



## SUPER RECORD™ GROUPSET



**This is the state of the art in technology applied to racing bikes.** The non plus ultra. The racing groupset sans pareil. Super Record™ is an absolute legend: it was introduced in 1973 and became **The groupset** of champions. Today, 21 years later, Campagnolo® is proposing it again.

The reason? Still the same: being **THE** groupset for the best. And its **11 speeds** are there to prove it. Lots of carbon fibre but also titanium and light alloy.

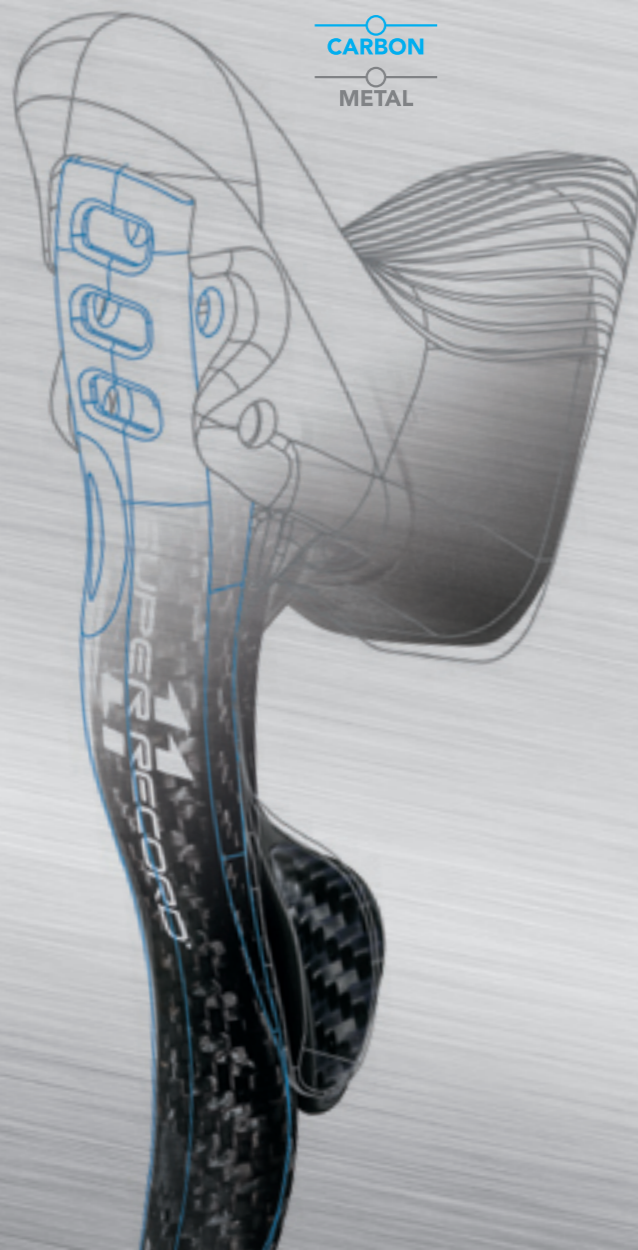
Consistent with our mission we have **raised the level** for the umpteenth time. Before everyone, ahead of everyone: this is the **new peerless level of excellence** established by Campagnolo®. The Super Record groupset: the perfect tool **for winning. Every time.**

## ERGOPOWER™ ULTRA-SHIFT™ SUPER RECORD™ CONTROLS

HERE IS THE MOST EFFECTIVE ERGOPOWER™ CONTROL EVER PRODUCED. ITS **ERGONOMIC FORM** AND **LIGHTNESS** ARE ITS STRENGTH.

The choice of materials aims at excellence. The imperative is: **carbon fibre and titanium**. All combined with aesthetics designed down to the smallest details.

Shifting and braking have never been so easy.



CARBON  
METAL

- + carbon fibre brake lever grooved at the top
- optimum support when gripping high and low
- mechanisms on bearings
- internal mechanism with titanium parts
- fibre insert in the shift lever
- Vari-Cushion™ shock absorbers
- No-Bulge™ cable passages



## SUPER RECORD™ CRANKSET



OUR **CULT™ TECHNOLOGY** AND A NEW **CORROSION-PROOF TREATMENT** EXALT ITS STRENGTH AND ENDURANCE.

The use of unidirectional and multidirectional carbon fibre in the **Ultra-Hollow™ structure** gives the cranks rigidity and lightness.

**ESP (Enhanced Shifting Performance) ACTUATION SYSTEM™** technology ensures precision and speed when shifting.



- + Ultra-Torque™ bottom bracket
- cups with very low friction seals
- hollow structure cranks and spokes
- asymmetrical ESP ACTUATION SYSTEM™ geometry for the chainring teeth
- CULT™ bearings with premium grade ceramic ball bearings-
- chainrings with new anodization, corrosion-proof and wear-proof treatment
- ultralight aluminium chainrings and screws



## SUPER RECORD™ REAR DERAILLEUR

COMPLETELY BLACK, THE SUPER RECORD™ REAR DERAILLEUR BOASTS **INNOVATIVE PARALLELOGRAM GEOMETRY**. THE RESULT IS OPERATION WITH **ABSOLUTE PRECISION**.



The **carbon outer plate** wraps around the metal body and executes the commands from the Ergopower™ Ultra-Shift, controls with precision. **Maximum smoothness for the cage pulleys** made of anti-vibration material.

Practically **perfect** from every point of view.



- upper body made of forged aluminium
- light alloy and carbon fibre cage
- pulleys with ceramic technology movement
- titanium screws and adjusters

## SUPER RECORD™ FRONT DERAILLEUR

THE ULTRA-SHIFT™ FRONT DERAILLEUR IS **THE LIGHTEST EVER MADE** BY CAMPAGNOLO® WITH, IN ADDITION, INCOMPARABLE RIGIDITY OF THE PARTS AND OPERATING SPEED.

The form of the aluminium and carbon fibre cage has been designed for the maximum strength.

The **titanium screws and inserts** ensure lightness and strength over time.



- light alloy and carbon fibre cage
- inner plate with Z-shape™ geometry
- compatibility with standard and compact geometry
- body with M-brace™ geometry support
- easier to fit Even-O™ clamp
- anti-friction treatment





## SUPER RECORD™ SPROCKET SET

**ELEVEN SPROCKETS TO WIN:** SIX TITANIUM ONES AND FIVE IN STEEL.

The Super Record™ sprocket set exploits a **new frame** for the two supersize titanium sprocket triplets.

The strength and resistance to torsion have been increased as a result. The design of the teeth strains the chain less.



- +
- new design tothing
- Nickel-Chrome treatment
- light alloy locking
- new double chain for the larger sprockets
- new evolved sprocket timing



## RECORD™ CHAIN

THE ENGINE OF THE 11-SPEED DRIVETRAIN IS THE CHAIN. IT HAS BEEN DESIGNED TO **ELIMINATE ALL FRICTION** WITH THE SPROCKETS ADJACENT TO THOSE IN OPERATION.

A **special treatment** ensures smoothness.



- +
- width 5.5 millimetres
- Ultra-Link™ fastening system
- external links in special new steel
- Ni-PTFE anti-friction treatment
- hollow pins

## SUPER RECORD™ BRAKES

SUPER RECORD™ SKELETON BRAKES ARE THE RESULT OF A **VERY CAREFUL STUDY** OF EVERY SINGLE DETAIL.



A **maximized weight-rigidity ratio** was desired when designing the Skeleton™ brakes. To achieve this, body material was removed towards the outermost side, away from the axis of the calliper arms.

The Skeleton structure permits **lightness** and **rigidity**.

The geometry differentiated between front and rear ensures the **maximum braking power** on the front wheel and **great progressiveness** for the rear.

The screws are in titanium.



• Front



• Rear



- double front fulcrum and single on the rear
- forged aluminium
- Skeleton structure
- orbital pad adjustment
- mechanisms on bearings





## RECORD™ GROUPSET

RECORD™ 4i<sup>SPEED</sup>

Light alloy and carbon fibre: this is the groupset's pairing.

Record™ comes complete with pedals, seat post, headset, hubs and bottle cage. Campagnolo® guarantees: here are the tools you need **for racing without compromises of any kind.**

## RECORD™ REAR DERAILLEUR

THE RECORD™ 11-SPEED REAR DERAILLEUR IS PROVIDED WITH AN **CARBON FIBRE** OUTER PLATE WHICH INCREASES RIGIDITY BY 150%.

The pulleys are fitted on an aluminium and carbon cage and turn on **ceramic bearings**.



- +
- forged aluminium body
- carbon outer plate with new geometry
- aluminium and carbon cage
- pulleys made of anti-vibration material



## ERGOPOWER™ ULTRA-SHIFT™ RECORD™ CONTROLS

THE ERGOPOWER™ ULTRA-SHIFT™ RECORD™ CONTROLS IS FITTED WITH A **COMPLETELY NEW SUPPORT**.

The main carbon fibre lever can guarantee **greater breaking power** in any position you grip it with.

The fulcrum has been put in a new more effective position. Improvements specially studied to guarantee superior performance.

- +
- mechanisms on bearings
- carbon brake lever
- greater support area
- Vari-Cushion™ shock absorbers
- No-Bulge™ cable passages



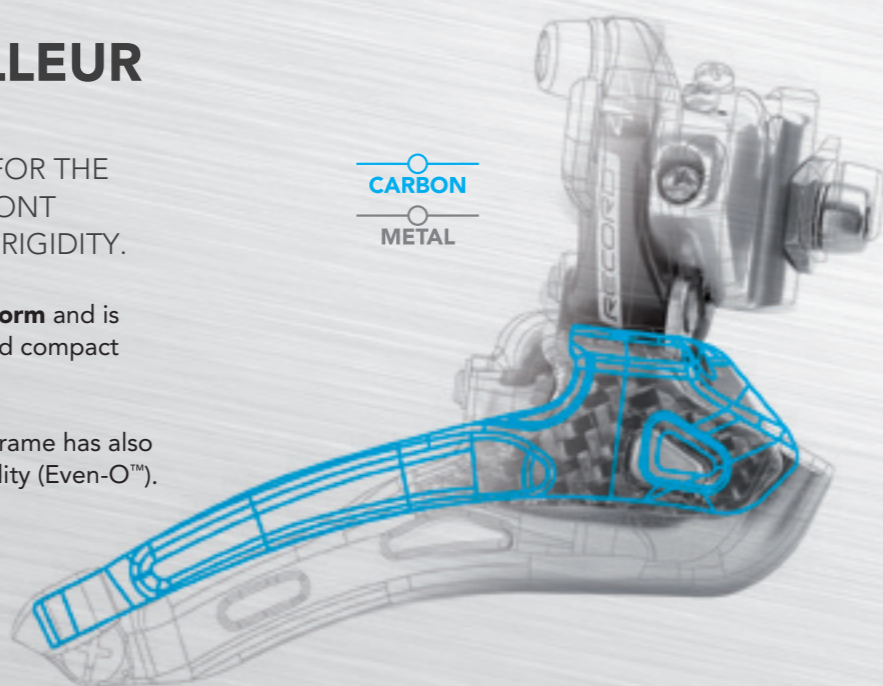
## RECORD™ FRONT DERAILLEUR

THE **GEOMETRY** DEVISED FOR THE RECORD™ ULTRA-SHIFT™ FRONT DERAILLEUR INCREASES ITS RIGIDITY.

The body exploits the **M-brace™** form and is compatible with both standard and compact cranksets.

The clamp fixing it to the bicycle frame has also been improved for greater versatility (Even-O™).

CARBON  
METAL



## RECORD™ CHAIN

**EXTREME STRENGTH** FOR THE RECORD™ CHAIN.

The thickness is 5.5 millimetres, but the retention force is extremely high thanks to the **Ultra-Link™** technology.

The chain uses very light hollow pins **without compromising strength**. It is necessary to use the new UT-CN300 tool to fit it.



- aluminium and carbon Ultra-Shift™ cage
- Z-shape™ inner plate
- anti-friction treatment
- body with M-brace™ geometry



- width 5.5 millimetres
- NI-PTFE anti-friction treatment
- hollow pins
- external links in special new steel
- Ultra-Link™ system

## RECORD™ CRANKSET



ULTRA-HOLLOW™  
STRUCTURE



ULTRA-TORQUE™  
SYSTEM

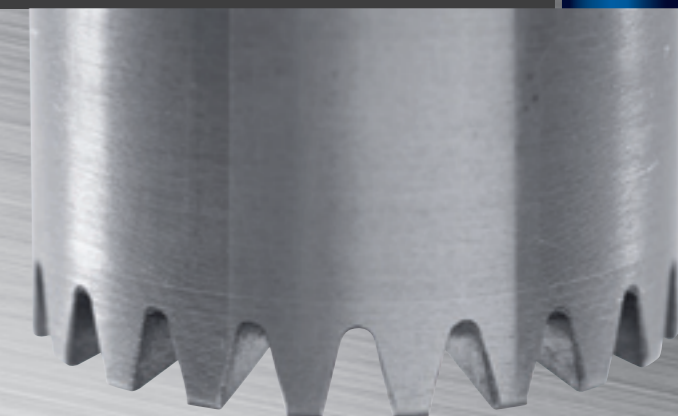
THE RECORD™ CRANKSET EXPLOITS UNIDIRECTIONAL AND MULTIDIRECTIONAL CARBON FIBRE STRUCTURED ACCORDING TO **ULTRA-HOLLOW™ TECHNOLOGY** WHICH ENVISAGES HOLLOW CRANKS AND SPOKES.

The use of **USB™** (Ultra Smooth) Bearings ensures very low friction and enhanced performance.

Anticorrosion treatment for the cups of the **Ultra-Torque™** system.



- ESP (Enhanced Shifting Performance) ACTUATION SYSTEM™
- Ultra-Hollow™ structure
- light alloy screws
- long life anodization treatment
- Ultra-Torque™ bottom bracket





## RECORD™ SPROCKET SET

**STEEL AND TITANIUM** FOR AN IDEAL SPROCKET SET. 8 SPROCKETS OF THE RECORD™ SPROCKET SET ARE IN FACT MADE OF STEEL WHILE THE REMAINING 3 ARE IN TITANIUM.

The last pair of three sprockets are mounted on a **frame with a new structure** that increases their rigidity.

The steel sprockets have a Nickel-Chrome surface treatment.



- new design for the teeth
- double frame for the larger sprockets
- new evolved sprocket timing
- ultralight fastening ring



## RECORD™ BRAKES

**RIGIDITY, ROBUSTNESS AND WEIGHT-SAVING** ARE THE MAIN FEATURES OF RECORD™ BRAKES.

Skeleton geometry has made it possible to reduce weight without diminishing braking power while maintaining the same operating safety.

The differentiated front and rear geometry ensures power and progressiveness.



Rear



- forged structure
- single rear fulcrum and double front one
- orbital brake pad adjustment
- Ergal screws
- mechanisms on ball bearings



Front

### AND TO COMPLETE THE GROUPSET...

To savour the perfection of the whole system: for those who want to savour the **total performance** in the details too, the Record™ groupset can be completed with **pedals, seat post, headset, hubs and bottle cage**.



## CHORUS™ GROUPSET

CHORUS™ 41<sub>SPEED</sub>

The materials, technology and performance have been designed with **racing in mind**. The **lightness** of Chorus™ is provided by aluminium and composite materials.

This groupset also comprises pedals and seat post.

## CHORUS™ REAR DERAILLEUR

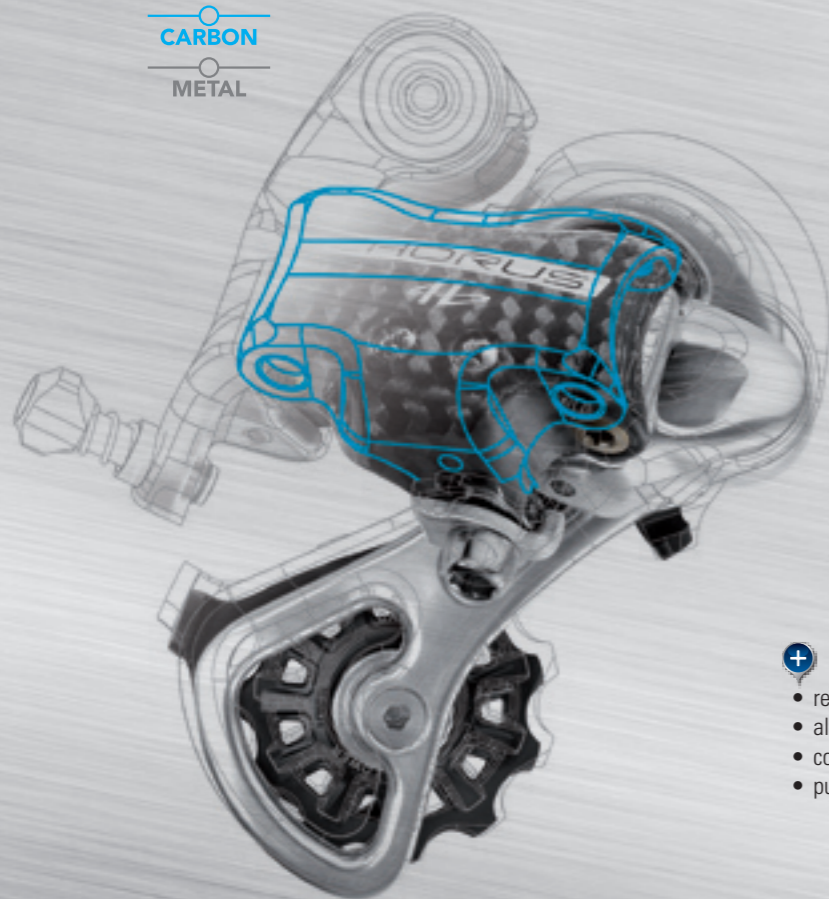
THE 11-SPEED CHORUS™ REAR DERAILLEUR HAS A PARALLELOGRAM OF NEW DESIGN WITH AN **OVERSIZE CARBON FIBRE OUTER PLATE**.

The use of light alloy and composite reduces the weight while maintaining absolute operating precision.

The **dimensioning precision** has eliminated any possible play between the parts right from the beginning.



CARBON  
METAL



- redesigned parallelogram
- aluminium alloy bodies
- composite outer plate
- pulleys made of anti-vibration material

## CHORUS™ CRANKSET



THE 11-SPEED CHORUS™ CRANKSET HAS BEEN EMBELLISHED BY THE **NEW SURFACE ANODIZATION TREATMENT** WHICH RENDERS THE CHAINRINGS MORE RESISTANT TO WEAR AND TO CORROSION.

The **asymmetrical toothing** of the innermost chainring and the eight pins on the outside render shifting immediate.



- unidirectional and multidirectional carbon fibre
- long life anodization treatment
- sectors with special ESP™ profile on the outermost chainring
- light alloy screws
- Ultra-Torque™ bottom bracket



## ERGOPOWER™ ULTRA-SHIFT™ CHORUS™ CONTROLS

THE NEW 11-SPEED ERGOPOWER™ ULTRA-SHIFT™ CONTROLS GUARANTEE **FULL BRAKING POWER** EVEN WITH YOUR HANDS IN THE **HIGH GRIP POSITION**.

Operation is precise and constant over time thanks to the use of **polymer bushings** and a new internal mechanism.

Maintenance has been reduced to a minimum.



- carbon fibre brake lever
- low friction internal mechanism
- ample support



## CHORUS™ CHAIN

### SILENCE, ACTION.

THE NEW CHORUS™ 11-SPEED CHAIN IS **QUIETER** THAN EVER.

The **new 5.5 millimetre thickness** has been combined with new materials and a special anti-friction treatment which permits outstanding fluidity.



- Ultra-Link™ fastening system
- NI-PTFE anti-friction treatment
- external links in special new steel
- width 5.5 millimetres

## CHORUS™ FRONT DERAILLEUR

THE CAGE MADE ENTIRELY OF ALUMINIUM ALLOY EXPLOITS THE Z-SHAPE™ OF THE INNER PLATE TO PERMIT **IMMEDIATE AND PRECISE SHIFTING**.

The system is more rigid thanks to the use of the **M-brace™** derailleur body while its life has been increased by the **anti-friction** treatment of the surfaces.



- light alloy structure
- Even-0™ frame clamp
- body with M-brace™ geometry
- same geometry for the compact or standard crankset



## CHORUS™ BRAKES

**FORGED ALUMINIUM ALLOY AND DIFFERENTIATED DESIGN** FOR THE CHORUS™ SERIES SKELETON BRAKES.



• Front

This ensures maximum power for the front and progressiveness for the rear.

The **pad orbital adjustment** possibility always permits the best contact with the braking tracks.



• Rear

- +
- lightened Skeleton structure
- differentiated front and rear levering
- orbital pad adjustment



## CHORUS™ SPROCKET SET

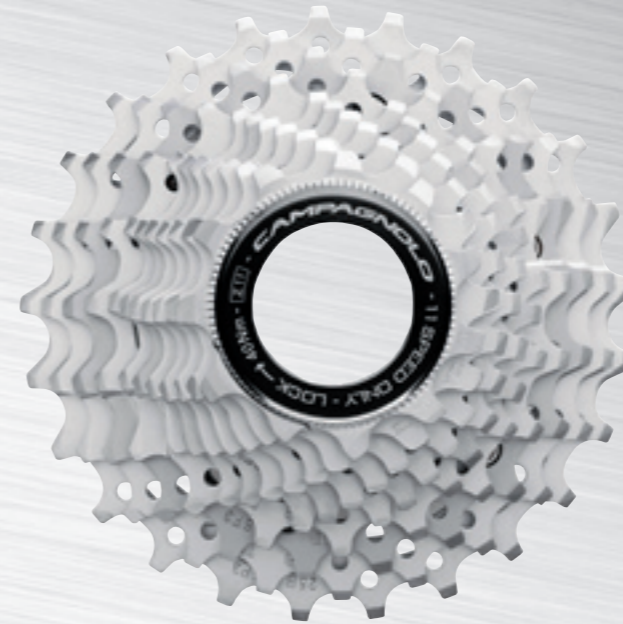
**PAINSTAKING WORK** WAS CARRIED OUT ON THE SPROCKETS.

The additional speed led us to devising a **new support structure** for the last six sprockets in two subsets.

The form of the teeth is new and they have been treated to increase duration over time.



- new tooth profile for the 11-speed system
- reinforced aluminium supports for the six largest sprockets
- light alloy fastening ring
- Nickel-Chrome surface treatment



### AND TO COMPLETE THE GROUPSET...

The Chorus™ groupset offers you **carbon pedals and seat post** to complete your **top-range high-quality** choice with **consistency**.





## CENTAUR™ GROUPSET

**New Ergopower™ Ultra-Shift™ controls** with 10 speeds and two versions. The Centaur™ crankset and Ergopower™ are available for you in aluminium or carbon fibre versions. A groupset designed and evolved to obtain excellent performance.

**Guaranteed by Campagnolo®.**

## ERGOPOWER™ ULTRA-SHIFT™ CENTAUR™ CONTROLS

THIS YEAR THE CENTAUR™ ADOPTS THE **NEW ERGOPOWER™ ULTRA-SHIFT™ CONTROLS** TO FULLY MEET YOUR NEEDS.



The ample support area for your hands and the **Vari-Cushion™ shock absorber** make them ideal for those who grind kilometre after kilometre.

You can choose between versions with an aluminium or carbon brake lever.

The mechanism is **extremely smooth**. Polymer bushes are used in the carbon version.



- + aluminium or carbon brake lever
- large support area
- very smooth mechanism
- absolute mechanical precision

## CENTAUR™ CRANKSET



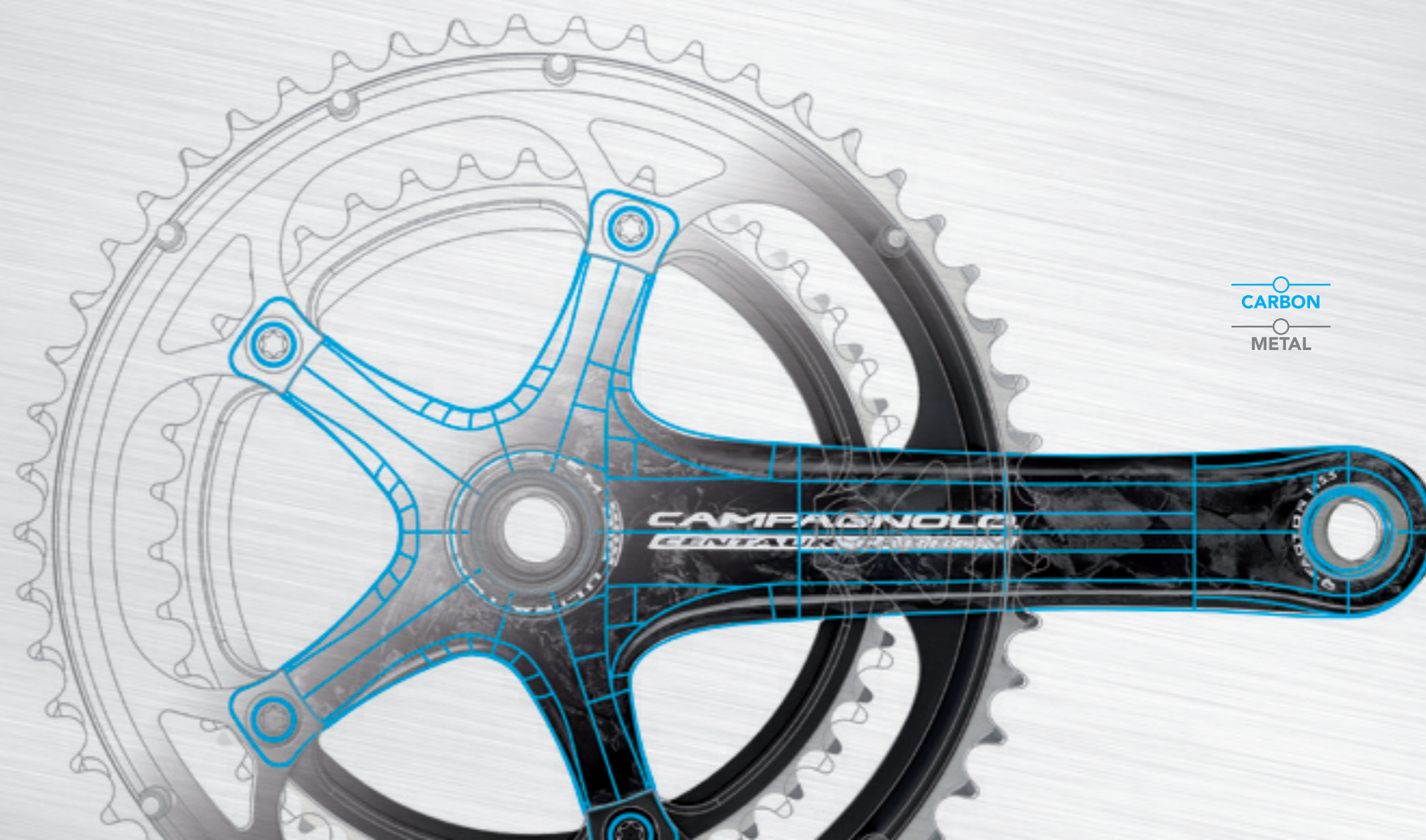
### WHAT KIND OF CRANKSET DO YOU WANT?

YOU ARE JUST SPOILED FOR **CHOICE** WITH THE CENTAUR™ GROUPSET.

We have even made **four versions**: standard, compact, in aluminium alloy or in carbon. And with different lengths of course.

The **Ultra-Torque™ system** ensures maximum rigidity and minimum dimensions.

- + double choice: aluminium or carbon
- large chainring with eight pins for upshifting the chain
- Ultra-Torque™ type bottom bracket



CARBON  
METAL

## CENTAUR™ FRONT DERAILLEUR

A SINGLE FRONT DERAILLEUR FOR ALL THE CRANKSETS: IT COULDN'T BE **MORE FUNCTIONAL** THAN THAT!

The use of the **Z-Shape™** design for the inner arm and the body with **M-Brace™** configuration offer absolute operating precision and greater rigidity. The special surface treatment protects from rust.



- Z-Shape™ inner plate
- single version for the compact or standard crankset
- Even-O™ frame clamp with Even-O™ design
- chrome-plated cage
- body with M-brace™ design



## CENTAUR™ SPROCKET SET

OUR 10-SPEED SYSTEM MAKES IT POSSIBLE TO **OPTIMIZE SHIFTING** IN AN EXCELLENT MANNER WITH THE **ULTRA-DRIVE™ DESIGN**.

The form of the sprocket teeth ensures the best grip for the chain. Strength has also been improved by the **nickel-chrome treatment**. The sprockets are all single.



- Ultra-Drive™ system
- Nickel-chrome™ surface treatment
- special tooth design



- HD-Link™ fastening system
- lightened links
- anti-friction treatment
- width 5.9 millimetres



## CENTAUR™ CHAIN

WE HAVE OPTIMIZED THE CENTAUR™ CHAIN TO IMPROVE **POWER TRANSMISSION** AND **QUIET OPERATION**.

But we haven't stopped here: thanks to the **special anti-friction treatment** we have been able to extend the chain's life and also obtain enhanced shifting speed. All of this without losing sight of lightness.





## CENTAUR™ REAR DERAILLEUR

### HOW DO YOU FEEL TODAY?

THE 10-SPEED REAR DERAILLEUR OF THE CENTAUR™ GROUPSET IS SUITABLE BOTH FOR EXTREME AND FOR AMATEUR USE, THANKS TO THE **REDUCED WEIGHT** AND TO **OPERATING PRECISION**.

It is entirely made of aluminium alloy. The chain guide pulleys run on **sintered metal** bushes for longer life and low friction.



- aluminium body
- classic and functional look
- anti-vibrations rubber pulleys

## CENTAUR™ BRAKES

**LIGHTNESS AND POWER:** THIS IS WHAT YOU WANT.

Campagnolo® has replied with Centaur™ brakes with the **Skeleton structure** which make it possible to achieve lightness and braking power. And this is also thanks to the use of forged aluminium. The front and rear brakes are differentiated, with a **double and single fulcrum** respectively, in order to obtain the maximum braking power and limit the risk of seizing.

- forged aluminium arms
- Skeleton design
- differentiated brakes
- orbital adjustment





## RECORD™ PISTA™

The Record™ Pista™ groupset is a set of high-range components designed to excel in the velodrome.

It includes the crankset, hubs and bottom bracket. Three products designed exclusively for the specific needs of use on the track. The other components, such as seat posts, pedals and headsets have been borrowed directly from the Record™ road groupset.



## TIME TRIAL™

Racing against the clock. Every detail is critical. Nothing is left to chance. **Lightness and aerodynamics** are the keywords.

Campagnolo® dedicates various special components to time trials: bar-end controls, chainrings with oversized toothings and super-light brake levers in composite material.



## 2009 WHEELS

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THIS YEAR, IN ITS CONTINUOUS PURSUIT OF **ENHANCED PERFORMANCE**, CAMPAGNOLO® HAS TOUCHED THE **LIMIT OF PERFECTION**.

The quality of Campagnolo® wheels is guaranteed, as always, by painstaking manual assembly carried out by expert fitters using the strictest construction standards. **What is new**, on the other hand, regards the technologies applied to our wheels. The range is enhanced with the introduction of the **2-Way Fit™** tubeless tire and **Cult™** technology. By crossing our legendary skills with the technical avant-garde, we are able to offer you wheels of unequalled excellence.

### 2-WAY FIT™ TUBELESS & CLINCHER PROFILE

2-Way Fit™ is the new profile which makes it possible to fit **both a tubeless tire or a classic clincher**. The new rim profile lets you fit the valve for tubeless tires and normal clincher tires with the same efficiency. With 2-Way Fit™, Campagnolo® customers will be able to personally test which of the two solutions suits them best or use the clincher for training and the tubeless tire for the day of the race. There can be no doubt that tubeless is the future for on-road cycling tires. There are many advantages: using a tubeless tire you can exploit the greater smoothness due to the **absence of friction between the tires and the tube**. There are no risks of sudden deflation when a tubeless tire is punctured, a great advantage in safety terms. There is no risk of snake bites, as there is no tube to rupture. We guarantee the **perfect compatibility** of our tubeless rims even with normal clincher tires and tubes.

## ULTRA-FIT™ TUBELESS

The design we have employed for our rims using Ultra-Fit™ Tubeless technology allows the sidewalls of the tire to **mate perfectly** with the shoulders of the rim. In our tests Ultra-Fit™ Tubeless wheels far surpassed any other wheel fitted with a traditional tire.

All energy loss is eliminated by excluding all possible movement between the rim and the tubeless tire. Tubeless tires are exceptionally smooth and have less rolling resistance than traditional clinchers.





#### GERAMIC ULTIMATE LEVEL TECHNOLOGY

CULT™: Ceramic Ultimate Level Technology. Behind this new project is the exclusiveness of **Cronitect® steel**; using "Advanced by FAG" technology by Schaeffler Group employed for the bearing races. This is steel which takes **resistance to corrosion** to the highest level; to the point that no grease is required for lubrication, only a light film of oil. CULT™ is a solution that increases the **smoothness** of ceramic ball bearings and takes them to the next level.

Cronitect® steel for CULT™ ball bearings is a **Campagnolo® exclusive** for the next three years (for the cycling field).



## G3™

G3™ geometry: we have reinvented the wheel ... not just its look.

Campagnolo® has developed an assembly architecture which, compared with a traditional wheel, makes it possible to improve energy transfer, **reduce the stress** on the spokes on the right and **increase transverse rigidity**.

This is achieved because in G3™ geometry the right-hand side of the rear wheel is fitted with twice as many spokes as the left.

The results of G3™ system are truly extraordinary: better transfer of the driving torque, better lateral rigidity, reduction of the stress in the rear wheel spokes.





## LOW-PROFILE WHEELS

Long demanding ascents, nery paces, continuous restarts. When the weight of the rotating mass is the first parameter to keep as low as possible, the ideal wheel is a low-profile Campagnolo® one.

It has the beauty of designs which are elementary and natural while being geometrical too.

These wheels guarantee the right balance between **lightness, effectiveness of torque transmission and absorption of the vibrations from the road surface.**

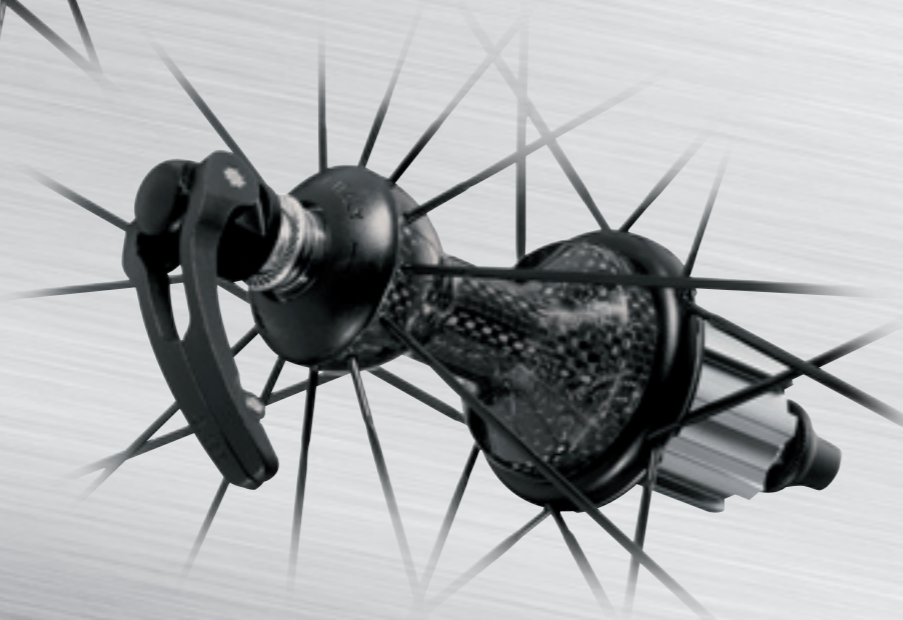
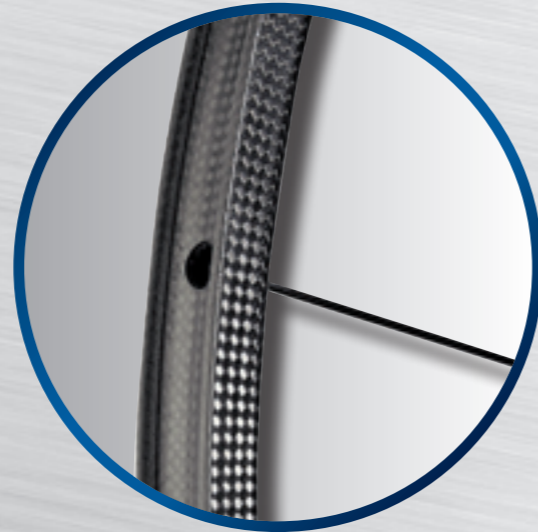
## HYPERON™ ULTRA™ TWO TUBULAR

The first wheel **entirely made of carbon fibre** shipped from the Campagnolo® works, the lightest in our range and one of the lightest worldwide in absolute terms.

Unlike other products on the market, thanks to the shrewd use of carbon fibre, the correct lamination layout and the advanced polymerization technology, Hyperon™ Ultra™ Two ensures a greater fatigue life working cycle than that of light-alloy wheels. Today these wheels also adopt the new **CULT™ bearings technology** which guarantees incredible smoothness and long life for the ceramic bearings.



- asymmetrical rear rim
- variable section stainless steel aero spokes
- carbon hub bodies
- cup and cone bearings with CULT™ technology
- special brake pads





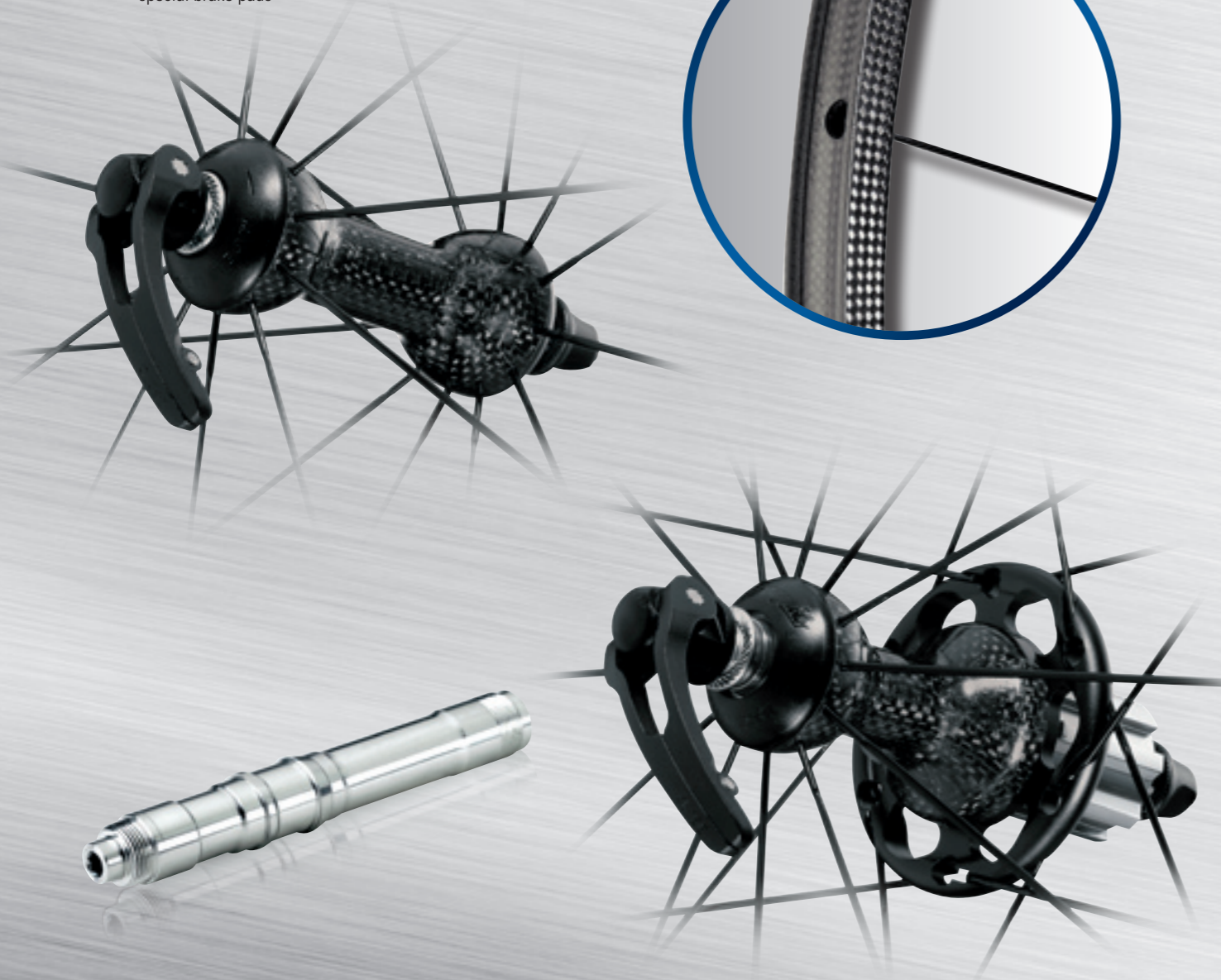
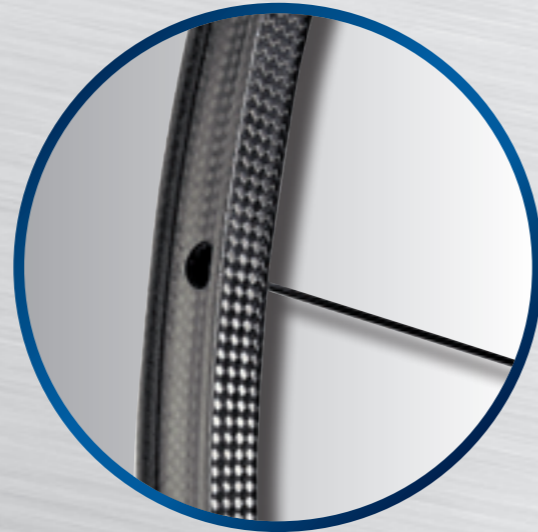
## HYPERON™ ULTRA™ TWO CLINCHER

Designing a carbon fibre clincher rim capable of keeping the tire's anchoring bead in place: many manufacturers draw back from the challenge ... but Campagnolo® won it. The same performance as the tubular model can be found in this clincher version. As with the tubular version, we use the new **CULT™ bearing technology** which guarantees incredible smoothness and long life for the ceramic bearings.

The lightness is excellent too: Hyperon™ Ultra™ Two is **200 grams below** the average for the best aluminium alloy wheels.



- asymmetrical rear rim
- variable section stainless steel aero spokes
- carbon hub bodies
- aluminium right-hand rear flange
- cup and cone bearings with CULT™ technology
- special brake pads



## NEUTRON™ ULTRA™

This version of the Neutron™ has an **extremely low weight** you must feel it to believe it. The secret? Precise dimensioning of the walls and top bridge of the rim and the spectacular **carbon fibre hubs**. Neutron™ Ultra™ is synonymous with great reliability, resistance to lateral flex when off the saddle, and excellent sprinting response.



- polygonal rim
- rear rim with asymmetrical drilling
- milled rims on the lower bridge
- variable section stainless steel aero spokes
- carbon and aluminium hub bodies



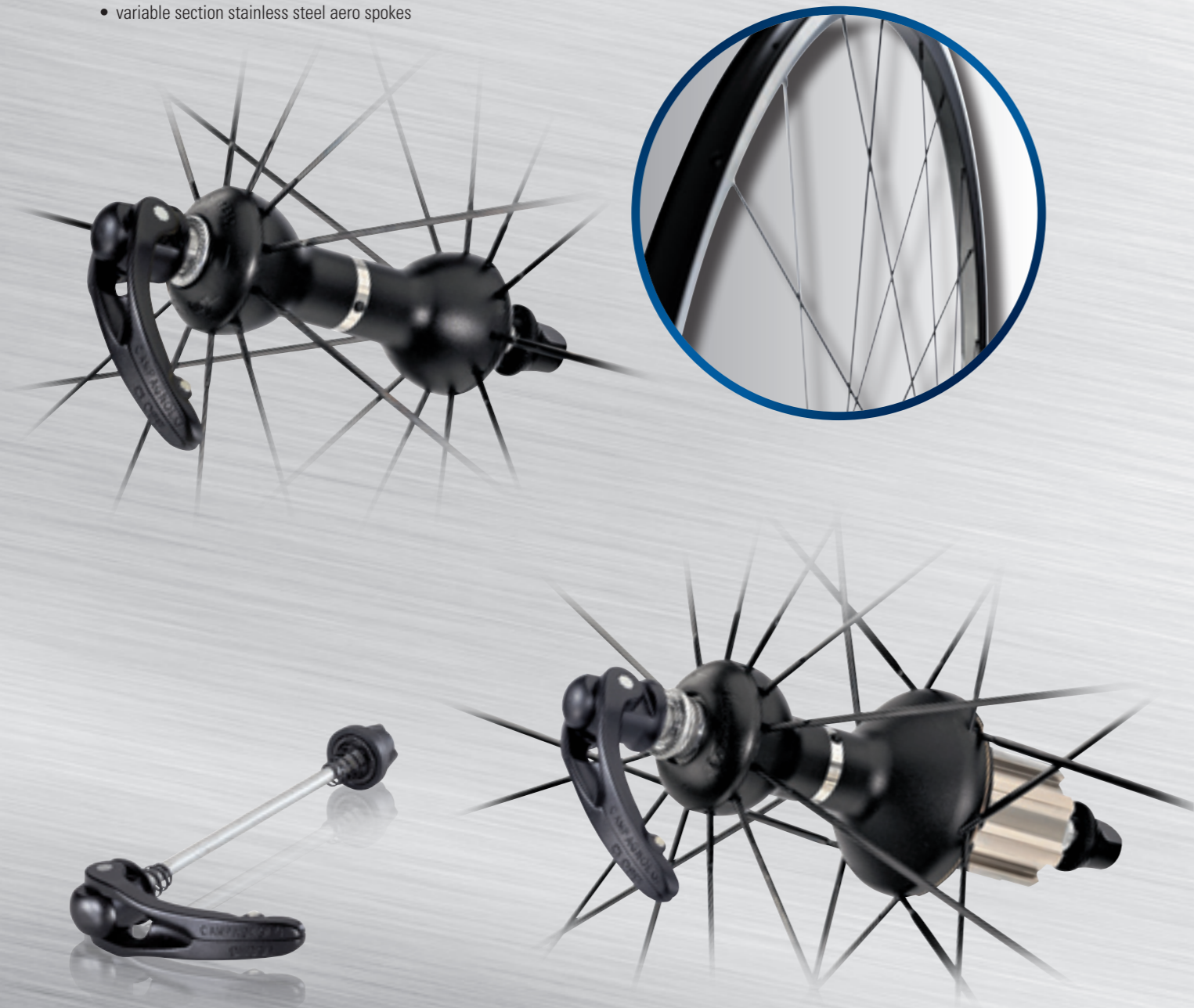
## NEUTRON™

It isn't a time trial on the hills or a century ride without Neutron™. The profile has been optimized to increase **resistance to lateral flex**. The hubs used by the Neutron™ run on adjustable 15-ball **precision bearings**.

Furthermore, the rear rim is drilled asymmetrically to permit recovery of the difference of the spoke tension on the left-hand side compared with the right.



- polygonal rim
- rear rim with asymmetrical drilling
- variable section stainless steel aero spokes





## MEDIUM-PROFILE WHEELS

When you need a wheel whose main aim is multi-purpose use, that wheel needs to be a medium-profile Campagnolo®.

Our mid-range features the **exclusive G3™ spoking** which has been shown in laboratory tests to have greater torsional and flexural strength.

This year with the traditional range of medium profile wheels we proudly introduce the **new 2-Way Fit™ version** in two models: Shamal™ Ultra™ 2-Way Fit™ and Eurus™ 2-Way Fit™.

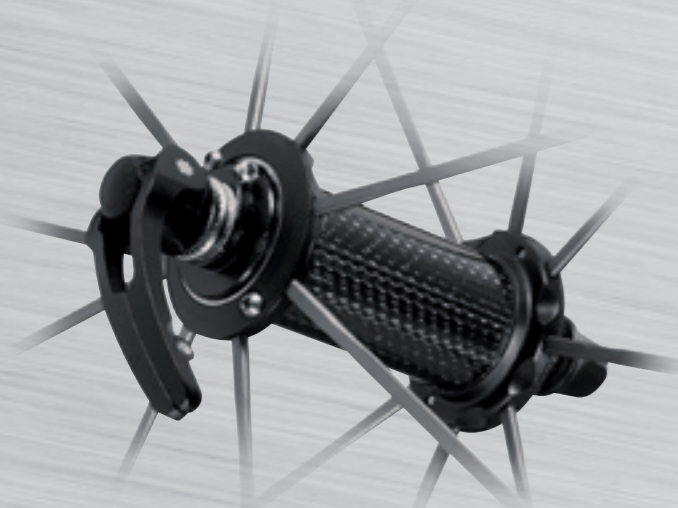
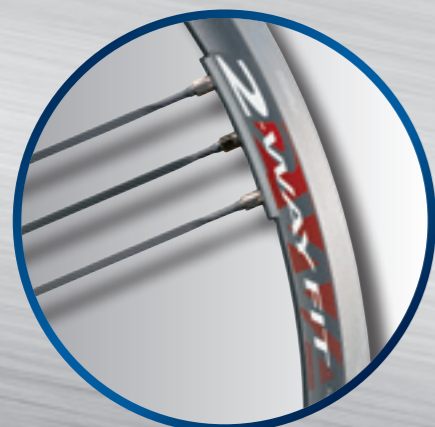
You will always be able to **increase the performance** of your bicycle with wheels in the 2-Way Fit™ line by exploiting the greater smoothness of the tubeless technology. But with 2-Way-Fit™ it will always be possible in any case to fit traditional clincher tires with tubes too.

## SHAMAL™ ULTRA™ 2-WAY FIT™

Over the years the Shamal™ name has become a **symbol** of Campagnolo® wheels. In this **new version**, which joins the model already present, our Shamal Ultra™ wheels are enriched by **2-Way Fit™ technology** which makes it possible to fit valves for tubeless tires or normal clinchers with the same effectiveness. Using a tubeless tire you can exploit the greater smoothness due to the **absence of friction between the tires and the tube**. Thanks to the **Ultra-Fit™ profile** of the rim, the adherence with the tire is perfect and any possibility of movement between the two parts is eliminated. The lightness is remarkable thanks to the use of materials such as carbon fibre and light alloy.



- rim with tubeless Ultra-Fit™ profile
- 2-Way Fit™ technology
- rim lightened with "titanium" finish
- aluminium alloy and composite hubs
- variable section aluminium spokes: 16 front and 21 rear
- differentiated front and rear rims



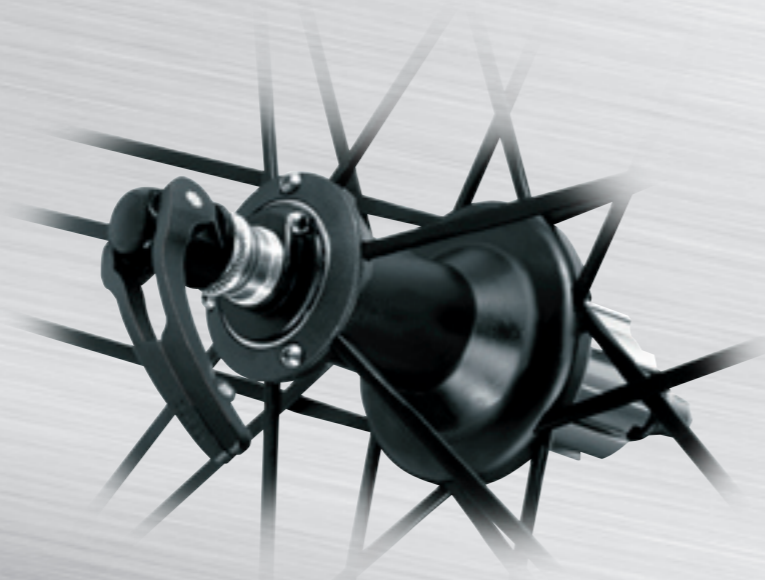
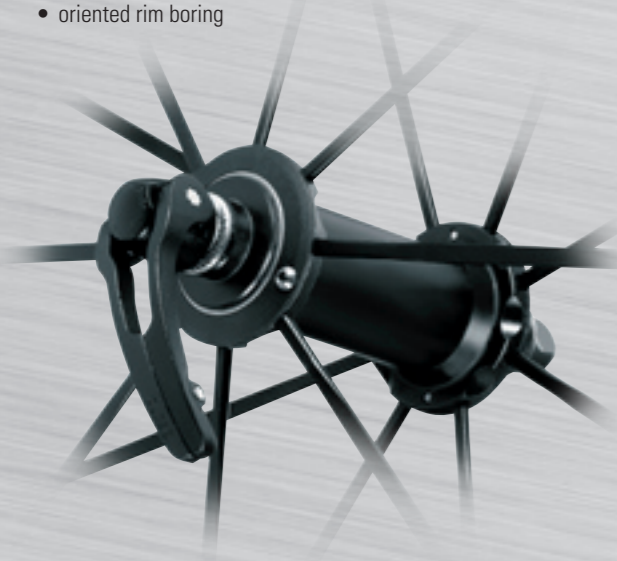
## EURUS™ 2-WAY FIT™

With their black finish on the rims and hubs, Eurus™ wheels are the **most aggressive looking** in the aluminium range. For 2009 we have also introduced **2-Way Fit™** technology which allows you to fit tubeless or standard clincher tires.

The use of tubeless tires reduces the risk of punctures and improves comfort but, above all, improves smoothness as most of the friction at tire level is eliminated. The rim also employs **Ultra-Fit™ Tubeless** technology which ensure a perfect tire seat on the rim.



- light alloy rims and hubs
- variable section aluminium spokes with an aerodynamic profile
- tubeless compatibility with Ultra-Fit™ Tubeless and 2-Way Fit™ technology
- differentiated front and rear rims
- G3™ spoking for the rear wheel
- oriented rim boring

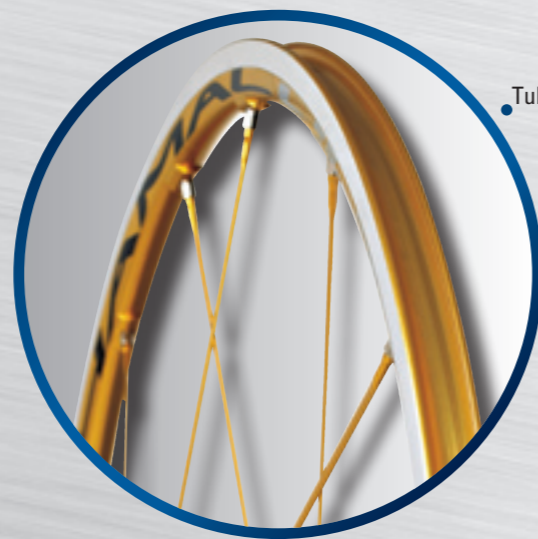


## SHAMAL™ ULTRA™

The concept is fixed, the passion moves. Shamal™ embodies this synergy. The Ultra™ version incorporates **all the most important innovations developed by Campagnolo®**. **The central body** of the hubs is made of **carbon** and the flanges are in aluminium. **Toroidal grinding** which extends from one spoke anchorage to the next helps to lighten the rims. Shamal™ Ultra™ wheels are available in the tubular or clincher Gold versions, or in the clincher-only Titanium version.



- rim with toroidal milling
- variable section aluminium aero spokes
- selected rims
- aluminium nipples
- carbon-aluminium hub bodies



Tubular



## EURUS™

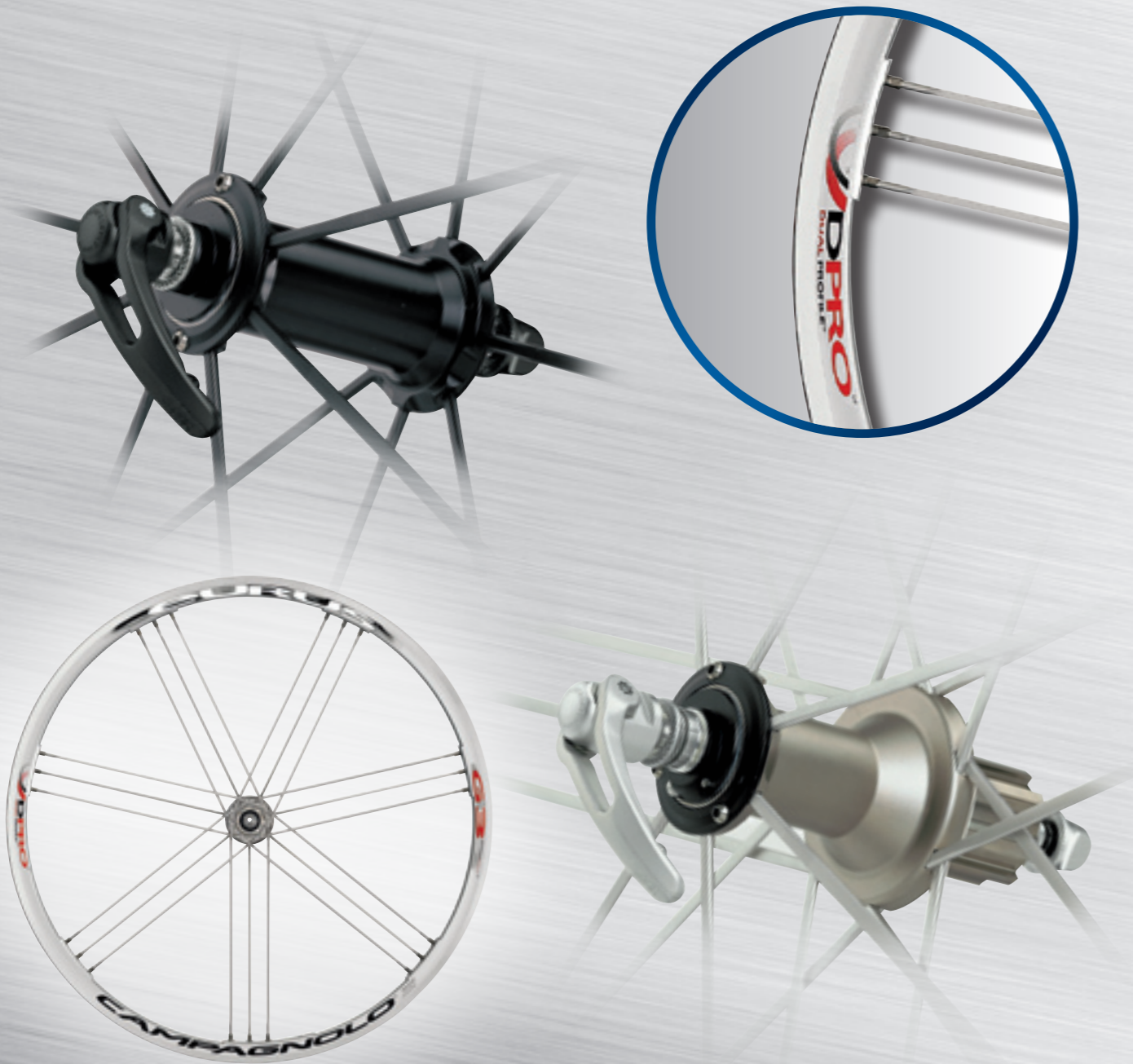
Light weight, yet durable: weighing in at only **1550 grams**.

Eurus™ is the best solution for tackling an ascent.

The **toroidal grinding** operations carried out between the spoke insertion points contribute to achieving this lightness. The **undrilled top bridge** allows use without rim tape, just a few grams, but saved in the perimeter where every gram counts.



- rim with toroidal milling
- variable section aluminium aero spokes
- oversize right-hand rear flange





## ZONDA™

Fighting spirit and technique are the elements behind the Zonda™.

This wheel develops the idea of the **differentiated rim profile**.

This solution gives the front wheel all the response of a **light and steerable rim** and the rear wheel all the **radial rigidity** necessary for effectively transferring the torque generated by the rider: the maximum in terms of performance and reliability.

Furthermore, both rims have a top bridge without holes, a feature that makes it possible to do without rim tape.



- milled rim
- aero stainless steel spokes
- oriented spoke holes



## SCIROCCO™

A reliable wheel at an attractive price: that's how Scirocco™ won over enthusiasts looking for an excellent quality-price ratio.

**G3™ spoking** for the rear wheel and radial G3™ for the front.

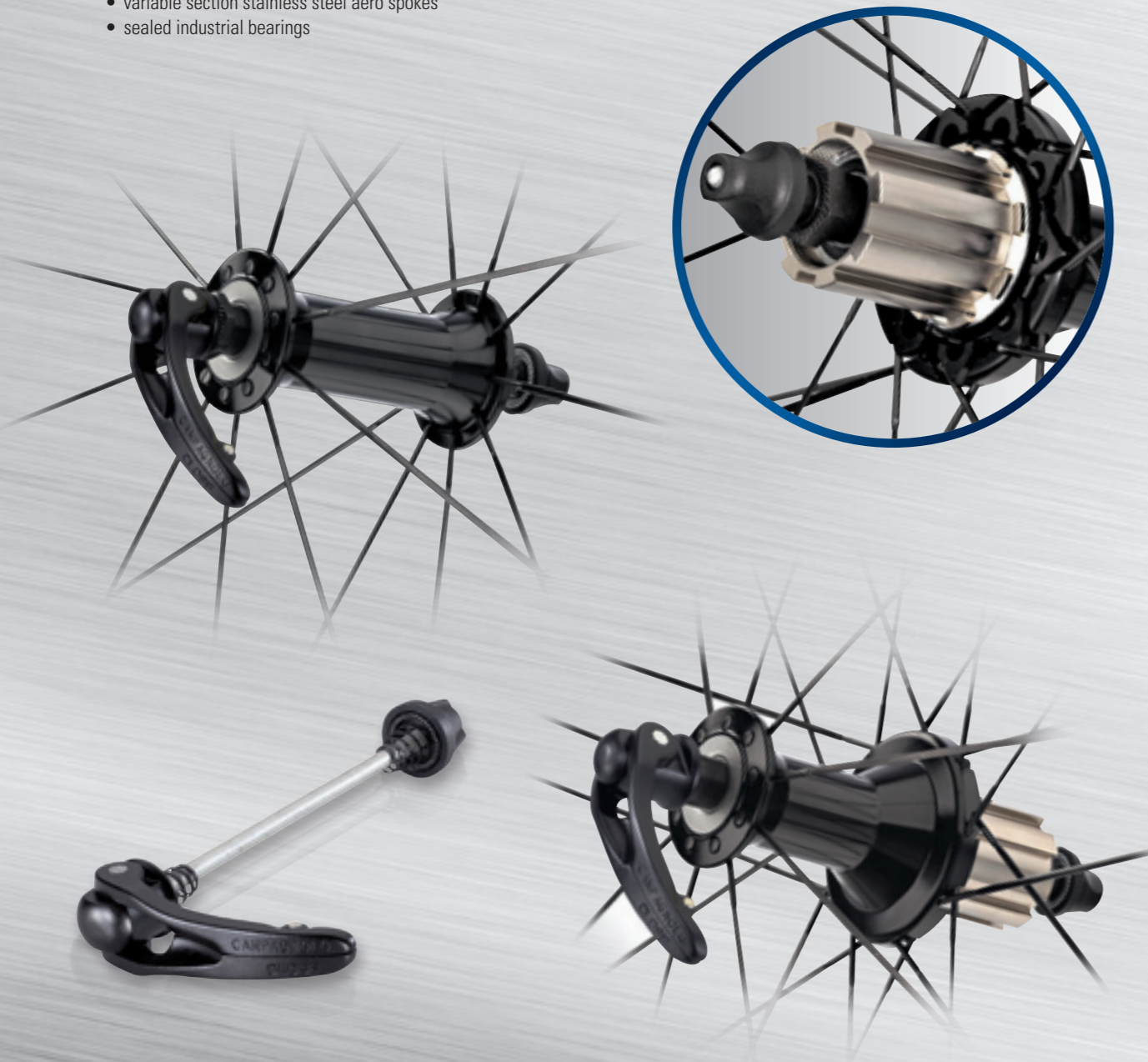
Special spokes are positioned opposite the rim joint to balance the flywheel effect and thereby obtain **dynamic balancing** of the wheel.

Finally, the wheels are provided with **hubs with an oversize body** and high-precision ball bearings while the freewheel body is the monolithic type.

Model available in black version.



- machined sides
- variable section stainless steel aero spokes
- sealed industrial bearings



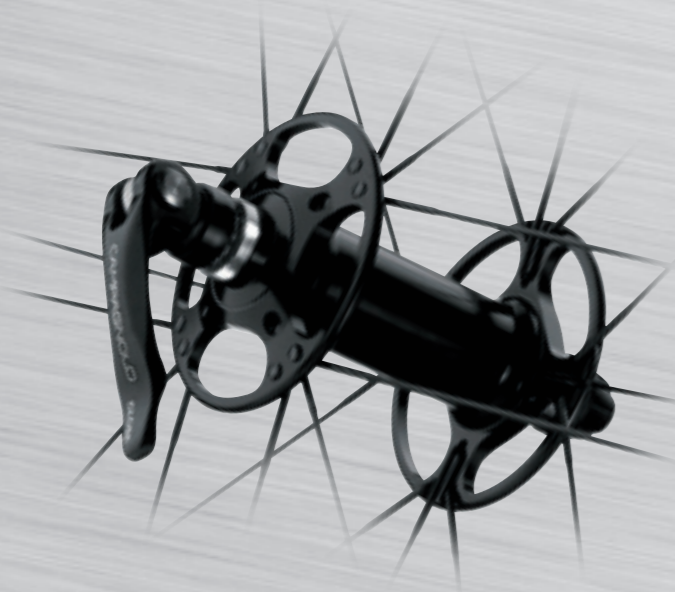
## VENTO™ REACTION™

We have renewed the Vento™ wheels by transforming them into Vento™ Reaction™. Now they are even more competitive thanks to the **increase in strength and rigidity of the rear wheel**. We worked on the flange size to achieve this result. The larger diameter makes the wheel more reactive and it focuses all the power from the drivetrain onto the ground. The wheel is even more stable with the lateral stress components.

Vento™ Reaction™ wheels are perfectly balanced thanks to **two special spokes** which compensate the weight of the rim junction point and render them ideal on any track.

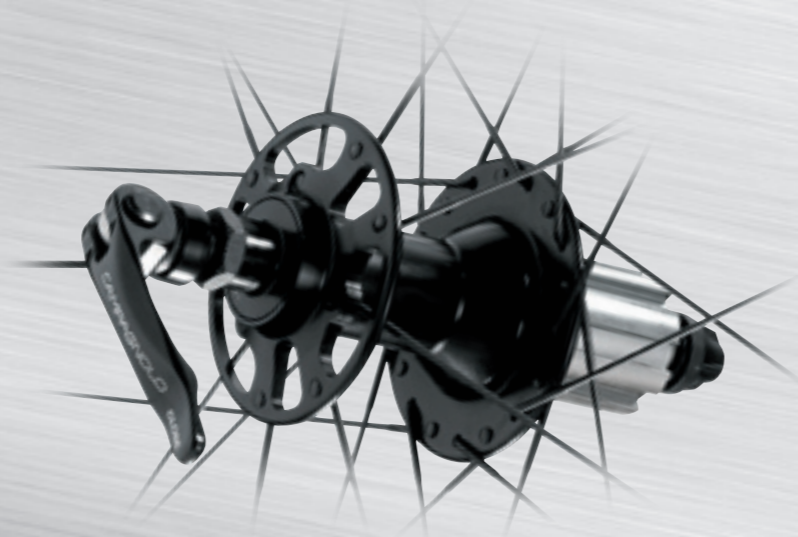


- hubs with oversize flanges
- G3™ spoking
- spokes with differentiated section



### NEW QUICK RELEASE

Easier to use, the new quick release utilizes a **Symmetric Action™** system, even safer today.



## KHAMSIN™

These are the Campagnolo® entry level wheels in the medium profile framework, intended for everyday use but also for the first competitions.

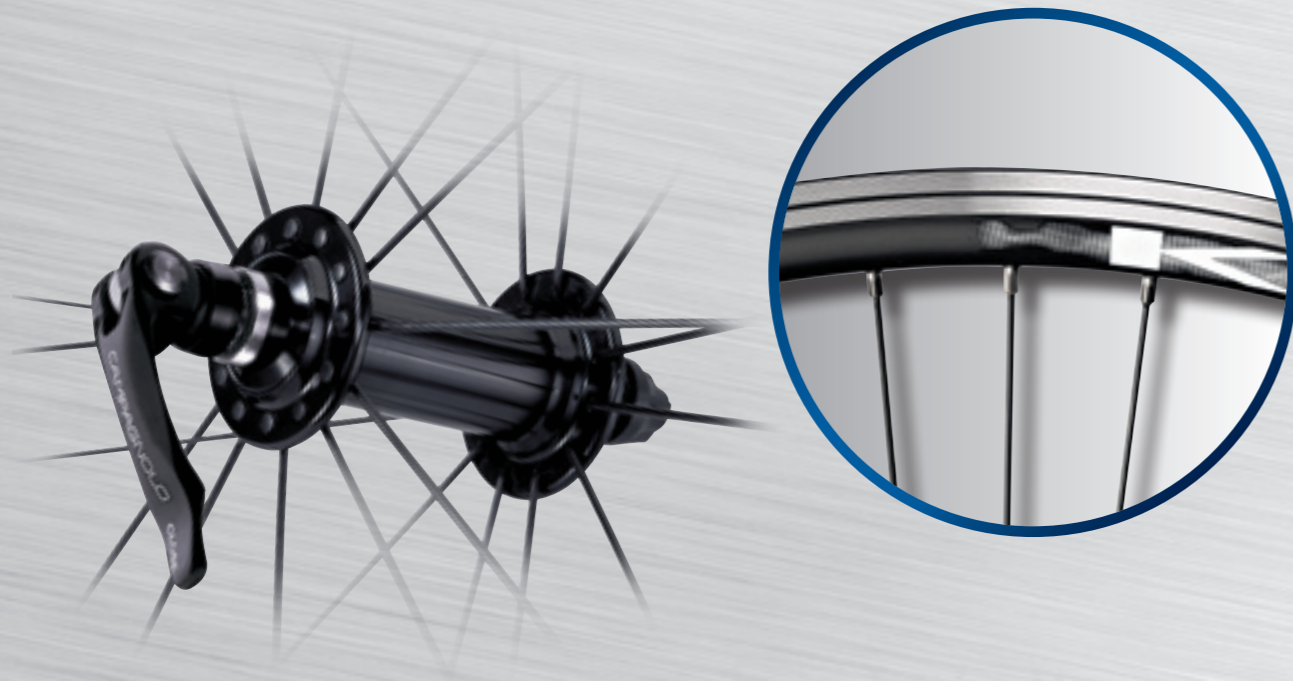
The braking track on the rim is marked by the **wear indicator** which runs along the entire friction surface.

The wheel's architecture is based on **G3™ geometry**.

From this year Khamsin™ wheels are fitted with **new quick releases** and are available in black.



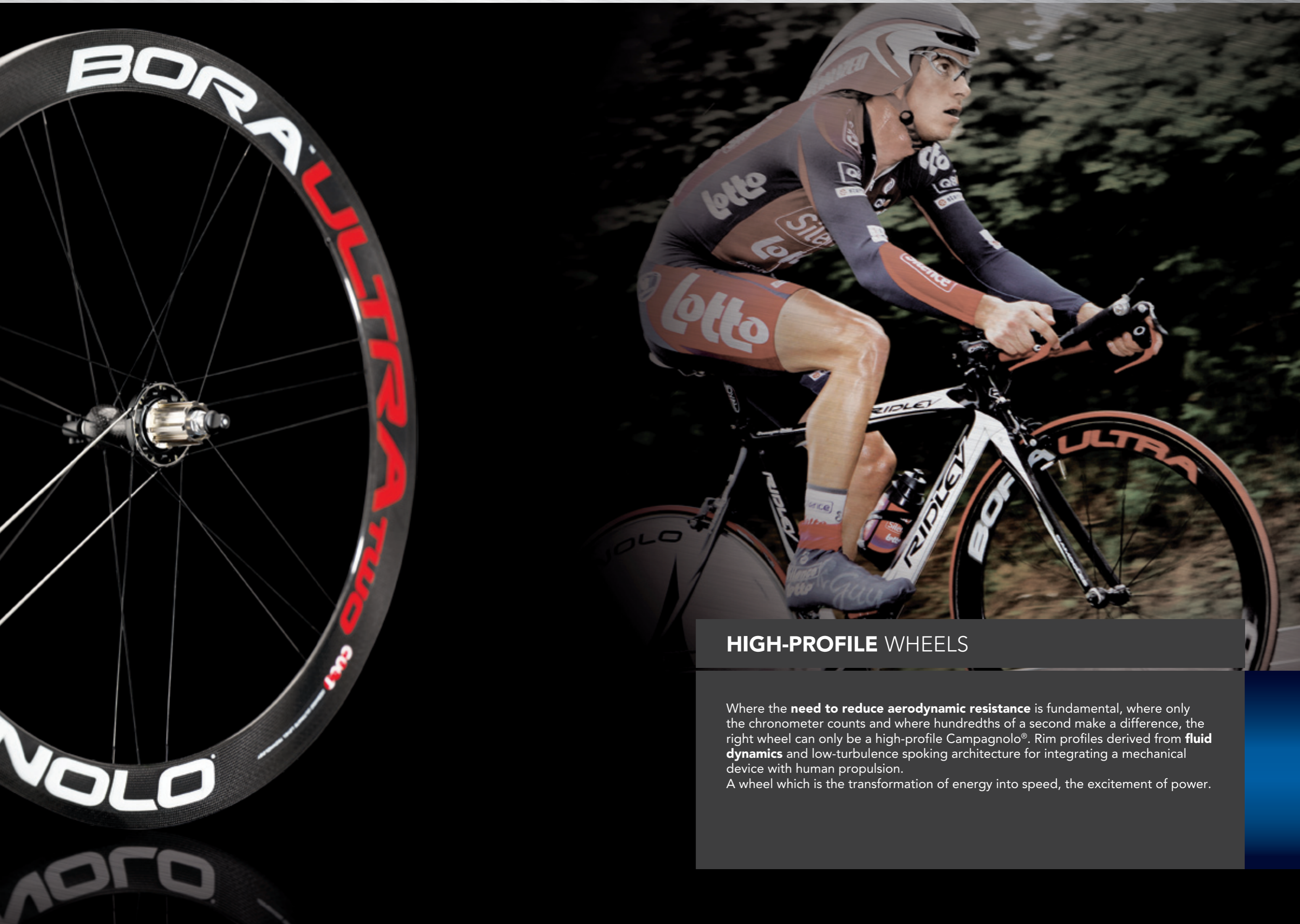
- stainless steel spokes
- sealed industrial bearings



### NEW QUICK RELEASE

Easier to use, the new quick release utilizes a **Symmetric Action™** system, even safer today.





## HIGH-PROFILE WHEELS

Where the **need to reduce aerodynamic resistance** is fundamental, where only the chronometer counts and where hundredths of a second make a difference, the right wheel can only be a high-profile Campagnolo®. Rim profiles derived from **fluid dynamics** and low-turbulence spoking architecture for integrating a mechanical device with human propulsion.

A wheel which is the transformation of energy into speed, the excitement of power.

## BORA™ ULTRA™ TWO

For a race against time ... Bora™ Ultra™ Two™ is the must-have for specialized professional use and those looking for that extra competitive edge. These wheels have been conceived for those looking for the **maximum aerodynamic performance**, in time trials and in triathlon.

Critical in this context is the imposing **50 mm rim with a wing profile** calculated on the basis of the dictates of fluid physics.

High performance is also obtained from the hubs, made of structural carbon fibre with variable sections and spherical surfaces with Record™ class mechanics. Plus, from this year our exclusive CULT™ technology is taking the extraordinary performance of Bora™ another step higher. And finally, total restyling from the graphic point of view.



- variable section stainless steel aero spokes
- rear hub with oversize right-hand flange
- carbon hub bodies
- cup and cone bearings with CULT™ technology
- special brake pads



## GHIBLI™ ULTRA™

Nothing but a time trial between you and glory. The Ghibli™ Ultra™ will help you overcome the challenge and put you on the podium.

You cannot hide yourself in time trials; there is no group to draft behind and catch your breath.

Ghibli™ Ultra™ wheels feature totally unique designs and geometries: the convex lens profile typical of these wheels makes it possible to achieve ideal airflow passage on the sides by generating **minimum aerodynamic resistance**. The rigidity is obtained by using a tensile **structure made of aramidic fibre** derived from aerospace technology.

Aerodynamics and rigidity are at the maximum levels to help force all the power you can generate into the wheel.

Ghibli™ Ultra™ wheels present an attractive new graphic and adopt the new CULT™ technology for the road version.



- aramidic fibre tensile structure
- aluminium hub bodies
- cup and cone bearings with CULT™ technology (for the road version)



Road



Pista

## PISTA™

A noble and fascinating specialty with an exclusively specific feature: the transformation of the explosive power of the quadriceps of top track cyclists into pure speed, with the minimum possible waste of energy. The rim with a height of 38 mm has been designed to **maximize rigidity and radial flex and torsional strength**. This task is also aided by the spoking, composed of 20 spokes in the front wheel and 24 in the rear, made of stainless steel with an aerodynamic profile and aluminium nipples.



- aero aluminium rim
- aero stainless steel spokes





# TECHNICAL SPECIFICATIONS

## **GROUPSETS**

- 114** | SUPER RECORD™
- 117** | RECORD™
- 120** | CHORUS™
- 122** | CENTAUR™
- 124** | VELOCE™
- 126** | PISTA™
- 127** | TIME TRIAL™
- 128** | COMP TRIPLE™

## **WHEELS**

- 130** | LOW-PROFILE
- 132** | MEDIUM / HIGH-PROFILE