contamination is lessened and friction reduced by up to 25%.

GEO CHARTS

LOKI

SIZES	S- 15,5”	M-17	L-18,5”	XL-20,5”
1 - Seat Tube (C-T)	393	432	470	520
2 - Top Tube (EFF)	572	599	621	647
3 - Head Tube	100	105	115	130
4 - Chainstay	429,9	429,9	429,9	429,9
5 - BB Height				
6 - BB Drop	60	60	60	60
7 - Wheelbase	1103	1131	1155	1183,5
8 - Head Angle	67º	67º	67º	67º
9 - Seat Angle	73º	73º	73º	73º
10 - Standover				
11 - Reach	383,6	410,2	430	452,6
12 - Stack	620,9	625,5	634,7	648,5
13 - Fork Length	531	531	531	531

HEIGHT (CM)	HEIGHT (IN)	SIZE
150-165	59-65	S
160-175	63-69	M
170-185	67-73	L
180-198	71-78	XL



LOKI



LOKI 27+ H-LTD

Code	F265

Black-Orange (Satin-Gloss)
U1

Yellow-Black (Gloss-Satin)
U2

Blue-Black (Gloss-Satin)
U3

Size	Crank	Stem	Handlebar
S	170	50	760
M	170	50	760
L	170	70	760
XL	170	70	760

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALLOY. DOUBLE DUTY 29" & 27.5+ DESIGN. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. ISCG 05.
Fork	FOX 34 FLOAT FACTORY 120 FIT4 3-POSITION ADJUST KASHIMA QR15X110 BOOST
Crankset	RACE FACE AEFFECT SL 26X36T BOOST
	RACE FACE 28T
	2X11 TRANSMISION
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	RACE FACE AEFFECT 35MM RISER 760MM
	RACE FACE NEXT SL 35 RISER 760MM+TURBINE 35 KIT (BAR+STEM)
Stem	RACE FACE AEFFECT 35MM INTERFACE
Shifters	SHIMANO XT M8000 I-SPEC (B-TYPE)
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XTR TRAIL M9020 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M8000 GS SHADOW PLUS DIRECT MOUNT
Chain	SHIMANO HG700
	MRP AMG CHAINGUIDE 26-32T (1X ONLY)
Wheels	ORBEA READY 27+ 40C DISC TUBELESS READY
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS CHRONICLE 3.0" 60 TPI TLR EXO
Pedals	N/A
Seatpost	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	FIZIK GOBI M5

LOKI



LOKI 27+ H10

Code	F264

Black-Orange (Satin-Gloss)
U1

Yellow-Black (Gloss-Satin)
U2

Blue-Black (Gloss-Satin)
U3

Size	Crank	Stem	Handlebar
S	170	60	760
M	170	60	760
L	170	60	760
XL	170	70	760

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALLOY. DOUBLE DUTY 29" & 27.5+ DESIGN. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. ISCG 05.
Fork	FOX 32 FLOAT PERFORMANCE 120 FIT4 3-POSITION QR15X110 BOOST
	FOX 32 FLOAT FACTORY 120 FIT4 3-POS ADJUST QR15X110 KASHIMA
	FOX 34 FLOAT FACTORY 120 FIT4 3-POS ADJ KASHIMA QR15X110T
Crankset	SHIMANO M627-B 22X36T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA OC-II RISER 760MM
	RACE FACE AEFFECT 35 RISER 760MM KIT (BAR+STEM)
Stem	RACE FACE RIDE
Shifters	SHIMANO SLX M670 I-SPEC
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M786 GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	KMC X10
Wheels	ORBEA READY 27+ 40C DISC TUBELESS READY
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS CHRONICLE 3.0" 60 TPI TLR EXO
Pedals	N/A
	SHIMANO M520
Seatpost	ORBEA DIGIT 31.6X400MM
	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	SELLE ROYAL J-2062 TRAIL CUSTOM
	FIZIK GOBI M7

LOKI



LOKI 29 H10

Code	F263

Black-Orange (Satin-Gloss)
U1

Yellow-Black (Gloss-Satin)
U2

Blue-Black (Gloss-Satin)
U3

Size	Crank	Stem	Handlebar
S	170	60	740
M	175	60	740
L	175	60	740
XL	175	70	740

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALLOY. DOUBLE DUTY 29" & 27.5+ DESIGN. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. ISCG 05.
Fork	FOX 32 FLOAT PERFORMANCE 120 FIT4 3-POSITION QR15X110 BOOST
	FOX 32 FLOAT FACTORY 120 FIT4 3-POS ADJUST QR15X110 KASHIMA
Crankset	SHIMANO M627-B 22X36T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA OC-II FLAT 740MM
	RACE FACE AEFFECT 35 FLAT 740MM KIT (BAR+STEM)
Stem	RACE FACE RIDE
Shifters	SHIMANO SLX M670 I-SPEC
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M786 GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	KMC X10
Wheels	MACH1 KLIXX 23C TUBELESS READY
	DT SPLINE X-1900 TLR CL+MAXXIS ARDENT TLR
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS ARDENT 2,40" FB 60 TPI EXO
	MAXXIS ARDENT 2,40"(FRONT) /ARDENT RACE 2,20"(REAR) TLR EXO
Pedals	N/A
	SHIMANO M520
Seatpost	ORBEA DIGIT 31.6X400MM
	ROCKSHOX REVERB 31.6X385MM STEALTH
Saddle	SELLE ROYAL J-2062 TRAIL CUSTOM
	FIZIK GOBI M7

LOKI



LOKI 27+ H30

Code	F262

Black-Orange (Satin-Gloss)
U1

Yellow-Black (Gloss-Satin)
U2

Blue-Black (Gloss-Satin)
U3

Size	Crank	Stem	Handlebar
S	170	60	760
M	170	60	760
L	170	60	760
XL	170	70	760

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALLOY. DOUBLE DUTY 29" & 27.5+ DESIGN. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. ISCG 05.
Fork	SR SUNTOUR RAIDON 120 LO-R 27+ QR15X100 BOOST
	FOX 32 FLOAT PERFORMANCE 120 FIT4 3-POSITION QR15X110 BOOST
Crankset	FSA COMET MEGAEXO 22X36T BOOST
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA OC-II RISER 760MM
	RACE FACE AEFFECT 35 RISER 760MM KIT (BAR+STEM)
Stem	RACE FACE RIDE
Shifters	SHIMANO DEORE M591
Brakes	SHIMANO M425 HYDRAULIC DISC
	SHIMANO M506 HYDRAULIC DISC
Rear Derailleur	SHIMANO SLX GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	FSA TEAM ISSUE
Wheels	ORBEA READY 27+ 40C DISC TUBELESS READY
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS CHRONICLE 3.0" 60 TPI TLR EXO
Pedals	VP-990S BLACK
	SHIMANO M520
Seatpost	ORBEA OC-II 31.6X400MM
	ORBEA DIGIT 31.6X400MM
Saddle	SELLE ROYAL J-2062 TRAIL CUSTOM
	FIZIK GOBI M7

LOKI



LOKI 29 H30

Code	F261

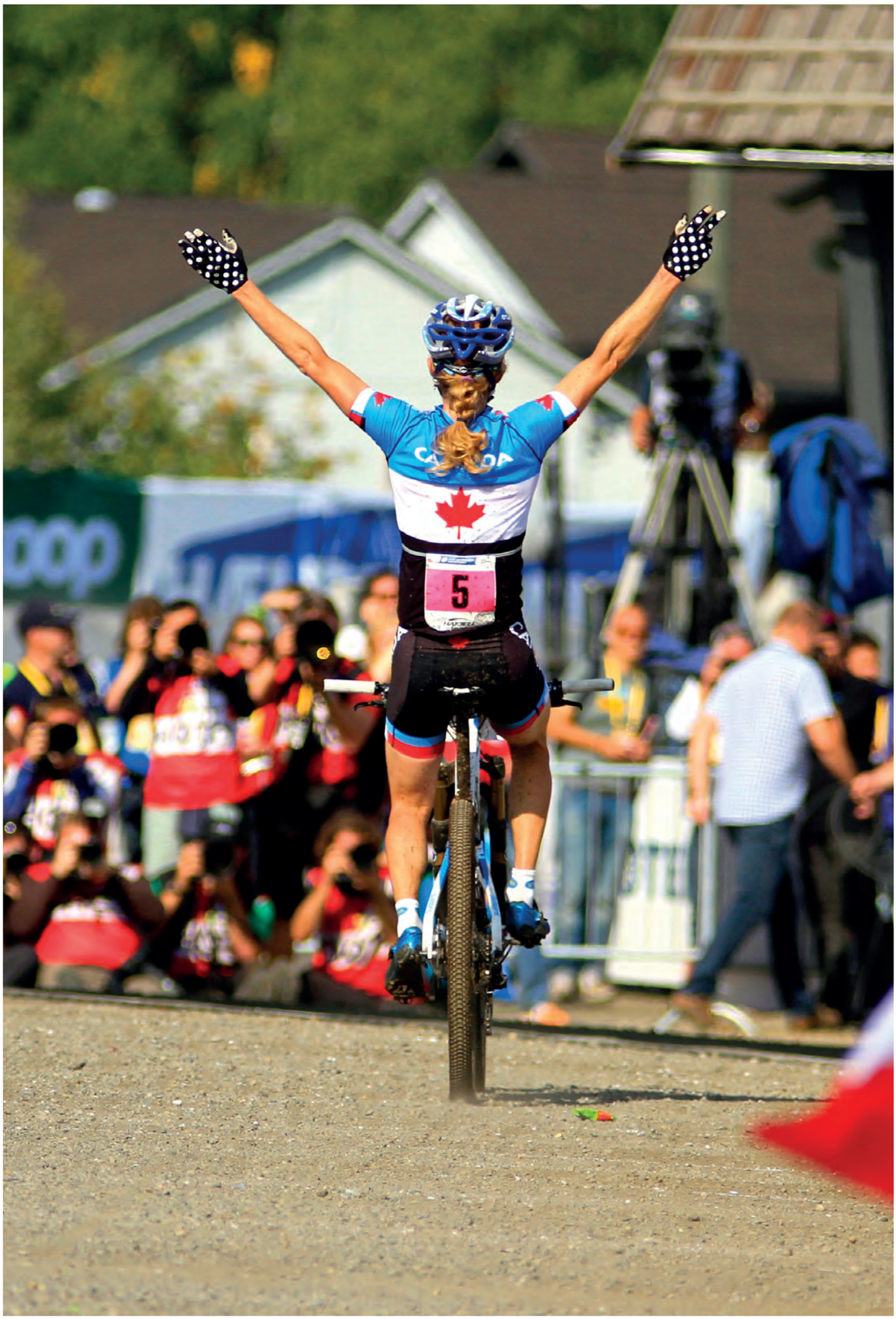
Black-Orange (Satin-Gloss)
U1

Yellow-Black (Gloss-Satin)
U2

Blue-Black (Gloss-Satin)
U3

Size	Crank	Stem	Handlebar
S	170	60	740
M	175	60	740
L	175	60	740
XL	175	70	740

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALLOY. DOUBLE DUTY 29" & 27.5+ DESIGN. BOOST 12X148 REAR AXLE. TRAIL III GEOMETRY. INTERNAL CABLE ROUTING. ISCG 05.
Fork	ROCKSHOX RECON SILVER TK 120 AIR QR15
	FOX 32 FLOAT PERFORMANCE 120 FIT4 3-POSITION QR15X110 BOOST
Crankset	FSA COMET MEGAEXO 22X36T BOOST
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA OC-II FLAT 740MM
	RACE FACE AEFFECT 35 FLAT 740MM KIT (BAR+STEM)
Stem	RACE FACE RIDE
Shifters	SHIMANO DEORE M591
Brakes	SHIMANO M425 HYDRAULIC DISC
	SHIMANO M506 HYDRAULIC DISC
Rear Derailleur	SHIMANO SLX GS SHADOW PLUS DIRECT MOUNT
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	FSA TEAM ISSUE
Wheels	MACH1 KLIXX 23C TUBELESS READY
	DT SPLINE X-1900 TLR CL+MAXXIS ARDENT TLR
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS ARDENT 2,40" FB 60 TPI EXO
	MAXXIS ARDENT 2,40"(FRONT) /ARDENT RACE 2,20"(REAR) TLR EXO
Pedals	VP-990S BLACK
	SHIMANO M520
Seatpost	ORBEA OC-II 31.6X400MM
	ORBEA DIGIT 31.6X400MM
Saddle	SELLE ROYAL J-2062 TRAIL CUSTOM
	FIZIK GOBI M7


5

BORN TO WIN.

Oiz is built for one purpose – Speed. The kind of lung-burning, cross-country efficiency that is expected from a racing bike, matched with the desire to devour rough terrain that leaves traditional hardtails behind. Lap after lap, Oiz responds eagerly to each climb, every rocky, root-filled descent, pushing you to ride faster. Oiz is the ultimate advantage – not a machine designed to ride in the middle of the pack – the Oiz was Born to Win.



WHAT MAKES OIZ UNIQUE?

Oiz is built for one purpose – Speed. The kind of lung-burning, cross-country efficiency that is expected from a racing bike, matched with the desire to devour rough terrain that leaves traditional hardtails behind.

01/ BIG WHEELS CONCEPT*

02/ ORBEA MONOCOQUE CARBON*

03/ UFO*

04/ TENSEGRITY

05/ ADVANCED DYNAMICS*

06/ XC SUSPENSION PERFORMANCE

* You can find all the information about these technologies in page 14.


CANADA
CANADA
GIRO

TENSEGRITY

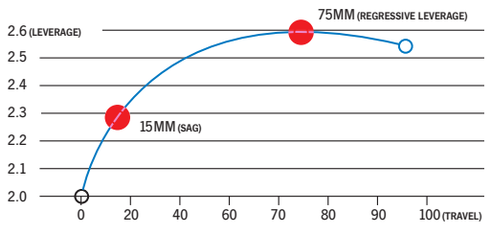
As part of our monocoque construction philosophy, we worked overtime to create the elegant full-carbon, one piece swing link of the Oiz. To increase rigidity, we placed a minimalist steel tension strut named Tensegrity in the joint between the linkage and the seatstays to balance lateral forces and provide optimal stiffness and very low weight. Tensegrity allows an exceptionally light, carbon shock yoke and does away with a bulky linkage axle that adds weight.



XC SUSPENSION PERFORMANCE

The main pivot point on the new Oiz was raised to work efficiently with both single and double chainring setups and customized shock dampers were developed with Fox to match the characteristics of the suspension design. The leverage ratio curve achieved by this bike is perfect for efficient XC riding. Sag can be set as low as 15-20% for a firm pedaling feel but the regressive leverage design still allows full travel when needed. Custom tuning of the damper minimizes bottom-out forces and keeps the suspension riding high in the first 50% of travel, maintaining geometry and efficiency.

OIZ SUSPENSION CURVE





FEATURES

DCR
Direct Cable Routing protects the cables, reduces friction and enhances durability. Thanks to full cable sealing and internal routing, contamination is lessened and friction reduced by up to 25%. There is a lighter and more precise feel at the levers - function, simplicity, and tidiness are paramount. Less cable housing means that system weight is reduced.

DM FD
The new Oiz has a direct-mount front derailleur interface that is ready for traditional, side-swing, new XTR or electronic shifting options.

PRESS FIT
The new Oiz is designed around a PressFit (PF92) bottom bracket shell. The wider shell ensures optimal stiffness and larger bearings with better seals offer increased durability, reduced maintenance and friction.



Di2 READY
The Oiz is ready for electronic or mechanical shifting - the choice is yours to make. Oiz relies on built-in pathways that ease the installation of cables or wires and results in streamlined, flawless shifting performance.

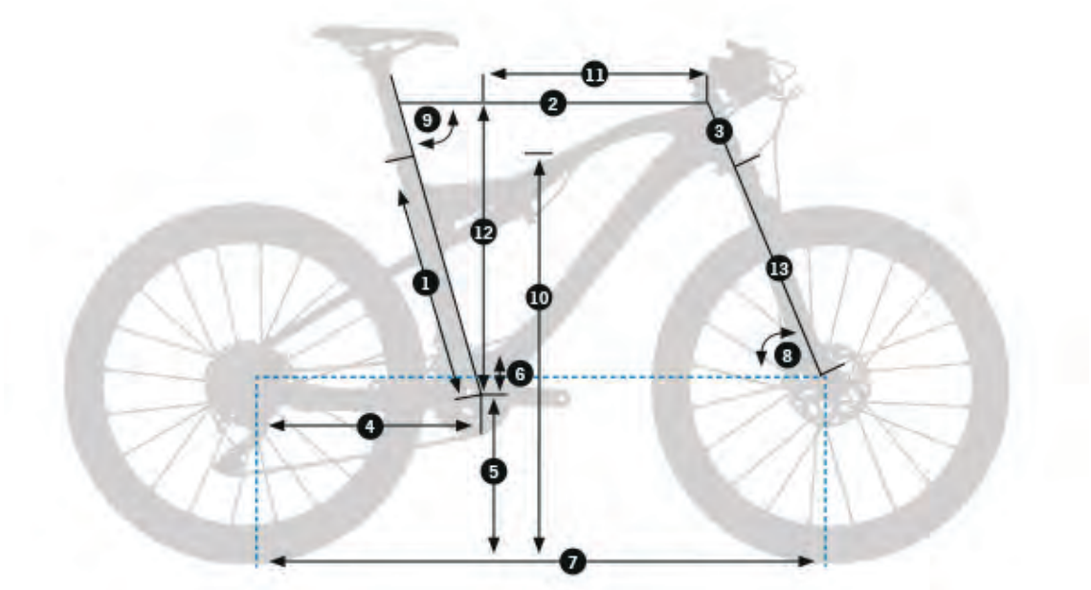
TAPERED
The Oiz features an oversized, tapered headtube (1-1/8" - 1.5") in both the OMR and OMP models to add stiffness and steering precision.

GEO CHARTS

OIZ OMR

SIZES	S – 27.5”	M – 27.5”	L – 27.5”	M – 29”	L – 29”	XL – 29”
1 - Seat Tube (C-T)	406	432	470	432	470	520
2 - Top Tube (EFF)	552	580	607	589	613	638
3 - Head Tube	100	110	120	100	110	120
4 - Chainstay	425	425	425	440	440	440
5 - BB Height	325	325	325	325	325	325
6 - BB Drop	27	27	27	45	45	45
7 - Wheelbase	1057	1085	1113	1098	1122	1148
8 - Head Angle	70º	70º	70º	70º	70º	70º
9 - Seat Angle	74º	74º	74º	74º	74º	74º
10 - Standover	701	711	721	728	748	790
11 - Reach	390	415	440	417	439	461
12 - Stack	565	574	584	597	606	616
13 - Fork Length	487.7	487.7	487.7	500.8	500.8	500.8

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-170	61-67	S – 27.5”
165-180	65-71	M – 27.5”
178-191	70-75	L – 27.5”
165-180	65-71	M – 29”
178-190	70-75	L – 29”
185-198	73-78	XL – 29”

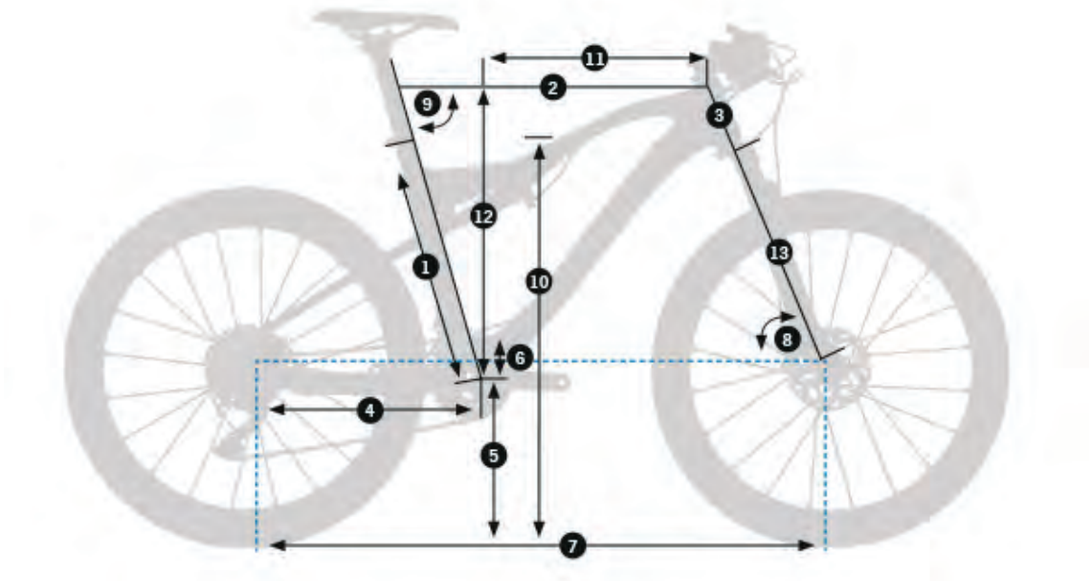


GEO CHARTS

OIZ OMP

SIZES	S – 27.5”	M – 27.5”	L – 27.5”	M – 29”	L – 29”	XL – 29”
1 - Seat Tube (C-T)	406	432	470	432	470	520
2 - Top Tube (EFF)	552	580	607	589	613	638
3 - Head Tube	100	110	120	100	110	120
4 - Chainstay	425	425	425	440	440	440
5 - BB Height	325	325	325	325	325	325
6 - BB Drop	27	27	27	45	45	45
7 - Wheelbase	1057	1085	1113	1098	1122	1148
8 - Head Angle	70º	70º	70º	70º	70º	70º
9 - Seat Angle	74º	74º	74º	74º	74º	74º
10 - Standover	701	711	721	728	748	790
11 - Reach	390	415	440	417	439	461
12 - Stack	565	574	584	597	606	616
13 - Fork Length	487.7	487.7	487.7	500.8	500.8	500.8

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-170	61-67	S – 27.5”
165-180	65-71	M – 27.5”
178-190	70-75	L – 27.5”
165-180	65-71	M – 29”
178-190	70-75	L – 29”
185-198	73-78	XL – 29”





OIZ M-LTD

Code	F239,F233

Red-Blue (Satin)
L7

White-Blue (Gloss)
L8

Size	Crank	Stem	Handlebar
S – 27.5”	170	80	700
M – 27.5”	175	80	700
M – 29”	175	80	700
L – 27.5”	175	90	700
L – 29”	175	90	700
XL – 29”	175	110	700

Frame	ORBEA MONOCOQUE RACE CARBON. CARBON UFO II REAR TRIANGLE. ADVANCED DYNAMICS 100MM SUSPENSION. CARBON SHOCK YOKE. INTERNAL DCR CABLE ROUTING. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT. ICD
Shock	FOX FLOAT DPS FACTORY IRD ELECTRONIC 3-POSITION KASHIMA 165X38
Fork	FOX 32 FLOAT FACTORY 100 IRD ELECTRONIC 3-POSITION REMOTE QR15 KASHIMA
Crankset	SHIMANO XTR M9000 28X38T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	FSA K-FORCE FLAT 700MM DI2 READY
Stem	FSA OS-99 CSI
Shifters	SHIMANO XTR DI2 M9000
Brakes	SHIMANO XTR RACE M9000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR DI2 GS SHADOW PLUS
Front Derailleur	SHIMANO XTR DI2 M970 34-38T
Chain	SHIMANO HG900
Wheels	MAVIC CROSSMAX SL PRO TL 6-BOLT
Cassette	SHIMANO XTR M9000 11-40T 11-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
Seatpost	FSA K-FORCE DI2 SB0 31,6X400MM
Saddle	SELLE ITALIA SLR XC GEL FLOW
Display	SHIMANO XTR DI2



OIZ M-TEAM

Code	F238,F232

Red-Blue (Satin)
L7

White-Blue (Gloss)
L8

Size	Crank	Stem	Handlebar
S – 27.5”	170	80	700
M – 27.5”	175	80	700
M – 29”	175	80	700
L – 27.5”	175	90	700
L – 29”	175	90	700
XL – 29”	175	110	700

Frame	ORBEA MONOCOQUE RACE CARBON. CARBON UFO II REAR TRIANGLE. ADVANCED DYNAMICS 100MM SUSPENSION. CARBON SHOCK YOKE. INTERNAL DCR CABLE ROUTING. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT. ICD
Shock	FOX FLOAT DPS FACTORY 3-POSITION REMOTE ADJUST KASHIMA165X38MM
Fork	FOX 32 FLOAT FACTORY 100 FIT4 3-POS REMOTE ADJUST QR15 KASHIMA
	FOX 32 FACTORY 100 IRD 3-POS REM QR15 K+FACTORY IRD 3-POS K
Crankset	SHIMANO XTR M9000 26X36T
	SRAM XX1 30T
	SHIMANO XTR M9000 28X38T
	SHIMANO XTR DI2 M9050 28X38T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	FSA K-FORCE FLAT 700MM DI2 READY
Stem	FSA OS-99 CSI
Shifters	SHIMANO XTR M9000
Brakes	SHIMANO XTR RACE M9000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR GS SHADOW PLUS
Front Derailleur	SHIMANO XTR DIRECT MOUNT
Chain	SHIMANO HG900
Wheels	MAVIC CROSSMAX SL PRO TL 6-BOLT
Cassette	SHIMANO XTR M9000 11-40T 11-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
Seatpost	FSA K-FORCE LIGHT SB0 31,6X400MM
Saddle	SELLE ITALIA SLR XC GEL FLOW



OIZ M10

Code	F237,F231

Red-Blue (Satin)
L7

White-Blue (Gloss)
L8

Size	Crank	Stem	Handlebar
S – 27.5”	170	80	700
M – 27.5”	175	80	700
M – 29”	175	80	700
L – 27.5”	175	90	700
L – 29”	175	90	700
XL – 29”	175	110	700

Frame	ORBEA MONOCOQUE RACE CARBON. CARBON UFO II REAR TRIANGLE. ADVANCED DYNAMICS 100MM SUSPENSION. CARBON SHOCK YOKE. INTERNAL DCR CABLE ROUTING. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT. ICD
Shock	FOX FLOAT DPS FACTORY 3-POSITION REMOTE ADJUST KASHIMA165X38MM
Fork	FOX 32 FLOAT FACTORY 100 FIT4 3-POS REMOTE ADJUST QR15 KASHIMA
Crankset	SHIMANO XT M8000 26X36T
	SHIMANO XT M8000 28X38T
	SHIMANO XT M8000 30T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	FSA SL-K FLAT 700MM DI2 READY
	FSA K-FORCE FLAT 700MM KIT (BAR+STEM+SPOST)
Stem	FSA SL-K
Shifters	SHIMANO XT M8000 I-SPEC
Brakes	SHIMANO XT M8000 HYDRAULIC DISC
	SHIMANO XTR RACE M9000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR GS SHADOW PLUS
Front Derailleur	SHIMANO XT M8020 DIRECT MOUNT
Chain	SHIMANO HG700
Wheels	DT SPLINE X-1700 TLR 15/100MM CL
	MAVIC CROSSMAX SL PRO TL 6-BOLT
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
Seatpost	FSA SL-K SB0 31,6X400MM
Saddle	SELLE ITALIA SL XC FLOW CROSS
	SELLE ITALIA SLR XC GEL FLOW



OIZ M20

Code	F236,F230

Black (Gloss-Satin)
L5

Black-White (Satin)
L6

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	710
M – 27.5”	175	70	710
M – 29”	175	70	710
L – 27.5”	175	90	710
L – 29”	175	90	710
XL – 29”	175	110	710

Frame	ORBEA MONOCOQUE PERFORMANCE CARBON. CARBON UFO II REAR TRIANGLE. ADVANCED DYNAMICS 100MM TRAVEL. CARBON SHOCK YOKE. INTERNAL DCR CABLE ROUTING. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT. ICD READY
Shock	FOX FLOAT DPS FACTORY 3-POSITION REMOTE ADJUST KASHIMA165X38MM
Fork	FOX 32 FLOAT FACTORY 100 FIT4 3-POS REMOTE ADJUST QR15 KASHIMA
Crankset	SHIMANO XT M8000 26X36T
	SHIMANO XT M8000 28X38T
	SHIMANO XT M8000 30T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	RACE FACE RIDE FLAT 710MM
	FSA SL-K FLAT 700MM KIT (BAR+STEM+SPOST)
Stem	RACE FACE RIDE
Shifters	SHIMANO XT M8000 I-SPEC
Brakes	SHIMANO XT M8000 HYDRAULIC DISC
	SHIMANO XTR RACE M9000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR GS SHADOW PLUS
Front Derailleur	SHIMANO XT M8020 DIRECT MOUNT
Chain	SHIMANO HG700
Wheels	DT SPLINE X-1900 TLR 15/100MM CL
	MAVIC CROSSMAX SL PRO TL 6-BOLT
	DT SPLINE X-1700 TLR CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
	SHIMANO M520
Seatpost	RACE FACE RIDE 31.6X375MM
Saddle	SELLE ITALIA SL XC FLOW CROSS
	SELLE ITALIA SLR XC GEL FLOW



OIZ M30

Code	F235,F229

Black (Gloss-Satin)
L5

Black-White (Satin)
L6

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	710
M – 27.5”	175	70	710
M – 29”	175	70	710
L – 27.5”	175	90	710
L – 29”	175	90	710
XL – 29”	175	110	710

Frame	ORBEA MONOCOQUE PERFORMANCE CARBON. CARBON UFO II REAR TRIANGLE. ADVANCED DYNAMICS 100MM TRAVEL. CARBON SHOCK YOKE. INTERNAL DCR CABLE ROUTING. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT. ICD READY
Shock	FOX FLOAT DPS PERFORMANCE 3-POSITION REMOTE 165X38MM
	FOX FLOAT DPS FACTORY 3-POSITION REMOTE ADJUST KASHIMA165X38
Fork	FOX 32 FLOAT PERFORMANCE 100 FIT4 3-POSITION REMOTE QR15
	FOX 32 FLOAT FACTORY 100 FIT4 REMOTE ADJUST QR15 KASHIMA
Crankset	SHIMANO MT700 26X36T
	SHIMANO XT M8000 28X38T
	SHIMANO XT M8000 26X36T
	SHIMANO XT M8000 30T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	RACE FACE RIDE FLAT 710MM
	FSA SL-K FLAT 700MM KIT (BAR+STEM+SPOST)
Stem	RACE FACE RIDE
Shifters	SHIMANO XT M8000 I-SPEC (B-TYPE)
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M8000 GS SHADOW PLUS
Front Derailleur	SHIMANO XT M8020 DIRECT MOUNT
Chain	SHIMANO HG700
Wheels	DT SPLINE X-1900 TLR 15/100MM CL
	MAVIC CROSSMAX SL PRO TL 6-BOLT
	DT SPLINE X-1700 TLR CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
	SHIMANO M520
Seatpost	RACE FACE RIDE 31.6X375MM
Saddle	SELLE ITALIA SL XC FLOW CROSS
	SELLE ITALIA SLR XC GEL FLOW



OIZ M50

Code	F234,F228

Black (Gloss-Satin)
L5

Black-White (Satin)
L6

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	710
M – 27.5”	175	70	710
M – 29”	175	70	710
L – 27.5”	175	90	710
L – 29”	175	90	710
XL – 29”	175	110	710

Frame	ORBEA MONOCOQUE PERFORMANCE CARBON. CARBON UFO II REAR TRIANGLE. ADVANCED DYNAMICS 100MM TRAVEL. CARBON SHOCK YOKE. INTERNAL DCR CABLE ROUTING. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT. ICD READY
Shock	FOX FLOAT DPS PERFORMANCE 3-POSITION REMOTE 165X38MM
	FOX FLOAT DPS FACTORY 3-POSITION REMOTE ADJUST KASHIMA165X38
Fork	FOX 32 FLOAT PERFORMANCE 100 FIT4 3-POSITION REMOTE QR15
	FOX 32 FLOAT FACTORY 100 FIT4 REMOTE ADJUST QR15 KASHIMA
Crankset	SHIMANO M627 22X36T
	SHIMANO M622 22X30X40T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	RACE FACE RIDE FLAT 710MM
	FSA SL-K FLAT 700MM KIT (BAR+STEM+SPOST)
Stem	RACE FACE RIDE
Shifters	SHIMANO SLX M670 I-SPEC
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M786 SHADOW PLUS
Front Derailleur	SHIMANO SLX M677 DIRECT MOUNT
Chain	KMC X10
Wheels	DT SPLINE X-1900 TLR 15/100MM CL
	MAVIC CROSSMAX SL PRO TL 6-BOLT
	DT SPLINE X-1700 TLR CL
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
	SHIMANO M520
Seatpost	RACE FACE RIDE 31.6X375MM
Saddle	SELLE ITALIA SL XC FLOW CROSS
	SELLE ITALIA SLR XC GEL FLOW

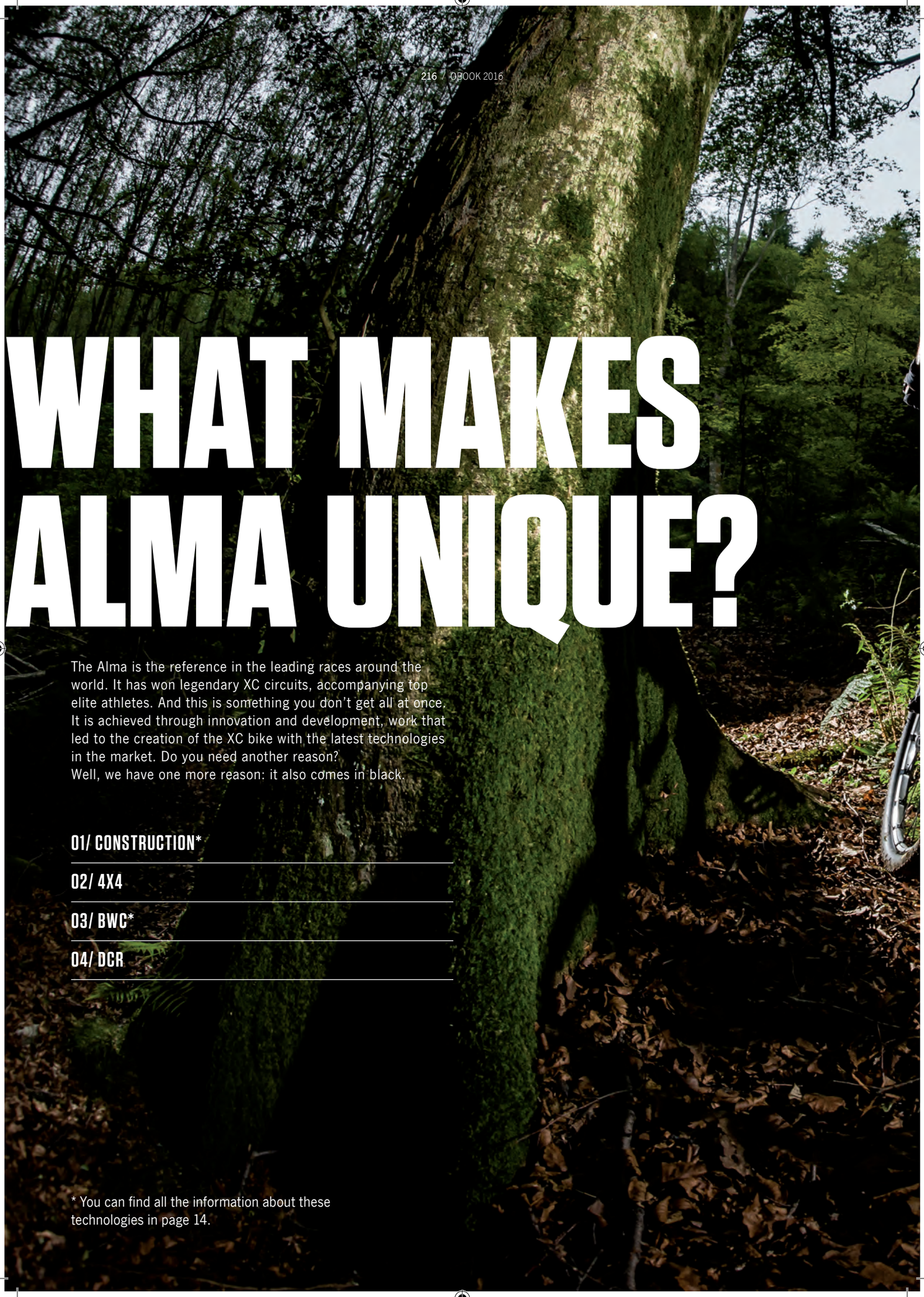

ORBEA
MAX
FOX

POWER HAS NEVER BEEN SO SUBTLE.

The most exciting objects are those that illicit desire without reason. They have a personality that gives them life. A personality that makes them unique. To some, it is simply a bicycle.
To others, it is inspiration. Desire. A communication between the heart and the mind. An organic feeling, applied with mastery and respect to the history of the object. Consideration
of the smallest detail makes it an object of desire.

Smoothness becomes strength.
Agility becomes accuracy.
Lightness becomes power.
Organic becomes pure emotion.





WHAT MAKES ALMA UNIQUE?

The Alma is the reference in the leading races around the world. It has won legendary XC circuits, accompanying top elite athletes. And this is something you don't get all at once. It is achieved through innovation and development, work that led to the creation of the XC bike with the latest technologies in the market. Do you need another reason?
Well, we have one more reason: it also comes in black.

01/ CONSTRUCTION*

02/ 4X4

03/ BWC*

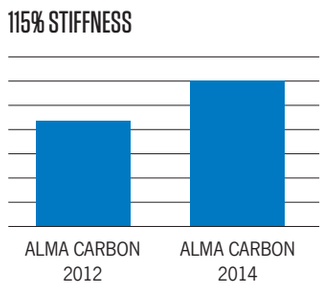
04/ DCR

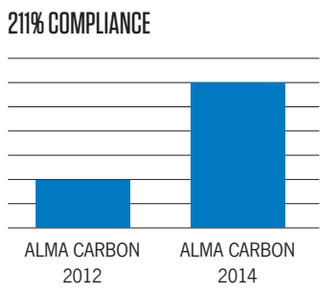
* You can find all the information about these technologies in page 14.


ORBEA

4X4, STIFFER, SMOOTHER

The stiffest bike available is not the best bike. Ride quality - Smoothness - is an elusive blend of elements and careful planning that results in an Alma that is a joy to ride. The natural flex created by adding a fourth bend to the front and rear triangles offers an efficient, smooth ride that feels like floating over rough terrain. The new Alma is stiffer laterally but astonishingly more compliant than the previous model. At the end of a grueling race it could make the difference between the podium and the consolation prize.





COMPLIANCE
RIGIDITY



DCR, SILENT PRECISION

Direct Cable Routing means that control cables take the shortest route with the fewest bends and the smallest amount of housing. Reducing heavy housing saves weight and poly tubes protect the cables, reduce friction and enhance durability. Thanks to full cable sealing and internal routing, contamination is lessened and friction reduced by up to 25%. There is a lighter and more precise feel at the levers - function, simplicity, and tidiness are paramount.

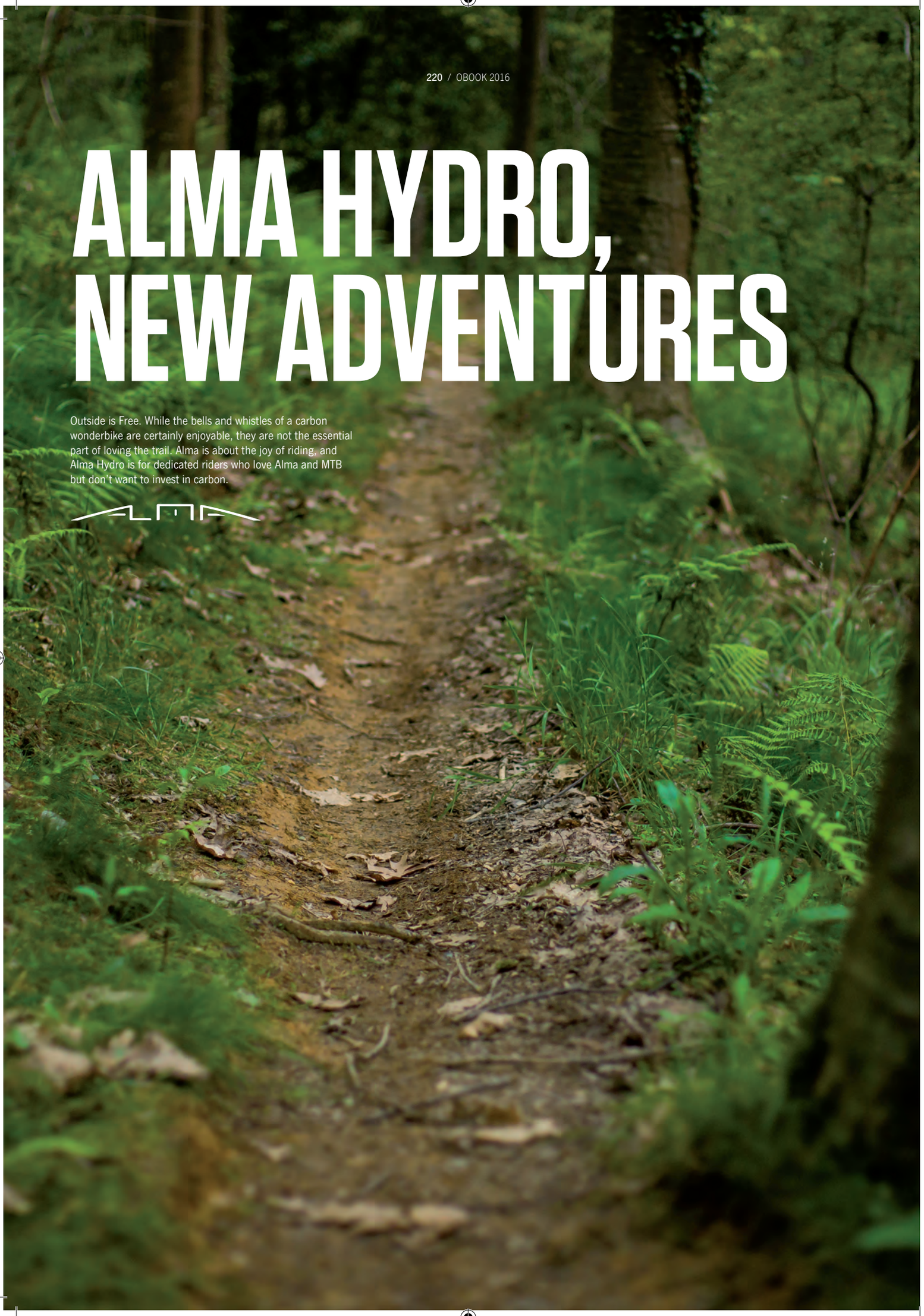
Di2 READY

The Alma is ready for electronic or mechanical shifting - the choice is yours to make. Alma relies on built-in pathways that ease the installation of cables or wires and results in streamlined, flawless shifting performance.



ALMA HYDRO, NEW ADVENTURES

Outside is Free. While the bells and whistles of a carbon wonderbike are certainly enjoyable, they are not the essential part of loving the trail. Alma is about the joy of riding, and Alma Hydro is for dedicated riders who love Alma and MTB but don't want to invest in carbon.



ORBEA HYDRO ALLOY

We manipulate the shapes and wall-thickness of our aluminum tubing to increase strength and resistance to unwanted flex. Many of the tubes are butted to save weight in the middle of the tubes, away from the stress of the joints and the weld zones. Using aluminum technologies as advanced as our carbon manufacturing ensures our aluminum bikes are never second-best.

RELIABILITY. ORBEA LIFETIME WARRANTY

LIGHTNESS. 16506

STIFFNESS. 15% STIFFER THAN ALMA HYDRO 2013

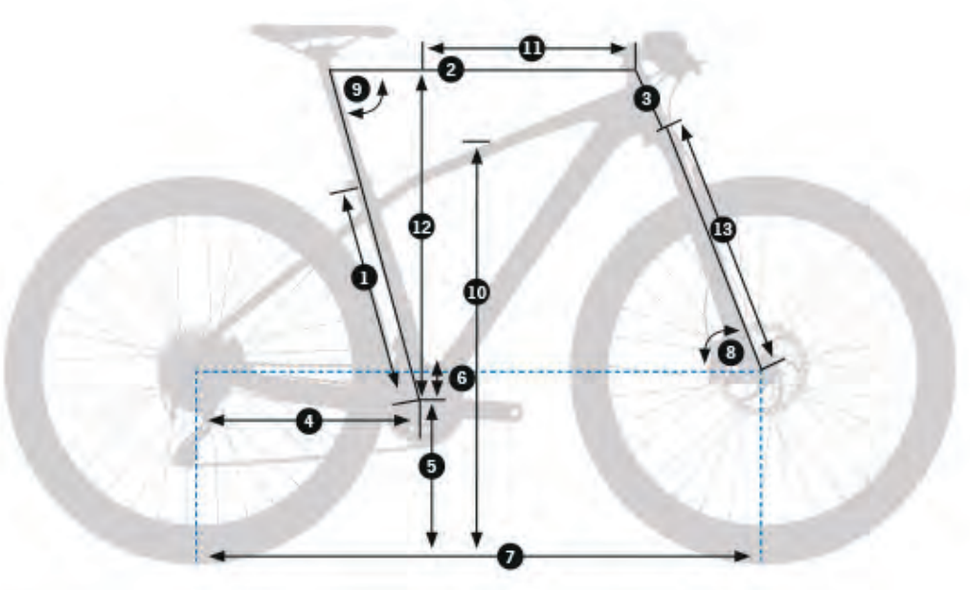


GEO CHARTS

ALMA H

SIZES	S – 27.5”	M – 27.5”	L - 27.5”	M – 29”	L - 29”	XL – 29”
1 - Seat Tube (C-T)	400	445	483	445	483	533
2 - Top Tube (EFF)	552	583	606	591	613	638
3 - Head Tube	95	105	115	100	110	125
4 - Chainstay	423	423	423	436	436	436
5 - BB Height	313	313	313	310	310	310
6 - BB Drop	42	42	42	60	60	60
7 - Wheelbase	1038	1070	1093	1084	1106	1132
8 - Head Angle	70,5º	70,5º	70,5º	70,5º	70,5º	70,5º
9 - Seat Angle	73,5º	73,5º	73,2º	73,5º	73,5º	73,5º
10 - Standover	720	747	775	747	777	820
11 - Reach	380	409	429	409	423	449
12 - Stack	577	587	596	611	621	635
13 - Fork Length	489	489	489	501	501	501

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-170	61-67	S – 27.5”
165-180	65-71	M – 27.5”
178-190	70-75	L – 27.5”
165-180	65-71	M – 29”
178-190	70-75	L – 29”
185-198	73-78	XL – 29”

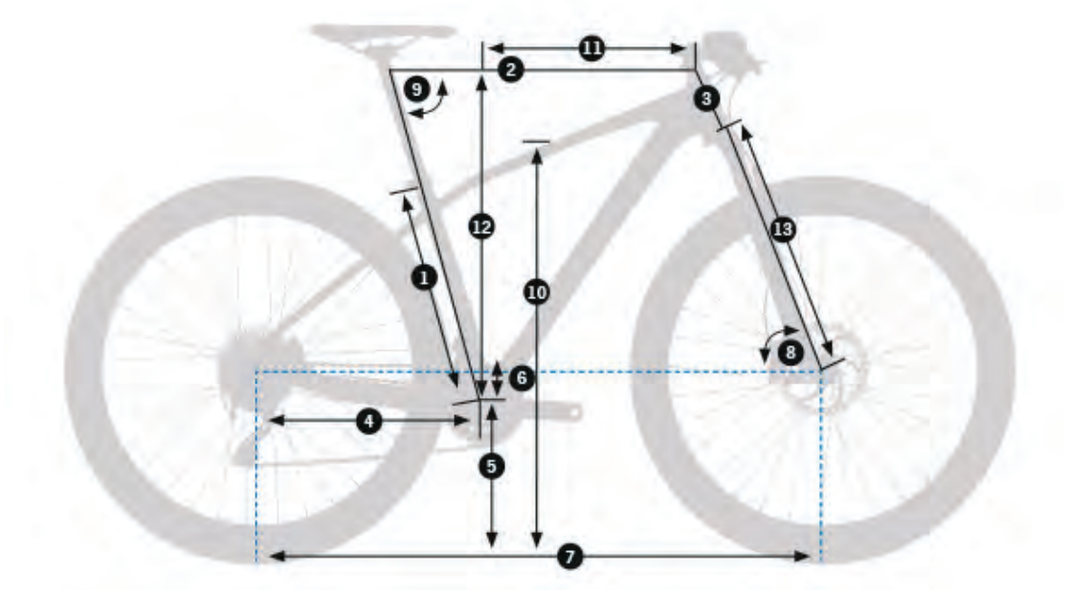


GEO CHARTS

ALMA OMR

SIZES	S – 27.5”	M – 27.5”	L – 27.5”	M – 29”	L - 29”	XL – 29”
1 - Seat Tube (C-T)	400	445	483	445	483	533
2 - Top Tube (EFF)	552	583	606	591	613	638
3 - Head Tube	95	105	115	100	110	125
4 - Chainstay	423	423	423	436	436	436
5 - BB Height	313	313	313	310	310	310
6 - BB Drop	42	42	42	60	60	60
7 - Wheelbase	1038	1070	1093	1084	1106	1132
8 - Head Angle	70,5º	70,5º	70,5º	70,5º	70,5º	70,5º
9 - Seat Angle	73,5º	73,5º	73,2º	73,5º	73,5º	73,5º
10 - Standover	720	747	775	747	777	820
11 - Reach	380	409	429	409	423	449
12 - Stack	577	587	596	611	621	635
13 - Fork Length	489	489	489	501	501	501

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-170	61-67	S – 27.5”
165-180	65-71	M – 27.5”
178-190	70-75	L – 27.5”
165-180	65-71	M – 29”
178-190	70-75	L – 29”
185-198	73-78	XL – 29”

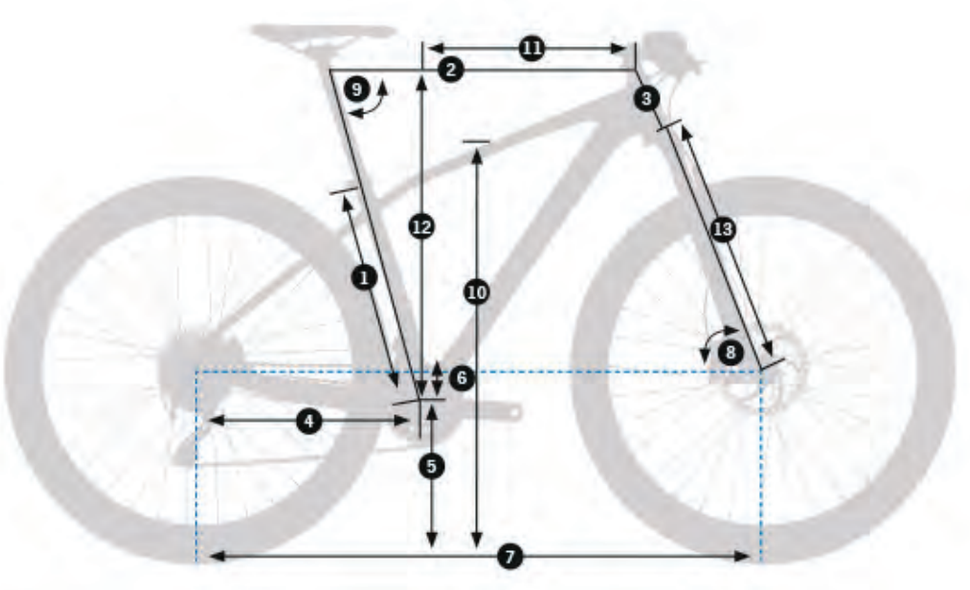


GEO CHARTS

ALMA OMP

SIZES	S – 27.5”	M – 27.5”	L – 27.5”	M – 29”	L - 29”	XL – 29”
1 - Seat Tube (C-T)	400	445	483	445	483	533
2 - Top Tube (EFF)	552	583	606	591	613	638
3 - Head Tube	95	105	115	100	110	125
4 - Chainstay	423	423	423	436	436	436
5 - BB Height	313	313	313	310	310	310
6 - BB Drop	42	42	42	60	60	60
7 - Wheelbase	1038	1070	1093	1084	1106	1132
8 - Head Angle	70,5º	70,5º	70,5º	70,5º	70,5º	70,5º
9 - Seat Angle	73,5º	73,5º	73,2º	73,5º	73,5º	73,5º
10 - Standover	720	747	775	747	777	820
11 - Reach	380	409	429	409	423	449
12 - Stack	577	587	596	611	621	635
13 - Fork Length	489	489	489	501	501	501

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-170	61-67	S – 27.5”
165-180	65-71	M – 27.5”
178-190	70-75	L – 27.5”
165-180	65-71	M – 29”
178-190	70-75	L – 29”
185-198	73-78	XL – 29”





ALMA M-LTD

Code	F245,F222

Red-Blue (Satin)
RT

White-Black (Gloss)
RY

Size	Crank	Stem	Handlebar
S – 27.5”	170	80	700
M – 27.5”	175	80	700
M – 29”	175	80	700
L – 27.5”	175	90	700
L – 29”	175	90	700
XL – 29”	175	110	700

Frame	ORBEA MONOCOQUE RACE CARBON. PATENTED 4X4 EVO CONSTRUCTION. DCR INTERNAL CABLE ROUTING. XC RACING GEOMETRY. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT DISC BRAKE. DI2 READY.
Fork	FOX 32 FLOAT FACTORY 100 IRD ELECTRONIC 3-POSITION REMOTE QR15 KASHIMA
Crankset	SHIMANO XTR M9000 26X36T
	SHIMANO XTR M9000 28X38T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	FSA K-FORCE FLAT 700MM DI2 READY
Stem	FSA OS-99 CSI
Shifters	SHIMANO XTR DI2 M9000
Brakes	SHIMANO XTR RACE M9000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR DI2 GS SHADOW PLUS
Front Derailleur	SHIMANO XTR DI2 M970 34-38T
Chain	SHIMANO HG900
Wheels	MAVIC CROSSMAX SL PRO TL 6-BOLT
Cassette	SHIMANO XTR M9000 11-40T 11-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
Seatpost	FSA K-FORCE LIGHT SB0 27.2X400MM DI2
Saddle	SELLE ITALIA SLR XC GEL FLOW
Display	SHIMANO XTR DI2



ALMA M-TEAM

Code	F244,F221

Red-Blue (Satin)
RT

White-Black (Gloss)
RY

Size	Crank	Stem	Handlebar
S – 27.5”	170	80	700
M – 27.5”	175	80	700
M – 29”	175	80	700
L – 27.5”	175	90	700
L – 29”	175	90	700
XL – 29”	175	110	700

Frame	ORBEA MONOCOQUE RACE CARBON. PATENTED 4X4 EVO CONSTRUCTION. DCR INTERNAL CABLE ROUTING. XC RACING GEOMETRY. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT DISC BRAKE. DI2 READY.
Fork	FOX 32 FLOAT FACTORY 100 FIT4 3-POS REMOTE ADJUST QR15 KASHIMA
Crankset	SHIMANO XTR M9000 26X36T
	SHIMANO XTR DI2 M9050 26X36T
	SRAM XX1 30T
	SHIMANO XTR M9000 28X38T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	FSA K-FORCE FLAT 700MM DI2 READY
Stem	FSA OS-99 CSI
Shifters	SHIMANO XTR M9000
Brakes	SHIMANO XTR RACE M9000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR GS SHADOW PLUS
Front Derailleur	SHIMANO XTR M9025 34,9MM
Chain	SHIMANO HG900
Wheels	MAVIC CROSSMAX SL PRO TL 6-BOLT
Cassette	SHIMANO XTR M9000 11-40T 11-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
Seatpost	FSA K-FORCE LIGHT SB0 27.2X400MM
Saddle	SELLE ITALIA SLR XC GEL FLOW



ALMA M10

Code	F243,F220

Red-Blue (Satin)
RT

White-Black (Gloss)
RY

Size	Crank	Stem	Handlebar
S – 27.5”	170	80	700
M – 27.5”	175	80	700
M – 29”	175	80	700
L – 27.5”	175	90	700
L – 29”	175	90	700
XL – 29”	175	110	700

Frame	ORBEA MONOCOQUE RACE CARBON. PATENTED 4X4 EVO CONSTRUCTION. DCR INTERNAL CABLE ROUTING. XC RACING GEOMETRY. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT DISC BRAKE. DI2 READY.
Fork	FOX 32 FLOAT FACTORY 100 FIT4 3-POS REMOTE ADJUST QR15 KASHIMA
Crankset	SHIMANO XT M8000 26X36T
	SHIMANO XT M8000 28X38T
	SHIMANO XT M8000 30T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	FSA SL-K FLAT 700MM DI2 READY
	FSA K-FORCE FLAT 700MM KIT (BAR+STEM+SPOST)
Stem	FSA SL-K
Shifters	SHIMANO XT M8000 I-SPEC
Brakes	SHIMANO XT M8000 HYDRAULIC DISC
	SHIMANO XTR RACE M9000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR GS SHADOW PLUS
Front Derailleur	SHIMANO XT M8025 34,9MM
Chain	SHIMANO HG700
Wheels	DT SPLINE X-1700 TLR 15/100MM CL
	MAVIC CROSSMAX SL PRO TL 6-BOLT
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
Seatpost	FSA SL-K SB0 27.2X400MM
Saddle	SELLE ITALIA SL XC FLOW CROSS
	SELLE ITALIA SLR XC GEL FLOW



ALMA M20

Code	F242,F219

Black (Satin)
RG

Green-Yellow (Satin)
RH

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	710
M – 27.5”	175	70	710
M – 29”	175	70	710
L – 27.5”	175	90	710
L – 29”	175	90	710
XL – 29”	175	110	710

Frame	ORBEA MONOCOQUE PERFORMANCE CARBON. PATENTED 4X4 EVO CONSTRUCTION. DCR INTERNAL CABLE ROUTING. XC RACING GEOMETRY. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT DISC BRAKE. DI2 READY.
Fork	FOX 32 FLOAT FACTORY 100 FIT4 3-POS REMOTE ADJUST QR15 KASHIMA
Crankset	SHIMANO XT M8000 26X36T
	SHIMANO XT M8000 28X38T
	SHIMANO XT M8000 30T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	RACE FACE RIDE FLAT 710MM
	FSA SL-K FLAT 700MM KIT (BAR+STEM+SPOST)
Stem	RACE FACE RIDE
Shifters	SHIMANO XT M8000 I-SPEC
Brakes	SHIMANO XT M8000 HYDRAULIC DISC
	SHIMANO XTR RACE M9000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XTR GS SHADOW PLUS
Front Derailleur	SHIMANO XT M8025 34,9MM
Chain	SHIMANO HG700
Wheels	DT SPLINE X-1900 TLR 15/100MM CL
	MAVIC CROSSMAX SL PRO TL 6-BOLT
	DT SPLINE X-1700 TLR CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
	SHIMANO M520
Seatpost	RACE FACE RIDE 27.2X375MM
Saddle	SELLE ITALIA SL XC FLOW CROSS
	SELLE ITALIA SLR XC GEL FLOW



ALMA M30

Code	F241,F218

Black (Satin)
RG

Green-Yellow (Satin)
RH

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	710
M – 27.5”	175	70	710
M – 29”	175	70	710
L – 27.5”	175	90	710
L – 29”	175	90	710
XL – 29”	175	110	710

Frame	ORBEA MONOCOQUE PERFORMANCE CARBON. PATENTED 4X4 EVO CONSTRUCTION. DCR INTERNAL CABLE ROUTING. XC RACING GEOMETRY. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT DISC BRAKE. DI2 READY.
Fork	ROCKSHOX REBA RL 100 FAST BLACK QR15
	FOX 32 FLOAT FACTORY 100 FIT4 REMOTE ADJUST QR15 KASHIMA
	FOX 32 FLOAT PERFORMANCE 100 FIT4 3-POSITION REMOTE QR15
Crankset	SHIMANO MT700 26X36T
	SHIMANO XT M8000 28X38T
	SHIMANO XT M8000 26X36T
	SHIMANO XT M8000 30T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	RACE FACE RIDE FLAT 710MM
	FSA SL-K FLAT 700MM KIT (BAR+STEM+SPOST)
Stem	RACE FACE RIDE
Shifters	SHIMANO XT M8000 I-SPEC (B-TYPE)
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M8000 GS SHADOW PLUS
Front Derailleur	SHIMANO XT M8025 34,9MM
Chain	SHIMANO HG700
Wheels	DT SPLINE X-1900 TLR 15/100MM CL
	MAVIC CROSSMAX SL PRO TL 6-BOLT
	DT SPLINE X-1700 TLR CL
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” TLR EXO (29”:ARDENT RACE 2,20”)
Pedals	N/A
	SHIMANO M520
Seatpost	RACE FACE RIDE 27.2X375MM
Saddle	SELLE ITALIA SL XC FLOW CROSS
	SELLE ITALIA SLR XC GEL FLOW



ALMA M50

Code	F240,F217

Black (Satin)
RG

Green-Yellow (Satin)
RH

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	710
M – 27.5”	175	70	710
M – 29”	175	70	710
L – 27.5”	175	90	710
L – 29”	175	90	710
XL – 29”	175	110	710

Frame	ORBEA MONOCOQUE PERFORMANCE CARBON. PATENTED 4X4 EVO CONSTRUCTION. DCR INTERNAL CABLE ROUTING. XC RACING GEOMETRY. TAPERED HEAD TUBE. PF92 PRESS FIT. DIRECT POST MOUNT DISC BRAKE. DI2 READY.
Fork	ROCKSHOX REBA RL 100 FAST BLACK QR15
	FOX 32 FLOAT FACTORY 100 FIT4 REMOTE ADJUST QR15 KASHIMA
	FOX 32 FLOAT PERFORMANCE 100 FIT4 3-POSITION REMOTE QR15
Crankset	FSA COMET MEGAEXO 22X36T
	FSA COMET MEGAEXO 22X30X40T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	RACE FACE RIDE FLAT 710MM
	FSA SL-K FLAT 700MM KIT (BAR+STEM+SPOST)
Stem	RACE FACE RIDE
Shifters	SHIMANO SLX M670 I-SPEC
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M786 SHADOW PLUS
Front Derailleur	SHIMANO DEORE M618 34,9MM
Chain	FSA TEAM ISSUE
Wheels	MACH1 TRAXX 21C TUBELESS READY
	DT SPLINE X-1900 TLR CL+MAXXIS IKON 2.20” TLR
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS IKON 2.20” FB 60 TPI DUAL
	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” FB 60 TPI (29”:ARDENT RACE 2,20”)
Pedals	N/A
	SHIMANO M520
Seatpost	RACE FACE RIDE 27.2X375MM
Saddle	SELLE ROYAL SETA S1
	SELLE ITALIA SL XC FLOW CROSS



ALMA H10

Code	F216,F213

Blue-Orange (Satin)
Y1

Black-Red (Gloss)
Y2

Red-Orange (Gloss-Satin)
Y3

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	710
M – 27.5”	175	70	710
M – 29”	175	70	710
L – 27.5”	175	90	710
L – 29”	175	90	710
XL – 29”	175	110	710

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALUMINUM. PATENTED 4X4 EVO CONSTRUCTION. TAPERED HEAD TUBE. XC RACING GEOMETRY. DIRECT POST MOUNT DISC BRAKE.
Fork	FOX 32 FLOAT PERFORMANCE 100 FIT4 3-POSITION 9QR
	FOX 32 FLOAT FACTORY 100 FIT4 REMOTE ADJUST QR15 KASHIMA
	FOX 32 FLOAT PERFORMANCE 100 FIT4 3-POSITION REMOTE QR15
	ROCKSHOX REBA RL 100 AIR QR15
Crankset	SHIMANO MT700 26X36T
	SHIMANO XT M8000 28X38T
	SHIMANO XT M8000 26X36T
	SHIMANO XT M8000 30T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	RACE FACE RIDE FLAT 710MM
	FSA SL-K FLAT 700MM KIT (BAR+STEM+SPOST)
Stem	RACE FACE RIDE
Shifters	SHIMANO XT M8000 I-SPEC (B-TYPE)
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M8000 GS SHADOW PLUS
Front Derailleur	SHIMANO XT M8025 31,8MM
Chain	SHIMANO HG700
Wheels	MACH1 TRAXX 21C TUBELESS READY
	DT SPLINE X-1900 TLR CL+MAXXIS IKON 2.20” TLR
Cassette	SHIMANO XT M8000 11-42T 11-SPEED
Tyres	MAXXIS IKON 2.20” FB 60 TPI DUAL
	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” FB 60 TPI (29”:ARDENT RACE 2,20”)
Pedals	N/A
	SHIMANO M520
Seatpost	RACE FACE RIDE 27.2X375MM
Saddle	SELLE ROYAL SETA S1
	SELLE ITALIA SL XC FLOW CROSS



ALMA H30

Code	F215,F212

Blue-Orange (Satin)
Y1

Black-Red (Gloss)
Y2

Red-Orange (Gloss-Satin)
Y3

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	720
M – 27.5”	175	70	720
M – 29”	175	70	720
L – 27.5”	175	90	720
L – 29”	175	90	720
XL – 29”	175	110	720

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALUMINUM. PATENTED 4X4 EVO CONSTRUCTION. TAPERED HEAD TUBE. XC RACING GEOMETRY. DIRECT POST MOUNT DISC BRAKE.
Fork	FOX 32 FLOAT PERFORMANCE 100 FIT4 3-POSITION 9QR
	FOX 32 FLOAT PERFORMANCE 100 FIT4 3-POSITION REMOTE QR15
	ROCKSHOX REBA RL 100 AIR QR15
Crankset	SHIMANO M627 22X36T
	SHIMANO M622 22X30X40T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	ORBEA OC-II FLAT 720MM
	RACE FACE RIDE FLAT 710MM KIT (BAR+STEM+SPOST)
Stem	ORBEA OC-II
Shifters	SHIMANO SLX M670 I-SPEC
Brakes	SHIMANO M506 HYDRAULIC DISC
	SHIMANO XT M8000 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M781 SHADOW
Front Derailleur	SHIMANO DEORE M618 31,8MM
Chain	KMC X10
Wheels	MACH1 TRAXX 21C TUBELESS READY
	DT SPLINE X-1900 TLR CL+MAXXIS IKON 2.20” TLR
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS IKON 2.20” FB 60 TPI DUAL
	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” FB 60 TPI (29”:ARDENT RACE 2,20”)
Pedals	N/A
	SHIMANO M520
Seatpost	ORBEA OC-II 27.2X400MM
Saddle	SELLE ROYAL SETA S1
	SELLE ITALIA SL XC FLOW CROSS



ALMA H50

Code	F214,F211

Blue-Orange (Satin)
Y1

Black-Red (Gloss)
Y2

Red-Orange (Gloss-Satin)
Y3

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	720
M – 27.5”	175	70	720
M – 29”	175	70	720
L – 27.5”	175	90	720
L – 29”	175	90	720
XL – 29”	175	110	720

Frame	ORBEA HYDROFORMED TRIPLE BUTTED ALUMINUM. PATENTED 4X4 EVO CONSTRUCTION. TAPERED HEAD TUBE. XC RACING GEOMETRY. DIRECT POST MOUNT DISC BRAKE.
Fork	ROCKSHOX RECON SILVER TK 100 AIR QR
Crankset	FSA COMET MEGAEXO 22X36T
	FSA COMET MEGAEXO 22X30X40T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	ORBEA OC-II FLAT 720MM
	RACE FACE RIDE FLAT 710MM KIT (BAR+STEM+SPOST)
Stem	ORBEA OC-II
Shifters	SHIMANO DEORE M591
Brakes	SHIMANO M425 HYDRAULIC DISC
	SHIMANO M506 HYDRAULIC DISC
Rear Derailleur	SHIMANO SLX M670 SHADOW
Front Derailleur	SHIMANO DEORE M618 31,8MM
Chain	FSA TEAM ISSUE
Wheels	MACH1 TRAXX 21C TUBELESS READY
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	MAXXIS IKON 2.20” FB 60 TPI DUAL
	MAXXIS IKON 2.20” TLR 120 TPI 3C EXO
	MAXXIS ARDENT 2,25” FB 60 TPI (29”:ARDENT RACE 2,20”)
Pedals	VP-990S BLACK
	SHIMANO M520
Seatpost	ORBEA OC-II 27.2X400MM
Saddle	SELLE ROYAL SETA S1
	SELLE ITALIA SL XC FLOW CROSS



SERIOUS FUN.

The MX are technologically innovative bikes that have been designed for terrific fun with the essence of MTB: nice races between friends, off-road trails, long routes, a cyclo sportive once in a while, laughter and nature…

MTB at its best!

MX COMPACT GEOMETRY

Orbea MX Compact Geometry is the key technology behind MX bikes to improve the performance of mountain bikers who, above all, want to have fun!

It very noticeably improves steering control, agility and stability, both uphill and downhill, on the trail or off-road, and provides maximum pedaling performance for bikers who are looking for riding “FUN”.

ERGONOMICS
Small changes but big improvements for great FUN.

Ergonomically speaking, the pedaling position is more ‘natural’, which leads to reduced fatigue and improved bike handling. This is particularly important if you aren’t interested in lifting the World Cup but are always ready for big fun.

AGILITY
You’ll see how easy it is to negotiate areas that seemed difficult before. The bike is agile in both ascents and descents on all terrains.

This frame with pronounced slope provides extra riding agility, which means more fun as well as greater safety and maximum comfort. In our labs, we tested the frame for rigidity, but the long seatpost helps ‘absorb’ vibrations before they reach your back.

STABILITY AND SAFETY
The MX move safely and reliably… The secret? We’ve lowered the biker’s gravity center.

We’ve lowered the gravity center, by slightly lowering the bottom bracket for you to ride in a more stable fashion. The result is remarkable balance and perfect composure in uphill and downhill riding. This is one of the distinguishing features of the MX Compact Geometry.

CONTROL
The MX Compact Geometry takes the bicycle as a whole, not just the frame. With the 70mm stem we’ve got a stable bike on descents because the handlebar stem stands a few millimeters behind the front wheel axis and enables the biker to slide their weight back on technical sections. It’s here that you’ll notice how the control of the bicycle has improved (it can save you a crash or two). However, it’s good in every riding environment, even on flat roads, because this type of bike is remarkably easier to handle. Everything will be in your full control!

SUPER STRONG NECK
This technology, used in the Rallon, the Occam and the MX, is the result of computer-based resistance calculations (or finite element analysis) that help us optimize Orbea’s product performance. Modifying the front part of the top tube, we got a stiffer front end. The bike is thus safer in all riding conditions, especially on loose rocks, roots and mud, which are commonplace in mountain biking areas.

4S, ORBEA’S TOTAL TRACTION TECHNOLOGY!
Its four-vertex rear triangle ensures us greater rigidity and transmits all the power, reducing lateral torsion as much as possible (we’ve calculated it using finite element software, tested it in our laboratory and, in particular, felt it over the terrain).




ORBEA
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FEATURES

INTERNAL CABLE ROUTING

Your MX is always ready! In addition to its clean esthetic line, the ICR system lengthens (x10) the gear change system, making it smoother.

The gear change cables need the most maintenance of anything on a conventional mountain bike. If you take a little longer ride and it's raining or there's mud (or even if you just wash your bike with pressurized water), you'll probably have to replace the cables and gear covers after only a few rides, since they get dirty and no longer operate smoothly. When they stop operating smoothly, we have to use more force on them, which results in wear and tear on the mechanical systems and causes them to lose precision. Orbea's complete ICR cable system prevents all this, and your MX will always be ready!
(When the time comes when you do need to replace the cables, you'll be surprised how easy this is with the ICR system. Much easier than on a conventional system!)

HEXATUBING

The polyhedral shape of the tubes improves the strength and rigidity properties of the entire frame.

The development of tubes with edges on Rallon, Occam and MX models provides better performance in terms of overall frame durability, rigidity and strength. The feeling on the bike is more "compact" and solid.

FUSIBLE DERAILLEUR DROP-OUT

A replaceable rear derailleur hanger can "save" the life of your frame.

A replaceable derailleur hanger is essential if it gets hit hard (as the result of a fall, during transport, etc.). The part gets damaged, but it's a simple matter of replacing it (otherwise, the damaged part could be the frame, in which case the repairs will always be a lot trickier).

So this factor may prove more important than it would seem!

27,5"/29"

"Big Wheel" or "Small Wheel"? That's the question!

At Orbea, we've conducted different tests with both our racing team and novice and experienced riders. Results have shown that performance and fun (each independently from one another) clearly improve with both size extremes. The little ones with small wheels, and the larger ones with 29" wheels. In the middle of the size range, performance, stability and comfort are generally greater with 29" wheels, but some riders have shown a preference for the more sensitive 27'5" wheels, so you'll find both options in the M and L sizes. This represents a greater manufacturing effort that few brands would take on; but for us, the important thing is to offer what's best for each rider.

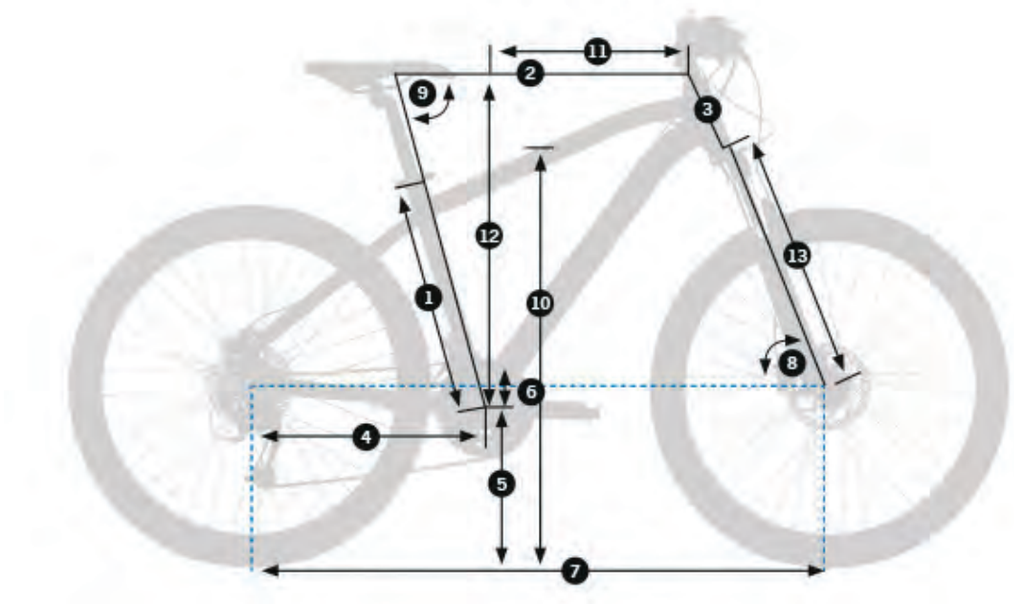

ORBEA
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GEO CHARTS

MX

SIZES	S – 27.5”	M – 27.5”	L – 27.5”	M – 29”	L – 29”	XL – 29”
1 - Seat Tube (C-T)	388	430	460	430	470	510
2 - Top Tube (EFF)	548	575	597	578	587	616
3 - Head Tube	100	110	120	110	115	130
4 - Chainstay	440	440	440	450	450	450
5 - BB Height	305	305	305	305	305	305
6 - BB Drop	45	45	45	65	65	65
7 - Wheelbase	1054	1076	1099	1085	1095	1124
8 - Head Angle	69º	70º	70º	70º	70º	70º
9 - Seat Angle	73º	73º	73º	73º	73º	73º
10 - Standover	773	798	810	813	834	852
11 - Reach	370	394	413	386	394	418
12 - Stack	583	593	602	628	633	647
13 - Fork Length	490	490	490	506	506	506

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-170	61-67	S – 27.5”
165-180	65-71	M – 27.5”
178-190	70-75	L – 27.5”
165-180	65-71	M – 29”
178-190	70-75	L – 29”
185-198	73-78	XL – 29”





MX 10

Code	F210,F205

Black-Red (Gloss-Satin)
MG

Black-Blue (Gloss)
MH

Blue-Black (Satin)
MI

Orange-Black (Gloss)
MJ

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	680
M – 27.5”	170	70	680
M – 29”	170	70	720
L – 27.5”	175	70	680
L – 29”	175	70	720
XL – 29”	175	70	720

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	ROCK SHOX XC30 TK 100 AIR QR
Crankset	SUNTOUR XCM 22X36T
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 720MM
Stem	ORBEA OC-II
Shifters	SHIMANO DEORE M591
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M781 SHADOW
Front Derailleur	SHIMANO DEORE M618 31,8MM
Chain	FSA TEAM ISSUE
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	KENDA K922 2.10”
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO 1353



MX 20

Code	F209,F204

Black-Red (Gloss-Satin)
MG

Black-Blue (Gloss)
MH

Blue-Black (Satin)
MI

Orange-Black (Gloss)
MJ

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	680
M – 27.5”	170	70	680
M – 29”	170	70	720
L – 27.5”	175	70	680
L – 29”	175	70	720
XL – 29”	175	70	720

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR XCR LO-R COIL 100MM QR
Crankset	FSA ALPHA DRIVE 22X30X40T
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 720MM
Stem	ORBEA OC-II
Shifters	SHIMANO DEORE M591
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO DEORE M593 SHADOW
Front Derailleur	SHIMANO DEORE M591 31.8MM
Chain	FSA TEAM ISSUE
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	KENDA K922 2.10”
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO 1353



MX 30

Code	F208,F203

Black-Blue (Gloss)
MH

Blue-Black (Satin)
MI

Orange-Black (Gloss)
MJ

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	680
M – 27.5”	170	70	680
M – 29”	170	70	720
L – 27.5”	175	70	680
L – 29”	175	70	720
XL – 29”	175	70	720

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR XCT HLO 100MM QR
Crankset	SHIMANO M371 22X32X44T
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 720MM
Stem	ORBEA OC-II
Shifters	SHIMANO M370
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ACERA M3000
Front Derailleur	SHIMANO M371 34,9MM
Chain	SHIMANO HG53
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	KENDA K922 2.10”
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO 1353



MX 40

Code	F207,F202

Black-Blue (Gloss)
MH

Blue-Black (Satin)
MI

Orange-Black (Gloss)
MJ

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	680
M – 27.5”	170	70	680
M – 29”	170	70	720
L – 27.5”	175	70	680
L – 29”	175	70	720
XL – 29”	175	70	720

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR XCT HLO 100MM QR
Crankset	SHIMANO M171 24X34X42T
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 720MM
Stem	ORBEA OC-II
Shifters	SHIMANO M310
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ALTUS M310
Front Derailleur	SHIMANO ALTUS M313 31,8MM
Chain	KMC Z8
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG200 12-32T 8-SPEED
Tyres	KENDA K922 2.10”
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO 1353



MX 50

Code	F206,F201

Black-Blue (Gloss)
MH

Blue-Black (Satin)
MI

Orange-Black (Gloss)
MJ

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	680
M – 27.5”	170	70	680
M – 29”	170	70	720
L – 27.5”	175	70	680
L – 29”	170	70	720
XL – 29”	170	70	720

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR M3030 75MM DISC QR
Crankset	SHIMANO M131 24X34X42T
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 720MM
Stem	ORBEA OC-II
Shifters	SHIMANO STEF 51
Brakes	TEKTRO MONOBLOCK MECHANICAL DISC
Rear Derailleur	SHIMANO TX35
Front Derailleur	SHIMANO ALTUS M313 31,8MM
Chain	KMC Z50
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG20 12-32T 7-SPEED
Tyres	KENDA K922 2.10”
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO 1353


ALL USE
EQUIPPED FOR
PURE BIKING.
ALL USE COMFORT



ALL USE e//COMFORT

THIS IS ONE OF THE MOST COMFORTABLE AND CAPABLE ALL-USE BIKES.

ALL-USE COMFORT = Versatility with Comfort.
All-Use Comfort bikes are designed and intended for riding comfort. That's why they have
a higher handlebar and adjustable stem, so you can adjust the bike to your natural position. It also has details like ergonomic grips, nice pedals, and of course, a very comfortable seat.
Top models also include seat and front wheel suspension.
All-Use Comfort bikes are mainly that… Comfortable!



FEATURES



EASY RACK
Decide on the spur of the moment if you want to carry weight.

If you decide to mount a pack rack, it's important to point out that this frame is designed for easy mounting, with large, quality bolts (that are still discreet, matching the overall look of the bike).

We recommend you use Orbea's pack rack as the perfect esthetic and functional match for this model.



FUSIBLE DERAILLEUR DROPOU
A replaceable rear derailleur hanger can "save" the life of your frame.

A replaceable derailleur hanger is essential if it gets hit hard (as the result of a fall, during transport, etc.). The part gets damaged, but it's a simple matter of replacing it (otherwise, the damaged part could be the frame, in which case the repairs will always be a lot trickier).

So this factor may prove more important than it would seem!



COMFORT PACK
All-Use Comfort bikes are designed and intended for riding comfort. That's why they have a higher handlebar and adjustable stem, so you can adjust the bike to your natural position. It also has details like ergonomic grips, nice pedals, and of course, a very comfortable seat.

Top models also include seat and front wheel suspension.

All-Use Comfort bikes are mainly that… Comfortable!



27´5" AND 28"
Choose your wheel! It's easy. We'll give you some hints!

At Orbea, we've conducted riding tests with different users, from beginners to professionals, and the results show that for size S, users do better with 27´5" wheels. On the other hand, large sizes do better with 28" wheels. For the sizes in the middle, those who are going to ride a lot of routes or rolling stretches (a lot of travel in the bike lane, long distances, etc.) usually prefer the tread of 28" wheels, while those who are going to do a lot of riding in the city are normally better off with 27´5" wheels, which give them greater agility at low speeds.

EASY RIDE GEOMETRY
The ergonomics of All-Use bikes provide improved control, thanks to a lower center of gravity, a more natural riding position and maneuverability that is enhanced by the frame design.

It's while you're riding that you'll be surprised by how comfortable the All-Use bike really is and how easy it is to travel over any terrain and in any situation.



INTERNAL CABLE ROUTING
The gear change cables need the most maintenance of anything on a conventional mountain bike. If you take a little longer ride and it's raining or there's mud (or even if you just wash your bike with pressurized water), you'll probably have to replace the cables and gear covers after only a few rides, since they get dirty and no longer operate smoothly. When they stop operating smoothly, we have to use more force on them, which results in wear and tear on the mechanical systems and causes them to lose precision. Orbea's complete ICR cable system prevents all this, and your All-Use will always be ready!

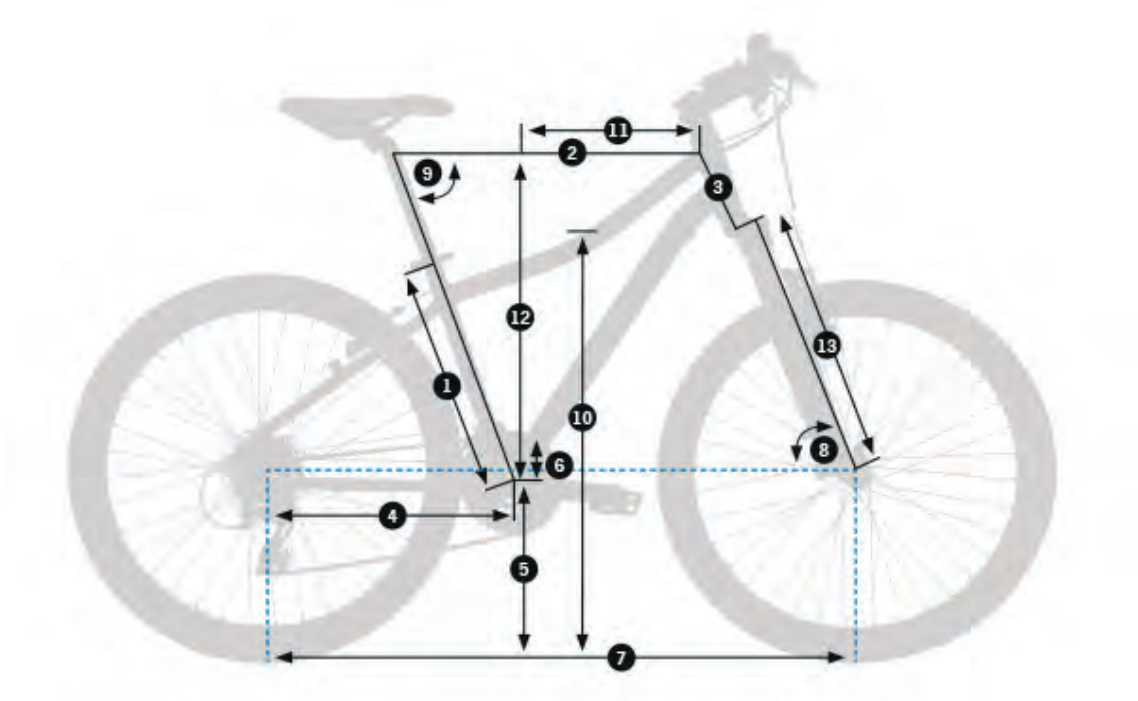
(When the time comes when you do need to replace the cables, you'll be surprised how easy this is with the ICR system. Much easier than on a conventional system!)

GEO CHARTS

COMFORT

SIZES	S – 27.5”	M – 27.5”	L – 27.5”	M – 28”	L – 28”	XL – 28”
1 - Seat Tube (C-T)	402	430	460	430	465	500
2 - Top Tube (EFF)	534	575	590	576	597	616
3 - Head Tube	120	130	140	120	130	145
4 - Chainstay	440	440	440	450	450	450
5 - BB Height	296	296	296	303	303	303
6 - BB Drop	50	50	50	65	65	65
7 - Wheelbase	1040	1076	1091	1077	1099	1119
8 - Head Angle	69,5º	70º	70º	70,5º	70,5º	70,5º
9 - Seat Angle	73º	73º	73º	74º	74º	74º
10 - Standover	786	803	821	813	833	885
11 - Reach	349	386	398	400	418	433
12 - Stack	606	618	627	614	623	637
13 - Fork Length	490	490	490	475	475	475

HEIGHT (CM)	HEIGHT (IN)	SIZE
150-160	59-63	S – 27.5”
165-180	65-71	M – 27.5”
177-200	70-79	L – 27.5”
165-175	65-69	M – 28”
175-185	69-73	L – 28”
185-208	73-82	XL – 28”

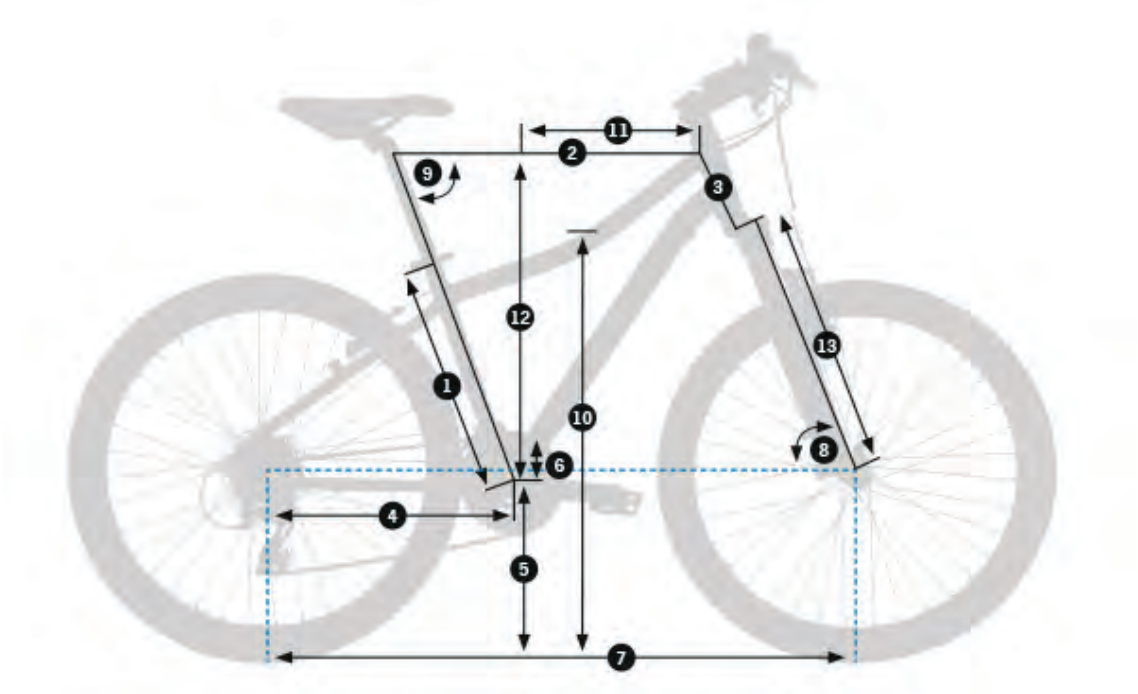


GEO CHARTS

COMFORT OPEN

SIZES	S – 27.5”	M – 27.5”	L – 27.5”	M – 28”	L – 28”	XL – 28”
1 - Seat Tube (C-T)	402	430	460	430	465	500
2 - Top Tube (EFF)	529	561	580	562	582	602
3 - Head Tube	135	150	160	140	150	165
4 - Chainstay	440	440	440	450	450	450
5 - BB Height	296	296	296	303	303	303
6 - BB Drop	50	50	50	65	65	65
7 - Wheelbase	1035	1062	1082	1064	1085	1105
8 - Head Angle	69,5º	70º	70º	70,5º	70,5º	70,5º
9 - Seat Angle	73º	73º	73º	74º	74º	74º
10 - Standover						
11 - Reach	339	366	382	380	398	413
12 - Stack	620	637	646	633	642	656
13 - Fork Length	490	490	490	475	475	475

HEIGHT (CM)	HEIGHT (IN)	SIZE
150-160	59-63	S – 27.5”
165-180	65-71	M – 27.5”
177-200	70-79	L – 27.5”
165-175	65-69	M – 28”
175-185	69-73	L – 28”
185-208	73-82	XL – 28”

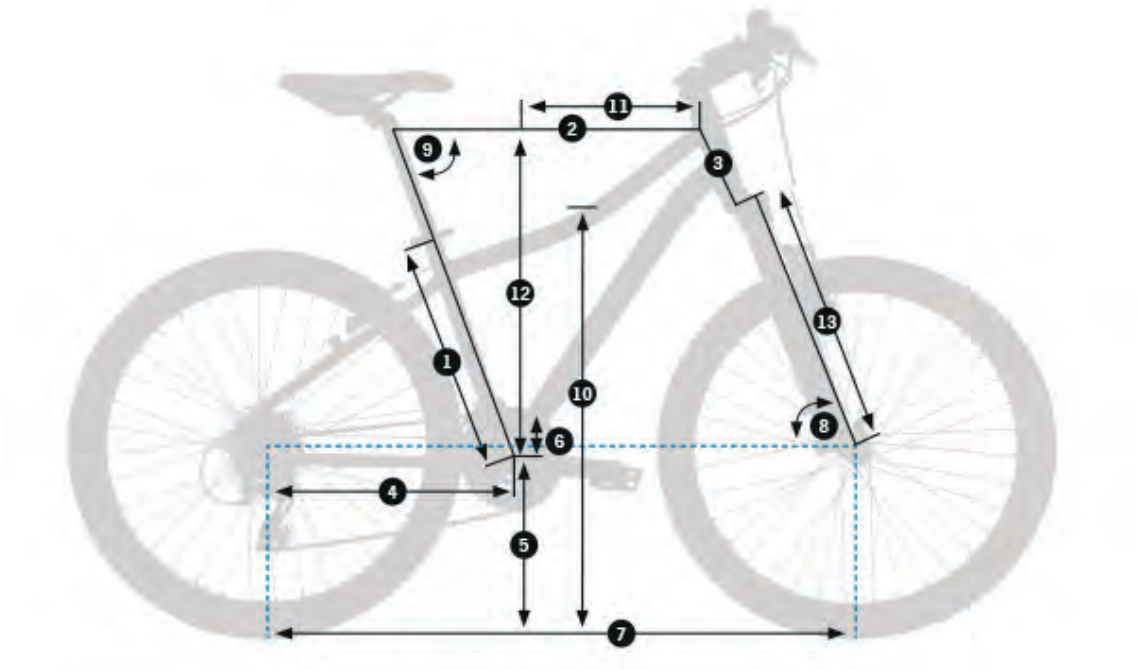


GEO CHARTS

COMFORT ENTRANCE

SIZES	S – 27.5”	M – 27.5”	L – 27.5”	M – 28”	L – 28”	XL – 28”
1 - Seat Tube (C-T)	402	430	460	430	465	500
2 - Top Tube (EFF)	532	568	585	569	585	605
3 - Head Tube	130	140	150	130	140	150
4 - Chainstay	440	440	440	450	450	450
5 - BB Height	296	296	296	303	303	303
6 - BB Drop	50	50	50	65	65	65
7 - Wheelbase	1038	1069	1086	1071	1087	1109
8 - Head Angle	69,5º	70º	70º	70,5º	70,5º	70,5º
9 - Seat Angle	73º	73º	73º	74º	74º	74º
10 - Standover	737	749	772	759	782	805
11 - Reach	344	376	390	390	403	418
12 - Stack	616	627	637	624	633	652
13 - Fork Length	490	490	490	475	475	475

HEIGHT (CM)	HEIGHT (IN)	SIZE
150-160	59-63	S – 27.5”
165-180	65-71	M – 27.5”
177-200	70-79	L – 27.5”
165-175	65-69	M – 28”
175-185	69-73	L – 28”
185-208	73-82	XL – 28”

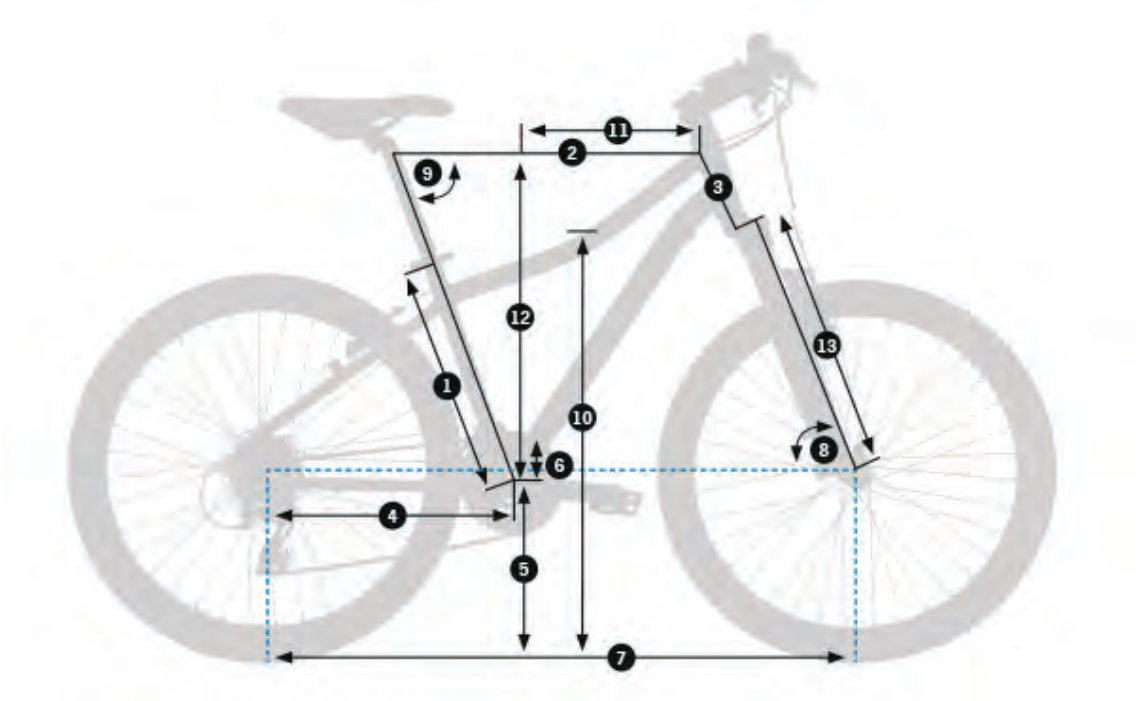


GEO CHARTS

COMFORT EQ

SIZES	S – 27.5”	M – 27.5”	L – 27.5”	M – 28”	L – 28”	XL – 28”
1 - Seat Tube (C-T)	402	430	460	430	465	500
2 - Top Tube (EFF)	534	575	590	576	597	616
3 - Head Tube	120	130	140	120	130	145
4 - Chainstay	440	440	440	450	450	450
5 - BB Height	296	296	296	303	303	303
6 - BB Drop	50	50	50	65	65	65
7 - Wheelbase	1040	1076	1091	1077	1099	1119
8 - Head Angle	69,5º	70º	70º	70,5º	70,5º	70,5º
9 - Seat Angle	73º	73º	73º	74º	74º	74º
10 - Standover	786	803	821	813	833	885
11 - Reach	349	386	398	400	418	433
12 - Stack	606	618	627	614	623	637
13 - Fork Length	490	490	490	475	475	475

HEIGHT (CM)	HEIGHT (IN)	SIZE
150-160	59-63	S – 27.5”
165-180	65-71	M – 27.5”
177-200	70-79	L – 27.5”
165-175	65-69	M – 28”
175-185	69-73	L – 28”
185-208	73-82	XL – 28”

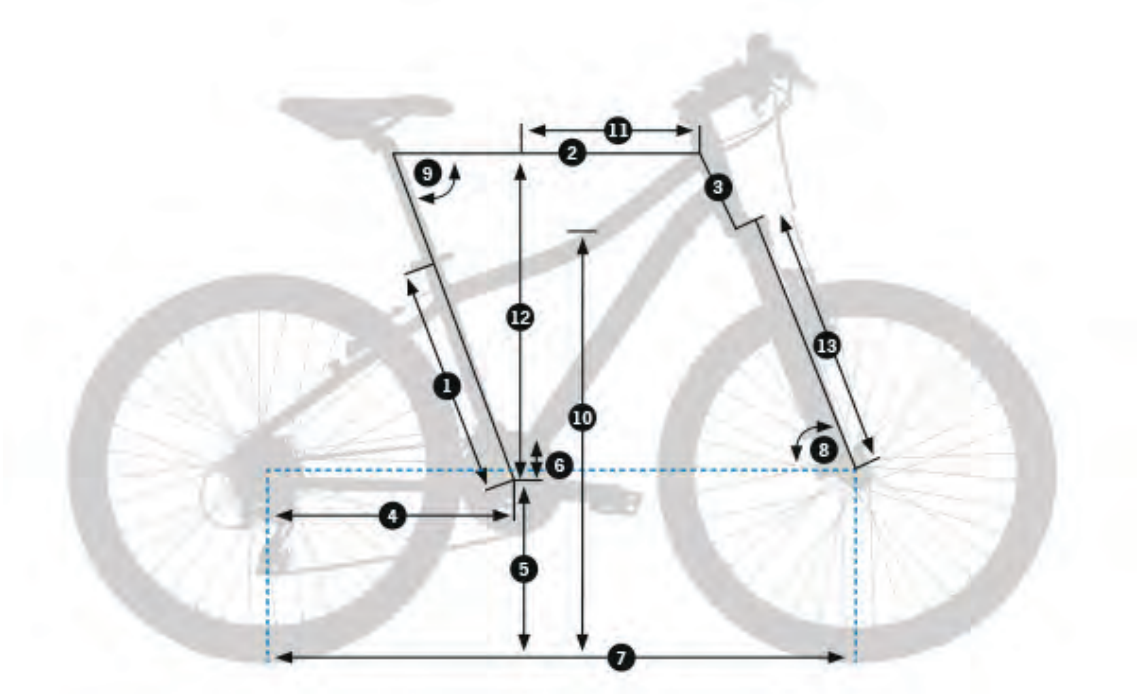


GEO CHARTS

COMFORT ENTRANCE EQ

SIZES	S – 27.5”	M – 27.5”	L – 27.5”	M – 28”	L – 28”	XL – 28”
1 - Seat Tube (C-T)	402	430	460	430	465	500
2 - Top Tube (EFF)	529	561	580	562	582	602
3 - Head Tube	135	150	160	140	150	165
4 - Chainstay	440	440	440	450	450	450
5 - BB Height	296	296	296	303	303	303
6 - BB Drop	50	50	50	65	65	65
7 - Wheelbase	1035	1062	1082	1064	1085	1105
8 - Head Angle	69,5º	70º	70º	70,5º	70,5º	70,5º
9 - Seat Angle	73º	73º	73º	74º	74º	74º
10 - Standover	737	749	772	759	782	805
11 - Reach	339	366	382	380	398	413
12 - Stack	620	637	646	633	642	656
13 - Fork Length	490	490	490	475	475	475

HEIGHT (CM)	HEIGHT (IN)	SIZE
150-160	59-63	S – 27.5”
165-180	65-71	M – 27.5”
177-200	70-79	L – 27.5”
165-175	65-69	M – 28”
175-185	69-73	L – 28”
185-208	73-82	XL – 28”



ALL USE COMFORT



COMFORT 10

Code	F412

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR M3030 75MM V-BRAKE QR
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 52
Brakes	SHIMANO T4000 V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z8
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG200 12-32T 8-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 20

Code	F411

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 51
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG20 12-32T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 30

Code	F410

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	PIONEER PROWHEEL 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ALU
Shifters	SHIMANO M310
Brake levers	ORBEA TREKKING ALU
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Quick stand	CENTRAL ALLOY

ALL US COMFORT



COMFORT 10 ENT

Code	F415

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR M3030 75MM V-BRAKE QR
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 52
Brakes	SHIMANO T4000 V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z8
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG200 12-32T 8-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 20 ENT

Code	F414

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 51
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG20 12-32T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 30 ENT

Code	F413

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	PIONEER PROWHEEL 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ALU
Shifters	SHIMANO M310
Brake levers	ORBEA TREKKING ALU
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Quick stand	CENTRAL ALLOY

ALL US COMFORT



COMFORT 10 OPEN

Code	F418

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR M3030 75MM V-BRAKE QR
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 52
Brakes	SHIMANO T4000 V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z8
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG200 12-32T 8-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 20 OPEN

Code	F417

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 51
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG20 12-32T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 30 OPEN

Code	F416

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	PIONEER PROWHEEL 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ALU
Shifters	SHIMANO M310
Brake levers	ORBEA TREKKING ALU
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 10 EQ

Code	F421

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR NEX 4110
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 52
Brakes	SHIMANO T4000 V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z8
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG200 12-32T 8-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	ORBEA BLACK
Front light	MICRO FF AUTO
Rear light	BASTA RIFF
Dynamo	SHIMANO 3N31 DYNAMO
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 20 EQ

Code	F420

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 51
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG20 12-32T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	ORBEA BLACK
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 30 EQ

Code	F419

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	PIONEER PROWHEEL 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ALU
Shifters	SHIMANO M310
Brake levers	ORBEA TREKKING ALU
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	ORBEA BLACK
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 10 ENT EQ

Code	F424

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR NEX 4110
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 52
Brakes	SHIMANO T4000 V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z8
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG200 12-32T 8-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	ORBEA BLACK
Front light	MICRO FF AUTO
Rear light	BASTA RIFF
Dynamo	SHIMANO 3N31 DYNAMO
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 20 ENT EQ

Code	F423

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 51
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG20 12-32T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	ORBEA BLACK
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 30 ENT EQ

Code	F422

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	PIONEER PROWHEEL 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ALU
Shifters	SHIMANO M310
Brake levers	ORBEA TREKKING ALU
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	ORBEA BLACK
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 10 OPEN EQ

Code	F427

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR NEX 4110
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 52
Brakes	SHIMANO T4000 V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z8
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG200 12-32T 8-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	ORBEA BLACK
Front light	MICRO FF AUTO
Rear light	BASTA RIFF
Dynamo	SHIMANO 3N31 DYNAMO
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 20 OPEN EQ

Code	F426

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	SHIMANO M131 28X38X48T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO STEF 51
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Front Derailleur	SHIMANO TX51 31.8MM
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG20 12-32T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	ORBEA BLACK
Quick stand	CENTRAL ALLOY

ALL USE COMFORT



COMFORT 30 OPEN EQ

Code	F425

Black (Satin)
QA

Grey-Orange (Satin)
QB

Blue-Red (Satin)
QD

Size	Crank	Stem	Handlebar
S	170	150	640
M	170	150	640
L	170	150	640
XL	170	150	640

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	PIONEER PROWHEEL 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 640MM
Stem	ORBEA ALU
Shifters	SHIMANO M310
Brake levers	ORBEA TREKKING ALU
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA K935 1,65"
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	ORBEA BLACK
Quick stand	CENTRAL ALLOY



URBAN

I´M NEVER ALONE.

- KATU
- URBAN
- CARPE
- DUDE
- RUDE
- FOLDING





SMARTEST SOLUTION FOR SMART REALITY.

Cities have changed and will continue to change at an accelerated pace. The focus for Katu was to make the safest and easiest to use platform for “non-bikers”, and the most reliable product in terms of service from the concept to every detail and component. Ergonomically well done and versatile (“one size fits all”, not “all fit one size”), Katu offers eBike advantages today for the real world.

01/ A KATU FOR EVERYONE

02 / ENVIRONMENTALLY FRIENDLY

03/ A SOLID, 100% RELIABLE BICYCLE.

04/ I’LL TAKE IT ALL WITH ME

05/ URBAN ESSENCE









A KATU FOR EVERYONE

All riders: From 9- to 99-years old and “one size fits all”. Katu’s geometry molds itself to the ergonomics of each user.

A UNIVERSAL PRODUCT RANGE
There’s everything from basic Katus for users who want to get started with a Katu for occasional use, to Katus equipped with the most advanced electric assist system on the market.

ADJUSTABLE SYSTEM
Katu has an adjustable system capable of ergonomically adapting to any type of user. From 9- to 99-years old, one size fits all. Both the head tube and the seat tube have adjustable height. The saddle can be moved slightly forward and backwards. The handlebar has an articulated attachment system that enables it to have many different positions.

MY STYLE, MY KATU.
8 colors and a whole lot of fun.

ENVIRONMENTALLY-FRIENDLY

During the creative process, Katu’s designer kept in mind for each decision the advantages of making a sustainable product that is respectful in its industrial process and harmonious in its functional environment. A harmonious coexistence with pedestrians in both active and passive use. From the shape of the tubes (made with minimum industrial process construction standards), its manufacture at Orbea headquarters in Europe (permitting flexible production that makes it possible to offer a high degree of customization, with different options and eight colors), to the size of its wheels, which are especially sensitive to public and private spaces, and an especially durable chassis. ... It’s a true manifesto of the quest for functional beauty from the perspective of simplicity... Because even beauty has its function when we’re talking about sustainability.

A SOLID, 100% RELIABLE BICYCLE.

Far from a folding bike, Katu has the attitude of a big bike, but even more solid. We decided to focus on the Katu ProFloat, with a solid (non-folding) frame, because while folding bikes are very useful for “soft” or sporadic use, we know that for professional or long-term use, folding parts are not stable or solid enough. For anyone other than a domestic user, folding the bike does not make sense.

CHASSIS
Made from aluminum. Lightweight, durable, designed to offer multi-size ergonomics, it provides a solid-feeling ride and easy access for any user.

I’LL TAKE IT ALL WITH ME

The transport system of the Katu is one of its special features. The basket in the front has a cargo capacity for up to 15 kg and extraordinary volume. But if you get carried away and want to carry even more things, you can add another identical basket on the rear.

FRONT BASKET
The basket is attached directly to the frame. Connected this way, the basket can support a weight of as much as 15 kg. In the case of only one basket, the front option is preferable.

REAR BASKET
This is an optional basket that is attached to the bicycle chassis by very solid metal bars. This basket can support a weight of as much as 15 kg.

KATU CARGO SYSTEM
Katu includes an intelligent cargo system, with a basket attached directly to the frame so that the weight of the contents does not affect handlebar movement or turning, and users can ride naturally. It is possible to transport a much larger volume than with a traditional system, which allows the basket to support weights of as much as 15 kg.



URBAN ESSENCE



COMFORTABLE SADDLE
The seats chosen prioritize comfort and the suspension seatpost isolates us from uneven terrain.

REFLECTING
The reflective band on the tire is one of the simple, yet important parts of a bicycle, as it provides greater visibility for the cyclist when there is no natural light.

FRAME-LOCK
The anti-theft rear wheel immobilizer makes it possible to make brief stops to buy flowers with greater piece of mind.



HANDLEBAR AND STEM
These components are key to providing comfort and adaptability for different sizes.

FORK
Optional suspension for a smoother ride.

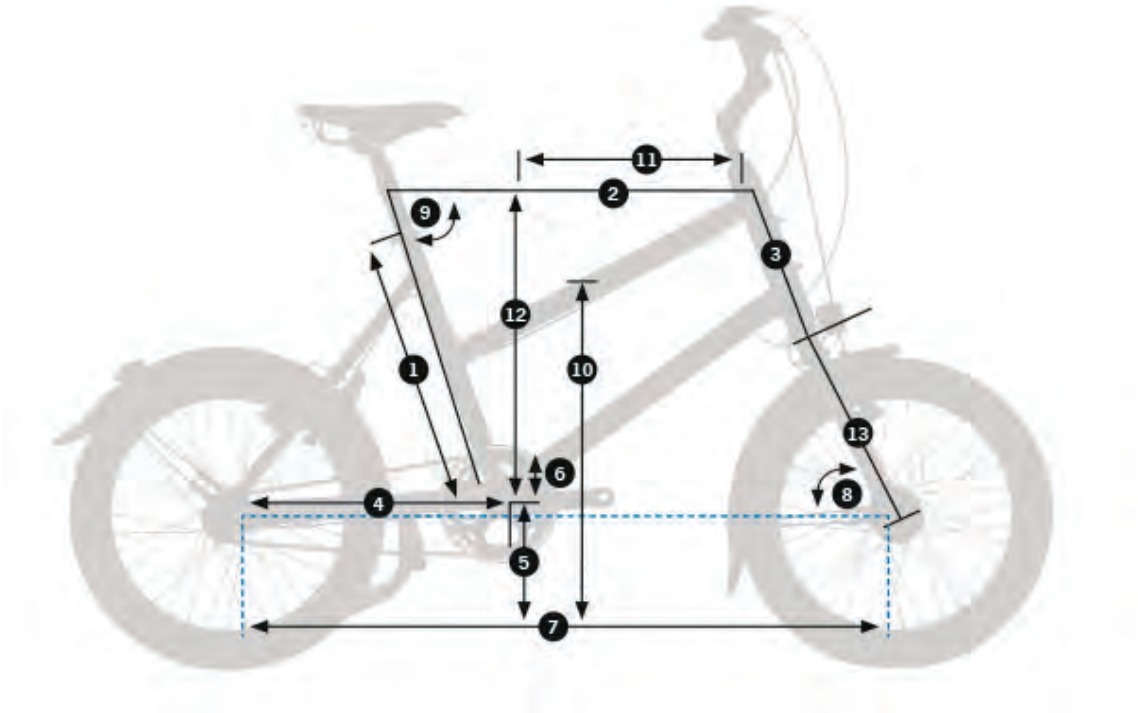
LIGHTS
Powered by a hefty dynamo and directly from the battery in the electric version, the lighting system of the Katu is without a doubt one of the necessary luxuries.

KICKSTAND
Central kickstand to maintain stability with total safety, even when the basket is loaded with pineapples, tropical bananas and wild coconuts.

GEO CHARTS

KATU

SIZES	U
1 - Seat Tube (C-T)	458
2 - Top Tube (EFF)	576
3 - Head Tube	250
4 - Chainstay	437
5 - BB Height	276
6 - BB Drop	26
7 - Wheelbase	1082
8 - Head Angle	68,7º
9 - Seat Angle	71,3º
10 - Standover	650
11 - Reach	402
12 - Stack	523
13 - Fork Length	350



katu
big solution



KATU 10

Code	F402

Magnetic Black (Satin)
T1

Supergreen (Satin)
T2

Bone White (Satin)
T3

FRESH GREEN (Satin)
T4

NORDIC BLUE (Satin)
T5

ETHERIC SILVER (Satin)
T6

BORDEAUX (Satin)
T7

ALMOST RED (Satin)
T8

Size	Crank	Stem	Handlebar
20	170	150	620

Frame	KATU 20"
Fork	KATU 20"
Crankset	PROWHEEL PIONEER 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 620MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO SL-3S42E NEXUS 3-SPEED
Brake levers	SHIMANO ALIVIO BL-T4010
Brakes	SHIMANO T4000 V-BRAKE
Chain	KMC SINGLE-SPEED
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO NEXUS 18T 3-SPEED
Tyres	KENDA 841 20X2.25 REFLEX
Pedals	VP-560 BLACK
Seatpost	ORBEA 31.6X360MM W/SUSPENSION
Saddle	BROOKS B68
Front basket	ALUMINIUM
	WITHOUT BASKET
Mudguard	SKS 20"
Front light	SPANNINGA KENDO 15 LUX
Rear light	SPANNINGA PIXEO
Dynamo	SHIMANO 3N31 DYNAMO
Lock	AXA SOLID PLUS
Quick stand	CENTRAL ALLOY DOUBLE
OPRTION	
REAR CARRIER	ORBEA CARRIER

katu
big solution



KATU 20

Code	F401

Magnetic Black (Satin) T1	Supergreen (Satin) T2
Bone White (Satin) T3	FRESH GREEN (Satin) T4
NORDIC BLUE (Satin) T5	ETHERIC SILVER (Satin) T6
BORDEAUX (Satin) T7	ALMOST RED (Satin) T8

Size	Crank	Stem	Handlebar
20	170	150	620

Frame	KATU 20"
Fork	KATU 20"
Crankset	PROWHEEL PIONEER 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 620MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO SL-3S42E NEXUS 3-SPEED
Brake levers	ORBEA TREKKING ALU
Brakes	ORBEA V-BRAKE
Chain	KMC SINGLE-SPEED
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO NEXUS 18T 3-SPEED
Tyres	KENDA 841 20X2.25 REFLEX
Pedals	VP-560 BLACK
Seatpost	ORBEA 31.6X360MM W/SUSPENSION
Saddle	SELLE ROYAL WAVE OFF-ROAD
	BROOKS B68
Mudguard	SKS 20"
Front light	SPANNINGA KENDO 15 LUX
Rear light	SPANNINGA PIXEO
Dynamo	SHIMANO 3N31 DYNAMO
Quick stand	CENTRAL ALLOY DOUBLE
OPRTION	
FRONT BASKET	ORBEA ALUMINIUM
REAR CARRIER	ORBEA CARRIER
LOCK	BASTA SOLID PLUS

katu
big solution



KATU 30

Code	F400

Magnetic Black (Satin) T1

Supergreen (Satin) T2

Bone White (Satin) T3

FRESH GREEN (Satin) T4

NORDIC BLUE (Satin) T5

ETHERIC SILVER (Satin) T6

BORDEAUX (Satin) T7

ALMOST RED (Satin) T8

Size	Crank	Stem	Handlebar
20	170	150	620

Frame	KATU 20"
Fork	KATU 20"
Crankset	PROWHEEL PRO-648PP-2 42T(170)
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 620MM
Stem	ORBEA ALU
Shifters	SHIMANO SL-RS36-7R TOURNEY
Brake levers	ORBEA TREKKING ALU
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO HG20 12-32T 7-SPEED
Tyres	KENDA 841 20X2.25 REFLEX
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
	ORBEA 31.6X360MM W/SUSPENSION
Saddle	SELLE ROYAL WAVE OFF-ROAD
	BROOKS B68
Quick stand	CENTRAL ALLOY
OPRTION	
FRONT BASKET	ORBEA ALUMINIUM
REAR CARRIER	ORBEA CARRIER
MUDGUARD	JOSS SPANNINGA KENDO(FRONT)/PIXEO(REAR)+SKS 20"
LOCK	BASTA SOLID PLUS

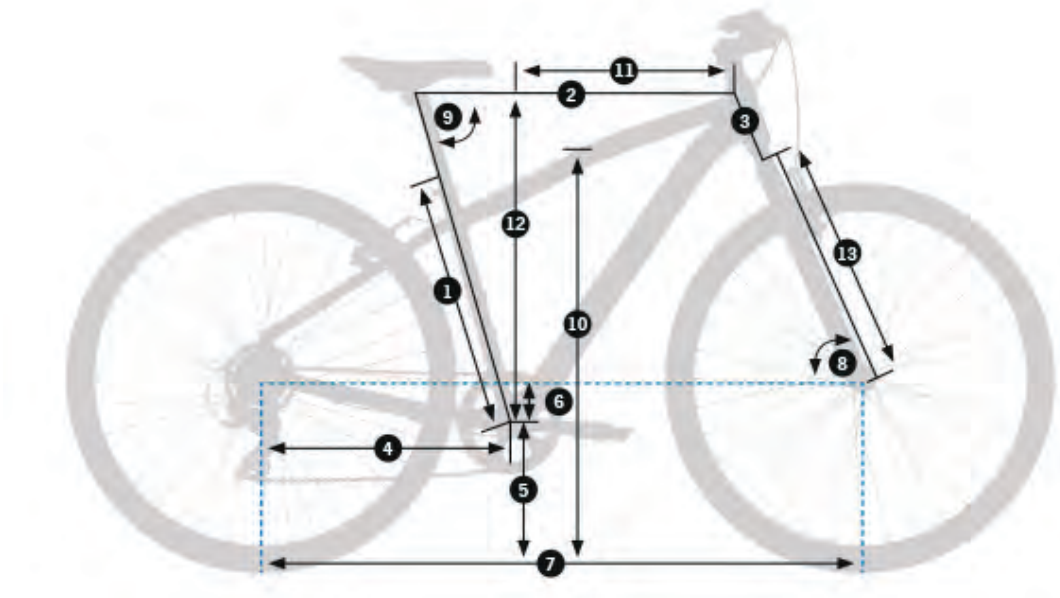

urbap
A GREAT WAY
TO SEE YOUR CITY.

GEO CHARTS

URBAN

SIZES	M	L	XL
1 - Seat Tube (C-T)	430	465	500
2 - Top Tube (EFF)	576	597	616
3 - Head Tube	120	130	145
4 - Chainstay	450	450	450
5 - BB Height	303	303	303
6 - BB Drop	65	65	65
7 - Wheelbase	1077	1099	1119
8 - Head Angle	70,5º	70,5º	70,5º
9 - Seat Angle	74º	74º	74º
10 - Standover	813	833	885
11 - Reach	400	418	433
12 - Stack	614	623	637
13 - Fork Length	475	475	475

HEIGHT (CM)	HEIGHT (IN)	SIZE
168-175	66-69	M
175-185	69-73	L
185-205	73-81	XL





URBAN 10

Code	F429

Black (Satin)
Q8

Yellow (Satin)
Q9

Size	Crank	Stem	Handlebar
M	170	70	540
L	170	70	540
XL	170	70	540

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	PIONEER PROWHEEL 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 540MM
Stem	ORBEA OC-II
Shifters	SHIMANO M310
Brake levers	ORBEA
Brakes	TEKTRO MONOBLOCK MECHANICAL DISC
Rear Derailleur	SHIMANO TX35
Chain	KMC Z50
Wheels	ORBEA ALUMINUM DW
Cassette	SHIMANO HG20 12-32T 7-SPEED
Tyres	KENDA K193 700X35
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO VL-1221



URBAN 20

Code	F428

Black (Satin)
Q8

Yellow (Satin)
Q9

Size	Crank	Stem	Handlebar
M	170	60	540
L	170	60	540
XL	170	60	540

Frame	ORBEA ALUMINUM. EASY RIDE GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN CROSS
Crankset	PIONEER PROWHEEL 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA RISER 540MM
Stem	ORBEA ALU
Shifters	SHIMANO M310
Brake levers	ORBEA
Brakes	ORBEA V-BRAKE
Rear Derailleur	SHIMANO TX35
Chain	KMC Z50
Wheels	ORBEA SCORPION DW
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA K193 700X35
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO VL-1221

carpe

EXPLORE YOUR CITY IN STYLE.

You have a style, and you know what fits. Combine it in a certain way with the Carpe 10. It's a lightweight, versatile, and comfortable bike for around town. It's no slouch when it comes to performance either. With Shimano XT 10-speed parts and Formula hydraulic disc brakes, you'll have the luxury of supreme shifting performance and the security of serious stopping power in high traffic situations. This is the bike that gives you the freedom you've been waiting for. Throw a leg over and enjoy.

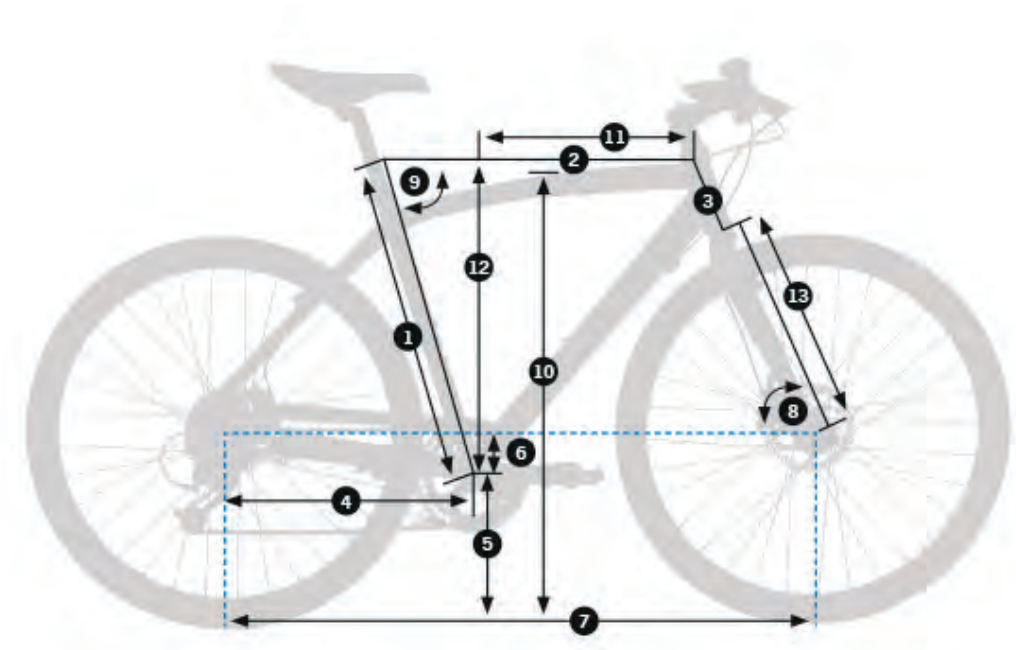


GEO CHARTS

CARPE

SIZES	S	M	L	XL
1 - Seat Tube (C-T)	430	480	520	560
2 - Top Tube (EFF)	535	550	590	610
3 - Head Tube	105	130	150	180
4 - Chainstay	435	435	435	435
5 - BB Height	278	278	278	278
6 - BB Drop	70	70	70	70
7 - Wheelbase	1023	1031	1062	1072
8 - Head Angle	70º	71º	71,5º	72º
9 - Seat Angle	74º	74º	73,5º	73º
10 - Standover	737	775	805	839
11 - Reach	386	394	422	428
12 - Stack	518	545	566	596
13 - Fork Length	387	387	387	387

HEIGHT (CM)	HEIGHT (IN)	SIZE
<160	<63	S
165-180	65-71	M
178-190	70-75	L
185-198	73-78	XL



carpe



CARPE 10

Code	F432

Black (Satin-Gloss)
FA

Green-Red (Satin-Gloss)
FB

Brown-Yellow (Satin-Gloss)
FD

Grey-Garnet (Satin-Gloss)
FG

Size	Crank	Stem	Handlebar
S	170	70	560
M	170	70	560
L	170	70	560
XL	170	70	560

Frame	ORBEA CARPE
Fork	ORBEA ALU URBAN
Crankset	PROWHEEL PIONEER 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 560MM
Stem	ORBEA OC-II
Shifters	SHIMANO XT M780
Brakes	SHIMANO SLX M675 HYDRAULIC DISC
Rear Derailleur	SHIMANO XT M781 SHADOW
Chain	KMC X10
Wheels	ORBEA ALUMINIUM DW
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	VITTORIA RANDONEUR 700X32
Pedals	VP-69N BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO VL-1221

carpe



CARPE 20

Code	F431

Black (Satin-Gloss)
FA

Green-Red (Satin-Gloss)
FB

Brown-Yellow (Satin-Gloss)
FD

Grey-Garnet (Satin-Gloss)
FG

Size	Crank	Stem	Handlebar
S	170	70	560
M	170	70	560
L	170	70	560
XL	170	70	560

Frame	ORBEA CARPE
Fork	ORBEA ALU URBAN
Crankset	PROWHEEL PIONEER 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 560MM
Stem	ORBEA OC-II
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ACERA M3000
Chain	SHIMANO HG53
Wheels	ORBEA ALUMINIUM DW
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	VITTORIA RANDONEUR 700X32
Pedals	VP-69N BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO VL-1221

carpe



CARPE 30

Code	F430

Black (Satin-Gloss)
FA

Green-Red (Satin-Gloss)
FB

Brown-Yellow (Satin-Gloss)
FD

Grey-Garnet (Satin-Gloss)
FG

Size	Crank	Stem	Handlebar
S	170	70	560
M	170	70	560
L	170	70	560
XL	170	70	560

Frame	ORBEA CARPE
Fork	ORBEA HI-TEN URBAN
Crankset	PIONEER PROWHEEL 42T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 560MM
Stem	ORBEA OC-II
Shifters	SHIMANO M310
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ALTUS M310
Chain	KMC Z8
Wheels	ORBEA ALUMINIUM DW
Cassette	SHIMANO HG200 12-32T 8-SPEED
Tyres	KENDA K193 700X35
Pedals	VP-69N BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO VL-1221



RIDE IT LIKE YOU STOLE IT.

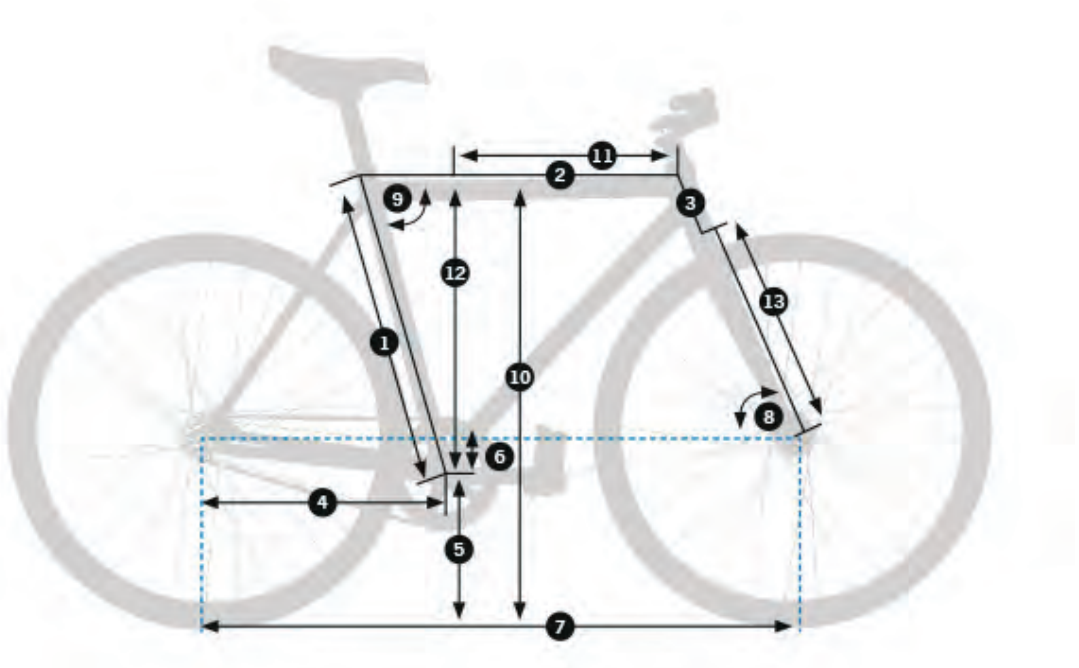
Dude is simple. Its boldness lies in the brazen color combinations and absence of mechanical complication. With a single fixed cog on the rear wheel, Dude relies on your pedal input for each and every stimulus. Want to go fast? Pedal fast. Want to slow down? Your resistance against the pedals is the only hope. This is where it all began. We build the Dude with a hydroformed aluminum frame to handle abusive city streets. And with its Orbea Lifetime Warranty, Dude will be your partner forever.

GEO CHARTS

DUDE

SIZES	49	52	55	58
1 - Seat Tube (C-T)	493	523	550	580
2 - Top Tube (EFF)	530	540	555	575
3 - Head Tube	92	120	145	170
4 - Chainstay	400	400	400	400
5 - BB Height				
6 - BB Drop				
7 - Wheelbase	992	996	1004	1017
8 - Head Angle	71º	71,5º	72,1º	72,5º
9 - Seat Angle	76º	75,5º	75º	74,5º
10 - Standover				
11 - Reach				
12 - Stack				
13 - Fork Length	372	372	372	372

HEIGHT (CM)	HEIGHT (IN)	SIZE
<165	<65	49
165-172	65-68	52
172-180	68-71	55
>180	>71	58





DUDE 10

Code	F434

Black (Satin)
K1

White (Gloss)
K2

Size	Crank	Stem	Handlebar
49	170	70	450
52	170	70	450
55	170	70	450
58	170	70	450

Frame	ORBEA DUDE
Fork	AVANT CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	ADVANCED 46T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA RISER ALU 450MM
Stem	ORBEA BLACK
Brake levers	TEKTRO XL-751
Brakes	ORBEA OC-II
Chain	KMC HL-710
Wheels	ORBEA ALUMINIUM DW
Cassette	MICHE PRIMATO 18T
Tyres	VITTORIA RUBINO 700X23 60TPI
Pedals	VP-365
Seatpost	ORBEA OC-II 31.6X400MM
Saddle	SELLE CONCOR VINTAGE



DUDE 20

Code	F433

White-Red (Gloss)
K7

Black-Anthracite (Satin-Gloss)
K8

Size	Crank	Stem	Handlebar
49	170	70	450
52	170	70	450
55	170	70	450
58	170	70	450

Frame	ORBEA DUDE
Fork	AVANT CARBON FORK, ALUMINUM STEERER, 1-1/8" HEAD TUBE.
Crankset	PIONEER PROWHEEL SOLID 46T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA RISER ALU 450MM
Stem	ORBEA BLACK
Brake levers	TEKTRO XL-751
Brakes	ORBEA OC-II
Chain	KMC HL-710
Wheels	ORBEA ALUMINIUM DW
Cassette	ORBEA 18T FIXED
Tyres	VITTORIA ZAFIRO 700X23
Pedals	VP-365
Seatpost	ORBEA OC-I 31.6X400MM
Saddle	SELLE CONCOR VINTAGE

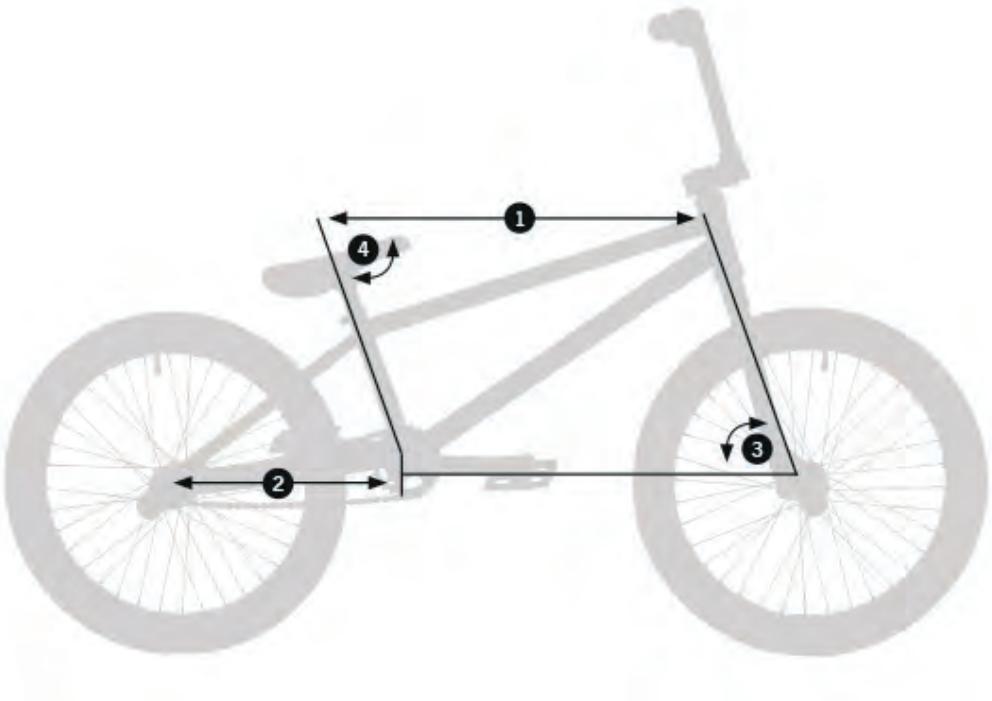

RUDE
THE STREETS,
MY KINGDOM.
Watch Viki Gomez, and you'll see what this BMX bike is all about. His flatland is one part magic and one part ingrained technique, and the Rude is like each of Viki's rides – unique. And that's the beauty of it and the balance of its design. The Rude is the result of the idea that one bike could be built for flatland, street, and park riding. Viki sketched it, and we built it. It comes ready for action no matter which discipline you prefer - the Rude comes with four footpegs for flatland action, and they can be easily removed for street or ramps. Now your imagination is the only limit.

GEO CHARTS

RUDE

SIZES	S	M	L
1 - Seat Tube (C-T)			
2 - Top Tube (EFF)	497,84	527,05	533,4
3 - Head Tube			
4 - Chainstay	322,58	335,28	335,28
5 - BB Height			
6 - BB Drop			
7 - Wheelbase			
8 - Head Angle	75º	75º	75º
9 - Seat Angle	78,1º	77,9º	77,9º
10 - Standover			
11 - Reach			
12 - Stack			
13 - Fork Length			

HEIGHT (CM)	HEIGHT (IN)	SIZE
<165	<65	S
165-175	65-69	M
>175	>69	L





RUDE 10

Code	F016

Black (Satin)
M2

Frame	VIKI'S LEGACY FRAME 100% JAPANESE CRMO
Fork	1 PC STEERER, 100% CRMO
CW	RUDE PRO 25T FREESTYLER ALLOY CNC
Headset	30X41.8 INTEGRATED
Handlebar	VIKI'S LEGACY BAR 100% CRMO
Stem	RUDE PRO FRONT-LOAD
Chain	KMC 410H FREESTYLE
Driver	9T
Tyres	KENDA KONTACT 2.25
Post	PIVOTAL
Seat	RUDE SOFTY MID-PADDED
Pedals	NYLON CK745
Cranks	3 PCS SLIM PRO HEAT-TREATED CRMO
BB	MID-BB SEALED 68MM
Grips	VELO MIX KRATON
Front hub	QUANTA 3/8" HOLLOWTEC SEALED
Rear hub	QUANTA HOLLOWTEC SEALED
Rims	BX32 DOUBLE-WALL FREESTYLE
Clamp	INTEGRATED
Pegs	4X BLACK ALLOY 110MM



RUDE 20

Code	F015

Raw (Gloss)
M1

Frame	VIKI'S LEGACY FRAME 100% JAPANESE CRMO
Fork	2 PC CRMO STEERER, HI.TEN BLADES
CW	25T ALLOY CNC BLUE
Headset	30X41.8 INTEGRATED
Handlebar	VIKI'S LEGACY BAR HI-TEN
Stem	PROMAX SOLID FRONT-LOAD
Chain	KMC 410H FREESTYLE
Driver	9T
Tyres	KENDA KOVERT 2.0
Post	PIVOTAL
Seat	RUDE NAKED
Pedals	NYLON CK745 ICY
Cranks	3 PCS CRMO
BB	MID-BB SEALED 68MM
Grips	VELO MIX KRATON
Front hub	RIMNETE 3/82 LOOSE-BALL
Rear hub	RIMNETE 105 SEALED
Rims	BX32 DOUBLE-WALL FREESTYLE
Clamp	INTEGRATED
Pegs	4X BLACK ALLOY 105MM

FOLDING

REDUCE THE SIZE OF YOUR LOAD.

Travel with a bike can be tricky enough because of cumbersome travel cases and busy airports. Even worse are the extra charges and baggage restrictions. Reduce the size of your load, and make your next bicycling vacation easier with the Orbea Folding A10. It has a lightweight, yet sturdy aluminum frame and fork, and it is designed to fold in half along the center of the frame to significantly reduce its packaged size.



FOLDING



FOLDING A10

Code	F018

Frame	ALLOY FOLDING 20"
Fork	ALLOY 20"
Crankset	ALLOY 170MM
Direction	25,4*34*30*9
Handlebar	W540 STEEL
Stem	STEEL FOLDING
Shifters	SHIMANO 6SPD
Brake levers	SHIMANO 6SPD
Brakes	ALLOY V BRAKE
Rear derailleur	SHIMANO 6SPD
Chain	6 SPEED
Rear cogs	14-28T 6SPEED
Tyres	20"X1,75" BK A/V"
Seat post	500MM ALLOY
Saddle	BK COVER BLANCO SIDE
Pedals	9/16" AXLE P.P RIGHT FOLDING

FOLDING



FOLDING A20

Code	F019

Frame	ALLOY FOLDING 20"
Fork	ALLOY 20"
Crankset	ALLOY 170MM
Direction	25,4*34*30*9
Handlebar	W540 STEEL
Stem	STEEL FOLDING
Shifters	SHIMANO 6SPD
Brake levers	SHIMANO 6SPD
Brakes	ALLOY V BRAKE
Rear derailleur	SHIMANO 6SPD
Chain	6 SPEED
Rear cogs	14-28T 6SPEED
Tyres	20"X1,75" BK A/V"
Seat post	500MM ALLOY
Saddle	BK COVER BLANCO SIDE
Pedals	9/16" AXLE P.P RIGHT FOLDING

FOLDING



FOLDING F10

Code	F017

Frame	ALLOY FOLDING 20"
Fork	ALLOY 20"
Crankset	ALLOY 170MM
Direction	25,4*34*30*9
Handlebar	W540 STEEL
Stem	STEEL FOLDING
Shifters	SHIMANO 6SPD
Brake levers	SHIMANO 6SPD
Brakes	ALLOY V BRAKE
Rear derailleur	SHIMANO 6SPD
Chain	6 SPEED
Rear cogs	14-28T 6SPEED
Tyres	20"X1,75" BK A/V"
Seat post	500MM ALLOY
Saddle	BK COVER BLANCO SIDE
Pedals	9/16" AXLE P.P RIGHT FOLDING


ORBEA
POWERBIKES
KATU
OPTIMA
KERAM





BICYCLES FOR A NEW PARADIGM.

The emergence of the new pedal-assist bikes a few years ago was undoubtedly one of the most important steps taken by the sector. At Orbea, we've wanted to work towards discovering the true sense of each product category, with the drive to innovate beyond the opportunity that it given to us by simply being in the e-bike segment. On the following pages, we will provide a brief overview of some of the key points of each platform.

ORBEA
POWERBIKES


KERAM
FUN,
FUNCTIONALITY,
STYLE!
ORBEA
FOX
This is one of the broadest and most adaptable platforms in the sector. The KERAM is a product range intended for the vast majority of riders in this market. It has solutions for mountain biking 2.0 for recreational use, more versatile solutions for its combined use on asphalt and trails, and a more purely urban-sports version.
Among KERAM's features is a geometry designed for pedaling in a more comfortable and safer position than on traditional-style bikes. This is possible thanks primarily to the motor that will do part of the work of pedaling. To design an e-bike well, it is important to start with its features. KERAM is also an extremely easy product to ride, thanks to the agility of its steeply sloping frame and steering angle (among other factors) that make riding especially stable and safe.
1/ FUN UNDER CONTROL
2/ NO LIMITS ON ANY TERRAIN
3/ VERSATILITY














KLEVAM

FUN
UNDER CONTROL



SLOPING EQUALS AGILITY AND EASE OF USE
A sharply sloping frame is trait we inherited from the MX line, which this year has expanded into other products in the range, such as Keram, that provide maneuverability and ease of use.



GREATER SAFETY AND CONTROL
In terms of ergonomics, the riding position is designed to prioritize control and a more upright position (which is healthier and more comfortable). Since these are assisted bicycles, there is less effort on the pedals and the position is not so focused on pedaling efficiency. Three sizes are enough for an electrically-assisted product, since having an optimal position for performance is no longer a priority.



THREADED ANCHORS
Two standard anchors on the top and bottom of the top tube come standard for carrying both a water bottle and other items that are attached to them (lock systems, toolholders, cameras, etc.).



NO LIMITS ON ANY TERRAIN

STRENGTH AND POWER
The solution of making tubes with edges (a polyhedral shape) provides better performance in terms of the durability, rigidity and strength of the entire frame. The feeling on the bike is that it is more “compact” and solid.

The essence of Keram’s electric assist system lies in its Bosch motor, which is rugged, reliable and ready for the mountain. It is located on the center part of the bike, right on the bottom bracket, and reaches speeds of up to 25 km/h.



A VERY DISTINCTIVE DOWN TUBE

The down tube design is one of the key points that has been defined after analyzing user needs. The battery needed to be incorporated into the design in a way that was esthetically pleasing, but at the same time compatible with both systems (Shimano and Bosch). It was given a characteristic feature on the “nose” of the tube, one of the hallmarks of the Keram, Wild and Wild FS platforms.

The down tube has a specific cable guide on the bottom, which ensures that they are well-protected and gives the product cleaner lines.

The location of the battery on the down tube gives us a lower, better balanced center of gravity than on bicycles of this type that carry the battery on the rear part of the frame.

VERSATILITY

Keram is a flexible platform with specific models for very different uses. The Keram MTB model, designed especially for quasi-specialized leisure “mountain-bike” use, is complemented by two other models intended for two specific uses: the Keram All-Use, which is more comfortable and versatile, is more suitable for daily use in the city and for exploring the city limits, dirt trails, etc.; and the Keram Asphalt, which is designed for more cosmopolitan cyclists who want a pure city bike, one that is comfortable, but has a sporty feel.

OPTIONAL EQUIPMENT
The fenders and rack kit, along with the position of the battery on the down tube (and not on the rack), allows us to offer it without fenders and with or without a rack. Kickstand: Better static balance when parking, since the center of gravity is near the vertical plane of the point of support. Kickstand, motor and battery designed together to provide a noticeable advantage in terms of the points for improvement on electric bicycles.

”SUSPENSION SEATPOST”
In the case of All Use.

OPTIONAL FRAME LOCK
The Frame-lock is a very interesting solution. If you immobilize the bike for a quick stop, and keeping a reasonably close eye on it, you have the security and ease of use that are new in our range, and especially interesting in the electric family, in which, for once, the extra weight of an electric bicycle is a point in its favor.

TYRES
“Mixed” in the case of All Use and “City” in the case of Asphalt.

KICKSTAND

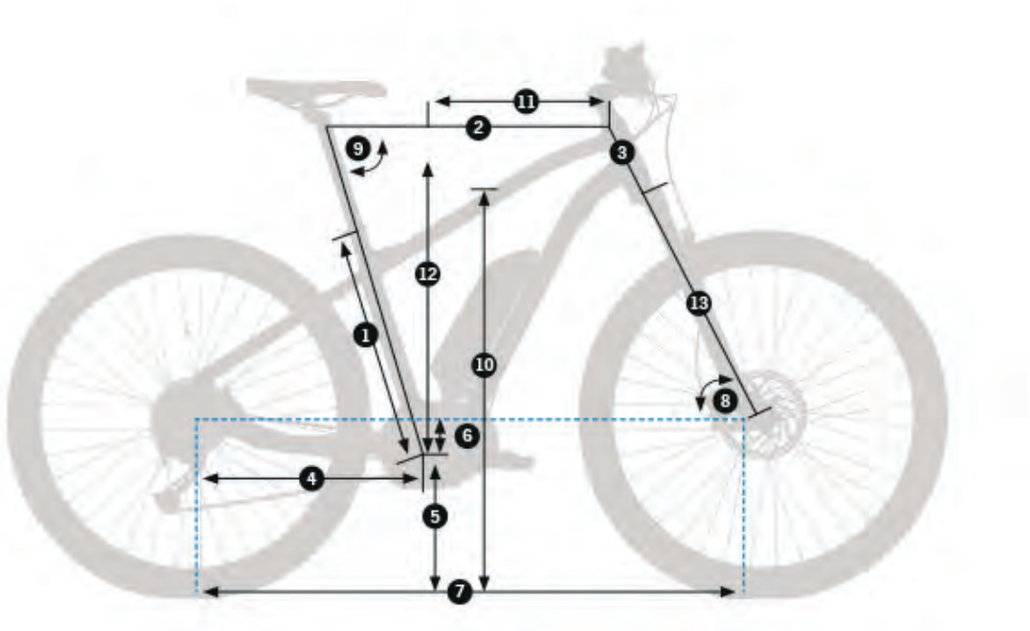

HANDLEBARS
“18º” in the case of All Use and “Ergonomic” in the case of Asphalt (on Asphalt models, the grips are also ergonomic).
SADDLE
“Comfort” in the case of All Use.
”PURE CITY RIGID FORK”
in the case of Asphalt.
LIGHTS
Optional lighting systems linked to the bike’s own electricity sources.

GEO CHARTS

KERAM

SIZES	S	M	L
1 - Seat Tube (C-T)	BOSCH 321,5 - SHIMANO 325	BOSCH 353,5 - SHIMANO 360	BOSCH 433,5 - SHIMANO 440
2 - Top Tube (EFF)	550	570	605
3 - Head Tube	130	130	150
4 - Chainstay	481	481	481
5 - BB Height	298	305	305
6 - BB Drop	52.5	63	63
7 - Wheelbase	1102	1133	1170
8 - Head Angle	69º	68º	68º
9 - Seat Angle	73º	73º	73º
10 - Standover	792	822	855
11 - Reach	360	374	403
12 - Stack	616	637	656
13 - Fork Length	490	508	658

HEIGHT (CM)	HEIGHT (IN)	SIZE
155-170	61-67	S
165-185	65-73	M
>180	>71	L



KERAM



KERAM ASPHALT 10

Code	F307

Black (Satin-Gloss)
W5

Silver (Satin)
W6

Copper (Satin)
W7

Size	Crank	Stem	Handlebar
S	170	90	660
M	170	90	660
L	170	90	660

Frame	ORBEA KERAM
Fork	ORBEA KERAM URBAN ALU TAPPERED
Crankset	ALLOY 18T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA COMFORT RISER ALU 660MM
Stem	ORBEA OC-II
Shifters	SHIMANO ACERA M3000
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ACERA M3000
Chain	SHIMANO HG53
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	KENDA 1052 29X2.0
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
Saddle	VELO 1353
Chainguard	HORN CATENA 14 ES
Lock	AXA FRAME LOCK + DOWN TUBE LOCK
Quick stand	YUEN I YRA-60B
Motor	BOSCH ACTIVE LINE 25 KM/H
Battery	BOSCH ACTIVE LINE 400WH
Display	BOSCH ACTIVE INTUVIA
Option equipped	
Rear Carrier	Orbea Carrier
Mudguard	SKS 28"
Front light	Joss Spanninga Kendo Steps
Rear light	Spanninga Lineo

KERAM



KERAM ASPHALT 30

Code	F318

Black (Satin-Gloss)
W5

Silver (Satin)
W6

Copper (Satin)
W7

Size	Crank	Stem	Handlebar
20	170	70	660
22	170	70	660

Frame	ORBEA KERAM
Fork	ORBEA KERAM URBAN ALU TAPPERED
Crankset	STEPS 44T W/CG
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA COMFORT RISER ALU 660MM
Stem	ORBEA OC-II
Shifters	SHIMANO ACERA M3000
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ACERA M3000
Chain	SHIMANO HG53
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	KENDA 1052 29X2.0
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
Saddle	VELO 1353
Lock	BASTA SOLID PLUS+SHIMANO STEPS TUBE
Quick stand	YUEN I YRA-60B
Motor	SHIMANO MOTOR DU-E6001
Battery	SHIMANO BATTERY STEPS
Display	SHIMANO STEPS SC-E6000
Option equipped	
Rear Carrier	Orbea Carrier
Mudguard	SKS 28"
Front light	Joss Spanninga Kendo Steps
Rear light	Spanninga Lineo

KERAM



KERAM COMFORT 10

Code	F306

Black (Satin-Gloss)
W5

Silver (Satin)
W6

Copper (Satin)
W7

Size	Crank	Stem	Handlebar
S	170	90	660
M	170	90	660
L	170	90	660

Frame	ORBEA KERAM
Fork	SR SUNTOUR M3030 75MM DISC QR
Crankset	ALLOY 18T
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA COMFORT RISER ALU 660MM
Stem	ORBEA BLACK ADJUSTABLE
Shifters	SHIMANO ACERA M3000
	SHIMANO ALFINE 8
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ACERA M3000
Chain	SHIMANO HG53
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	KENDA 935 700X50
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	SKS 28"
Front light	SPANNINGA KENDO 15 LUX
Rear light	SPANNINGA LINEO
Chainguard	HORN CATENA 14 ES
Lock	AXA FRAME LOCK + DOWN TUBE LOCK
Quick stand	YUEN I YRA-60B
Motor	BOSCH ACTIVE LINE 25 KM/H
Battery	BOSCH ACTIVE LINE 400WH
Display	BOSCH ACTIVE INTUVIA

KERAM



KERAM COMFORT 30

Code	F317

Black (Satin-Gloss)
W5

Silver (Satin)
W6

Copper (Satin)
W7

Size	Crank	Stem	Handlebar
20	170	90	660
22	170	90	660

Frame	ORBEA KERAM
Fork	SR SUNTOUR M3030 75MM DISC QR
Crankset	STEPS 44T W/CG
Headset	FSA 1-1/8 - 1-1/2" INTEGRATED
Handlebar	ORBEA COMFORT RISER ALU 660MM
Stem	ORBEA BLACK ADJUSTABLE
Shifters	SHIMANO ACERA M3000
	SHIMANO ALFINE 8
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ACERA M3000
Chain	SHIMANO HG53
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	KENDA 935 700X50
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
Saddle	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	SKS 28"
Front light	JOSS SPANNINGA KENDO STEPS
Rear light	SPANNINGA LINEO
Lock	BASTA SOLID PLUS+SHIMANO STEPS TUBE
Quick stand	YUEN I YRA-60B
Motor	SHIMANO MOTOR DU-E6001
Battery	SHIMANO BATTERY STEPS
Display	SHIMANO STEPS SC-E6000

KERAM



KERAM MTB 20

Code	F312,F311

Black (Satin-Gloss)
W1

Blue-Black (Satin)
W2

Green-Black (Satin)
W3

Orange-Black (Gloss)
W4

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	740
M – 29”	170	70	740
L – 29”	170	70	740

Frame	ORBEA KERAM
Fork	ROCKSHOX RECON SILVER TK 100 AIR QR
Crankset	ALLOY 15T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	ORBEA OC-I RISER 740MM
Stem	ORBEA OC-II
Shifters	SHIMANO DEORE M591
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO DEORE M593 SHADOW
Chain	KMC X10
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	KENDA K922 2.10”
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
Saddle	VELO 1353
Chainguard	MIRANDA
Lock	AXA BATTERY DOWN TUBE LOCK
Motor	BOSCH ACTIVE LINE 25 KM/H
Battery	BOSCH ACTIVE LINE 400WH
Display	BOSCH ACTIVE INTUVIA
OPRTION	
QUICK STAND	YUEN I YRA-60B

KERAM



KERAM MTB 30

Code	F305,F304

Black (Satin-Gloss)
W1

Blue-Black (Satin)
W2

Green-Black (Satin)
W3

Orange-Black (Gloss)
W4

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	740
M – 29”	170	70	740
L – 29”	170	70	740

Frame	ORBEA KERAM
Fork	SR SUNTOUR XCR LO-R COIL 100MM QR
Crankset	ALLOY 15T
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	ORBEA OC-I RISER 740MM
Stem	ORBEA OC-II
Shifters	SHIMANO ACERA M3000
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ACERA M3000
Chain	SHIMANO HG53
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	KENDA K922 2.10”
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
Saddle	VELO 1353
Chainguard	MIRANDA
Lock	AXA BATTERY DOWN TUBE LOCK
Motor	BOSCH ACTIVE LINE 25 KM/H
Battery	BOSCH ACTIVE LINE 400WH
Display	BOSCH ACTIVE INTUVIA
OPRTION	
QUICK STAND	YUEN I YRA-60B
REAR CARRIER	ORBEA CARRIER

KERAM



KERAM MTB 50

Code	F316,F315

Black (Satin-Gloss)
W1

Blue-Black (Satin)
W2

Green-Black (Satin)
W3

Orange-Black (Gloss)
W4

Size	Crank	Stem	Handlebar
S – 27.5”	170	70	740
M – 29”	170	70	740
L – 29”	170	70	740

Frame	ORBEA KERAM
Fork	SR SUNTOUR XCR LO-R COIL 100MM QR
Crankset	STEPS 44T W/CG
Headset	FSA 1-1/8 - 1-1/2” INTEGRATED
Handlebar	ORBEA OC-I RISER 740MM
Stem	ORBEA OC-II
Shifters	SHIMANO DEORE M591
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO DEORE M593 SHADOW
Chain	KMC X10
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG50 11-36T 10-SPEED
Tyres	KENDA K922 2.10”
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
Saddle	VELO 1353
Lock	SHIMANO STEPS TUBE
Motor	SHIMANO MOTOR DU-E6001
Battery	SHIMANO BATTERY STEPS
Display	SHIMANO STEPS SC-E6000
OPRTION	
QUICK STAND	YUEN I YRA-60B
REAR CARRIER	ORBEA CARRIER



THE ELECTRIC SOLUTION OPTIMIZED.

Optima is apparently a “normal” bike, but both the architecture of the object and the ergonomics of the new Optima are innovative. It’s a bicycle that has been intended for use as an electric bike from the start of the conceptual design phase, which means reworking the product to the point that its architecture changes.

1/ COMFORT AND SAFETY

2 / ACCESSIBILITY, BALANCE AND MANEUVERABILITY

3/ URBAN ESSENCE











COMFORT AND SAFETY

20 MM GO A LONG WAYS
COMFORT AND SAFETY
Since this is a bicycle with pedal-assist, we don't need to provide the same torque with our legs.

This lets us use 20-mm shorter cranks, which gives us more natural peddling (requiring you to bend the knees much less, since the pedal comes up 40 mm less in each pedaling cycle). This aspect also affect the safety in motion.

A NEW CENTER OF GRAVITY
By placing the motor 20 mm lower, it also gives us a noticeably lower center of gravity, since we have lowered two of the three points with the greatest weight on an electric bicycle (the motor and the rider) by 20 mm. The third point with the greatest weight is the battery, which is lowered by around 100 mm from its normal position on the rack, and is prominently centered on the bike.

CLOSER TO THE GROUND
GREATER PASSIVE COMFORT
Reducing the length of the cranks also allows the cyclist to be 20 mm closer to the ground when sitting on the bike while stationary, making it easier to reach the ground with your feet and keep your balance. This makes it much easier to use, and increases the overall safety and comfort while cycling.


BOSCH



ACCESSIBILITY, BALANCE AND MANEUVERABILITY

OVERALL CLEANER LINES
In terms of dynamic behavior, its center of gravity is more centered and farther away from the wheel axles, making the assembly more agile, since the battery is less affected by the vibrations from each axle. This is something you'll notice in both the vibrations caused by slight irregularities in the terrain and going up and down larger or smaller steps, both passively and in motion.

The static balance is better when parking the bicycle, since the center of gravity is closer to the vertical plane of the point of support, and both are reasonably centered on the bike. Having thought of a joint kickstand, motor and battery architecture gives us a noticeable advantage in terms of one of the most commonly mentioned "points for improvement" on electrical bicycles.

Maneuverability when stopped is also one of the key points in which a well-positioned center of gravity enables us to handle the object much more lightly.

LOCATION OF THE BATTERY: ONE OF OPTIMA'S KEY POINTS
Provides better accessibility to the bicycle (correctly adapting the geometry to this factor, which is important).

A and B are relatively similar on a functional level. They are better that model C, but very demanding in the accessibility department.

URBAN ESSENCE

A NEW HANDLEBAR IN THE ORBEA CATALOGUE (18º)
The handlebar with 18º of setback provides ergonomics in motion that allow for a more natural arm position (elbows more closed, a straighter back, etc.) and along with ergonomic grips, offers a riding position focused especially on ergonomics.

ELECTRIC LIGHT!
Lighting systems linked to the bicycle's own electricity sources are a new standard in quality and functional stability that allow you to see the significant step forward electric bicycles have made towards a new cycling reality that considers even the smallest detail.

It is one of the main safety features, along with the reflective bands mounted on the Tyres in the Asphalt versions.

2 SIZES
Given that ergonomics on an electric bicycle have less to do with pedaling efficiency (we make less effort), it is possible to adapt the sizes to a larger range. Two sizes are enough to cover a wide range of users, which is also made possible by the adjustable tilt stems and the new ergonomics of the Optima line.



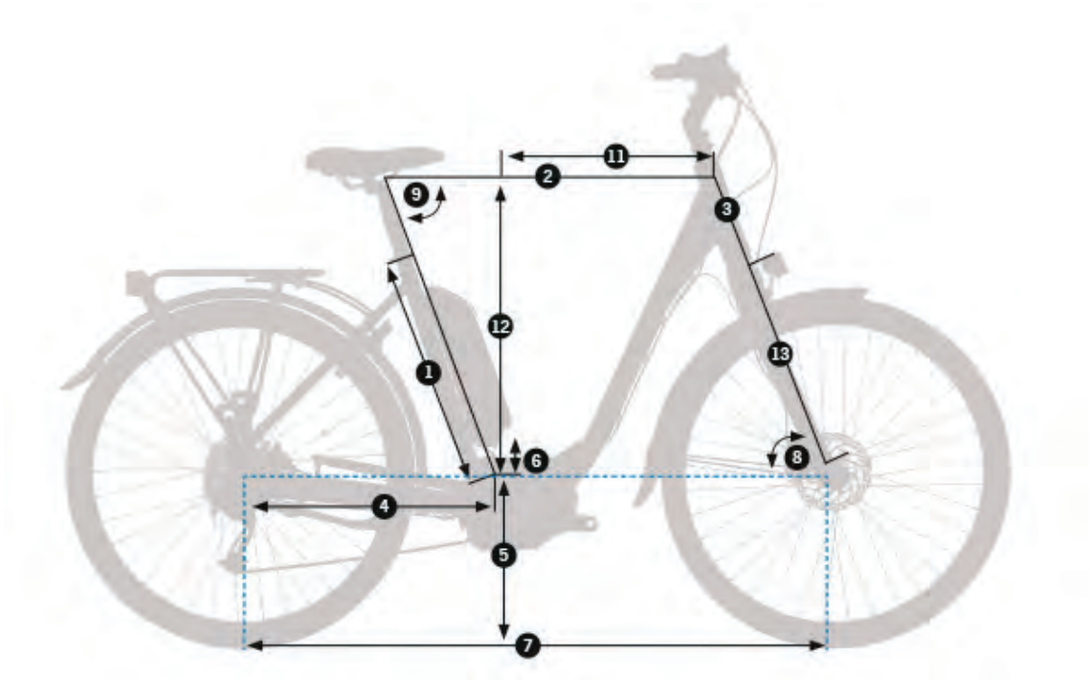
FRAME-LOCK
The Frame-lock is a very interesting solution. If you immobilize the bike to make a quick stop (to buy fruit at a market, pick up a newspaper, etc.), by keeping a reasonably close eye on it, you have the security and ease of use that are new in our range, and especially interesting in the electric family.

GEO CHARTS

OPTIMA

SIZES	S-M	L-XL
1 - Seat Tube (C-T)	410	457
2 - Top Tube (EFF)	593	621
3 - Head Tube	170	210
4 - Chainstay	398	398
5 - BB Height	262	262
6 - BB Drop	93	93
7 - Wheelbase	1172	1182
8 - Head Angle	67º	69º
9 - Seat Angle	74,4º	74,4º
10 - Standover		
11 - Reach	368	384
12 - Stack	659	706
13 - Fork Length	460	460

HEIGHT (CM)	HEIGHT (IN)	SIZE
160-182	63-71	S/M
>177	>70	L/XL



optima



OPTIMA COMFORT 10

Code	F308

Black (Satin)
X1

Silver (Satin)
X2

Copper (Satin)
X3

Size	Crank	Stem	Handlebar
17	170	90	660
19	170	90	660

Frame	ORBEA OPTIMA
Fork	ZOOM MONOSHOX CH106 DISC
Crankset	ALLOY 18T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA COMFORT RISER ALU 660MM
Stem	ORBEA BLACK ADJUSTABLE
Shifters	SHIMANO ACERA M3000
	SHIMANO ALFINE 8
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ACERA M3000
	SHIMANO NEXUS SG-3D55 18T 3-SPEED
Chain	SHIMANO HG53 9-SPEED
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	KENDA K935 1,65" REFLEX
Pedals	VP-560 BLACK
Seatpost	ORBEA 31.6X360MM W/SUSPENSION
Saddle	SELLE ROYAL FREEWAY CITY
	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	SKS 28"
Front light	SPANNINGA KENDO 15 LUX
Rear light	SPANNINGA LINEO
Chainguard	HORN CATENA 14 ES BOSCH LONG
Lock	AXA FRAME LOCK + DOWN TUBE LOCK
Quick stand	YUEN I YRA-60B
Motor	BOSCH ACTIVE LINE 25 KM/H
Battery	BOSCH ACTIVE LINE 400WH
Display	BOSCH ACTIVE INTUVIA

optima



OPTIMA COMFORT 30

Code	F313

Black (Satin)
X1

Silver (Satin)
X2

Copper (Satin)
X3

Size	Crank	Stem	Handlebar
17	170	90	660
19	170	90	660

Frame	ORBEA OPTIMA
Fork	ZOOM MONOSHOX CH106 DISC
Crankset	STEPS 44T W/CG
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA COMFORT RISER ALU 660MM
Stem	ORBEA BLACK ADJUSTABLE
Shifters	SHIMANO ACERA M3000
	SHIMANO ALFINE 8
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ACERA M3000
	SHIMANO NEXUS SG-3D55 18T 3-SPEED
Chain	SHIMANO HG53
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	KENDA K935 1,65" REFLEX
Pedals	VP-560 BLACK
Seatpost	ORBEA 31.6X360MM W/SUSPENSION
Saddle	SELLE ROYAL FREEWAY CITY
	SELLE ROYAL WAVE OFF-ROAD
Rear carrier	ORBEA CARRIER
Mudguard	SKS 28"
Front light	JOSS SPANNINGA KENDO STEPS
Rear light	SPANNINGA LINEO
Chainguard	HORN CATENA 14 ES STEPS LONG
Lock	BASTA SOLID PLUS+SHIMANO STEPS TUBE
Quick stand	YUEN I YRA-60B
Motor	SHIMANO MOTOR DU-E6001
Battery	SHIMANO BATTERY STEPS
Display	SHIMANO STEPS SC-E6000

optima



OPTIMA ASPHALT 10

Code	F309

Black (Satin)
X1

Silver (Satin)
X2

Copper (Satin)
X3

Size	Crank	Stem	Handlebar
17	170	90	660
19	170	90	660

Frame	ORBEA OPTIMA
Fork	ORBEA OPTIMA
Crankset	ALLOY 18T
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA COMFORT RISER ALU 660MM
Stem	ORBEA BLACK ADJUSTABLE
Shifters	SHIMANO SL-3S42E NEXUS 3-SPEED
Brakes	SHIMANO M355 HYDRAULIC DISC
Chain	KMC SINGLE-SPEED
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO NEXUS 18T 3-SPEED
Tyres	KENDA 1052 29X2.0
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
Saddle	VELO 3315
	SELLE ROYAL WAVE OFF-ROAD
	SELLE ROYAL FREEWAY CITY
Rear carrier	ORBEA CARRIER
Mudguard	SKS 28”
Front light	SPANNINGA KENDO 15 LUX
Rear light	SPANNINGA LINEO
Chainguard	HORN CATENA 14 ES BOSCH LONG
Lock	AXA FRAME LOCK + DOWN TUBE LOCK
Quick stand	YUEN I YRA-60B
Motor	BOSCH ACTIVE LINE 25 KM/H
Battery	BOSCH ACTIVE LINE 400WH
Display	BOSCH ACTIVE INTUVIA
OPRTION	
REAR DERAILLEUR	SHIMANO ACERA M3000 12-36T 9-SPEED

optima



OPTIMA ASPHALT 30

Code	F314

Black (Satin)
X1

Silver (Satin)
X2

Copper (Satin)
X3

Size	Crank	Stem	Handlebar
17	170	90	660
19	170	90	660

Frame	ORBEA OPTIMA
Fork	ORBEA OPTIMA
Crankset	STEPS 44T W/CG
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA COMFORT RISER ALU 660MM
Stem	ORBEA BLACK ADJUSTABLE
Shifters	SHIMANO SL-3S42E NEXUS 3-SPEED
Brakes	SHIMANO M355 HYDRAULIC DISC
Chain	KMC SINGLE-SPEED
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO NEXUS 18T 3-SPEED
Tyres	KENDA 1052 29X2.0
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
Saddle	VELO 3315
	SELLE ROYAL WAVE OFF-ROAD
	SELLE ROYAL FREEWAY CITY
Rear carrier	ORBEA CARRIER
Mudguard	SKS 28"
Front light	JOSS SPANNINGA KENDO STEPS
Rear light	SPANNINGA LINEO
Chainguard	HORN CATENA 14 ES STEPS LONG
Lock	BASTA SOLID PLUS+SHIMANO STEPS TUBE
Quick stand	YUEN I YRA-60B
Motor	SHIMANO MOTOR DU-E6001
Battery	SHIMANO BATTERY STEPS
Display	SHIMANO STEPS SC-E6000
OPRTION	
REAR DERAILLEUR	SHIMANO ACERA M3000 12-36T 9-SPEED



Katu

INTELLIGENT MOBILITY.

Katu is designed from a perspective that is sensitive to the times in which we live. It's not only a bicycle - it's manifesto with pedals of what it represents.

01/ A KATU FOR EVERYONE

02 / ENVIRONMENTALLY FRIENDLY

03/ A SOLID, 100% RELIABLE BICYCLE.

04/ I'LL TAKE IT ALL WITH ME

05/ URBAN ESSENCE




SUPERMERCAT







A KATU FOR EVERYONE

All riders: From 9- to 99-years old and “one size fits all”. Katu’s geometry molds itself to the ergonomics of each user.

A UNIVERSAL PRODUCT RANGE
There’s everything from basic Katus for users who want to get started with a Katu for occasional use, to Katus equipped with the most advanced electric assist system on the market.

ADJUSTABLE SYSTEM
Katu has an adjustable system capable of ergonomically adapting to any type of user. From 9- to 99-years old, one size fits all. Both the head tube and the seat tube have adjustable height. The saddle can be moved slightly forward and backwards. The handlebar has an articulated attachment system that enables it to have many different positions.

MY STYLE, MY KATU.
8 colors and a whole lot of fun.



ENVIRONMENTALLY FRIENDLY

During the creative process, Katu's designer kept in mind for each decision the advantages of making a sustainable product that is respectful in its industrial process and harmonious in its functional environment. A harmonious coexistence with pedestrians in both active and passive use. From the shape of the tubes (made with minimum industrial process construction standards), its manufacture at Orbea headquarters in Europe (permitting flexible production that makes it possible to offer a high degree of customization, with different options and eight colors), to the size of its wheels, which are especially sensitive to public and private spaces, and an especially durable chassis. ... It's a true manifesto of the quest for functional beauty from the perspective of simplicity... Because even beauty has its function when we're talking about sustainability.



A SOLID, 100% RELIABLE BICYCLE.

Far from a folding bike, Katu has the attitude of a big bike, but even more solid. We decided to focus on the Katu ProFloat, with a solid (non-folding) frame, because while folding bikes are very useful for “soft” or sporadic use, we know that for professional or long-term use, folding parts are not stable or solid enough. For anyone other than a domestic user, folding the bike does not make sense.

01. CHASSIS
Made from aluminum. Lightweight, durable, designed to offer multi-size ergonomics, it provides a solid-feeling ride and easy access for any user.

02. 20” WHEELS
The wheel, far from small, has the right size to optimize riding on the pavement of today’s cities.

03. BOSCH MOTOR
Its BOSCH Active motor provides smooth operation and ease of use, making it an optimal component.

04. BOSCH BATTERY
A Power Pack 400 KWh with autonomy that allows for much more than is normally needed in an urban bicycle.

Centered battery
By placing the battery between the axles, we make riding much more fluid and natural, since the trajectory of the battery weight is smoother and more gradual.





I'LL TAKE IT ALL WITH ME

The transport system of the Katu is one of its special features. The basket in the front has a cargo capacity for up to 15 kg and extraordinary volume. But if you get carried away and want to carry even more things, you can add another identical basket on the rear.

FRONT BASKET
The basket is attached directly to the frame. Connected this way, the basket can support a weight of as much as 15 kg. In the case of only one basket, the front option is preferable.

REAR BASKET
This is an optional basket that is attached to the bicycle chassis by very solid metal bars. This basket can support a weight of as much as 15 kg.

KATU CARGO SYSTEM
Katu includes an intelligent cargo system, with a basket attached directly to the frame so that the weight of the contents does not affect handlebar movement or turning, and users can ride naturally. It is possible to transport a much larger volume than with a traditional system, which allows the basket to support weights of as much as 15 kg.



URBAN ESSENCE



HANDLEBAR AND STEM
These components are key to providing comfort and adaptability for different sizes.

FORK
Optional suspension for a smoother ride.

LIGHTS
Powered by a hefty dynamo and directly from the battery in the electric version, the lighting system of the Katu is without a doubt one of the necessary luxuries.

REFLECTING
The reflective band on the tire is one of the simple, yet important parts of a bicycle, as it provides greater visibility for the cyclist when there is no natural light.



COMFORTABLE SADDLE
The seats chosen prioritize comfort and the suspension seatpost isolates us from uneven terrain.

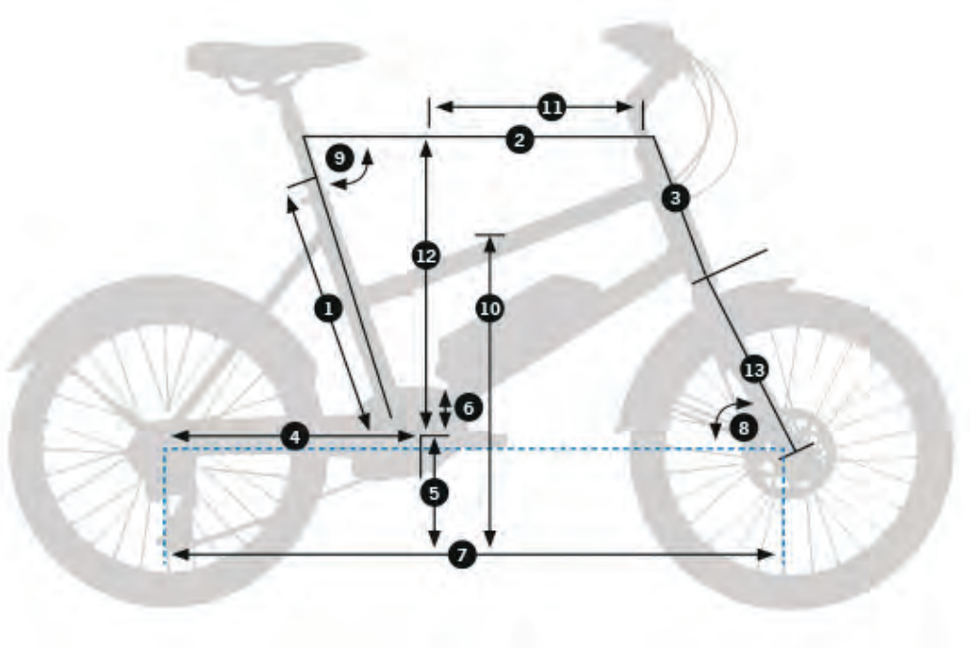
FRAME-LOCK
The anti-theft rear wheel immobilizer makes it possible to make brief stops to buy flowers with greater piece of mind.

KICKSTAND
Central kickstand to maintain stability with total safety, even when the basket is loaded with pineapples, tropical bananas and wild coconuts.

GEO CHARTS

KATU-E

SIZES	U
1 - Seat Tube (C-T)	468
2 - Top Tube (EFF)	575
3 - Head Tube	250
4 - Chainstay	440
5 - BB Height	268
6 - BB Drop	18
7 - Wheelbase	1096
8 - Head Angle	67,7º
9 - Seat Angle	70,3º
10 - Standover	655
11 - Reach	401
12 - Stack	531
13 - Fork Length	355



katu
big solution



KATU-E 10A

Code	F302

Magnetic Black (Satin) S1
Supergreen (Satin) S2
Bone White (Satin) S3
FRESH GREEN (Satin) S4
NORDIC BLUE (Satin) S5
ETHERIC SILVER (Satin) S6
BORDEAUX (Satin) S7
ALMOST RED (Satin) S8

Size	Crank	Stem	Handlebar
20	152	150	620

Frame	ORBEA KATU
Fork	ZOOM CH190
	KATU RIGID
Crankset	ALLOY 19T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 620MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO SL-3S42E NEXUS 3-SPEED
Brakes	SHIMANO M355 HYDRAULIC DISC
Chain	KMC SINGLE-SPEED
Wheels	ORBEA WEB DISC
Cassette	SHIMANO NEXUS 18T 3-SPEED
Tyres	KENDA 841 20X2.25 REFLEX
Pedals	VP-560 BLACK
Seatpost	ORBEA 31.6X360MM W/SUSPENSION
Saddle	BROOKS B68
Front basket	ALUMINIUM
	WITHOUT BASKET
Mudguard	SKS 20"
Rear light	SPANNINGA PIXEO
Chainguard	HORN CATENA 14 ES
Lock	AXA FRAME LOCK + DOWN TUBE LOCK
Quick stand	CENTRAL ALLOY DOUBLE
Motor	BOSCH ACTIVE LINE 25 KM/H
Battery	BOSCH ACTIVE LINE 400WH
Display	BOSCH ACTIVE INTUVIA
OPRTION	
REAR CARRIER	ORBEA CARRIER

katu
big solution



KATU-E 20A

Code	F301

Magnetic Black (Satin) S1	Supergreen (Satin) S2
Bone White (Satin) S3	FRESH GREEN (Satin) S4
NORDIC BLUE (Satin) S5	ETHERIC SILVER (Satin) S6
BORDEAUX (Satin) S7	ALMOST RED (Satin) S8

Size	Crank	Stem	Handlebar
20	152	150	620

Frame	ORBEA KATU
Fork	ORBEA KATU
	ZOOM CH190
Crankset	ALLOY 19T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 620MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO SL-3S42E NEXUS 3-SPEED
	SHIMANO ALFINE 8
Brakes	SHIMANO M355 HYDRAULIC DISC
Chain	KMC SINGLE-SPEED
Wheels	ORBEA WEB DISC
Cassette	SHIMANO NEXUS 18T 3-SPEED
Tyres	KENDA 841 20X2.25 REFLEX
Pedals	VP-560 BLACK
Seatpost	ORBEA 31.6X360MM W/SUSPENSION
Saddle	SELLE ROYAL WAVE OFF-ROAD
	BROOKS B68
Mudguard	SKS 20"
Front light	SPANNINGA KENDO 15 LUX
Rear light	SPANNINGA PIXEO
Chainguard	HORN CATENA 14 ES
Lock	AXA BATTERY DOWN TUBE LOCK
	BASTA SOLID PLUS+BOSCH II TUBE
Quick stand	CENTRAL ALLOY DOUBLE
Motor	BOSCH ACTIVE LINE 25 KM/H
Battery	BOSCH ACTIVE LINE 400WH
Display	BOSCH ACTIVE INTUVIA
OPRTION	
FRONT BASKET	ORBEA ALUMINIUM
REAR CARRIER	ORBEA CARRIER

katu
big solution



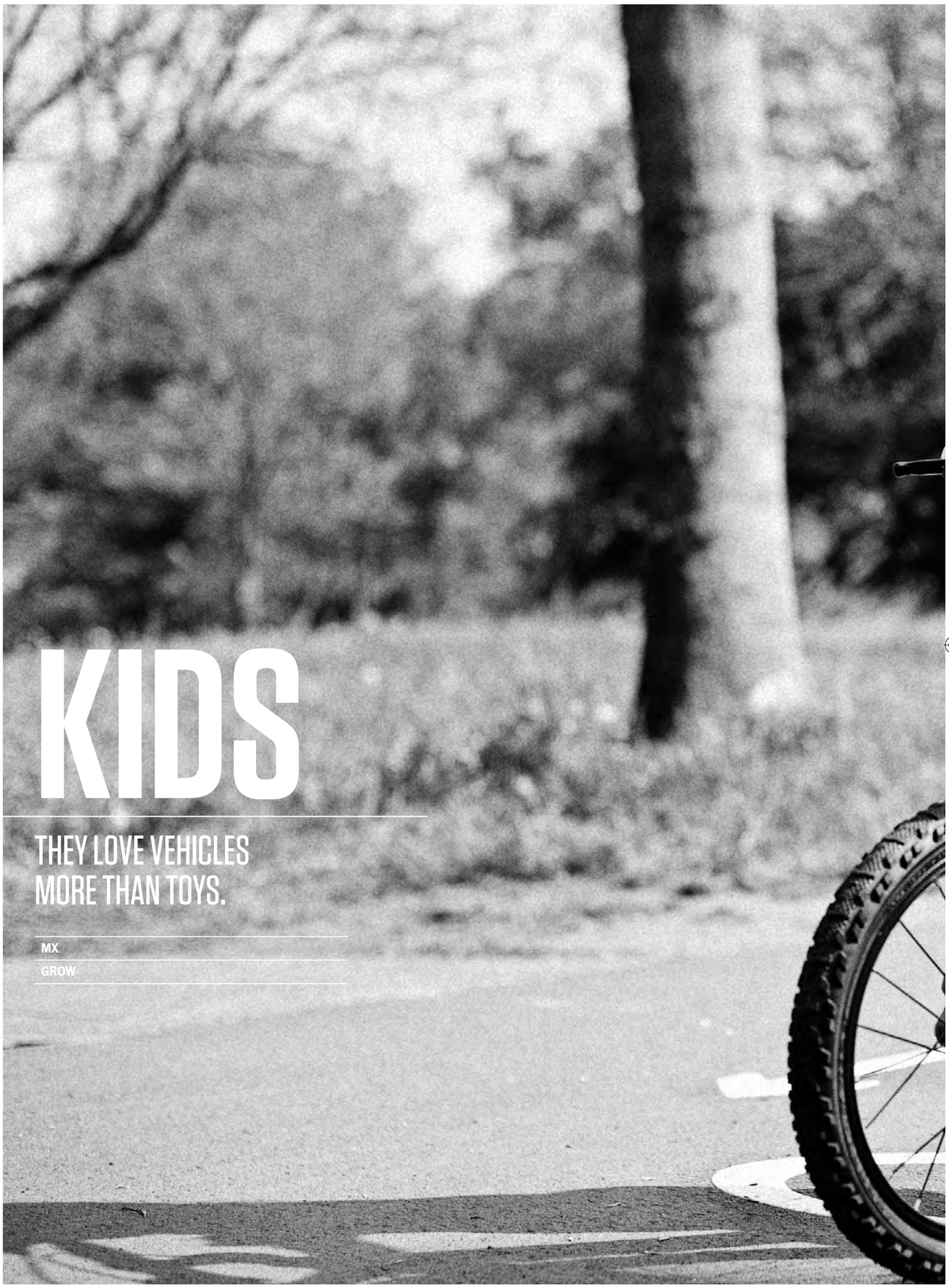
KATU-E 30A

Code	F300

Magnetic Black (Satin) S1
Supergreen (Satin) S2
Bone White (Satin) S3
FRESH GREEN (Satin) S4
NORDIC BLUE (Satin) S5
ETHERIC SILVER (Satin) S6
BORDEAUX (Satin) S7
ALMOST RED (Satin) S8

Size	Crank	Stem	Handlebar
20	152	150	620

Frame	ORBEA KATU
Fork	ORBEA KATU
	ZOOM CH190
Crankset	ALLOY 19T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA CITY RISER ALU 620MM
Stem	ORBEA ADJUSTABLE ALU
Shifters	SHIMANO SL-3S42E NEXUS 3-SPEED
	SHIMANO ALFINE 8
Brakes	SHIMANO M355 HYDRAULIC DISC
Chain	KMC SINGLE-SPEED
Wheels	ORBEA WEB DISC
Cassette	SHIMANO NEXUS 18T 3-SPEED
Tyres	KENDA 841 20X2.25 REFLEX
Pedals	VP-560 BLACK
Seatpost	ORBEA OC-I 31.6X400MM
	ORBEA 31.6X360MM W/SUSPENSION
Saddle	SELLE ROYAL WAVE OFF-ROAD
	BROOKS B68
Chainguard	HORN CATENA 14 ES
Lock	AXA BATTERY DOWN TUBE LOCK
	BASTA SOLID PLUS+BOSCH II TUBE
Quick stand	CENTRAL ALLOY DOUBLE
Motor	BOSCH ACTIVE LINE 25 KM/H
Battery	BOSCH ACTIVE LINE 400WH
Display	BOSCH ACTIVE INTUVIA
OPTION	
FRONT BASKET	ORBEA ALUMINIUM
REAR CARRIER	ORBEA CARRIER
MUDGUARD	JOSS SPANNINGA KENDO(FRONT)/PIXEO(REAR)+SKS 20"


KIDS
THEY LOVE VEHICLES
MORE THAN TOYS.
MX
GROW


MELON



THEY LOVE VEHICLES MORE THAN TOYS.

The new MX bikes are relutionary in terms of sporting ambition. They've been carefully designed, something that can be seen in each aluminum tube or component. The latter have been chosen for their capabilities, with heavy use in mind. Looking at young bikers riding their MXs on the mountains is really amazing. They are no longer kids on wheels; they become fully-fledged bikers. With the new MX, they look like kings and queens of the mountains, negotiating really tough off-road descents and riding easily across flat terrains. Now, when you go out with your children, you won't need to push them: just grab your own handlebar.

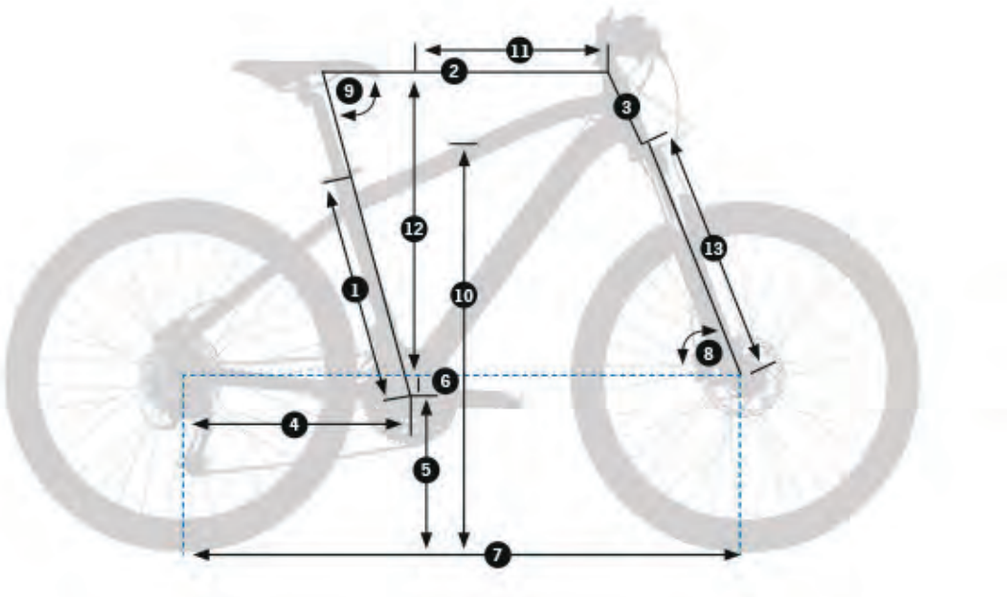
To be honest, when we started developing the MX, we didn't know where the limits were in bikes for children. We decided to work hard to find them but couldn't see them! In the process of this search, we found out how to make a relutionary bike. It was the new MX.

GEO CHARTS

MX KIDS

SIZES	16	20	24	26
1 - Seat Tube (C-T)	207	257	329	367
2 - Top Tube (EFF)	385,3	445	519	536
3 - Head Tube	90	95	90	90
4 - Chainstay	311	343	387	425
5 - BB Height	192	237	272	280
6 - BB Drop	8	16	30	45
7 - Wheelbase	744	630	939	1015
8 - Head Angle	71º	66º	66º	70º
9 - Seat Angle	73,2º	74º	72º	73º
10 - Standover	442	533	660	713
11 - Reach	288	320	353	371
12 - Stack	323	425	500	538
13 - Fork Length	255	345	420	450

HEIGHT (CM)	HEIGHT (IN)	SIZE	YEARS
100-115	39-45	16	3.5 – 5.5
115-135	45-53	20	5.5 – 7.5
135-155	53-61	24	7 – 9
>155	>61	26	>9





MX 16

Code	F005

Black-Funky (Satin)
N7

Size	Crank	Stem	Handlebar
16	102	50	460

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN 16”
Crankset	ALLOY 36T (102)
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA ALU RISER
Stem	ORBEA KID
Brake levers	ALU V-BRAKE
Brakes	ALU V-BRAKE
Chain	KMC SINGLE-SPEED
Wheels	ORBEA ALU 16”
Cassette	ORBEA 18T
Tyres	KENDA 879 16X1.75
Pedals	RESINE BMX
Seatpost	ORBEA KID
Saddle	VELO 5086

MX



MX 20 DIRT

Code	F006

Black-Funky (Satin)
N7

Red-White (Satin)
N8

Anthracite-Yellow (Satin)
N9

Size	Crank	Stem	Handlebar
20	127	60	540

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN 20”
Crankset	ALLOY 36T (127)
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA RISER 540MM
Stem	ORBEA ALU
Shifters	SHIMANO M310
Brake levers	ORBEA
Brakes	ALU V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Chain	KMC Z50
Wheels	ORBEA ALU 20”
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA 922 20X2.00
Pedals	RESINE BMX
Seatpost	ORBEA OC-I 27.2X250MM
Saddle	VELO 7087



MX 20 XC

Code	F007

Black-Funky (Satin)
N7

Red-White (Satin)
N8

Anthracite-Yellow (Satin)
N9

Size	Crank	Stem	Handlebar
20	127	70	540

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR M3010 40MM V-BRAKE QR
Crankset	ALLOY 36T (127)
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 540MM
Stem	ORBEA OC-II
Shifters	SHIMANO M310
Brake levers	ORBEA
Brakes	ALU V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Chain	KMC Z50
Wheels	ORBEA ALU 20"
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA 922 20X2.00
Pedals	RESINE BMX
Seatpost	ORBEA OC-I 27.2X250MM
Saddle	VELO 7087



MX 20 TEAM

Code	F008

Black-Funky (Satin)
N7

Red-White (Satin)
N8

Anthracite-Yellow (Satin)
N9

Size	Crank	Stem	Handlebar
20	127	70	540

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA ALU 20”
Crankset	ALLOY 34T (127)
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 540MM
Stem	ORBEA OC-II
Shifters	SHIMANO M310
Brake levers	ORBEA
Brakes	ALU V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Chain	KMC Z8
Wheels	ORBEA ALU 20”
Cassette	SHIMANO HG31 11-34T 8-SPEED
Tyres	KENDA 1047 20X1.75
Pedals	RESINE BMX
Seatpost	ORBEA OC-I 27.2X250MM
Saddle	VELO 7087

MX



MX 24 DIRT

Code	F009

Black-Funky (Satin)
N7

Red-White (Satin)
N8

Anthracite-Yellow (Satin)
N9

Size	Crank	Stem	Handlebar
24	152	60	540

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA HI-TEN 24”
Crankset	ALLOY 36T (152)
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA RISER 540MM
Stem	ORBEA ALU
Shifters	SHIMANO M310
Brake levers	ORBEA
Brakes	ALU V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Chain	KMC Z50
Wheels	ORBEA ALU 24”
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA 922 24X1.95
Pedals	RESINE BMX
Seatpost	ORBEA OC-I 27.2X300MM
Saddle	VELO 5061

MX



MX 24 XC

Code	F010

Black-Funky (Satin)
N7

Red-White (Satin)
N8

Anthracite-Yellow (Satin)
N9

Size	Crank	Stem	Handlebar
24	152	70	560

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR M3010 40MM V-BRAKE QR
Crankset	ALLOY 36T (152)
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 560MM
Stem	ORBEA OC-II
Shifters	SHIMANO M310
Brake levers	ORBEA
Brakes	ALU V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Chain	KMC Z8
Wheels	ORBEA ALU 24"
Cassette	SHIMANO HG31 11-34T 8-SPEED
Tyres	KENDA 922 24X1.95
Pedals	RESINE BMX
Seatpost	ORBEA OC-I 27.2X300MM
Saddle	VELO 5061



MX 24 TEAM

Code	F011

Black-Funky (Satin)
N7

Red-White (Satin)
N8

Anthracite-Yellow (Satin)
N9

Size	Crank	Stem	Handlebar
24	152	70	560

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	ORBEA ALU 24”
Crankset	ALLOY 32T (152)
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 560MM
Stem	ORBEA OC-II
Shifters	SHIMANO ACERA M3000
Brake levers	ORBEA
Brakes	ALU V-BRAKE
Rear Derailleur	SHIMANO ACERA M3000
Chain	SHIMANO HG53
Wheels	ORBEA ALU 24”
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	KENDA 1047 24X1.95
Pedals	RESINE BMX
Seatpost	ORBEA OC-I 27.2X300MM
Saddle	VELO 5061



MX 26 DIRT

Code	F012

White-Silver (Satin)
MA

Black-Blue (Satin)
MB

Anthracite-Red (Satin)
MD

Green-Black (Satin)
MF

Size	Crank	Stem	Handlebar
14	170	70	640

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR M3020 75MM DISC QR
Crankset	SHIMANO M131 24X34X42T
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 640MM
Stem	ORBEA OC-II
Shifters	SHIMANO M310
Brake levers	ORBEA
Brakes	TEKTRO MONOBLOCK MECHANICAL DISC
Rear Derailleur	SHIMANO TX35
Front Derailleur	SHIMANO ALTUS M313 31,8MM
Chain	KMC Z50
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG20 12-32T 7-SPEED
Tyres	KENDA K922 26X1.95”
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO 5061



MX 26 XC

Code	F013

White-Silver (Satin)
MA

Black-Blue (Satin)
MB

Anthracite-Red (Satin)
MD

Green-Black (Satin)
MF

Size	Crank	Stem	Handlebar
14	170	70	640

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	SR SUNTOUR M3020 75MM DISC QR
Crankset	SHIMANO M171 24X34X42T
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 640MM
Stem	ORBEA OC-II
Shifters	SHIMANO M310
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ALTUS M310
Front Derailleur	SHIMANO ALTUS M313 31,8MM
Chain	KMC Z8
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG31 11-34T 8-SPEED
Tyres	KENDA K922 26X1.95”
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO 5061



MX 26 TEAM

Code	F014

White-Silver (Satin)
MA

Black-Blue (Satin)
MB

Anthracite-Red (Satin)
MD

Green-Black (Satin)
MF

Size	Crank	Stem	Handlebar
14	170	70	640

Frame	ORBEA HEXATUBING ALUMINUM. MX COMPACT GEOMETRY. INTERNAL CABLE ROUTING
Fork	ROCKSHOX XC30 TK 100 QR
Crankset	PIONEER PROWHEEL 34T
Headset	1-1/8" SEMI-INTEGRATED
Handlebar	ORBEA OC-I RISER 640MM
Stem	ORBEA OC-II
Brakes	SHIMANO M355 HYDRAULIC DISC
Rear Derailleur	SHIMANO ACERA M3000
Chain	SHIMANO HG53
Wheels	ORBEA ALUMINUM DISC
Cassette	SHIMANO HG300 12-36T 9-SPEED
Tyres	KENDA K922 26X1.95"
Pedals	VP-536 BLACK
Seatpost	ORBEA OC-I 27.2X400MM
Saddle	VELO 5061



grow

THEY LOVE VEHICLES MORE THAN TOYS.

Sometimes, objects go further. This is the case with Grow. It is a bike, but it also means feeling free, getting a nice breeze on your face while riding your first bike, going out on your bicycle for the first time (genuine adventure trips), feeling independent on your first vehicle ever, and many other experiences and sensations produced by the object itself.

grow0



Grow 0 is the ideal machine to get the dynamic balance and the safety every child needs when learning to ride a bike.
In terms of design, thanks to the bike's ergonomic lines, the rider (up to five-year-olds) can lift their feet and keep the proper riding position.
The feel is compact and light, because the frame and the components are made in aluminum.
Although it's considered to be a useful vehicle for trips of 1km maximum, there have been records among our meticulous testers.

IT'S CHILDREN WHO TURN THE GROW 0 INTO A NEW, SPECIAL OBJECT THAT THEY CAN USE EVEN AFTER THEY LEARN TO RIDE A BIKE.

When they master it, they can find new features and go on having fun and learning new skills. The Grow 0 will continue to be their vehicle of choice on many occasions.

grow1



Sometimes, objects go further. This is the case with Grow.

IT'S A BIKE, BUT IT ALSO MEANS FEELING FREE, GETTING A NICE BREEZE ON YOUR FACE WHILE RIDING YOUR FIRST BIKE, GOING OUT ON YOUR BICYCLE FOR THE FIRST TIME (GENUINE ADVENTURE TRIPS), FEELING INDEPENDENT ON YOUR FIRST VEHICLE EVER...

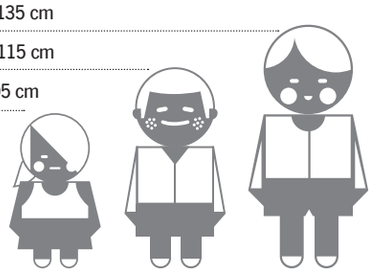
and many other experiences and sensations associated with the machine itself. Grow is a bike that we've designed bearing all these things in mind.

We've also considered the need for durable quality products that help protect the environment from an industrial and social perspective – a goal you can achieve through ideas, design and action.

grow2



grow2 **5-9 years** / 110 -135 cm
grow1 **3-5,5 years** / 95-115 cm
grow0 **2-4 years** / 85-105 cm



THE BIKE THAT GROWS WITH THEM

Grow is a bike that we have designed bearing all these things in mind and also considering the need for durable quality products that help improve the environment from an industrial and social perspective. To achieve this goal, we need ideas, designs, and actions.



grow0

Light weight and a good weight balance make the Grow 0 particularly fast when riders decide to turn back and return to the park at full speed. Lightness shows when the bike is carried by adults.

· Large tubes and a good clearance at the front prevent a bruise or two.
· Restricted turning system by Orbea prevents crashes.
· Quality aluminium components (special brakes, special grips, etc.) incorporate the best of ergonomics for little kids.

grow1 grow2

The OKS geometry of the GROW bikes makes our bikes really easy to ride because:

· The saddle moves down more than usual, which means more stability and accessibility. Kids can move off easily and stop comfortably and safely.
· The lower bottom bracket turns the bike into a much more stable machine when rolling, and the rider can sit in a position that makes the bicycle easier to start and pedalling much smoother.
· The shorter cranks allow for a smooth and stable use of the pedals, as riders do not need to bend their knees for a complete pedal cycle.
· The large, rounded tubes and a good clearance at the front prevent a bruise or two.
· The restricted turning system by Orbea prevents crashes.
· The quality aluminium components (special brakes, special grips, etc.) incorporate the best of ergonomics for little kids

SISTEMA GROW

These bikes grow along with their riders. A simple feature doubles the bike's average lifespan. This means:

· Better ergonomic adaptation than traditional bikes (now most kids ride smaller or bigger bikes than they need for a longer time).
· Lower cost for the buyer (you get a product with a much longer lifespan).
· Higher component quality (durable products must have quality parts).
· Lower environmental impact (it benefits all).
· The GROW frame is made in aluminium for a lighter bike and a quality reflected in the bike's solid and reliable feel.
The GROW design and components are legally protected.

SL WEIGHT.

The light weight of Orbea's products for little kids and youngsters deliver an amazing usability. Making bicycles for kids and youngsters lighter has very important effects. Why?

· Taking the bike and rider together, the former is proportionally larger when the user is a kid, and so it has a stronger influence on the kid's strength.
· Every kilogram a bike maker can subtract from a bike's total weight counts –the lighter the bike, the lower the proportion of its weight in the total. The proportion is even larger in a kid's bike.

If the bike weighs less, it can be handled more easily at a standstill, which is really important for kids to have a nicer experience.



grow



GROW 0

Code	F001

Black-Blue (Satin)
R0

Pink-Orange (Satin)
R1

Frame	ORBEA GROW 12”
Fork	ORBEA HI-TEN 12”
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA ALU RISER
Stem	ORBEA KID
Wheels	ORBEA ALU 12”
Tyres	KENDA 841 12-1/2*2-1/4
Seatpost	ORBEA KID
Saddle	VELO 5086

Size	Crank	Stem	Handlebar
12		70	400

grow



GROW 1

Code	F002

Pink-Purple (Satin)
R2

Red-Garnet (Satin)
R3

Yellow-Orange (Satin)
R4

Pistachio-Green (Satin)
R5

Size	Crank	Stem	Handlebar
16	102	50	460

Frame	ORBEA GROW 16”
Fork	ORBEA HI-TEN 16”
Crankset	ALLOY 36T (102)
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA ALU RISER
Stem	ORBEA KID
Brake levers	ALU V-BRAKE
Brakes	ALU V-BRAKE
Chain	KMC SINGLE-SPEED
Wheels	ORBEA ALU 16”
Cassette	ORBEA 18T
Tyres	KENDA 879 16X1.75
Pedals	RESINE BMX
Seatpost	ORBEA KID
Saddle	VELO 5086

grow



GROW 2 1V

Code	F003

Pink-Black (Satin)
R6

Red-Black (Satin)
R7

Orange-Black (Satin)
R8

Pistachio-Black (Gloss)
R9

Size	Crank	Stem	Handlebar
20	127	70	540

Frame	ORBEA GROW 20”
Fork	ORBEA HI-TEN 20”
Crankset	ALLOY 36T (127)
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA ALU RISER
Stem	ORBEA KID
Brake levers	ALU V-BRAKE
Brakes	ALU V-BRAKE
Chain	KMC SINGLE-SPEED
Wheels	ORBEA ALU 20”
Cassette	ORBEA 18T
Tyres	KENDA 879 20X1.75
Pedals	RESINE BMX
Seatpost	ORBEA OC-I 27.2X250MM
Saddle	VELO 7087
Quick stand	CENTRAL ALLOY

grow



GROW 2 7V

Code	F004

Pink-Black (Satin)
R6

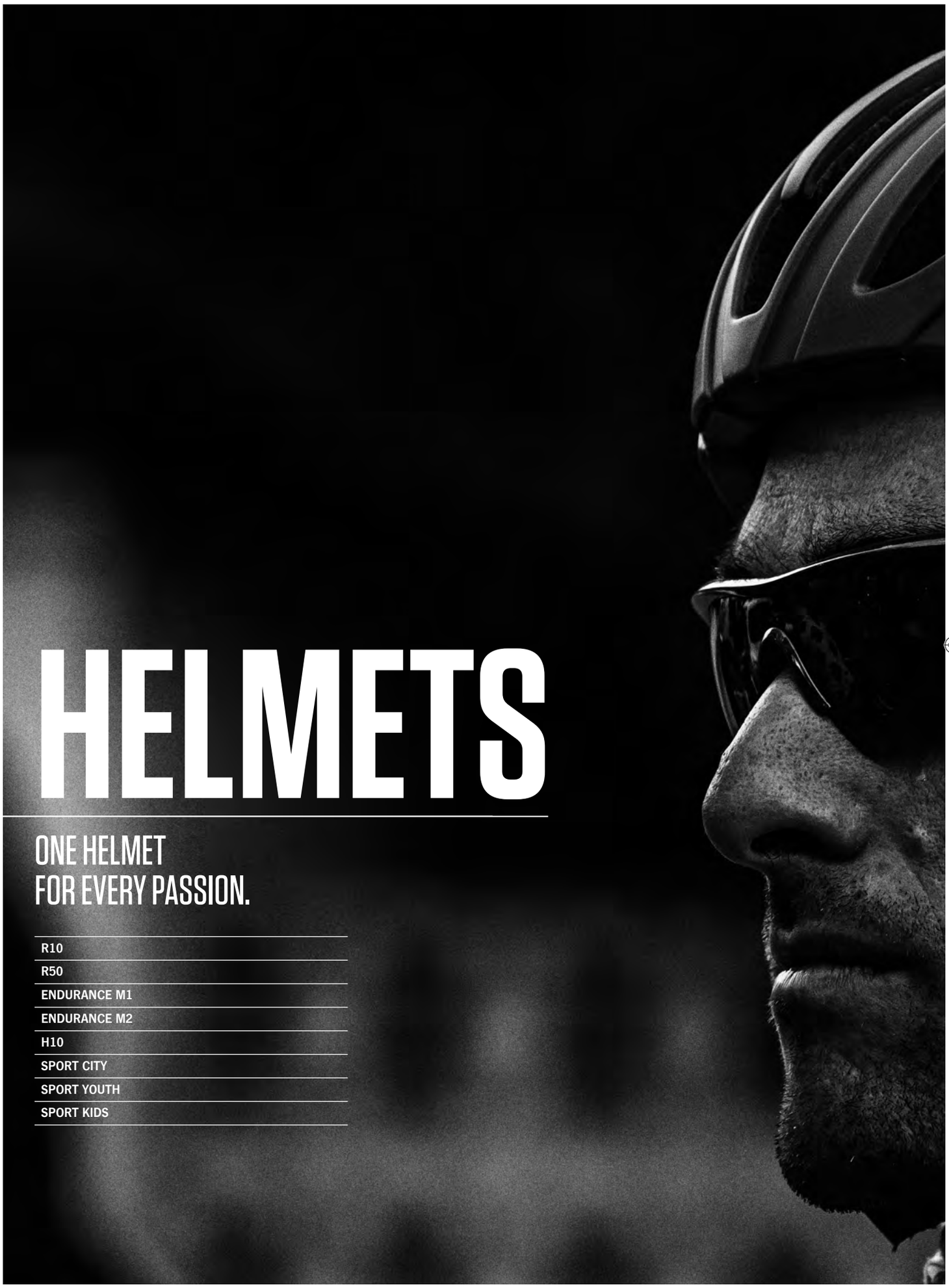
Red-Black (Satin)
R7

Orange-Black (Satin)
R8

Pistachio-Black (Gloss)
R9

Size	Crank	Stem	Handlebar
20	127	70	540

Frame	ORBEA GROW 20”
Fork	ORBEA HI-TEN 20”
Crankset	ALLOY 36T (127)
Headset	1-1/8” SEMI-INTEGRATED
Handlebar	ORBEA ALU RISER
Stem	ORBEA KID
Shifters	SHIMANO M310
Brake levers	ORBEA
Brakes	ALU V-BRAKE
Rear Derailleur	SHIMANO ALTUS M310
Chain	KMC Z50
Wheels	ORBEA ALU 20”
Cassette	SHIMANO TZ31 14-34T 7-SPEED
Tyres	KENDA 879 20X1.75
Pedals	RESINE BMX
Seatpost	ORBEA OC-I 27.2X250MM
Saddle	VELO 7087
Quick stand	CENTRAL ALLOY



HELMETS

ONE HELMET
FOR EVERY PASSION.

- R10
- R50
- ENDURANCE M1
- ENDURANCE M2
- H10
- SPORT CITY
- SPORT YOUTH
- SPORT KIDS


ORBEA
Nalini

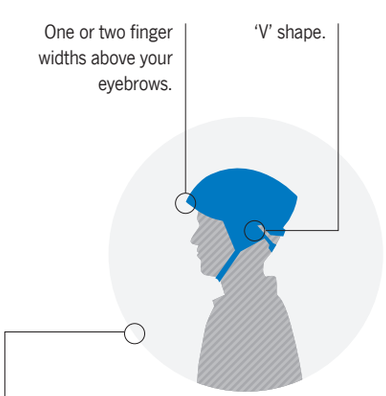
Models

ONE HELMET FOR EVERY PASSION.

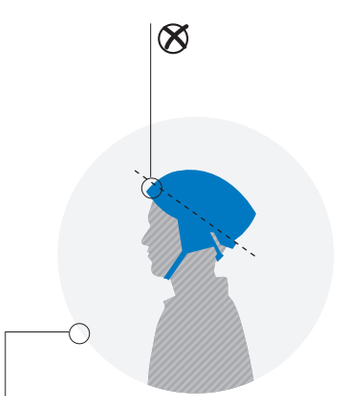
Every cyclist is different. This is why Orbea offers a full range of helmets that embody our dedication to cycling, our commitment to new technologies, and an exclusive design. Whether you go pedaling down the road, amidst the trees or in your neighborhood, there'll always be an Orbea helmet for you.

PICK YOUR HELMET

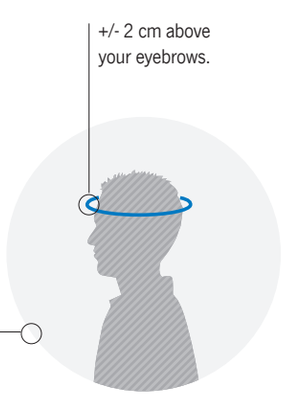
CMS.	40	45	50	55	60
R10			S	M	L
R50			S	M	L
M1				M	L
M2				M	L
H10				M	L
CITY				M	L
SPORT YOUTH			U		
KIDS			U		
INCHES	15,5	17,5	19,5	21,5	24



ADJUSTING HELMET STRAPS
Adjust the fit ring. Buckle and tighten to your neck. The two straps should form a 'V' shape under and slightly in front of the ears. Buckle the chin strap. The helmet should sit level on your head, one or two finger widths above your eyebrows.



CHECKING FIT
To check the right fit, try to move your helmet from side to side, backward and forward. If it rocks 1 cm or over, adjust the ring. When you turn your head, the helmet should move along.



CHOOSING HELMET SIZE
The best way to measure your head circumference is wrapping a flexible measuring tape around it.

R10





R50

M1





M2

H10





CITY

SPORT YOUTH





KIDS

R10

What makes this compact helmet such a big deal? Top-tier cycling helmets are a numbers game that target blends of aerodynamics, weight and ventilation. Advances in one area usually come at the expense of the others and extreme specialization has become more popular than versatility. That's why the Orbea R10 is unique - By going Slim - reducing volume, reducing contact points and reducing material, it's as lightweight and well-ventilated as the best road helmets while offering aerodynamic numbers to rival those of hybrid aero helmets. In the wind tunnel and on the road, big is bad. The close fit of the R10 already puts it ahead of larger, high-drag traditional road helmets. By installing the included UCI-legal cover, drag numbers match competitors hybrid aero models without giving up the ability to go with full ventilation the next day. If it's windy or rainy, cover up. If it's 35º C on the Tourmalet, let the breeze in. Instead of owning two helmets that may or may not do what they look like they do, choose the low volume, high performance R10 and win in ALL conditions.



WHAT MAKES R10 UNIQUE?

The R10 is our flagship helmet. We've exploited the latest construction technologies, made numerous visits to the wind tunnel and paid the closest attention to every single detail.
Our four-layer TC Technology (EPS foam core, molded polycarbonate shell, nylon mesh, and carbon fiber) yields an exceptionally comfortable and low-mass helmet with amazing ventilation properties. The nylon and carbon fiber internal layers reinforce the helmet's structure, making the R10 15% lighter than Odin and significantly more compact. Shock resistance is improved and the new R10 is 3% more aerodynamically efficient than standard road helmets.

The professional riders of the Cofidis team rely on the new R10 for protection, aerodynamics, light weight and ventilation in high-performance competition.

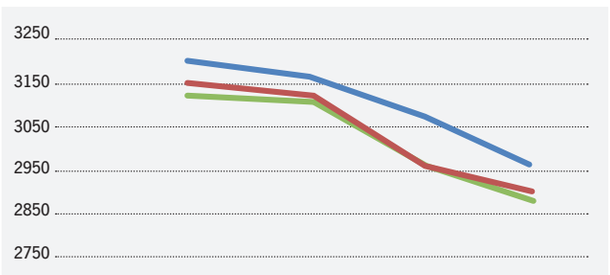
01/ AERODYNAMICS
02/ WEIGHT
03/ VENTILATION

01/ AERODYNAMICS

Wind tunnel tests have shown that a helmet's profile and volume are more important than the number (or even the lack) of air vents when it comes to reducing drag. If the shape of the helmet is closely adjusted to the rider's head and doesn't lie too far above the skull, the helmet will produce more efficient results than a standard high-volume helmet. A screen or visor can further reduce resistance, so that a well-vented helmet can be as aerodynamic as a helmet with larger volume and no vents. There's no reason to compromise air flow for reduced wind resistance. With its reduced volume and carefully optimized shape, the R10 performs extremely well in both departments.

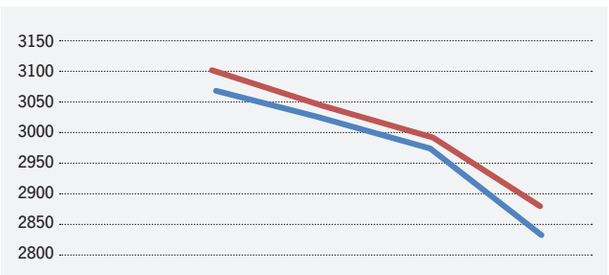


Comparison chart: R10 vs Odin – 3% more efficient.



	0	15	10	15
R10 with shield	3100	3039	2987	2880
R10 without shield	3106	3082	2981	2915
Odin	3181	3154	3070	2959

Comparison with aerodynamic road cycling helmets: The R10 is 1% less efficient but 20% more vented. Graphic: R10 vs aerodynamic road cycling helmets.



	0	15	10	15
Road aero non tailed helmet	3065	3017	2960	2830
R10 shield	3100	3039	2987	2880

02/
WEIGHT

HELMET SYSTEM
Instead of offering different road cycling helmets for specific purposes, we chose to develop a helmet system. This light, stylish helmet has multiple accessories that perform several specific tasks.

A waterproof shell keeps your head warm and dry. An optional integrated windscreen adds aerodynamic value for those days when you need it. And beneath all this, a low-profile, sturdy and comfortable design adds character and elegance.

Light weight is quite a challenge in helmets. But we've managed to reduce weight by 15%. How?

01. We reduced the EPS foam density by 10%.
02. We developed a cross bridge structure to reduce thickness, using a reinforcing polycarbonate shell across the helmet's structure.

-15% WEIGHT REDUCTION

03/
VENTILATION

Orbea has created a revolutionary helmet design that allows air to flow naturally.

When wind hits the R10, the careful design of the external surfaces direct the breeze toward the top of the helmet into large, linear vents that are structured to pull air inside. Fewer internal obstacles keep air moving. This design translates into better airflow and a more compact structure.

Our ES and ITP Indexes have guided the design to ensure you feel the breeze.



VENTILATION - ES INDEX
External Surface (ES) Index is an optimization of outside shapes to reduce volume and direct airflow into the vents.



VENTILATION - ITP INDEX
Internal Touch Point (ITP) Index refers to the areas where the helmet's interior touches the head. Reducing this surface area and channeling airflow above the scalp increases comfort and results in better ventilation.


Cofidis
Nalini
ORBEA
Cofidis
Solutions crédits
GE 734 388

R50

The Orbea R50 is a tough competitor capable of besting adversaries on any course. So many helmets rank highly in one aspect - Weight, Size, Looks, Aerodynamics - but the R50 is an all-rounder. A Roleur with a big bag of tricks. The compact construction reduces size and weight, making the R50 attractive to the eye and pleasing to the brow. The low volume and close fit are aerodynamically superior to bulkier designs so you don't need to wonder if you're taking the fastest route to the finish. Superb ventilation will help you keep a cool head, so important for making decisions that could mean the difference between finishing at the front or just finishing. And of course the R50 comes in enough colors that you will look great standing on the podium and admiring the view.



WHAT MAKES R50 UNIQUE?

The R50 is based on the same minimal-volume philosophy as the R10 but features simpler construction and shaping to bring high performance to a wider range of riders. In fact, its unique design is a statement in its own right, ensuring unrivaled looks and comfort on the bike. The low internal touch point (ITP) index translates into fewer points of contact inside the helmet for a great feel and improved ventilation. The 19 vents keep your head cool so you can feel the wind while being safe, wearing a durable three-layer TC Construction helmet. Breathable pads and inner mesh fabric wick moisture away, keeping you fresh for hours during summer climbs. The adjustment dial of the fastening mechanism can be manipulated quickly with one hand so you'll only have to focus on the road ahead.

01/ IMPROVED VENTILATION

02/ LIGHTER WEIGHT

03/ AERODYNAMICS

The new R50 overtakes and surpasses its predecessor, the Arin. Professional and amateur riders alike rely on the new R50 for top-level protection, ventilation, aerodynamics and light weight performance.



CONSTRUCTION

The low-volume comfort and aerodynamics of the R50 are nothing without safety and protection. The R50 is crafted with multiple layers of differing materials designed to absorb and disperse impacts. EPS foam deforms to minimize traumatic forces while key areas of the skeleton are reinforced with nylon and polycarbonates that help protect the EPS from penetration.

At the same time, the R50 has a reduced volume compared to its predecessor, the Odin, getting rid of superfluous parts for a lighter and simpler structure with fewer joints and attachments.

"The composition materials used in the R50 helmet are nylon, polycarbonate, and EPS.



R10









Code	H09E
Size	S/ 50-54cm
	M/ 55-59cm
	L/ 59-62cm



Black / Red



Black / Fuchsia



Black / Yellow



Black



White



Blue / White

Low volume
· EXCELLENT AERODYNAMICS
· 15% LIGHTER STRUCTURE

Ventilation
· ES INDEX - 29 VENTS AND COMPACT STRUCTURE
DIRECT AIRFLOW
· ITP INDEX - MINIMAL INTERNAL CONTACT POINTS
INCREASE COMFORT AND VENTILATION

Construction
· POLYCARBONATE INJECTION IN-MOLD
· EPS SHELL
· NYLON REINFORCED EPS LAYERS

Fit system
· ERGONOMIC RETENTION SYSTEM
· SINGLE HAND MICRO-ADJUST

Specifications
· WASHABLE CUSHION PADS WITH BREATHABLE MESH
· ADJUSTABLE STRAPS AND CLOSURE
· PROTECTIVE BUCKLE



* Cover

R50









Code	H10E
Size	S/ 50-54cm
	M/ 55-59cm
	L/ 59-62cm



Blue / Black



Black



White



Red / White



Yellow / White

Low volume
· EXCELLENT AERODYNAMICS
· 15% LIGHTER STRUCTURE

Ventilation
· ES INDEX - 29 VENTS AND COMPACT STRUCTURE
DIRECT AIRFLOW
· ITP INDEX - MINIMAL INTERNAL CONTACT POINTS
INCREASE COMFORT AND VENTILATION

Construction
· POLYCARBONATE INJECTION IN-MOLD
· EPS SHELL
· NYLON REINFORCED EPS LAYERS

Fit system
· ERGONOMIC RETENTION SYSTEM
· SINGLE HAND MICRO-ADJUST

Specifications
· WASHABLE CUSHION PADS WITH BREATHABLE MESH
· ADJUSTABLE STRAPS AND CLOSURE
· PROTECTIVE BUCKLE

M1

The Endurance M1 is ready for adventure. The EPS foam core and molded polycarbonate shell were developed using our two-layer TC Technology to combine low weight and durability. The M1 has 23 vents to maximize air flow and comfort in hot weather. Like the rest of our helmets, the M1 features Coolmax pads for optimal cushioning. The removable visor and easy-to-use fit adjustment dial allow quick customization for every rider.



M1









Code	H12E
Size	M/ 54-58cm
	L/ 58-61cm



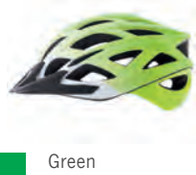
White



Red



Black



Green



Black / Blue

Ventilation
· ES INDEX - 29 VENTS AND COMPACT STRUCTURE
DIRECT AIRFLOW
· ITP INDEX - MINIMAL INTERNAL CONTACT POINTS
INCREASE COMFORT AND VENTILATION

Construction
· POLYCARBONATE INJECTION IN-MOLD
· EPS SHELL
· NYLON REINFORCED EPS LAYERS

Fit system
· ERGONOMIC RETENTION SYSTEM
· SINGLE HAND MICRO-ADJUST

Specifications
· WASHABLE CUSHION PADS WITH BREATHABLE MESH
· ADJUSTABLE STRAPS AND CLOSURE
· PROTECTIVE BUCKLE

M2

The characteristics of the Endurance M2 make it perfect for more adventurous rides. It was developed using our two-layer TC Technology to optimize weight and safety using an EPS foam core and molded polycarbonate shell. Covering a larger area at the back of the head than the M1, it's fit for technical trails where a bit more protection is desired. The 21 vents maximize air flow and comfort in hot weather and mesh inside the front channels wards off insects. Like the rest of our helmets, the M2 features Coolmax pads for optimal cushioning and an easy-to-use fit adjustment dial.



M2







Code	H04E
Size	M/ 53-58cm
	L/ 58-61cm



White



Blue



Anthracite



Green

Ventilation
· ES INDEX - 29 VENTS AND COMPACT STRUCTURE
DIRECT AIRFLOW
· ITP INDEX - MINIMAL INTERNAL CONTACT POINTS
INCREASE COMFORT AND VENTILATION

Construction
· POLYCARBONATE INJECTION IN-MOLD
· POLYCARBONATE INJECTION IN-MOLD
· EPS SHELL
· NYLON REINFORCED EPS LAYERS

Fit system
· ERGONOMIC RETENTION SYSTEM
· SINGLE HAND MICRO-ADJUST

Specifications
· WASHABLE CUSHION PADS WITH BREATHABLE MESH
· ADJUSTABLE STRAPS AND CLOSURE
· PROTECTIVE BUCKLE

H10

The new H10 is an economical though not necessarily basic helmet. It has many of the characteristics of the more expensive helmets in our range, including stylish, smooth design and optimal ventilation. The low internal touch point (ITP) index translates to fewer points of contact inside the helmet for greater comfort and improved airflow. With a reduced volume, the H10 doesn't feel too big or heavy but rather becomes an extension of your own body. 25 vents keep your head cool and enable you to feel the wind, while the two-layer TC Construction utilizes EPS foam and polycarbonate to keep the helmet sturdy and light. Breathable pads and inner mesh fabric are easy to clean and they wick moisture away, keeping you fresh for hours. The dial of the fastening mechanism can be adjusted easily with one hand.



H10



Code	H11E
Size	M/ 55-59cm
	L/ 59-62cm



White



Blue



Black



Green



Black / Red

Orbea Air Flow Ventilation
· ITP INDEX: MINIMIZES THE INTERNAL POINTS OF CONTACT AND IMPROVES INTERNAL VENTILATION FLOW.
· ES INDEX: 25 VENTILATION HOLES AND A MORE COMPACT STRUCTURE.

Tc Construction - 2-Layer Technology
· POLYCARBONATE INJECTED IN-MOLD.
· OUTER EPS SHELL.

Fit System
· ERGONOMIC RETENTION SYSTEM.
· MICRO-ADJUSTMENT WITH A SMALL WHEEL ACCESSIBLE WITH A SINGLE HAND.

Specifications
· CUSHIONING PADS WITH BREATHABLE MESH FABRIC.
· ADJUSTABLE STRAPS AND CLOSURE.
· BUCKLE WITH PROTECTIVE FEATURE.



CITY

Just because you ride for fun in the city or local hills doesn't mean you don't wish to look stylish! Most urban helmets are heavy and have few vents - great for cool climates or for situations where you never pick up the pace. But If your riding takes you all over town or you like to picnic with friends at the end of a 45 minute ride, the H10 is a great alternative. Developed using our 2-Layer TC Technology that fuses EPS foam and a polycarbonate shell, it is light and resistant. The Sport City has 15 vents to maximize air flow and comfort in hot weather and, like the rest of our helmets, features Coolmax pads for optimal cushioning and an easy-to-use fit adjustment dial.

CITY



Code	H06E
Size	M/ 54-58cm
	L/ 58-61cm



Black

Orbea Air Flow Ventilation
· ITP INDEX: MINIMIZES THE INTERNAL POINTS OF CONTACT AND IMPROVES INTERNAL VENTILATION FLOW.
· ES INDEX: 19 OPENINGS AND A MORE COMPACT STRUCTURE.

Tc Construction - 2-Layer Technology
· POLYCARBONATE INJECTED IN-MOLD.
· OUTER EPS SHELL.

Fit System
· ERGONOMIC RETENTION SYSTEM.
· MICRO-ADJUSTMENT WITH A SMALL WHEEL ACCESSIBLE WITH A SINGLE HAND.

Specifications
· VISOR INCLUDED.
· CUSHIONING PADS WITH BREATHABLE MESH FABRIC.
· ADJUSTABLE STRAPS AND CLOSURE.
· REFLECTIVE MATERIAL IN BACK PART OF HELMET.

YOUTH

When you need to fit in, style is important but mom and dad insist on safety. The Sport Youth helmet can help with both. Like our adult M1, M2 and H10 helmets, it was developed using our 2-Layer TC Technology that fuses EPS foam and a polycarbonate shell, it is light and resistant. The Sport City has 15 vents to maximize air flow and comfort in hot weather and, like the rest of our helmets, features Coolmax pads for optimal cushioning and an easy-to-use fit adjustment dial that allows the helmet to grow with you.



YOUTH



Code	H13E
Size	ONE SIZE/ 52-56cm



White / Black



Blue



Anthracite / Yellow



Fucsia



Green

Orbea Air Flow Ventilation
· ITP INDEX: MINIMIZES THE INTERNAL POINTS OF CONTACT AND IMPROVES INTERNAL VENTILATION FLOW.
· ES INDEX: 25 OPENINGS AND A MORE COMPACT STRUCTURE.

Tc Construction - 2-Layer Technology
· POLYCARBONATE INJECTED IN-MOLD.
· OUTER EPS SHELL.

Fit System
· ERGONOMIC RETENTION SYSTEM.
· MICRO-ADJUSTMENT WITH A SMALL WHEEL ACCESSIBLE WITH A SINGLE HAND.

Specifications
· VISOR INCLUDED.
· CUSHIONING PADS WITH BREATHABLE MESH FABRIC.
· ADJUSTABLE STRAPS AND CLOSURE.
· REFLECTIVE MATERIAL IN BACK PART OF HELMET.
· FRONT OPENING WITH ANTI-INSECT MESH.

KIDS

Your kid doesn't need to know the Orbea Sport Kids helmet is for safety. They'll just love the alluring colors and feel comfortable wearing this cool helmet. Developed using our 2-Layer TC Technology that fuses EPS foam and a polycarbonate shell, it is light and resistant. The Sport City has 12 vents to maximize air flow and comfort in hot weather and, like the rest of our helmets, features Coolmax pads for optimal cushioning and an easy-to-use fit adjustment dial that allows the helmet to grow with you.



KIDS







Code	H08E
Size	ONE SIZE/ 51-55cm



Green



Red



Pink



Blue

Orbea Air Flow Ventilation
· ITP INDEX: MINIMIZES THE INTERNAL POINTS OF CONTACT AND IMPROVES INTERNAL VENTILATION FLOW.
· ES INDEX: 12 OPENINGS AND A MORE COMPACT STRUCTURE.

Tc Construction - 2-Layer Technology
· POLYCARBONATE INJECTED IN-MOLD.
· OUTER EPS SHELL.

Fit System
· ERGONOMIC RETENTION SYSTEM.
· MICRO-ADJUSTMENT WITH A SMALL WHEEL ACCESSIBLE WITH A SINGLE HAND.

Specifications
· INTEGRATED VISOR.
· CUSHIONING PADS WITH BREATHABLE MESH FABRIC.
· ADJUSTABLE STRAPS AND CLOSURE.
· REFLECTIVE MATERIAL IN BACK PART OF HELMET.
· FRONT OPENING WITH ANTI-INSECT MESH.

FACEBOOK

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TWITTER

twitter.com/Orbea

INSTAGRAM

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YOUTUBE

www.youtube.com/user/OrbeaBicycles

