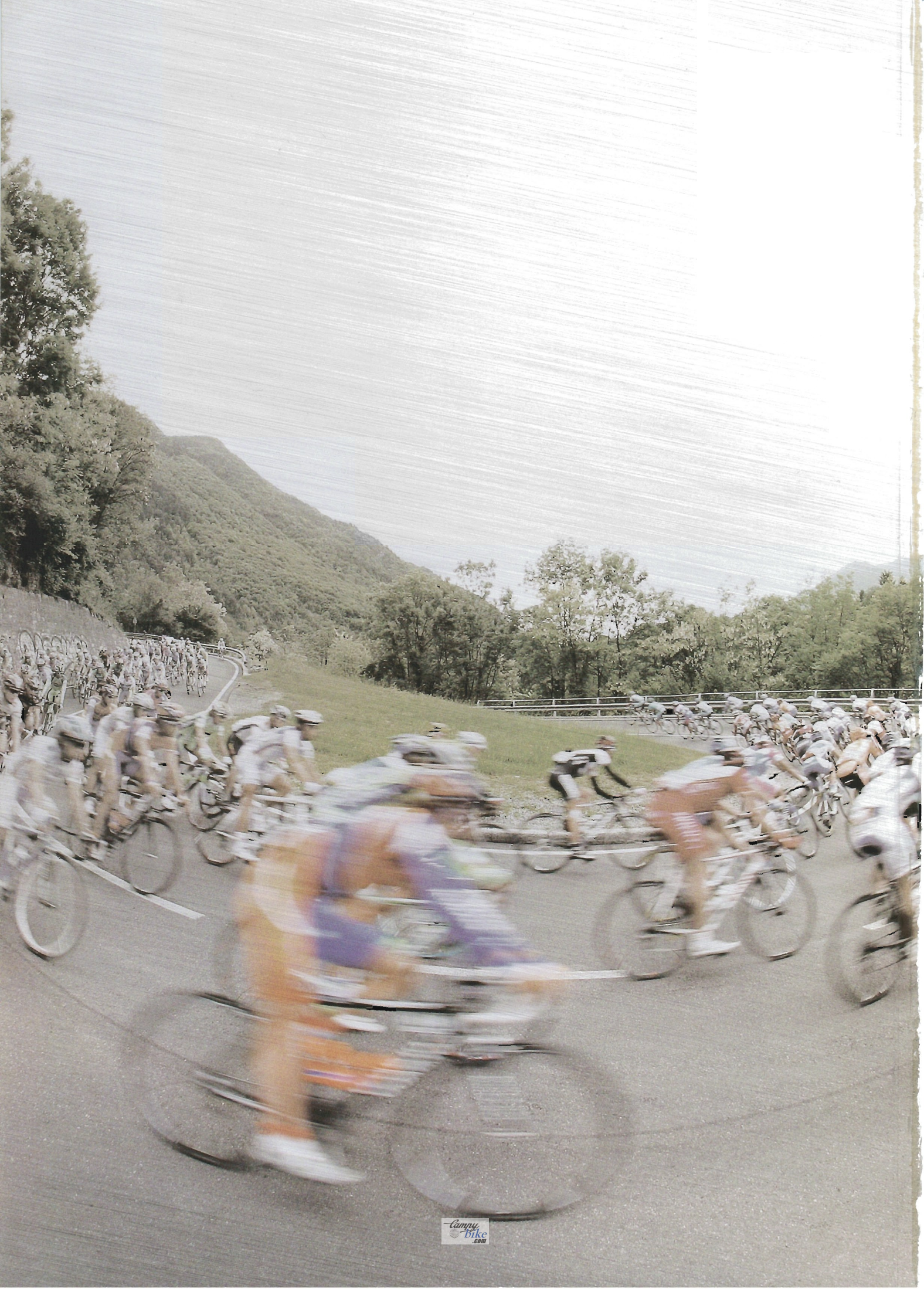


The Campagnolo logo is written in a white, elegant script font on a dark blue rectangular background. The background of the entire page is a repeating pattern of stylized, overlapping leaf or petal shapes in a light gray color.

*Campagnolo*

**2009**  
TRADE CATALOGUE







# INDEX

10		COMPONENTS TECHNOLOGY
22		SUPER RECORD™
32		RECORD™
40		CHORUS™
50		CENTAUR™
58		VELOCE™
66		RECORD™ PISTA™
68		TIMETRIAL™
70		TRIPLE™
74		WHEELS TECHNOLOGY
78		LOW-PROFILE WHEELS
88		MEDIUM-PROFILE WHEELS
106		HIGH-PROFILE WHEELS
114		TECHNICAL SPECIFICATIONS - GROUPS
130		TECHNICAL SPECIFICATIONS - WHEELS
138		HOW WE WORK
142		CAMPAGNOLO® IN THE WORLD
143		CAMPAGNOLO® SERVICE CENTER







# CAMPAGNOLO® FUTURE BOND

CAMPAGNOLO® HAS CELEBRATED THE 75TH ANNIVERSARY OF ITS FOUNDATION WITH A VERY CLEAR MESSAGE:  
**RAISE THE LEVEL!**

It was 1927 during the ascent of Croce d'Aune Pass that Tullio Campagnolo found himself in great difficulty when he tried to take off the rear wheel to change the gear ratio. The legend tells us that he said: **"Something has to be changed back there"**. And so with farsightedness he patented his fast release in 1929.

THEN IN 1933 HE FOUNDED  
CAMPAGNOLO®.  
**A BRAND CONCEIVED BY A  
SPORTSMAN FOR SPORTSMEN.**

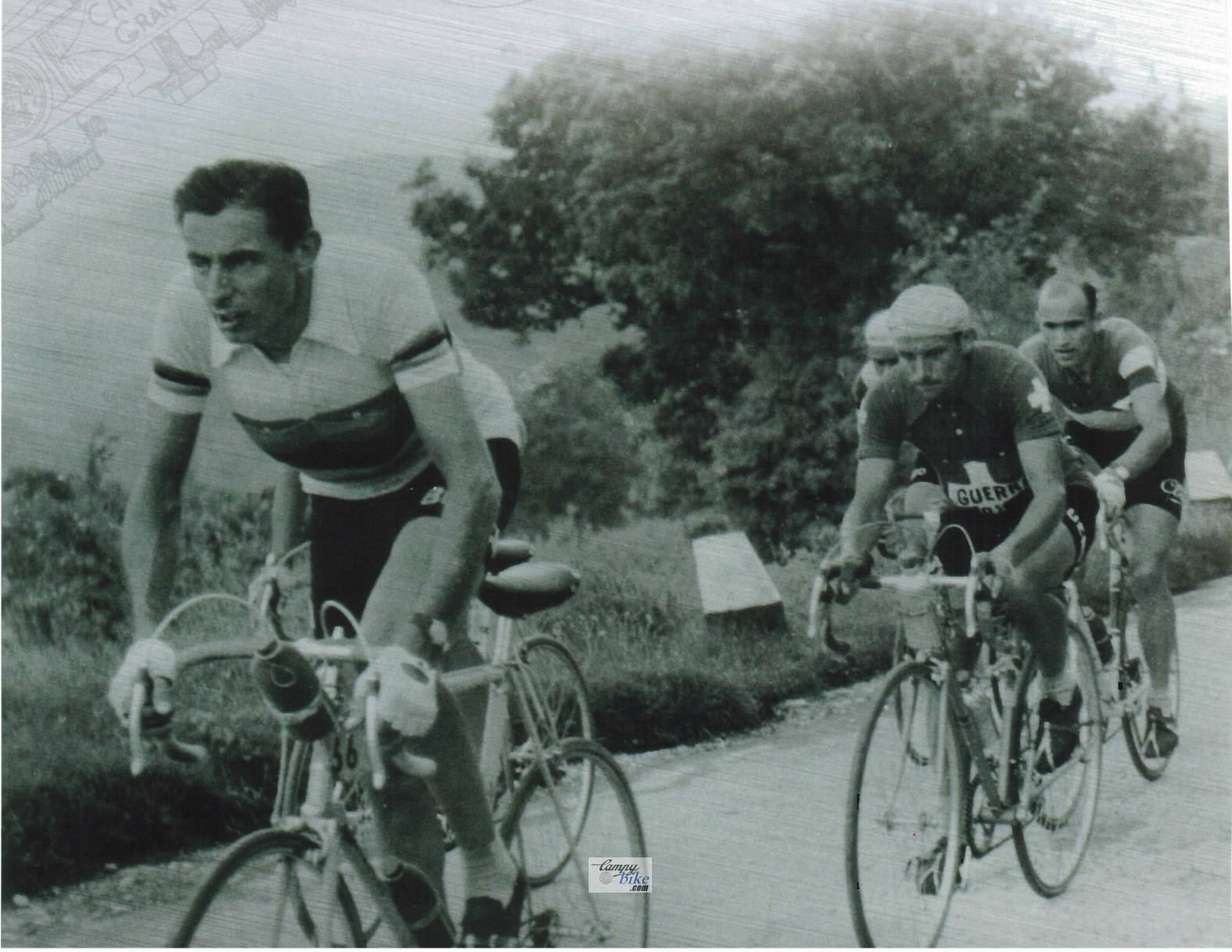




75 YEARS HAVE PASSED AND CAMPAGNOLO® CONTINUES TO CREATE PRODUCTS FOR THE EXTREMELY **HIGH STANDARDS** OF PROFESSIONALS, RAISING THE **QUALITY, TECHNOLOGY AND DESIGN** LEVELS EVERY YEAR.

**Raising the level** means just this: our continuous and determined striving towards innovation, intended as a necessary thrust towards the future.

The driver for Campagnolo®'s success is rooted in the company's energy, intended as its innovative power and its ability to dictate trends in technical solutions, materials and technologies: always being the first in the ascent, overcoming fatigue and foretasting the descent.



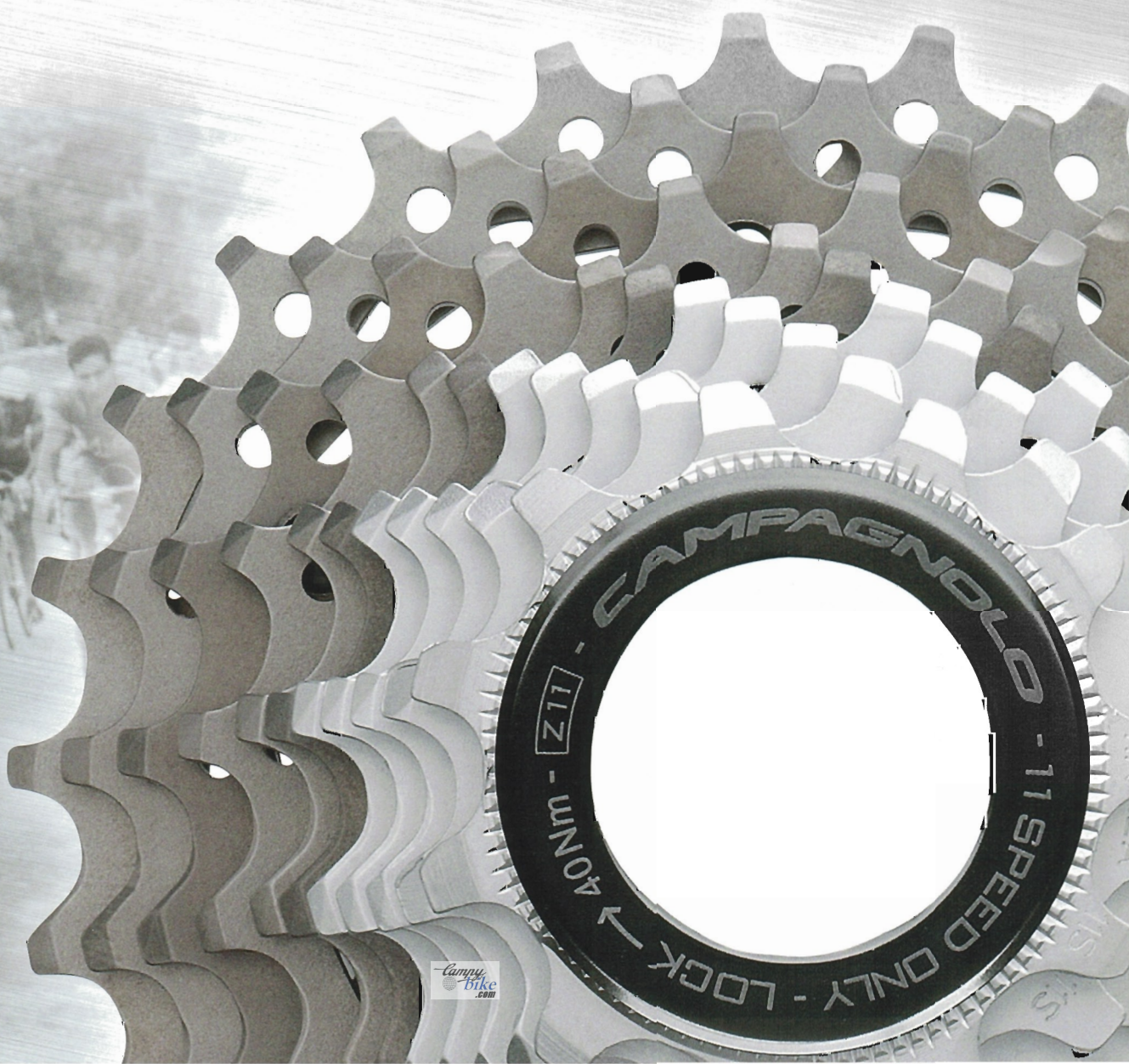
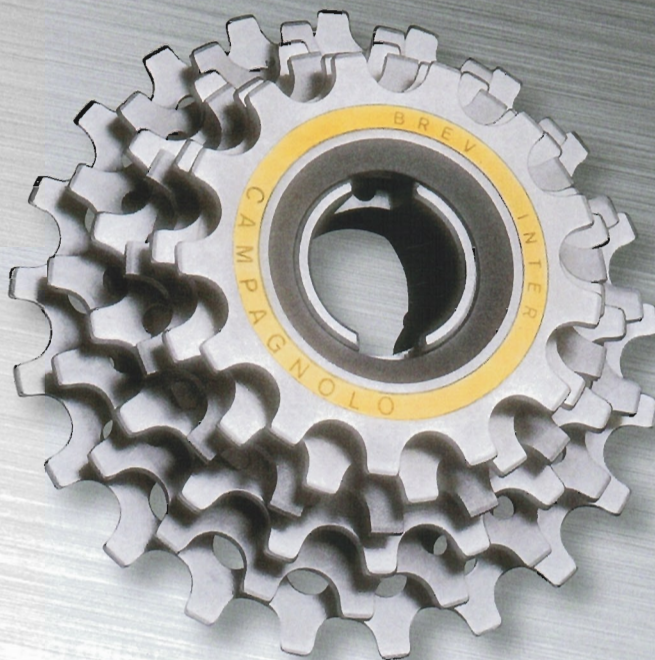


OUR WHOLE CREATIVE AND  
INNOVATIVE DRIVE CAN BE SUMMED UP  
IN A SIMPLE PHRASE:

**DO BETTER TODAY WHAT YOU DID  
YESTERDAY; AND DO WHAT SEEMED  
IMPOSSIBLE YESTERDAY.**



**1983**  
50<sup>th</sup> ANNIVERSARY





## PRO-TEAMS 2008

**RACES ARE OUR TEST BENCHES AND OUR SEVEREST TESTERS ARE THE PROFESSIONAL CYCLISTS.**

IT IS ONLY AFTER SUBJECTING EVERY SINGLE COMPONENT TO THE TOUGHEST TESTS, FIRST OF ALL IN THE LAB AND THEN ON THE ROAD, THAT WE MAKE IT AVAILABLE TO THE PUBLIC.

We assess the effectiveness of our solutions with the riders: it is they who help us to "adjust our aim" to obtain **the maximum** from every component.

A professional race is a very tough exam: there are so many hours of use in weather conditions which are different and often difficult. But only in this way can we be sure that our Campagnolo® components will ensure you the **maximum reliability**.

And the **teams** Campagnolo® collaborates with are the **most important** ones.

A series of teams which year by year has been enriching a war chest that grows by the day.

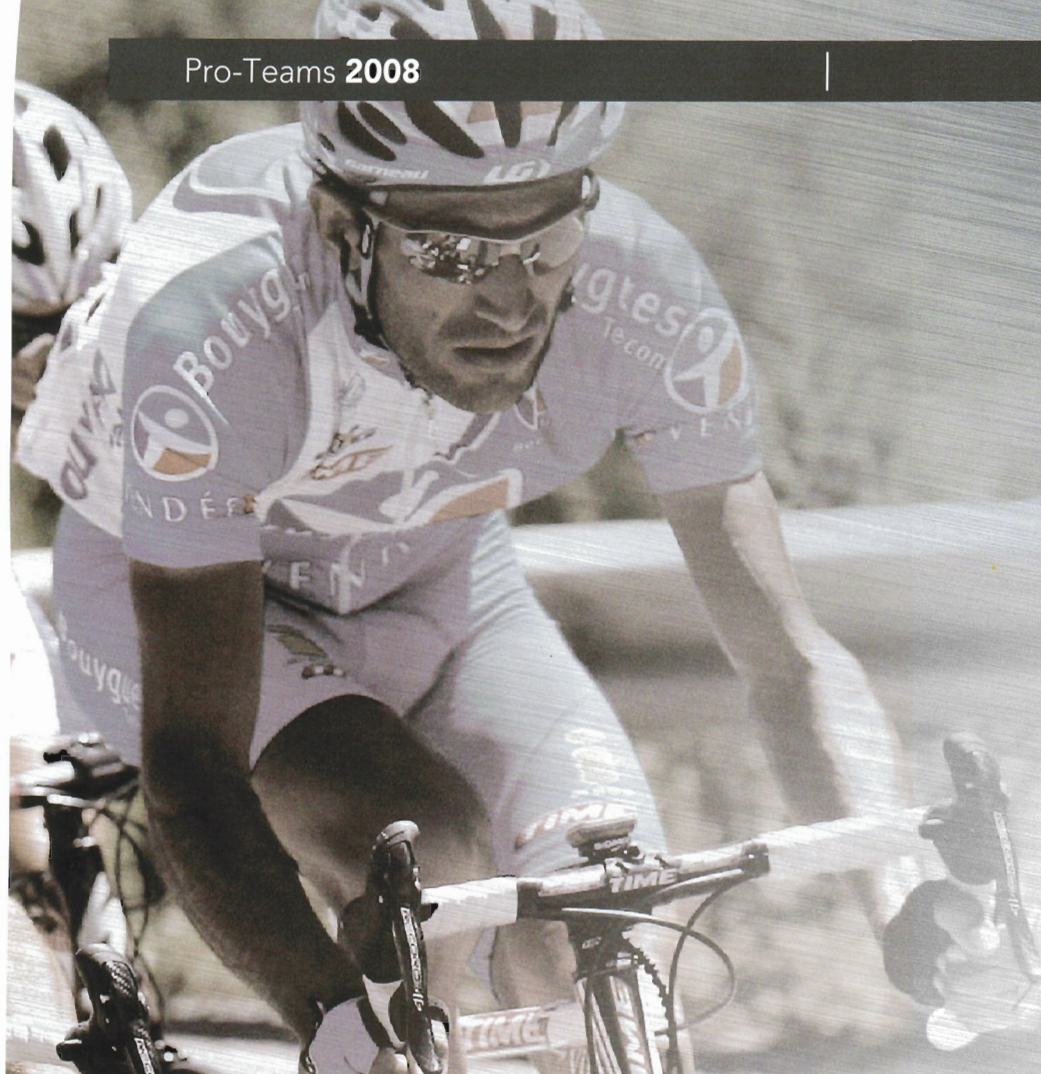












2008 PRO-TEAMS	BICYCLE BRAND	COUNTRY TEAM
Liquigas	Cannondale	Italy
Lampre-Fondital	Wilier Triestina	Italy
LPR	De Rosa	Italy
G.S. CSF Group Navigare	Colnago	Italy
Acqua e Sapone	De Rosa	Italy
Cofidis	Time	France
Bouygues-Telecom	Time	France
Quick-Step Innergetic	Specialized	Belgium
Silence - Lotto	Ridley	Belgium
Topsport-Vlaanderen	Merckx	Belgium
Caisse d'Epargne	Pinarello	Spain
Collstrop	Canyon	Germany
Jelly Belly	GT Bicycles	USA
BMC Usa Team	BMC Usa	USA
Rock Racing	De Rosa	USA
Nippo	Colnago	Japan
Aisan Racing Team	Pinarello	Japan
G.S. Tinkoff	Colnago	Russia



THE AIM WAS THE SAME FOR ALL OUR PROJECTS: **INCREASE PERFORMANCE**. THIS IS BECAUSE WE KNOW THAT THOSE WHO CHOOSE CAMPAGNOLO® DEMAND FLAWLESS HIGH-PERFORMANCE PRODUCTS AND ONLY LOOK FOR THE BEST FOR THEIR BIKE. YOU CAN SEE THE RESULTS OF **EVOLUTION, DEDICATION AND THE SEARCH FOR PERFECTION** FOR YOURSELF IN THE NEW 2009 RANGE.

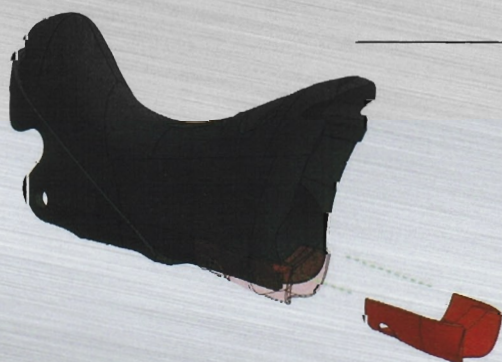
## NEW ERGPOWER™ ULTRA-SHIFT™ CONTROLS

The time has come to **turn the corner**. Faithfully following the tradition and emerging ourselves in innovation, we worked simultaneously on several fundamental factors to guarantee that you'll get **unprecedented results**.

### ERGONOMICS

The design of the support **follows your hands perfectly**.

We have reproduced the asymmetry of the human hand on the body of control, increasing the contact area with the palm and making different resting positions possible. We have also envisaged an extra, high grip, position for long distances.



### COMFORT

The levers are easier to reach with the new form. We have also thought of those who have large hands: **a special insert** can increase the lever distance by 8%.

The density of the shock absorber which envelops the body of the control is differentiated and it is elastic, non-allergic and absorbs vibrations. Furthermore, it is not affected by temperature differences and does not deteriorate under the action of UV radiation.

The passage of the cables does not give rise to uncomfortable bulges at the control exits.



### No-Bulge™ technology:

- no annoying bulge under the handlebar tape
- the sheaths disappear inside special seats



**New multi-density Vari-Cushion™ hood:**

- greater softness in the palm support area
- greater rigidity in the gripping area

**EFFICIENCY**

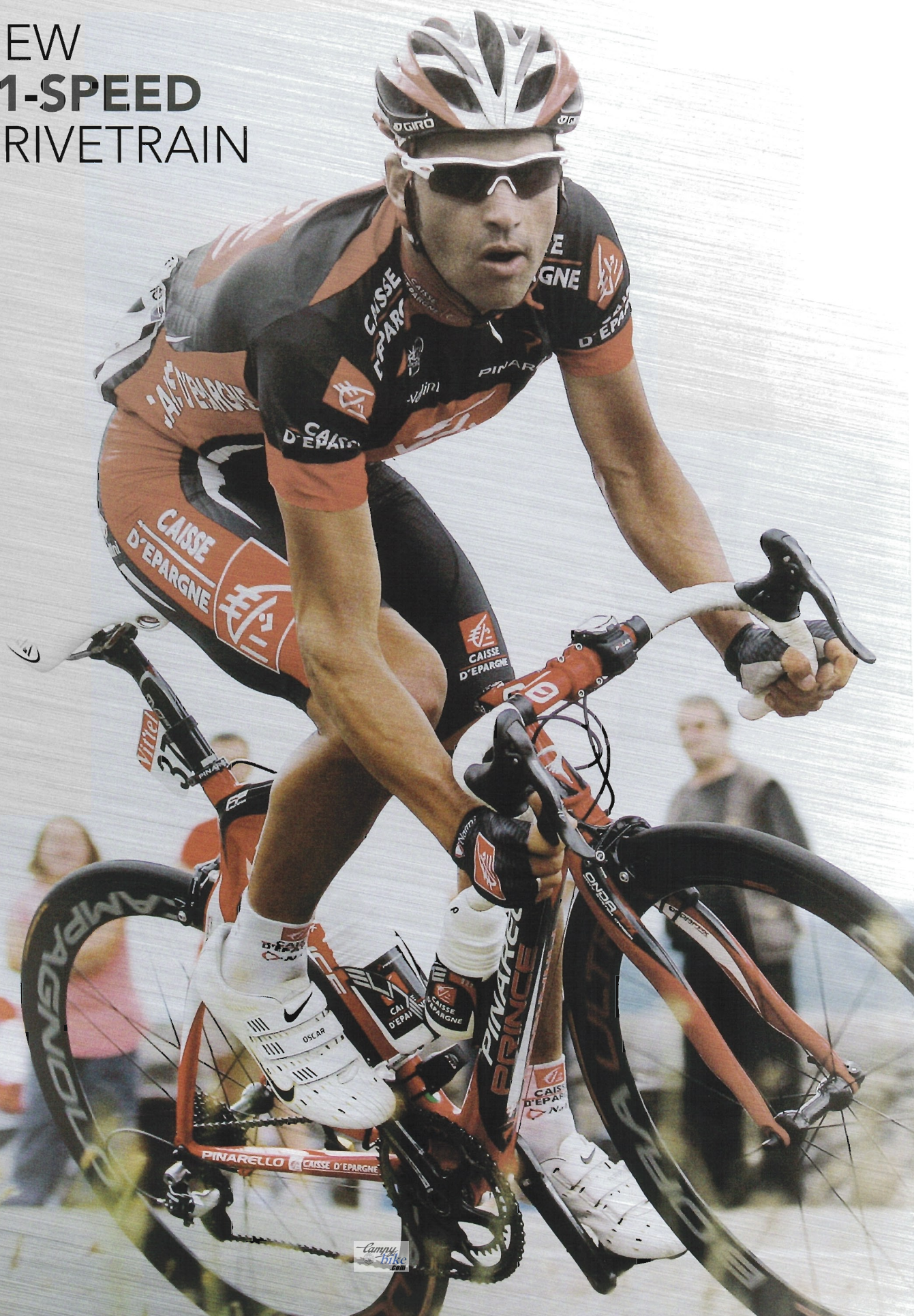
Ergopower™ Ultra-Shift™ controls let you shift the chain simultaneously up three sprockets and up to five downwards. The lever design makes it possible to obtain a **lighter rear derailleur control** which is **more fluid** than ever. The front derailleur action makes it possible to improve the shifting speed.

**BRAKING EFFICIENCY**

The Ultra-Shift™ form of the levers lets you act on the brakes with **greater power**. In particular, it is possible to brake with great power and promptness when the hands are gripping high up. This is a plus which allows professionals to chat with greater peace of mind before getting on with the serious business.



NEW  
**11-SPEED**  
DRIVETRAIN





CAMPAGNOLO®, CROSSES THE FINISHING LINE FIRST WITH AN **ABSOLUTE INNOVATION**, JUST AS ITS GENES DICTATE: **11-SPEED** DRIVETRAINS.

SOME WILL ASK: 11 SPEEDS, WHY? AND OUR ANSWER IS: BECAUSE CYCLISTS ARE NEVER HAPPY AND CAMPAGNOLO® WANTS TO PROVIDE THEM WITH **UNIQUE PERFORMANCE**.



We worked scrupulously to obtain a result of **absolute precision** and **unprecedented operating efficiency**. Increasing performance was our aim. And we succeeded fully: the added value of the new 11-speed drivetrain will soon be under everyone's eyes, or pedals rather.

WITH OUR NEW 11-SPEED SYSTEM YOU WILL HAVE A CHOICE OF SPEEDS THAT WILL MAKE YOUR BIKE EVEN **MORE VERSATILE**.

Shifting efficiency and precision, fluidity and smoothness also improve ... for better and better performance and even lower weight.



## A FOUR-YEAR WARRANTY

We have reduced the thicknesses to insert the extra sprocket, we lowered the weight using extremely advanced materials but we also set ourselves the aim of long-term reliability.

We worked on the materials in such a maniacal way that we can state without a shadow of doubt that long-term endurance will not be a problem, even for those who use their bikes every day.

**The work carried out by our engineers is the best guarantee for us.**

We are so sure of the reliability of our products that we have given a full four-year warranty to the components of the 11-Speed drivetrain, **only if they are part of a complete system: crankset, Ergopower™ controls, front and rear derailleurs, chain and sprocket set.**

**Campagnolo® components are designed to last.**



# ULTRA-SHIFT™ 11-SPEED FRONT DERAILLEURS



Ultra-Shift™ front derailleurs are more rigid while thanks to the new chain guide fork the **operating speed and ease of use and adjustment** are enhanced. Furthermore, the anti-friction treatment extends their lifetime. The fastening system has also been redesigned in the clamp versions for improved compatibility with the bicycle frame.



## New inner cage design:

- greater rigidity
- faster shifting
- more space for the chain crossovers



# ERGOPOWER™ ULTRA-SHIFT™ 11-SPEED CONTROLS



The new Ergopower™ Ultra-Shift™ controls are ideal for the 11-speed drivetrain. The reworked form permits a **better grip** for the rider's hand and absolute operating precision. It could not be otherwise given the reduction of the working spaces.

The right-hand allows you to shift the chain up to three speeds upwards and up to five downwards. The advantage is in the excellent shifting speed in every situation.

**Operating fluidity** has also been improved. Thanks to a favourable lever ratio the force required for actuating the **front and rear derailleurs** is a lot lower than with the old controls. The gain amounts to 13 percentage points for the rear derailleur and 18 for the front derailleur.



**11-SPEED  
REAR DERAILLEUR**

This is the fulcrum of the 11-speed systems. The 11-speed rear derailleur has a forged aluminium upper body which works on an enveloping and oversized carbon fibre outer plate. The new form confers torsional rigidity which is 150% greater than the old design and contributes to the construction of a parallelogram with **absolute operating precision**.

The cage pulleys are now made of a lighter material and reduce vibrations.

**New oversize carbon outer plate and redesigned parallelogram:**

- greater rigidity and shifting precision

**Special lightened pulleys:**

- reduced vibration
- increased chain smoothness
- greater lightness







### 11-SPEED SPROCKETS



Eleven sprockets that are even more efficient despite the reduction of the thicknesses? We have succeeded. The teeth have been designed to **optimize the speed and fluidity of shifting**. This form reduces stress on the chain which ascends more easily onto the higher diameter sprockets.

The large pinions are divided into sets of three and are mounted on a **new aluminium frame**. Thanks to this, rigidity increases 180% and the individual sprockets are 70% more resistant to torsion.

#### New enhanced timing:

- faster shifting speed
- less stress on the chain

#### New superlight aluminium locking

The last two sprocket triplets are fitted on aluminium frames which transform them into a single solid block.

### 11-SPEED CHAIN



We have reduced the width of the chain to 5.5 millimetres with the new spacing and a new material has been envisaged for the outer links. The pins are hollow inside to reduce the weight while maintaining strength. It is necessary to use tool UT-CN300 to fit it.

The Ni-PTFE treatment ensures **smoothness and long life**. The Ultra-Link™ fastening system guarantees strength and operation with the new 11-speed sprockets.



#### 11-Speed chain:

- new special steel, 20% stronger
- new outer link design for faster shifting even under stress







### 11-SPEED CRANKSET



We have redesigned the tooth profile to optimize 11-speed operation. Our studies led to the **ESP** (Enhanced Shifting Performance) **ACTUATION SYSTEM™**, specially developed to improve shifting timing.

Thanks to the new gear design, there are now two diametrically opposed sectors specialized for upshifting, and two downshifting sectors, also diametrically opposed. This solution makes instantaneous shifting possible both up and down.

The darker colour of the gears is the result of a **new anodization system** which confers greater resistance to wear and saline corrosion.



**The new outermost chainring design** makes it more rigid to give more power to the drivetrain.

**The new solution** features two specialized sectors for upshifting and two for downshifting.

- Up-shift sector
- Downshift sector

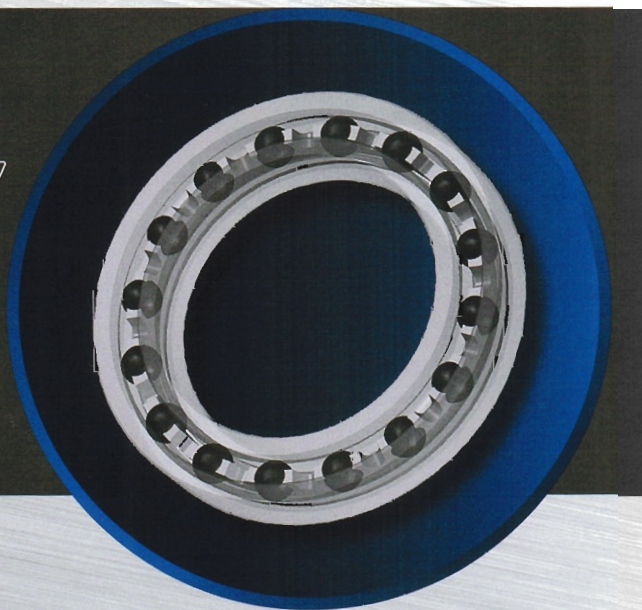


# CULT™

## CERAMIC ULTIMATE LEVEL TECHNOLOGY

### CULT™ CERAMIC ULTIMATE LEVEL TECHNOLOGY

CERAMIC BALL BEARINGS ARE A REALITY TODAY IN THE CYCLING WORLD AND CAMPAGNOLO DECIDED TO BE A PART OF IT RIGHT FROM THE BEGINNING, IN THE ONLY WAY IT KNOWS: **THE BEST POSSIBLE.**



Today Campagnolo® is **evolving the ceramic ball bearing concept** using CULT™ (Ceramic Ultimate Level Technology). We have combined the best ceramic ball bearings on the market with a stainless chromium steel with exceptional hardness called Cronitect®. It's the result of the "Advanced by FAG" technology, Schaeffler Group, and it will be a **Campagnolo exclusivity** for the next 3 years (for the cycling field). The thermochemical treatment of the surface layer ensures resistance to corrosion and wear. It also improves smoothness and grease is no longer required.

Cronitect® has achieved exceptional results in the salt spray fog test, standing out decisively from the other stainless steels.

CULT™ technology is destined only for the top products: Super Record™ cranksets and the highest range wheels.

### USB™ ULTRA SMOOTH BEARINGS

Our ceramic USB™ - Ultra Smooth Bearings guarantee **extremely high smoothness**. Perfectly smooth surfaces and lower friction to reduce loss of power are the most interesting features. Add on the reduced weight and resistance to corrosion and you will understand why we can give you the best thanks to USB™. All your power will be transferred onto the road.

USB™ - Ultra Smooth Bearings - technology is used for Record™ cranksets.

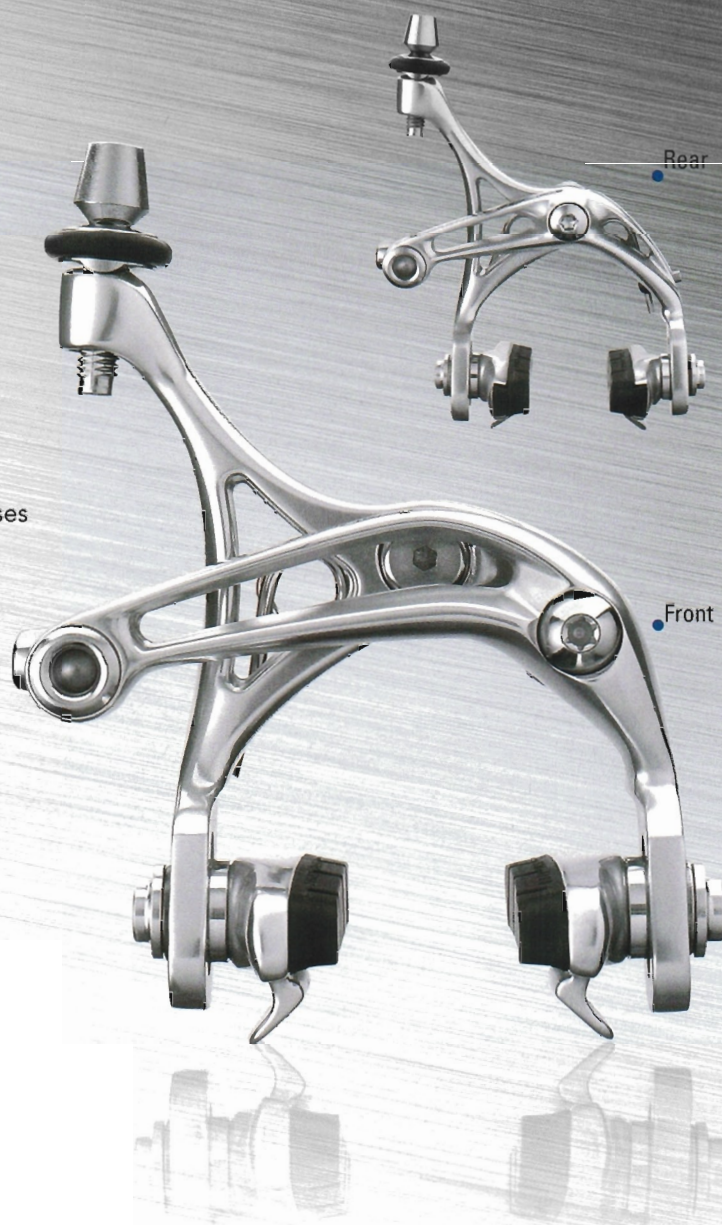


## SKELETON™ BRAKES

**LIGHTNESS** AND **POWER** ARE IN THE DNA OF SKELETON™ BRAKES.

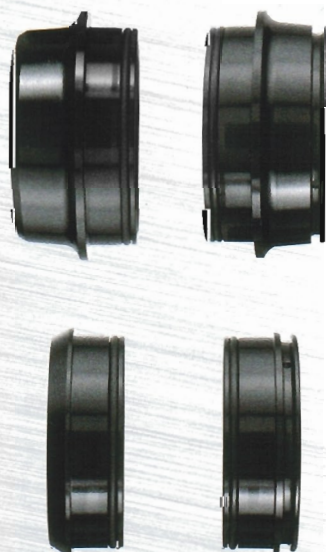
Thanks to the design which eliminates useless material, we have optimized a brake which loses nothing in strength and is able to give power, modulation and exceptional braking torque.

The differentiated front and rear construction optimizes **power** and **progressiveness**.



## NEW INTEGRATED CUPS

THE CAMPAGNOLO® SOLUTION  
FOR OVERSIZE BOTTOM BRACKETS



Ever attentive to new market demands and trends Campagnolo® has developed 2 specific adaptors to permit the assembly of Ultra-Torque™ cranksets on frames with oversize bottom brackets.

These special integrated cups are made of aluminium and have the same bearing seat function as the already renowned Ultra-Torque™ cups. These adaptors simply replace the standard cups on frames with oversize bottom bracket shells.

Available in versions compatible with bottom bracket shells with 86.5 mm diameters and with BB30 bottom brackets, they are 20 grams lighter than standard cups.

**The new tool, UT-BB140, specially designed by Campagnolo®, is required for fitting them.**



# RAISE THE LEVEL WITH 11 SPEED!

## IN THE VANGUARD OF TECHNOLOGICAL INNOVATION:

THAT IS WHERE THE NEW 11-SPEED GROUPSETS ARE. THEY ARE THE FRUIT OF OUR KNOW-HOW, OF OUR CONTINUOUS INNOVATIVE DRIVE.

Cyclists are never truly happy whether they are professionals or amateurs. Campagnolo® therefore decided to give them an extra possibility with three **11-speed groupsets**.

The Campagnolo® 11-speed groupsets are the technological non plus ultra: front and rear shifting is faster, more precise, fluid and lighter and the drivetrain is quieter.

Every transmission component has been redesigned: the Ergopower™ controls, front and rear derailleurs, chain, sprocket set and crankset.

SUPER RECORD™, RECORD™ AND CHORUS™, GROUPSETS HAVE BEEN CONCEIVED TO EXCEL IN EVERY CHALLENGE.

Ready to give battle with their spirit of **pure adrenalin, dynamism, passion** and **energy**, and permit the world's top cyclists to express all their potential without hesitation. Being the first past the finishing line; **winning**: the only thing that counts when you compete.





**11<sup>TM</sup>**  
SPEED

## 11 SPEED GROUPSETS

- 22 | SUPER RECORD<sup>TM</sup>
- 32 | RECORD<sup>TM</sup>
- 40 | CHORUS<sup>TM</sup>





## 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.**

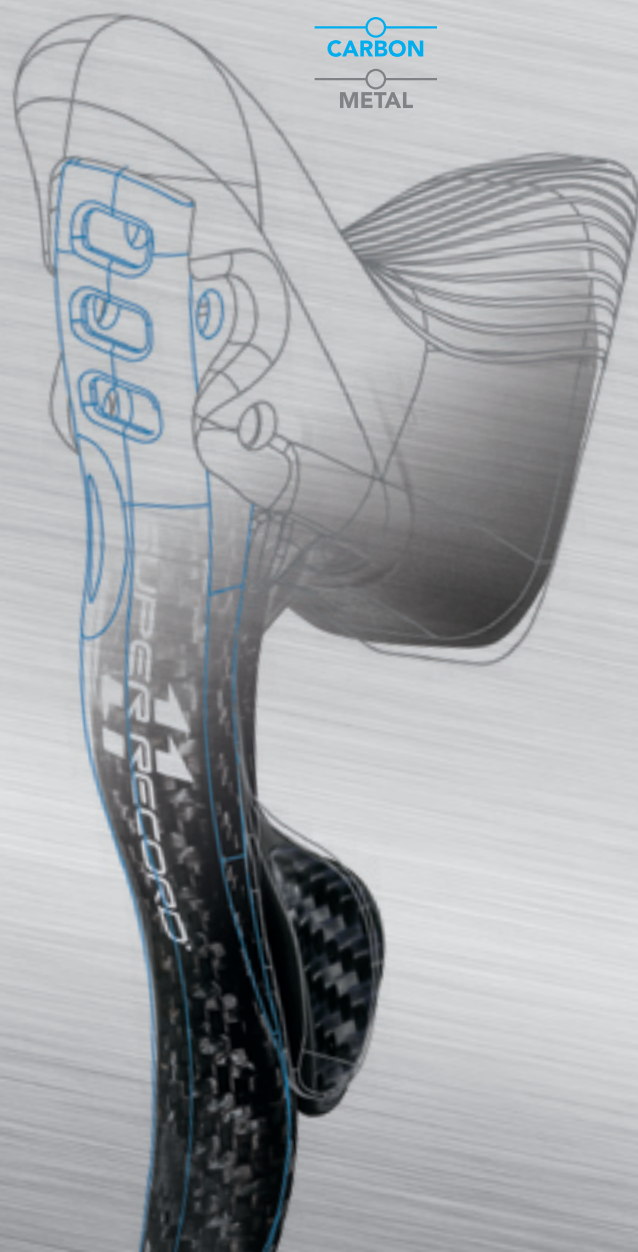


## ERGOPOWER™ ULTRA-SHIFT™ SUPER RECORD™ CONTROLS

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.



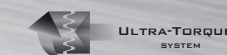
CARBON  
+  
METAL



- 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**.



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

The **carbon outer plate** wraps around the metal body and executes the commands from the Ergopower™ Ultra-Shift<sub>2</sub> controls with precision. **Maximum smoothness for the cage pulleys** made of anti-vibration material.

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



## 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

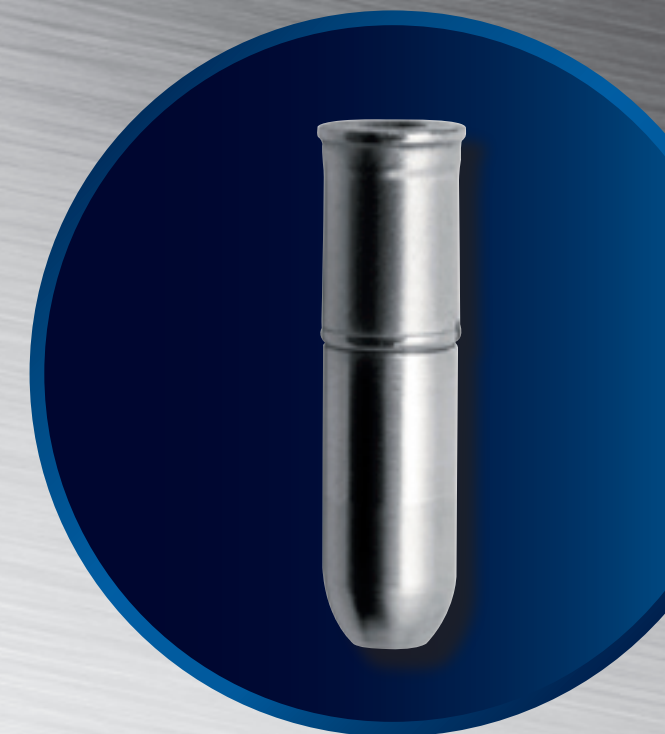
**ELEVEN SPROCKETS TO WIN:** SIX TITANIUM ONES AND FIVE IN STEEL.

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 toothing
- 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.



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







## RECORD™ GROUPSET

RECORD™ 41<sup>TM</sup> SPEED

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





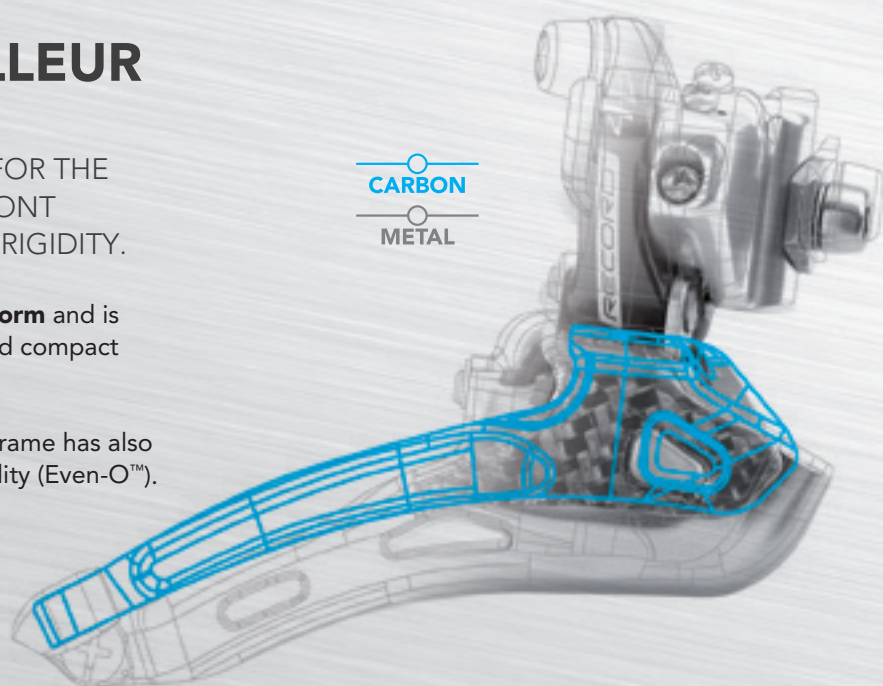
## RECORD™ FRONT DERAILLEUR

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

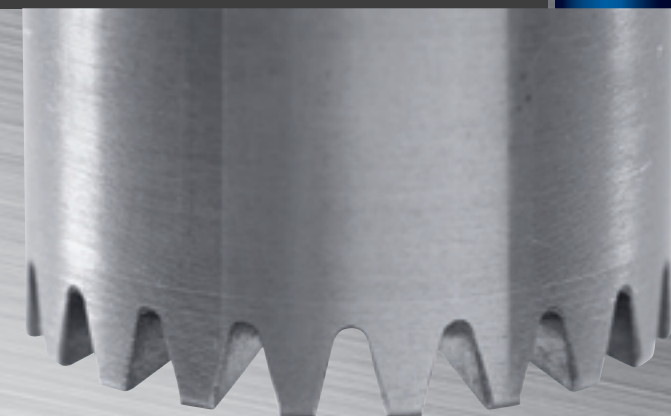
THE RECORD™ CRANKSET EXPLOITS UNIDIRECTIONAL AND MULTIDIRECTIONAL CARBON FIBRE STRUCTURED ACCORDING TO **ULTRA-HOLLOW™ TECHNOLOGY** WHICH ENVISAGES HOLLOW CRANKS AND SPOKES.

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<sup>™</sup> SPEED

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

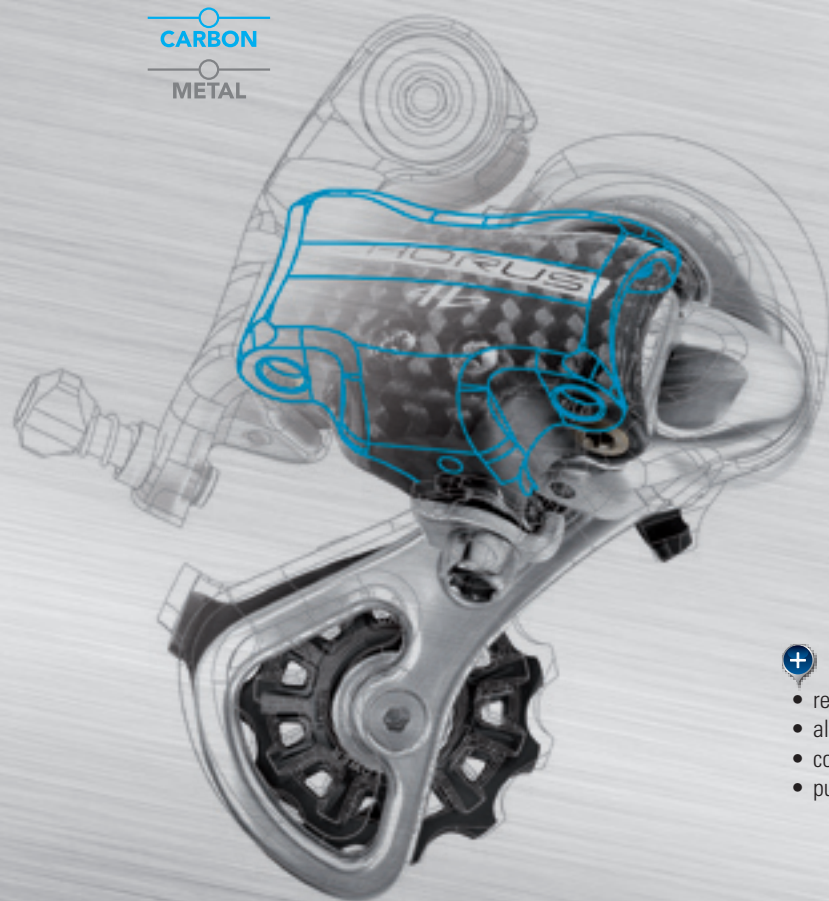
THE 11-SPEED CHORUS™ REAR DERAILLEUR HAS A PARALLELOGRAM OF NEW DESIGN WITH AN **OVERSIZE CARBON FIBRE OUTER PLATE**.

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-O™ 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?

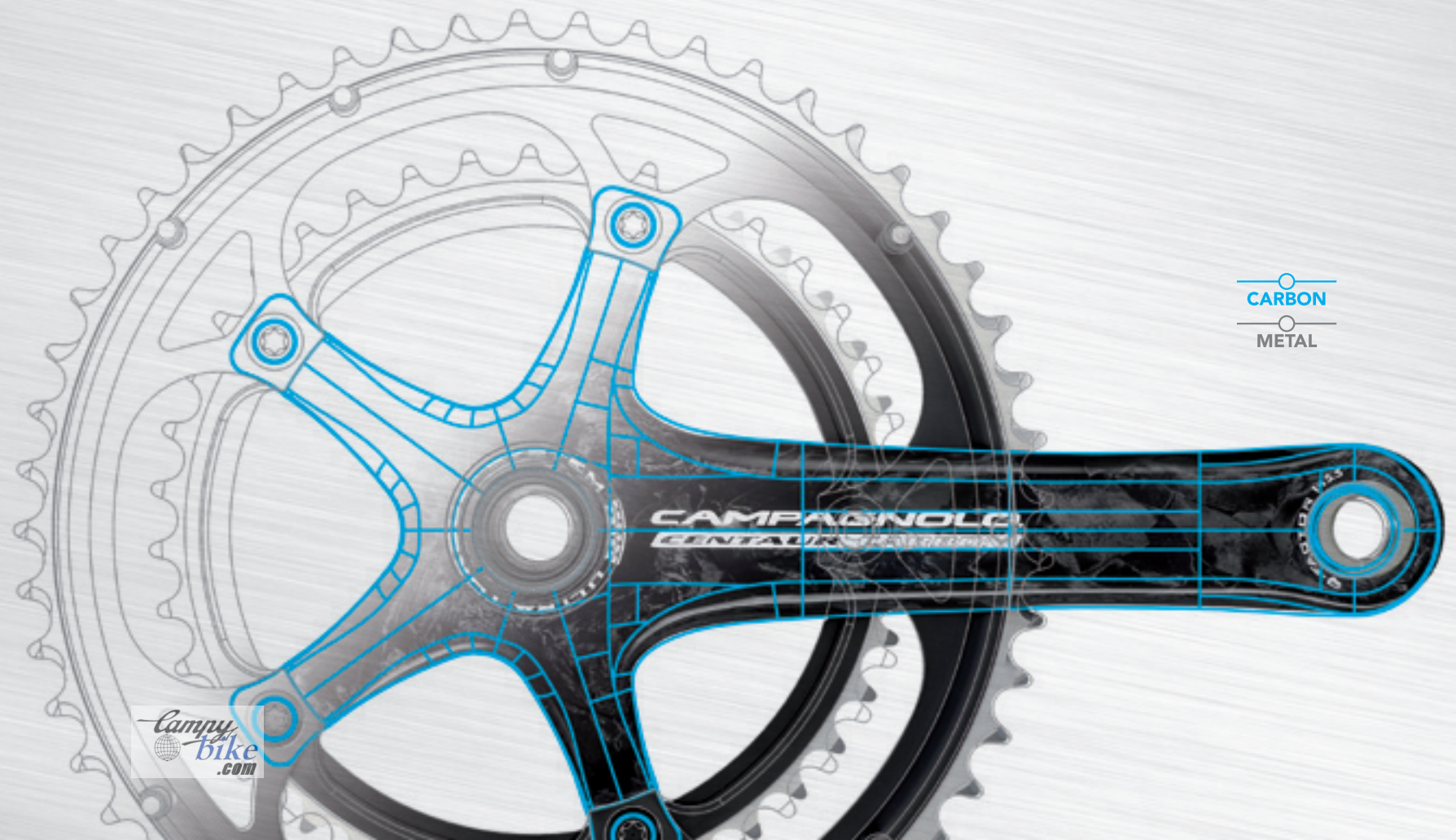
YOU ARE JUST SPOILED FOR **CHOICE** WITH THE CENTAUR™ GROUPSET.

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



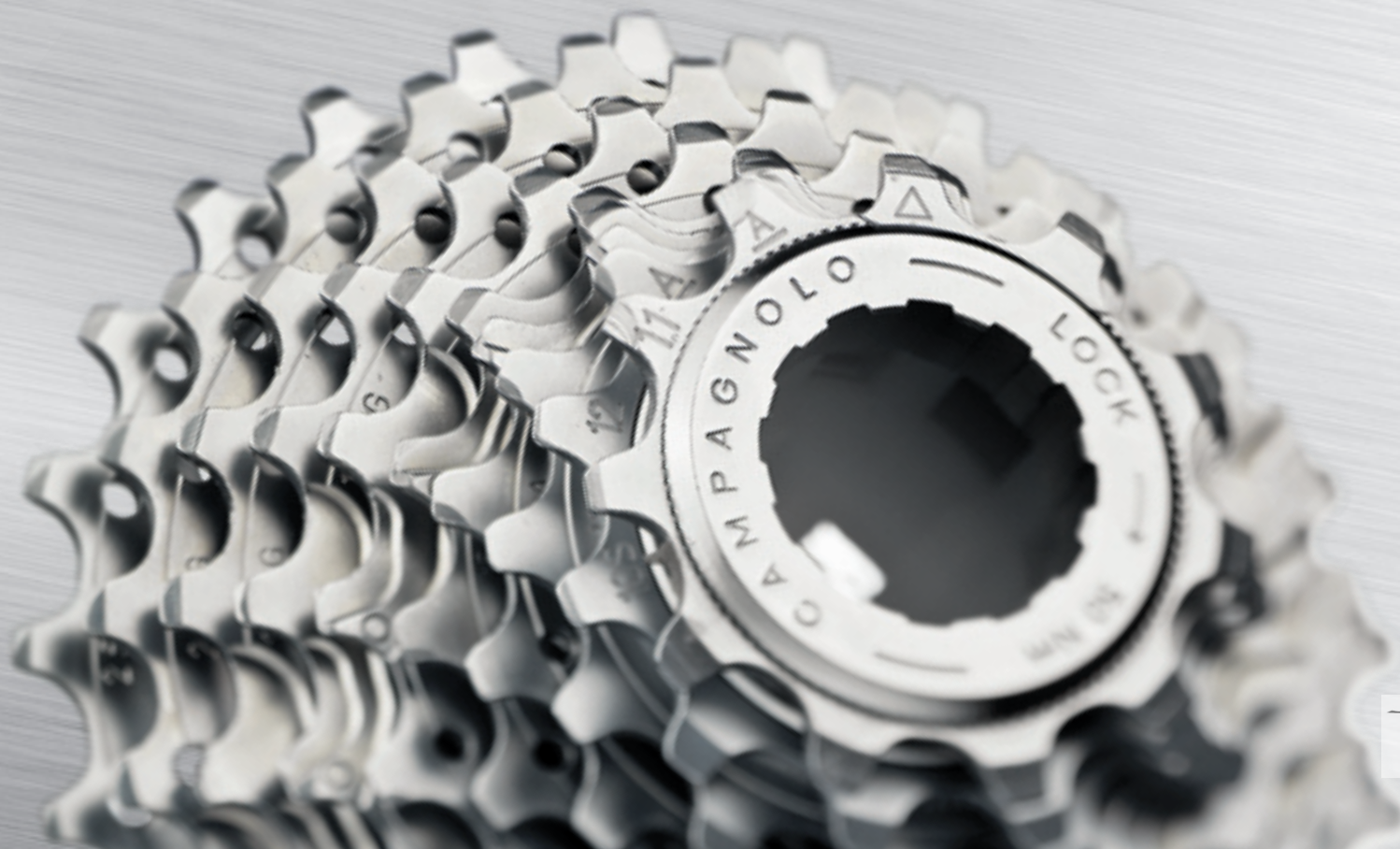
## CENTAUR™ FRONT DERAILLEUR

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



## 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.



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





## 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.



Short

Medium



- 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



Front

Rear





## VELOCE™ GROUPSET

Versatility and mechanical precision: these are the features of our Veloce™ groupset.



## ERGOPOWER™ VELOCE™ CONTROLS

THERE ARE TWO ERGOPOWER™ VERSIONS IN THE VELOCE™ RANGE. WE ADDED THE **VERY LATEST ULTRA-SHIFT™ VERSION** TO THE ESCAPE™ SERIES.

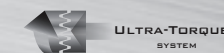
Both are available in aluminium and black versions and allow the cyclist **to choose the preferred support solution**. The shock absorber on the control body is made of non-allergic silicone while it is the Vari-Cushion™ type in the Ultra-Shift™ version.



- aluminium levers
- maximum ergonomics
- fast opening of the brake arms
- minimum maintenance



## VELOCE™ CRANKSET



ULTRA-TORQUE™ **BOTTOM BRACKET SYSTEM** WITH FORGED ALUMINIUM CRANKSETS AVAILABLE IN THREE LENGTHS: THESE ARE THE MAIN FEATURES OF THE VELOCE™ CRANKSET.

It is also available in a compact version while rigidity is extremely high thanks to the construction technology.



- forged aluminium cranks
- light alloy chainrings
- eight pins for upshifting the chain

## VELOCE™ FRONT DERAILLEUR

THE VELOCE™ FRONT DERAILLEUR IS DISTINGUISHED BY THE **BLACK COLOUR** OF THE BODY AND CONTROL LEVERS AND BY THE **NICKEL-CHROME TREATED CAGE**.

The form has been optimised to ensure operation with the same **precision**, both with standard cranksets and with the compact type.



- unified cage for standard and compact cranksets
- double black-silver colouring
- chrome-plated nickel fork





## VELOCE™ SPROCKET SET

THE SPROCKETS MUST BE **SHAPED** APPROPRIATELY FOR THE DRIVETRAIN TO WORK PERFECTLY.

The result is **perfect shifting timing** and high-precision operation.



- optimized sprocket timing
- Ultra-Drive™ machining for the teeth
- surface galvanization



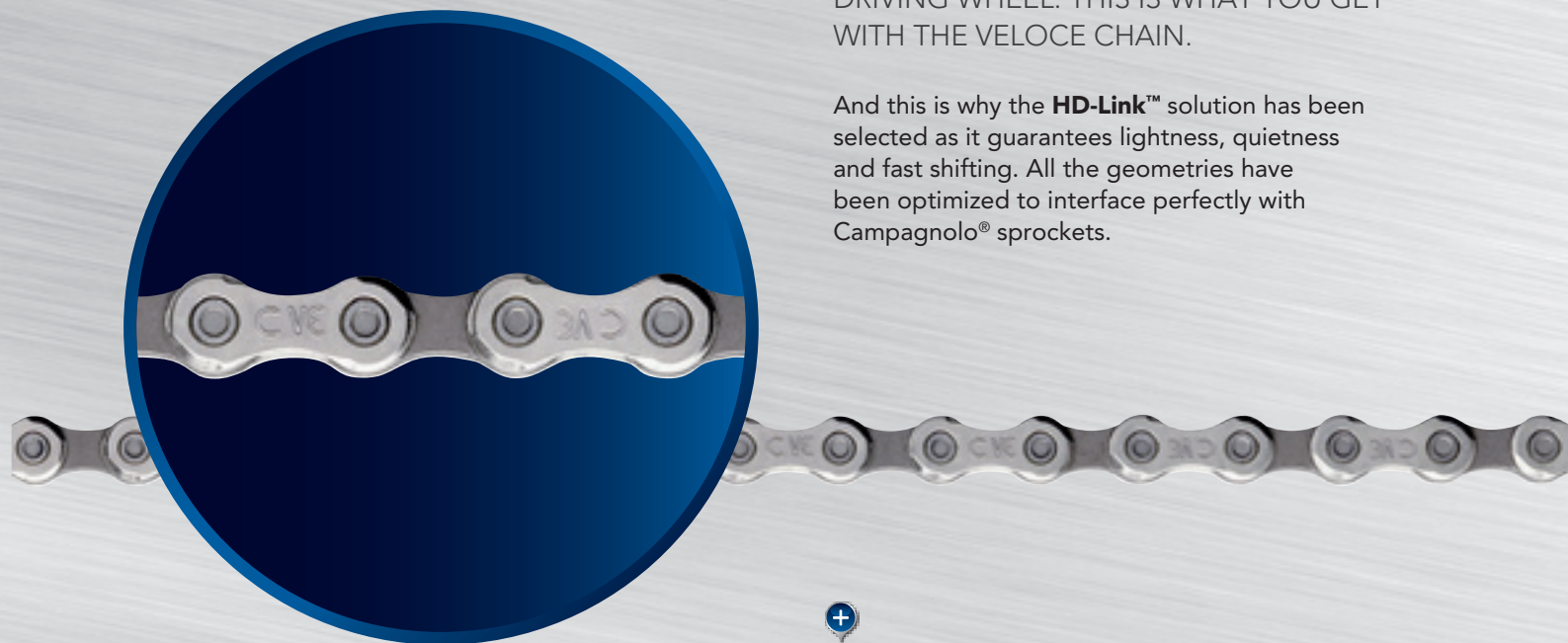
## VELOCE™ CHAIN

A **QUIET PRECISE** CHAIN THAT TRANSMITS ALL YOUR POWER TO THE DRIVING WHEEL: THIS IS WHAT YOU GET WITH THE VELOCE CHAIN.

And this is why the **HD-Link™** solution has been selected as it guarantees lightness, quietness and fast shifting. All the geometries have been optimized to interface perfectly with Campagnolo® sprockets.



- width 5.9 millimetres
- HD-Link™ system
- optimized forms



## VELOCE™ REAR DERAILLEUR

THOSE WHO CHOOSE THE VELOCE™ REAR DERAILLEUR KNOW THAT THEY HAVE A SYSTEM CAPABLE OF OFFERING THE MAXIMUM RELIABILITY AND **PRECISE OPERATION**.

The entirely aluminium body is robust and light. The chain moves on pulleys - realized with a **special rubber** which dampens vibration - and which run on sintered pulleys and bushings.



- aluminium body
- short or medium cage
- anti-vibration rubber for the pulleys







## VELOCE™ BRAKES

WE HAVE PROVIDED THE VELOCE™ GROUPSET WITH **TWO BRAKE VERSIONS**.

The classic double fulcrum model has been joined by the Skeleton version with a **hollowed and lightened structure**. The braking torque is guaranteed in both cases. Skeleton brakes are differentiated with a single fulcrum for the rear wheel.



- forged aluminium
- differentiated front and rear brakes in the Skeleton version





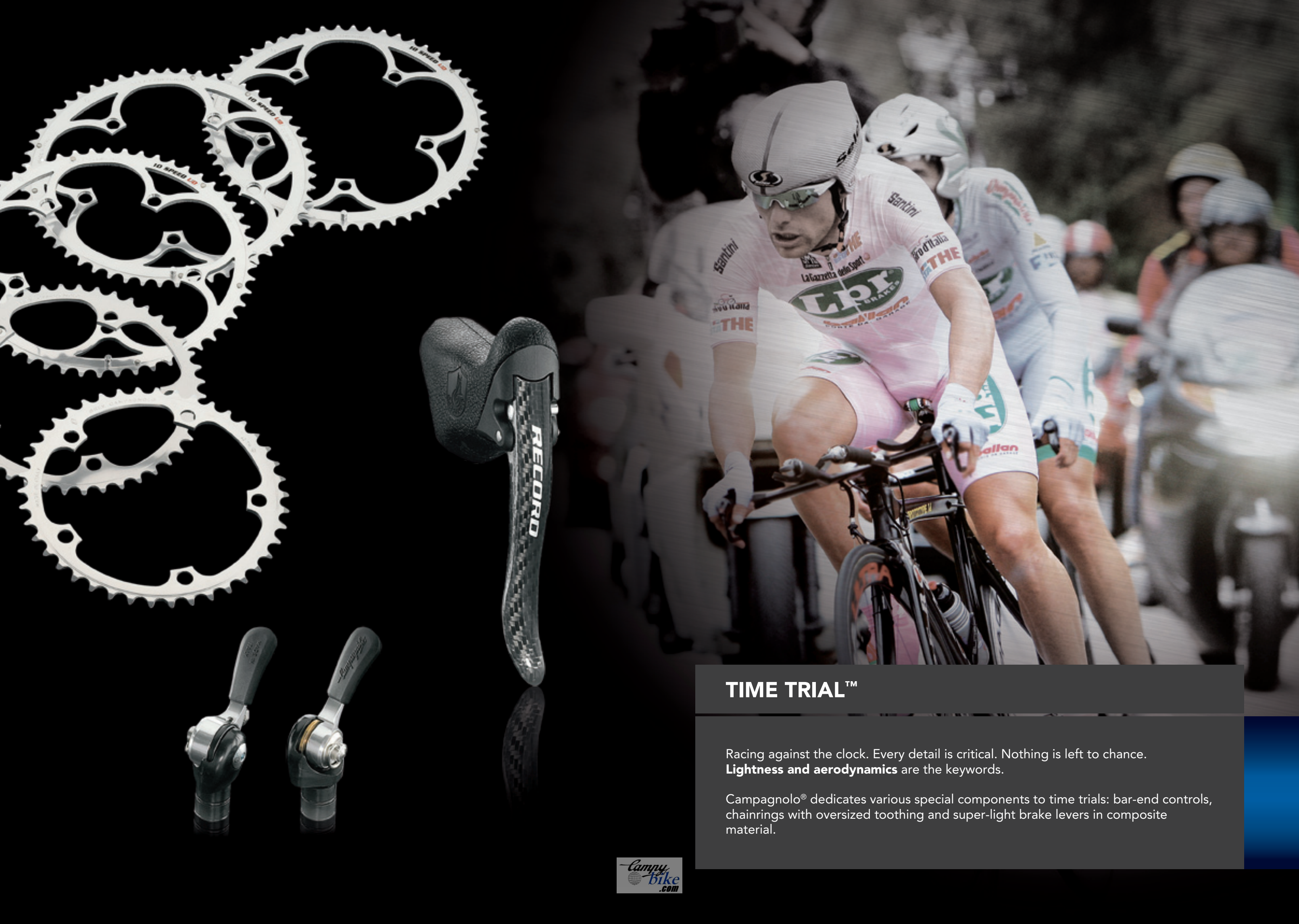


## RECORD™ PISTA™

**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 tooting and super-light brake levers in composite material.





## COMP TRIPLE™

The triple drivetrain is the ideal choice for those of you who want to tackle the challenge of **the toughest ascents in the best way possible**. The Comp Triple™ is a **10-speed** kit with a rear derailleur with a long cage and a specific front derailleur. The crankset is available with 30-40-50 or 30-42-53 toothing.

**Conquering a summit is also something magical: Campagnolo® helps you to do this too.**





## 2009 WHEELS

### 74 | WHEELS TECHNOLOGY

### 78 | LOW-PROFILE WHEELS

80 | HYPERON™ ULTRA™ Two

84 | NEUTRON™ ULTRA™

86 | NEUTRON™

### 88 | MEDIUM-PROFILE WHEELS

90 | SHAMAL™ ULTRA™ 2-Way Fit™

92 | EURUS™ 2-Way Fit™

94 | SHAMAL™ ULTRA™

96 | EURUS™

98 | ZONDA™

100 | SCIROCCO™

102 | VENTO™ REACTION™

104 | KHAM SIN™

### 106 | HIGH-PROFILE WHEELS

108 | BORA™ ULTRA™ Two

110 | GHIBLI™ ULTRA™

112 | PISTA™



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.

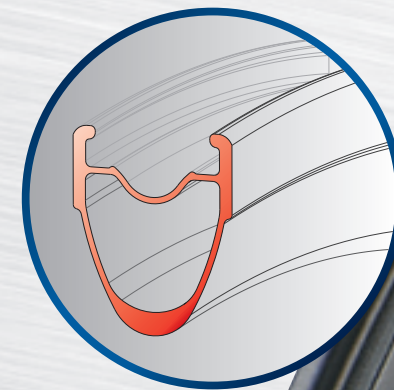
### 2-WAY FIT™ TUBELESS & CLINCHER PROFILE

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.



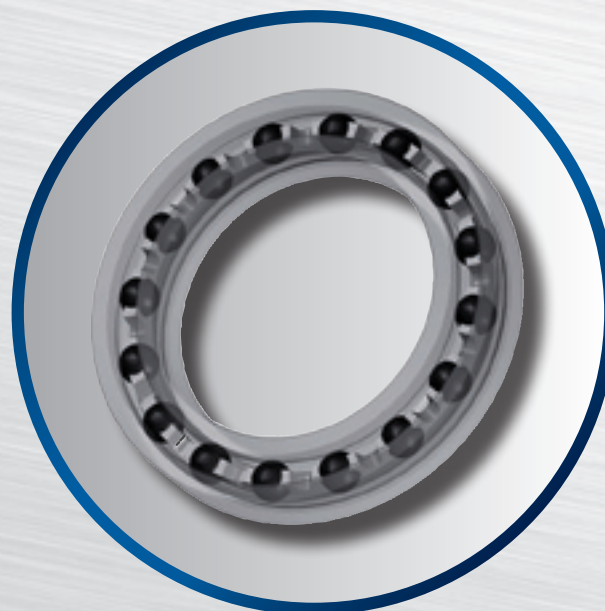




#### CERAMIC ULTIMATE LEVEL TECHNOLOGY

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, nerry 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.**



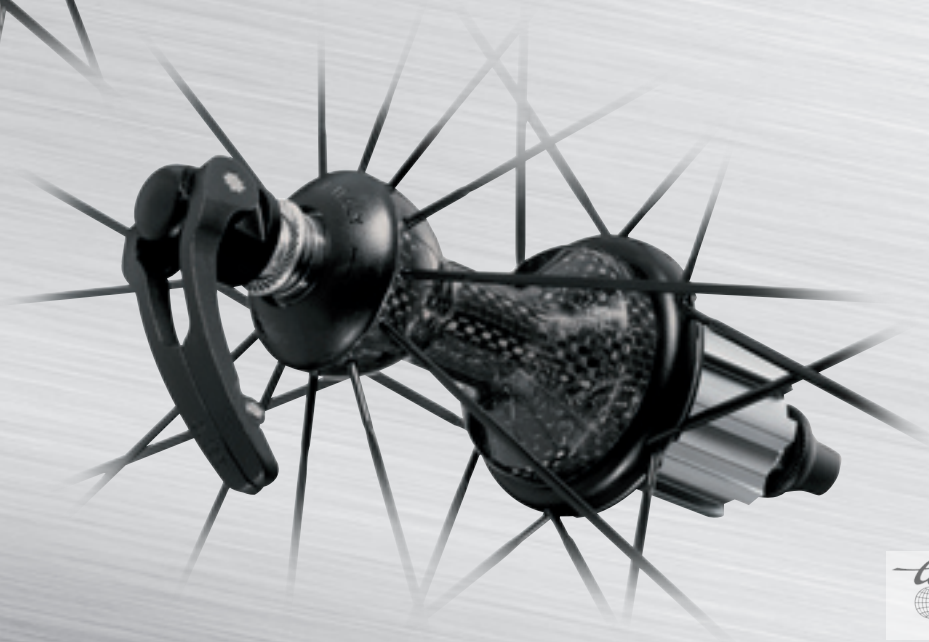
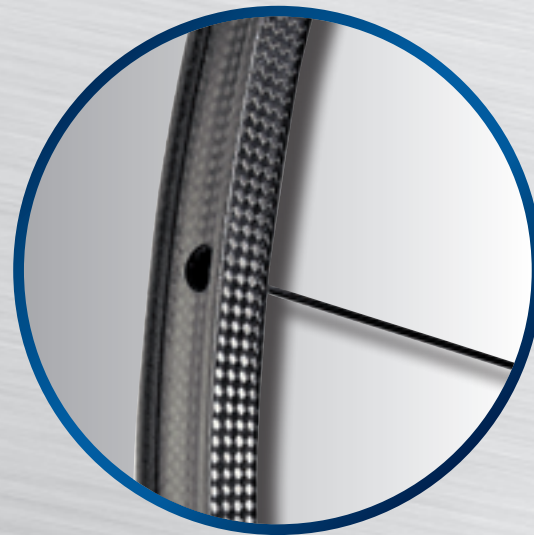
## HYPERON™ ULTRA™ TWO TUBULAR

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

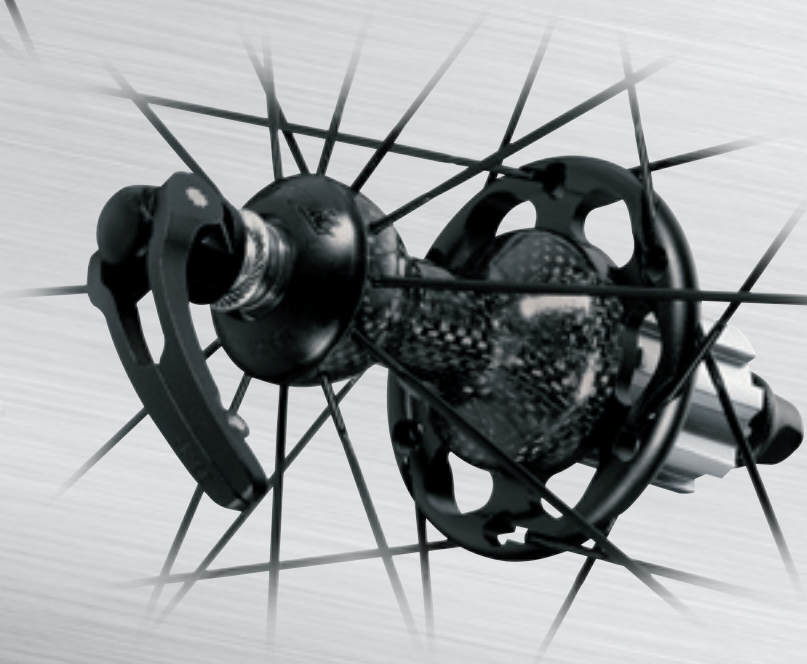
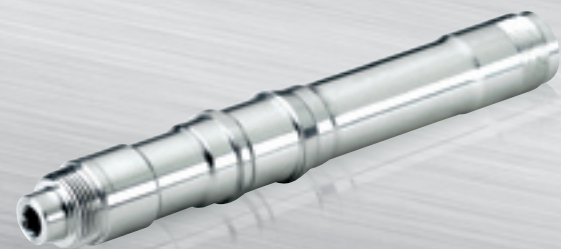
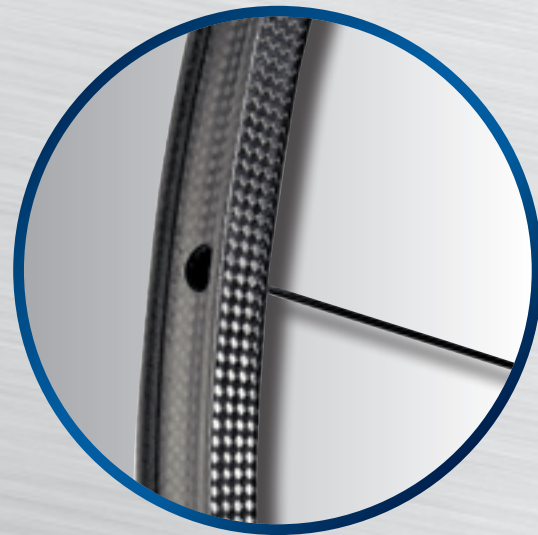
Designing a carbon fibre clincher rim capable of keeping the tire's anchoring bead in place: many manufacturers draw back from the challenge ... but Campagnolo® won it. The same performance as the tubular model can be found in this clincher version. As with the tubular version, we use the new **CULT™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





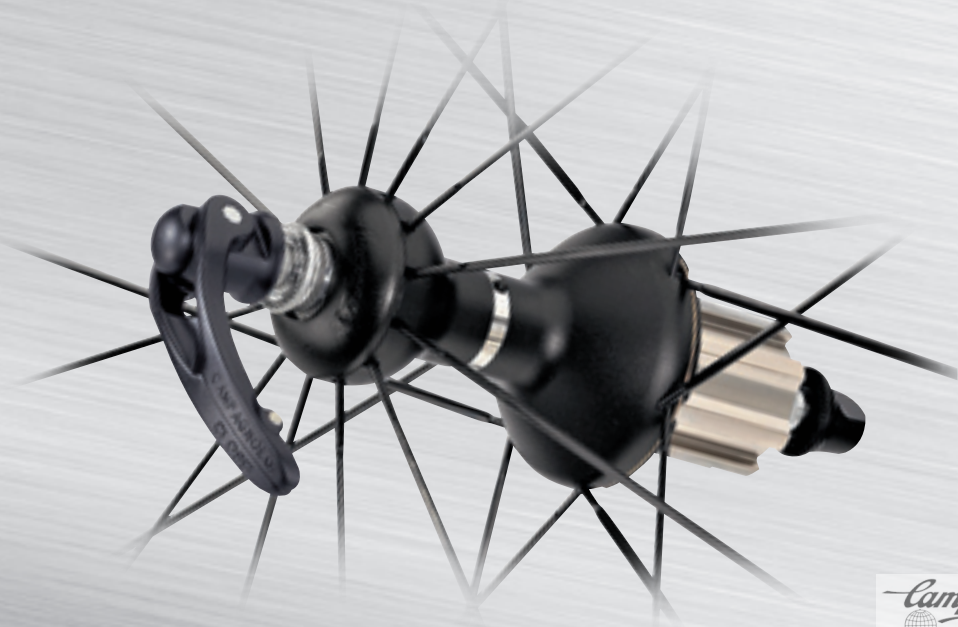
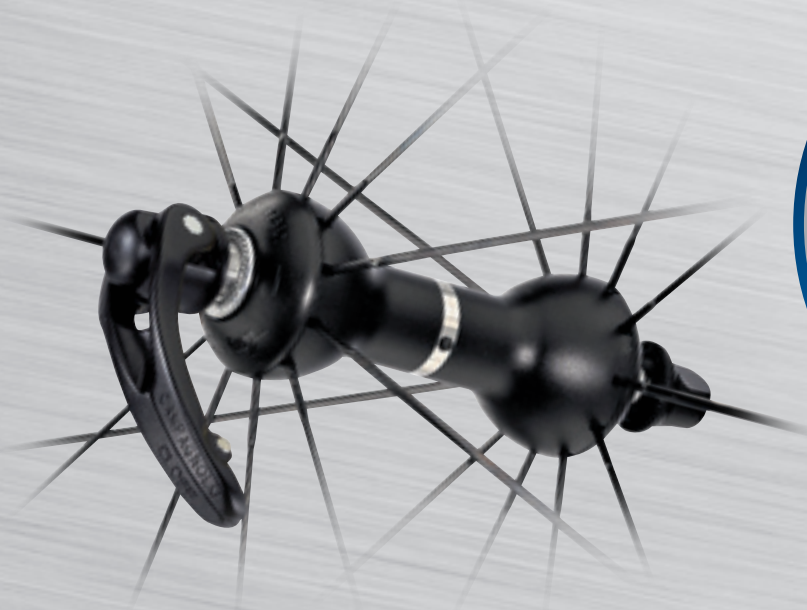
## NEUTRON™

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.

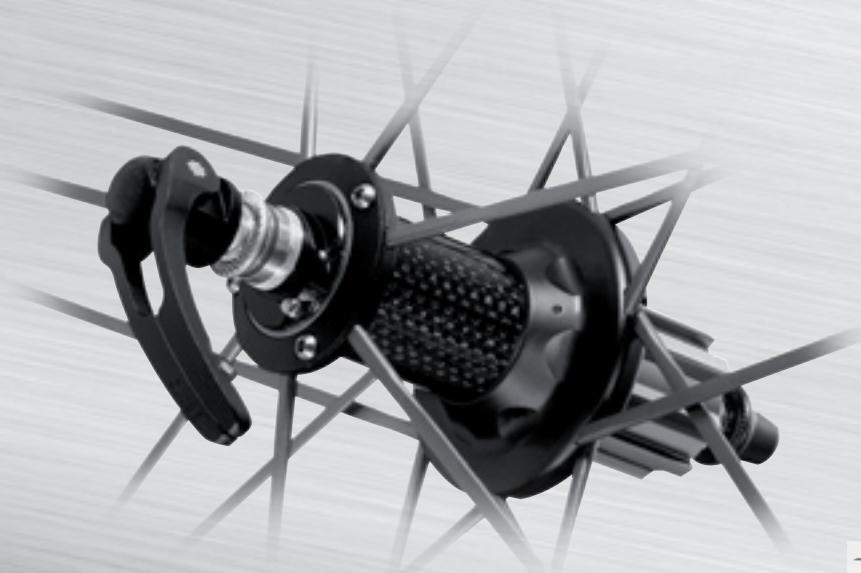


## SHAMAL™ ULTRA™ 2-WAY FIT™

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





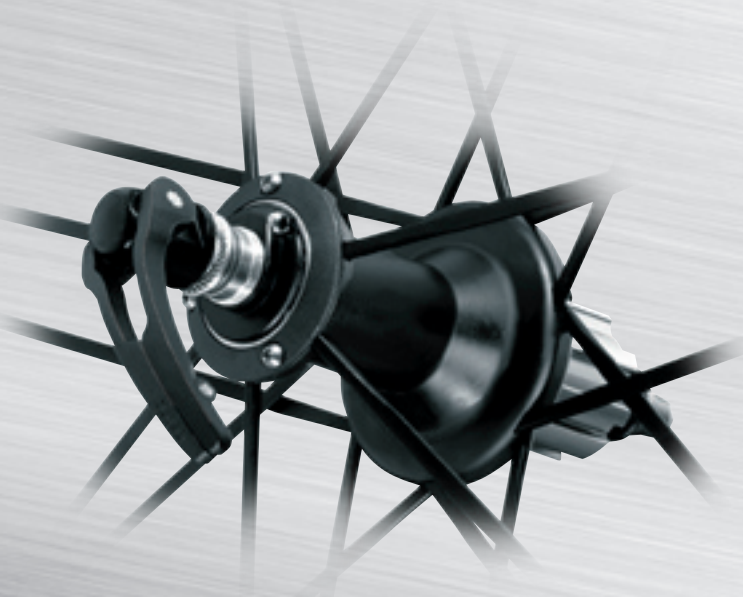
## EURUS™ 2-WAY FIT™

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™

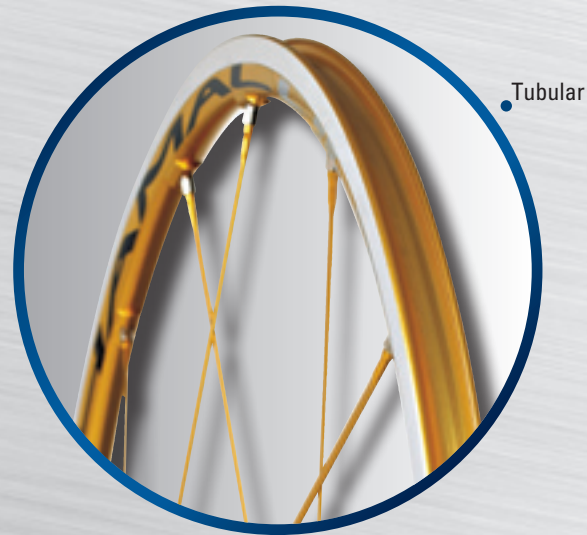
The concept is fixed, the passion moves. Shamal™ embodies this synergy.

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.

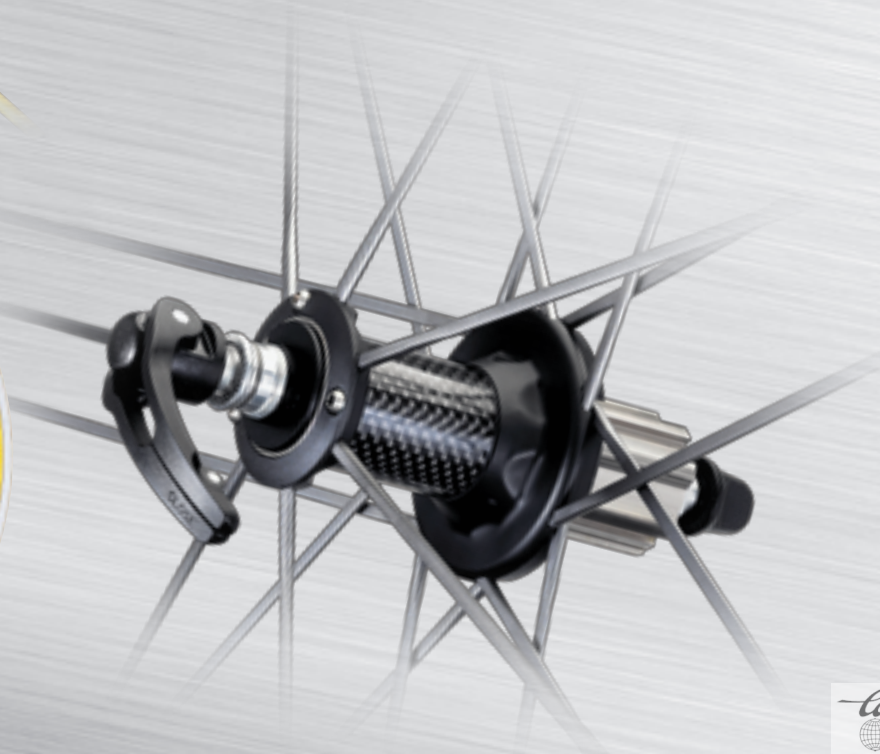
**Toroidal grinding** which extends from one spoke anchorage to the next helps to lighten the rims. Shamal™ Ultra™ wheels are available in the tubular or clincher Gold versions, or in the clincher-only Titanium version.



- 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™.

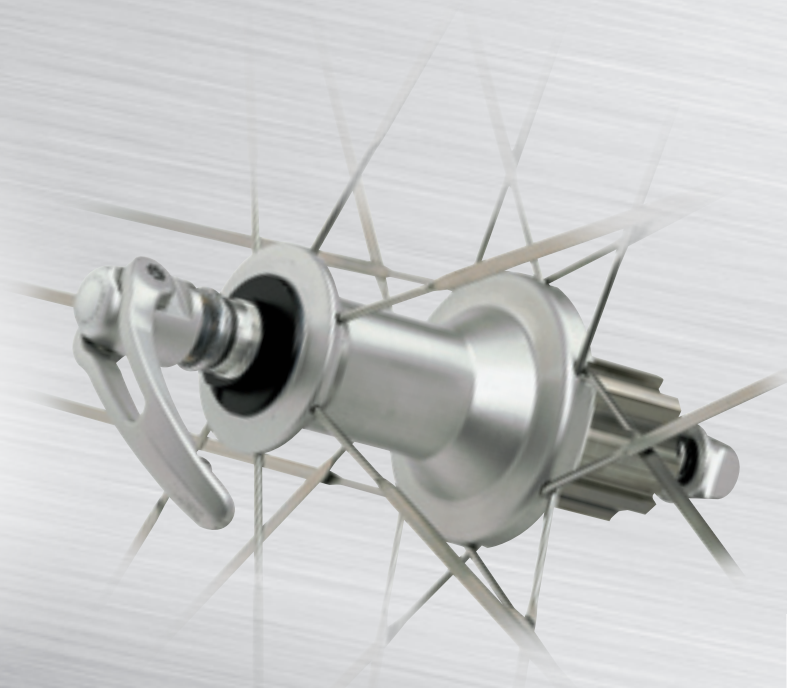
This wheel develops the idea of the **differentiated rim profile**.

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.

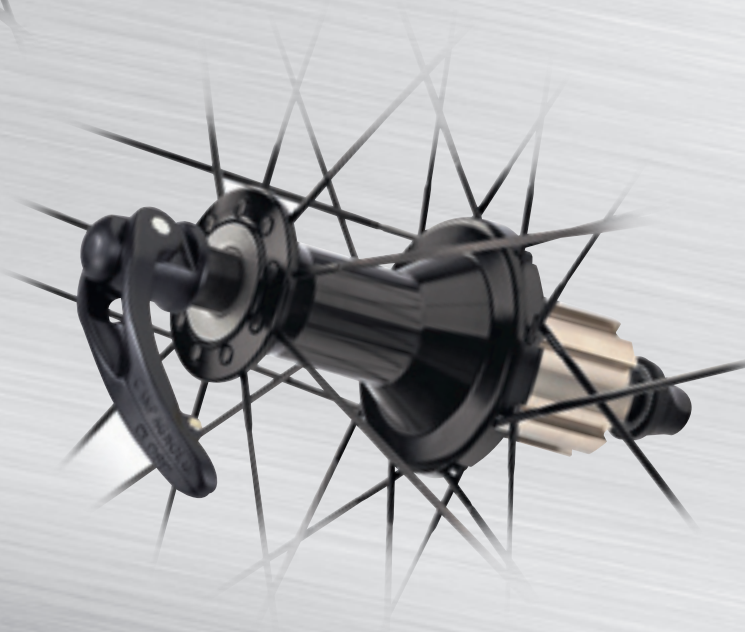
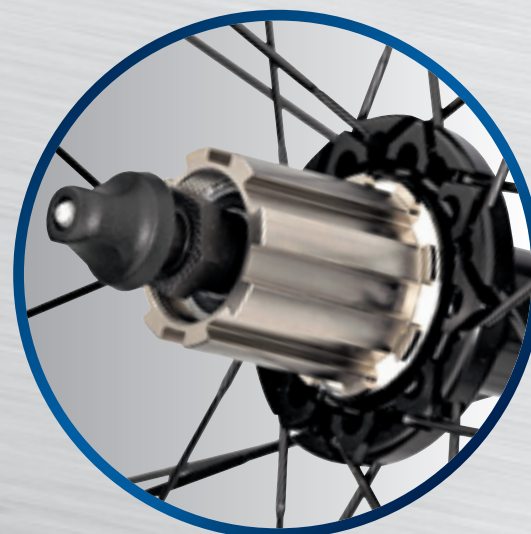
Special spokes are positioned opposite the rim joint to balance the flywheel effect and thereby obtain **dynamic balancing** of the wheel.

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.

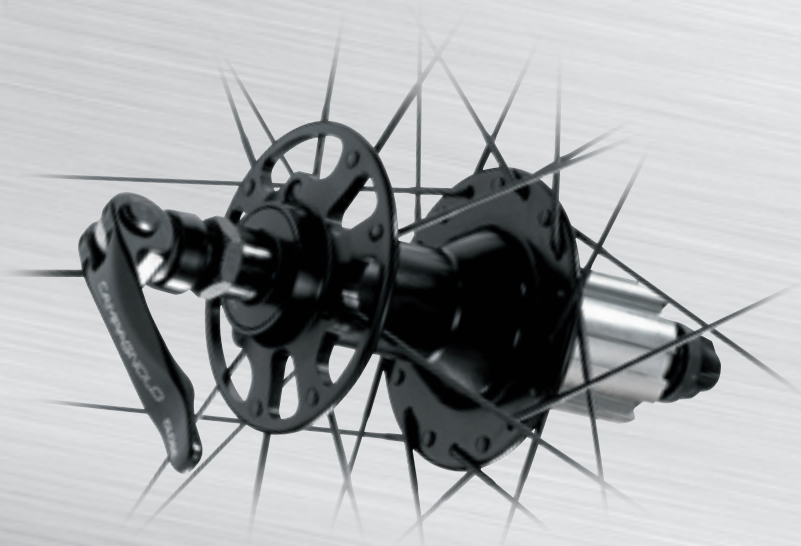


- hubs with oversize flanges
- G3™ spoking
- spokes with differentiated section



### NEW QUICK RELEASE

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





## KHAM SIN™

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

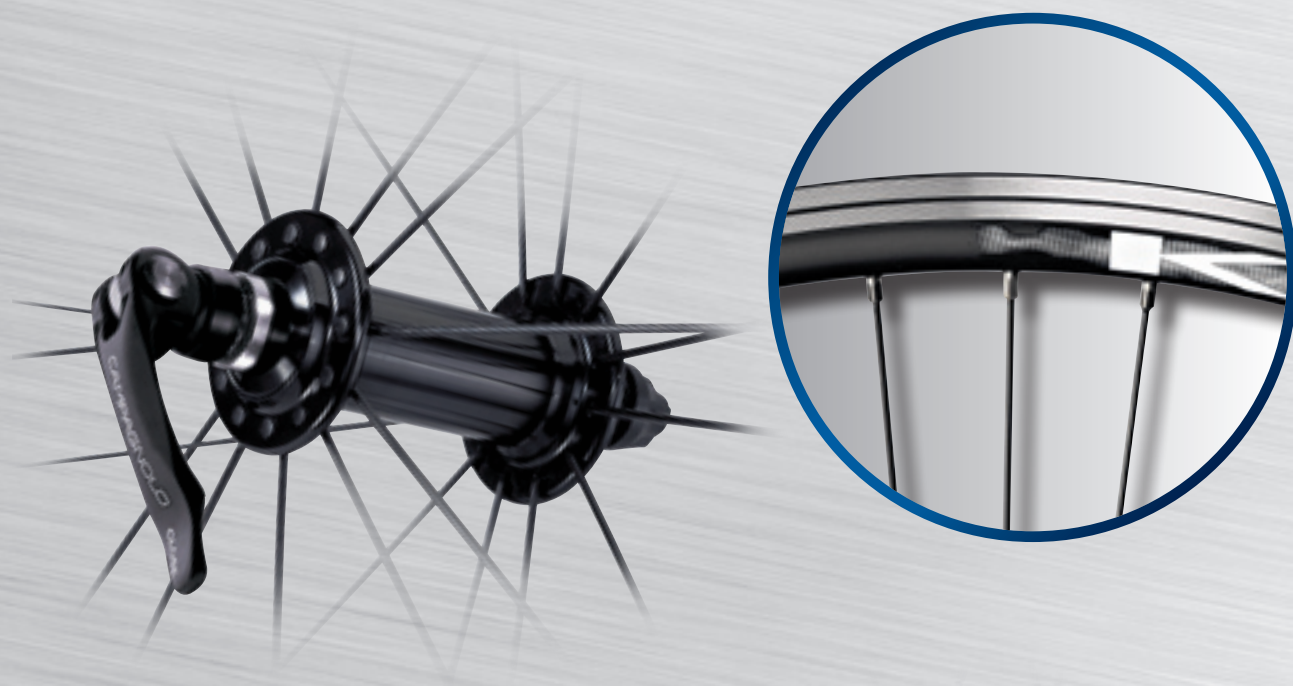
The braking track on the rim is marked by the **wear indicator** which runs along the entire friction surface.

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

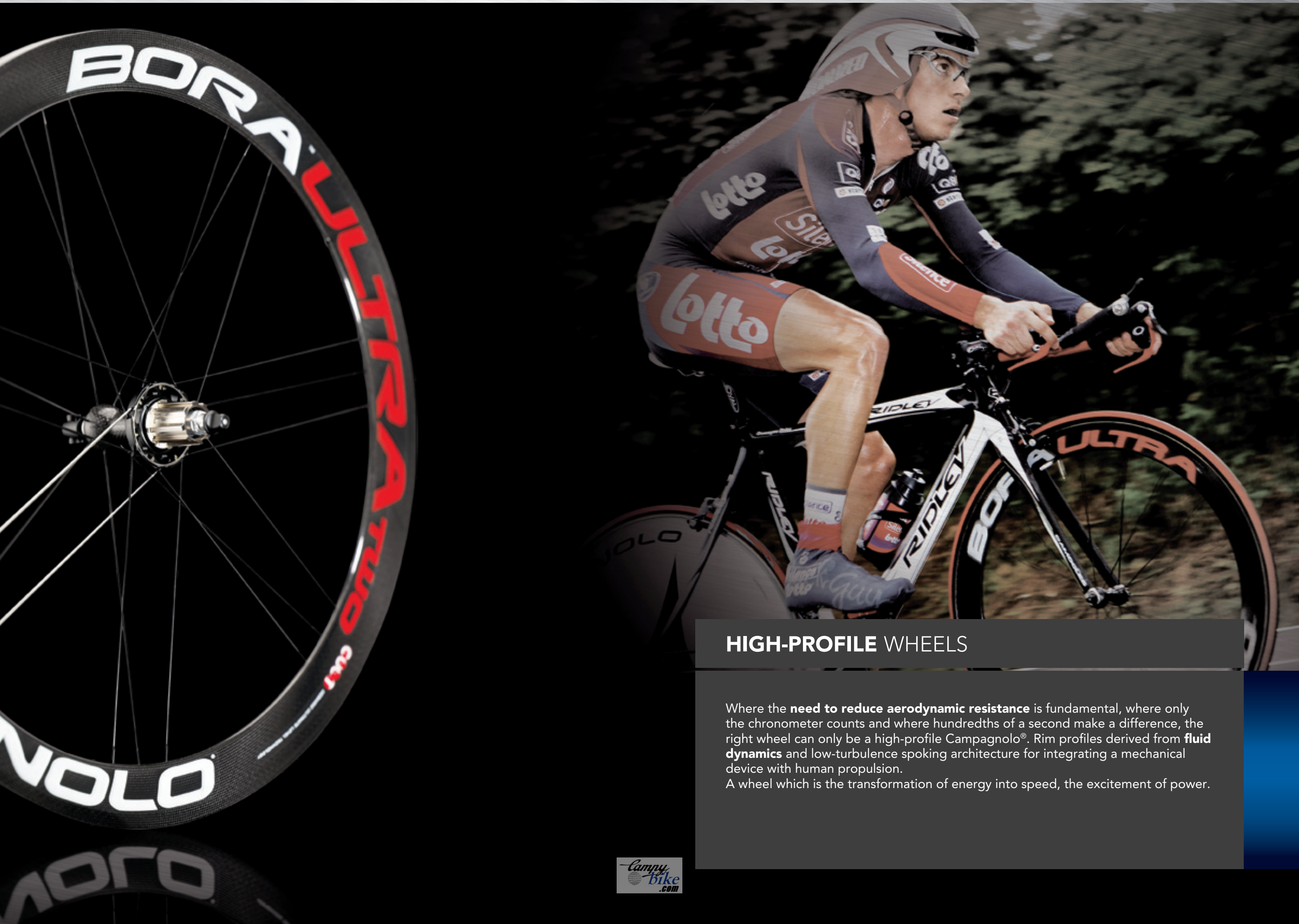


### NEW QUICK RELEASE

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

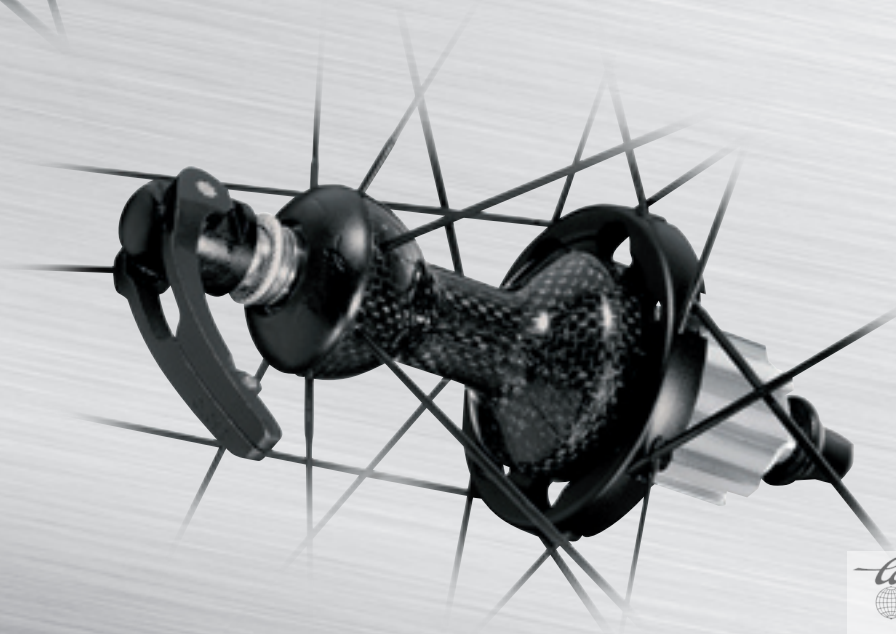
For a race against time ... Bora™ Ultra™ Two™ is the must-have for specialized professional use and those looking for that extra competitive edge. These wheels have been conceived for those looking for the **maximum aerodynamic performance**, in time trials and in triathlon.

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

<b>114</b>		SUPER RECORD™
<b>117</b>		RECORD™
<b>120</b>		CHORUS™
<b>122</b>		CENTAUR™
<b>124</b>		VELOCE™
<b>126</b>		PISTA™
<b>127</b>		TIME TRIAL™
<b>128</b>		COMP TRIPLE™








### WHEELS

<b>130</b>		LOW-PROFILE
<b>132</b>		MEDIUM / HIGH-PROFILE










## SUPER RECORD™ 2009







	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>SUPER RECORD™ 11s rear derailleur</b>		upper to lower pulley-axle: 55 mm - composite outer plate - Titanium hanger and pivot bolt - parallelogram with 11s geometry - black anodized forged aluminium upper body - metal-carbon cage - lightened special rubber pulleys - bottom pulley with ceramic bearings - top pulley with ceramic ball bushing	172
	<b>SUPER RECORD™ STD + CT™ 11s front derailleur</b>	braze-on / clip-on: Ø 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 54 – min. chainring 34 - composite and aluminum 11s fork - M-brace™ body - Even-O™ clamp - Z-shape™ lower cage - titanium bolts - antifriction treatment	72
	<b>SUPER RECORD™ ULTRA-SHIFT™ 11s Ergopower™ shifters</b>		for caliper brakes - composite body – ball bearings - lightened carbon brake lever - internal mechanism parts in titanium - Ultra-Shift™ geometry - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	331
	<b>RECORD™ front hub</b>		32 holes - light alloy oversize axle and body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 100 mm - Symmetric Action™ lever on the release	116
	<b>RECORD™ rear hub</b>		32 holes - 9s/10s/11s - light alloy body, axle and one-piece freewheel body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 130 mm - Symmetric Action™ lever on the release	231
	<b>SUPER RECORD™ 11s sprockets</b>	11-23, 11-25, 12-25, 12-27	5 steel and 6 titanium - nickel-chromed finish for steel sprockets - light alloy carrier - light alloy supports for the final two triplets - 11s timing - 11s tooth machining - 11s light alloy lockring, thread 27x1	177
	<b>RECORD™ 11s chain</b>		width 5,5 mm - Ni-PTFE Finish - 114 links - requires Ultra-Link™ for 11s chain - lightened links - hollow pins - 11s outer link - new material for outer link	2,12/ link **

## SUPER RECORD™ 2009

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>SUPER RECORD™ Ultra-Torque™ Carbon 10s crankset</b>	170, 172.5, 175, 177.5, 180 mm, 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts and nuts - light alloy chainrings with ESP Actuation System™ (Enhanced Shifting Performance) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	646
	<b>SUPER RECORD™ Ultra-Torque™ CT™ Carbon 10s crankset</b>	170, 172.5, 175 mm	34-50 - full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts and nuts - light alloy chainrings with ESP Actuation System™ (Enhanced Shifting Performance) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	640
	<b>SUPER RECORD™ Ultra-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	49
	<b>Ultra-Torque™ OS-Fit™ integrated cups</b>	86,5x41, BB30	aluminium - integrated cups for oversize shells	29
	<b>RECORD™ Pro-Fit Plus™ pedals</b>		Titanium axle - light alloy body - with floating (standard) or fixed (optional) cleats - composite axle fixing nuts - polished aluminium finish - broad support base - release adjustment display - sealed cartridge axle	266
	<b>SUPER RECORD™ D Skeleton™ brakes</b>		brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - ball bearings - light alloy and titanium hardware - brake pads orbital adjustment - lightened rear brake - skeletonized arms - special pad compound	275
	<b>Reggisella RECORD™ Carbon</b>	27,2 / 250 31,6 / 350	composite tube - clamp for seat tube - knurling pitch: 0.5 mm - composite upper clamp - forged aluminium head - special steel screw with rolled thread	185



## SUPER RECORD™ 2009








	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>RECORD™ headset</b>		BC 1"x24tpi - height 36.5 mm - light alloy with steel inserts - cup and cone system	104
	<b>RECORD™ Threadless™ headset</b>	1", 1-1/8"	for unthreaded fork tube - height 24.5 mm - composite cover and light alloy fixing screw - lubrication port - cup and cone system - patented centering system	110
	<b>RECORD™ Hiddenset™ headset</b>	1-1/8", 1-1/8" TTC™	internal headset for unthreaded fork tube - version 1-1/8": height 5.9 mm, version 1-1/8" TTC™: height 15.9 mm - patent pending system - composite and light alloy fixing screw and cap - cup and cone system	73
	<b>RECORD™ water-bottle carrier</b>		monocoque carbon, supplied with water-bottle	18
	<b>RECORD™ cable guide plate</b>		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5

\* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release.  
The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.

\*\* Example: 2,12 x 108 links = 229 g








## RECORD™ 2009







	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>RECORD™ 11s rear derailleur</b>		upper to lower pulley-axle: 55 mm - composite outer plate - parallelogram with 11s geometry - forged aluminium upper body - metal-carbon cage - lightened special rubber pulleys - pulley movement with ceramic ball bushings	179
	<b>RECORD™ STD + CT™ 11s front derailleur</b>	braze-on / clip-on: Ø 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 54 – min. chainring 34 - composite and aluminum fork - M-brace™ body - Even-O™ clamp - Z-shape™ lower cage - antifriction treatment	75
	<b>RECORD™ ULTRA-SHIFT™ 11s Ergopower™ shifters</b>		for caliper brakes - composite body and levers – ball bearings - Ultra-Shift™ geometry - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	338
	<b>RECORD™ front hub</b>		32 holes - light alloy oversize axle and body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 100 mm - Symmetric Action™ lever on the release	116
	<b>RECORD™ rear hub</b>		32 holes - 9s/10s/11s - light alloy body, axle and one-piece freewheel body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 130 mm - Symmetric Action™ lever on the release	231
	<b>RECORD™ 11s sprockets</b>	11-23, 11-25, 12-25, 12-27	8 steel and 3 titanium - nickel-chromed finish for steel sprockets - light alloy supports for the final two triplets - 11s timing - 11s tooth machining - 11s light alloy locking, thread 27x1	201
	<b>RECORD™ 11s chain</b>		width 5,5 mm - Ni-PTFE Finish - 114 links - requires Ultra-Link™ for 11s chain - lightened links - hollow pins - 11s outer link - new material for outer link	2,12/ link **



## RECORD™ 2009

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>RECORD™ Ultra-Torque™ Carbon 11s crankset</b>	170, 172.5, 175 mm, 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts and nuts - light alloy chainrings with ESP Actuation System™ (Enhanced Shifting Performance) - chainrings with hard anodization treatment - 8 pins on the large chainring - USB™ bearings (Ultra Smooth Bearings) - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	650
	<b>RECORD™ Ultra-Torque™ CT™ Carbon 11s crankset</b>	170, 172.5, 175 mm	34-50 - full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts and nuts - light alloy chainrings with ESP Actuation System™ (Enhanced Shifting Performance) - chainrings with hard anodization treatment - 8 pins on the large chainring - USB™ bearings (Ultra Smooth Bearings) - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	644
	<b>RECORD™ Ultra-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	49
	<b>Ultra-Torque™ OS-Fit™ integrated cups</b>	86,5x41, BB30	aluminium - integrated cups for oversize shells	29
	<b>RECORD™ Pro-Fit Plus™ pedals</b>		Titanium axle -light alloy body - with floating (standard) or fixed (optional) cleats - composite axle fixing nuts - polished aluminium finish - broad support base - release adjustment display - sealed cartridge axle	266
	<b>RECORD™ D Skeleton™ brakes</b>		brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - ball bearings - light alloy hardware - brake pads orbital adjustment - lightened rear brake - skeletonized arms - special pad compound	282
	<b>RECORD™ Carbon seat post</b>	27,2 / 250 31,6 / 350	composite tube - clamp for seat tube - knurling pitch: 0.5 mm - composite upper clamp - forged aluminium head - special steel screw with rolled thread	185

## RECORD™ 2009

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>RECORD™ headset</b>		BC 1"x24tpi - height 36.5 mm - light alloy with steel inserts - cup and cone system	104
	<b>RECORD™ Threadless™ headset</b>	1", 1-1/8"	for unthreaded fork tube - height 24.5 mm - composite cover and light alloy fixing screw - lubrication port - cup and cone system - patented centering system	110
	<b>RECORD™ Hiddenset™ headset</b>	1-1/8", 1-1/8" TTC™	internal headset for unthreaded fork tube - version 1-1/8": height 5.9 mm, version 1-1/8" TTC™: height 15.9 mm - patent pending system - composite and light alloy fixing screw and cap - cup and cone system	73
	<b>RECORD™ water-bottle carrier</b>		monocoque carbon, supplied with water-bottle	18
	<b>RECORD™ cable guide plate</b>		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5








\* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release. The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.

\*\* Example: 2,12 x 108 links = 229 g











## CHORUS™ 2009

CHORUS™ 4<sup>th</sup> SPEED

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>CHORUS™ 11s rear derailleur</b>		upper to lower pulley-axle: 55 mm - composite outer plate - parallelogram with 11s geometry - forged aluminium upper body - lightened special rubber pulleys	192
	<b>CHORUS™ STD + CT™ 11s front derailleur</b>	braze-on / clip-on: Ø 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 54 - min. chainring 34 - light alloy fork with antifriction treatment - M-brace™ body - Even-O™ clamp - Z-shape™ lower cage	76
	<b>CHORUS™ ULTRA-SHIFT™ 11s Ergopower™ shifters</b>		for caliper brakes - composite body and levers - ball bearings - Ultra-Shift™ geometry - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	339
	<b>RECORD™ front hub</b>		32 holes - light alloy oversize axle and body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 100 mm - Symmetric Action™ lever on the release	116
	<b>RECORD™ rear hub</b>		32 holes - 9s/10s/11s - light alloy body, axle and one-piece freewheel body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 130 mm - Symmetric Action™ lever on the release	231
	<b>CHORUS™ 11s sprockets</b>	11-23, 11-25, 12-25, 12-27	steel - nickel-chromed finish - light alloy supports for the final two triplets - 11s timing - 11s tooth machining - 11s light alloy locking, thread 27x1	236
	<b>CHORUS™ 11s chain</b>		width 5,5 mm - Ni-PTFE Finish - 114 links - requires Ultra-Link™ for 11s chain - 11s outer link - new material for outer link	2,24/ link **

## CHORUS™ 2009







	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>CHORUS™ Ultra-Torque™ Carbon 11s crankset</b>	170, 172.5, 175 mm 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts and nuts - light alloy chainrings with ESP Actuation System™ (Enhanced Shifting Performance) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	690
	<b>CHORUS™ Ultra-Torque™ CT™ Carbon 11s crankset</b>	170, 172.5, 175 mm	34-50 - full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts and nuts - light alloy chainrings with ESP Actuation System™ (Enhanced Shifting Performance) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	684
	<b>RECORD™ Ultra-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	49
	<b>Ultra-Torque™ OS-Fit™ integrated cups</b>	86,5x41, BB30	aluminium - integrated cups for oversize shells	29
	<b>CHORUS™ Pro-Fit Plus™ pedals</b>		steel axle - light alloy body - with floating (standard) or fixed (optional) cleats - composite axle fixing nuts - polished aluminium finish - broad support base - release adjustment display - sealed cartridge axle	325
	<b>CHORUS™ D Skeleton™ brakes</b>		brake-pad height adjustment ratio:40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - brake pads orbital adjustment - lightened rear brake - skeletonized arms - special pad compound	318
	<b>CHORUS™ Carbon seat post</b>	27,2/250 31,6/350	composite tube - clamp for seat tube - knurling pitch: 0.5 mm	195
	<b>RECORD™ water-bottle carrier</b>		monocoque carbon, supplied with water-bottle	18
	<b>RECORD™ cable guide plate</b>		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5

\* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release. The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.








\*\* Example: 2,24 x 108 links = 242 g



## CENTAUR™ 2009








	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>CENTAUR™ 10s rear derailleur</b>	short cage	upper to lower pulley-axle: 55 mm - aluminium bodies - rollers on bushings - rollers in special rubber	220
		medium cage	upper to lower pulley-axle: 72,5 mm - aluminium bodies - rollers on bushings - rollers in special rubber	225
	<b>CENTAUR™ STD + CT™ 9s/10s front derailleur</b>	brazed-on / clip-on: Ø 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - chrome-plated nickel fork - antifriction insert - M-brace™ body - Even-O™ clamp - Z-shape™ lower cage	102
	<b>CENTAUR™ ULTRA-SHIFT™ 10s Ergopower™ shifters</b>		for caliper brakes - double/triple crankset compatible – composite body - aluminium brake lever - ball bearings - Ultra-Shift™ geometry - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	364
	<b>CENTAUR™ ULTRA-SHIFT™ Carbon 10s Ergopower™ shifters</b>		for caliper brakes - double/triple crankset compatible – composite body and brake lever - ball bearings - Ultra-Shift™ geometry - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	339
	<b>CENTAUR™ UD™ 10s sprockets</b>	11-25, 12-23, 12-25, 13-26, 13-29, 14-23	steel - Ultra-Drive™ - single sprockets - nickel-chromed finish - supplied with lockring	235
	<b>CENTAUR™ Ultra-Narrow™ 10s chain</b>		width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra-Drive™ - HD-Link™ for Ultra Narrow™ chain - lightened links	2,36/ link **

## CENTAUR™ 2009







	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>CENTAUR™ Ultra-Torque™ 10s crankset</b>	170, 172.5, 175 mm 39-52, 39-53	forged aluminium cranks - light-alloy sheared-drawn chainrings with antifriction treatment - Ultra-Drive™ chainrings - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	856
	<b>CENTAUR™ Ultra-Torque™ Carbon 10s crankset</b>	170, 172.5, 175 mm 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - light-alloy sheared-drawn chainrings with antifriction treatment - Ultra-Drive™ chainrings - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	711
	<b>CENTAUR™ Ultra-Torque™ CT™ crankset</b>	170, 172.5, 175 mm	34-50 - forged aluminium cranks - light-alloy sheared-drawn chainrings with antifriction treatment - Ultra-Drive™ chainrings - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	835
	<b>CENTAUR™ Ultra-Torque™ CT™ Carbon crankset</b>	170, 172.5, 175 mm	34-50 - full-carbon unidirectional-multidirectional cranks - light-alloy sheared-drawn chainrings with antifriction treatment - Ultra-Drive™ chainrings - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	695
	<b>RECORD™ Ultra-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	49
	<b>Ultra-Torque™ OS-Fit™ integrated cups</b>	86,5x41, BB30	aluminium - suitable to oversize shells	29
	<b>CENTAUR™ D Skeleton™ brakes</b>		brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - brake pads orbital adjustment - forged arms - lightened rear brake - skeletonized arms - special pad compound	334
	<b>RECORD™ cable guide plate</b>		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5



## VELOCE™ 2009

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>VELOCE™ 10s rear derailleur</b>	short cage	upper to lower pulley-axle: 55 mm - aluminium bodies - rollers on bushings - rollers in special rubber	255
		medium cage	upper to lower pulley-axle: 72,5 mm - aluminium bodies - rollers on bushings - rollers in special rubber	260
	<b>VELOCE™ QST™ STD + CT™ 9s/10s front derailleur</b>	brazed-on / clip-on: 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - antifriction insert - chrome-plated nickel fork - surface treatments	92
	<b>VELOCE™ 10s Ergopower™ shifters</b>		for caliper brakes - double/triple crankset compatible - ESCAPE™ mechanism - body made of technopolymer with long glass fibre - aluminium brake lever - silicone hood - brake opening control in the brake lever	351
	<b>VELOCE™ ULTRA-SHIFT™ 10s Ergopower™ shifters</b>		for caliper brakes - double/triple crankset compatible – composite body - aluminium brake lever - ball bearings - Ultra-Shift™ geometry - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	358
	<b>VELOCE™ 10s Ergopower™ FB shifters</b>		for caliper brakes - double/triple crankset compatible - alu-composite body – aluminium brake lever - requires QST™ front derailleur - upshift up to three sprockets - downshift up to three sprockets - rolling mechanism - adjustable brake lever distance - optical gear display - indexed left-hand control	340
	<b>VELOCE™ UD™ 10s sprockets</b>	11-25, 12-23, 12-25, 13-26, 13-29	steel - Ultra-Drive™ - single sprockets - galvanized - supplied with lockring	250
	<b>VELOCE™ Ultra-Narrow™ 10s chain</b>		width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra-Drive™ - requires HD-Link™ for Ultra Narrow™ chain	2,39/ link **

## VELOCE™ 2009










	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>VELOCE™ Ultra-Torque™ 10s crankset</b>	170, 172.5, 175 mm 39-52, 39-53	forged aluminium cranks - light-alloy sheared-drawn chainrings with antifriction treatment - Ultra-Drive™ chainrings - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	856
	<b>VELOCE™ Ultra-Torque™ CT™ 10s crankset</b>	170, 172.5, 175 mm	34-50 - forged aluminium cranks - light-alloy sheared-drawn chainrings with antifriction treatment - Ultra-Drive™ chainrings - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	835
	<b>RECORD™ Ultra-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	49
	<b>Ultra-Torque™ OS-Fit™ integrated cups</b>	86,5x41, BB30	aluminium - suitable to oversize shells	29
	<b>VELOCE™ D Skeleton™ brakes</b>		brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - integrated shoe-holder - lightened rear brake - forged arms - lightened rear brake - skeletonized arms - special pad compound	350
	<b>VELOCE™ brakes</b>		brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - integrated shoe-holder - forged arms - lightened rear brake - special pad compound	327
	<b>RECORD™ cable guide plate</b>		sottoscatola MC - in composito, adatta a scatole oversize - tecnopolimero caricato in PTFE	5

\* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release.  
The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.





\*\* Examples: 2,36 x 108 links = 255 g (Centaur groupset); 2,39 x 108 links = 258 g (Veloce groupset)



## PISTA™ 2009





	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>RECORD™ PISTA™ front hub</b>	32, 36 holes	light alloy body – lubrication port - small flanges - O.L.D. 100 mm	204
	<b>RECORD™ PISTA™ rear hub</b>	32, 36 holes	light alloy body – lubrication port - small flanges - O.L.D. 120 mm	284
	<b>RECORD™ PISTA™ crankset</b>	165, 170 mm 47, 48, 49, 50, 51, 52	requires b.b. L. 111 mm (asymmetrical)	592
	<b>RECORD™ PISTA™ bottom bracket</b>	ITA, ENG	axle L. 111 mm (asymmetrical) - composite and light alloy cartridge - light alloy cups - without sealings	220
	<b>RECORD™ Pro-Fit Plus™ pedals</b>		Titanium axle - light alloy body - with floating (standard) or fixed (optional) cleats - composite axle fixing nuts - polished aluminium finish - left axle compatible with the ErgoBrain™ magnet	266
	<b>RECORD™ Carbon seat post</b>	27,2 / 250 31,6 / 350	composite tube - clamp for seat tube - knurling pitch: 0.5 mm - composite upper clamp - forged aluminium head - special steel screw with rolled thread	185
	<b>RECORD™ headset</b>		BC 1"x24tpi - height 36.5 mm - light alloy with steel inserts - cup and cone system	104
	<b>RECORD™ Threadless™ headset</b>	1", 1-1/8"	for unthreaded fork tube - height 24.5 mm - composite cover and light alloy fixing screw - lubrication port - cup and cone system - patented centering system	110
	<b>RECORD™ Hiddenset™ headset</b>	1-1/8" 1-1/8" TTC™	internal headset for unthreaded fork tube - version 1-1/8": height 5.9 mm, version 1-1/8" TTC™: height 15.9 mm - patent pending system - composite and light alloy fixing screw and cap - cup and cone system	73

## TIME TRIAL™ 2009

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>bar-end 10s shift levers</b>		composite body and lever	163
	<b>RECORD™ brake levers</b>		composite body and lever	210
	<b>inner chainrings</b>	42,44	Exa-Drive™ system	51
	<b>RECORD™ 10s inner chainrings</b>	54, 55	Exa-Drive™ system	88



COMP TRIPLE™ 2009

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	COMP TRIPLE™ 10s rear derailleur		long cage - upper to lower pulley-axle: 89 mm	238
	COMP TRIPLE™ front derailleur	braze-on / clip-on: Ø 32, 35 mm	for triple crankset - capacity 22 – chainring max 53 - chainring min 30	98
	COMP TRIPLE™ 10s Triple crankset	170, 175 mm 30-40-50, 30-42-53	Ultra-Drive™ chainrings - requires b.b. with L. 111 (for seat tube Ø 28,6 mm) or 115.5 mm (for oversize seat tube Ø 32 or 35 mm)	788
	CENTAUR™ bottom bracket	ITA, ENG 111, 115,5 mm	cartridge b.b. - hollow axle- light alloy cups	233

\* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release.  
The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.



LOW-PROFILE WHEELS

	NOMINAL WEIGHT (G)*	DIAMETER	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH – MM (NOMINAL)	TYPE OF RIM	ASYMMETRICAL HOLES	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES		DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	ULTRALINEAR™ GEOMETRY	NUT/NIPPLE MATERIAL	O.L.D. (MM)	HUB BODY MATERIAL	OVERSIZE HUB AXLE	CULT™ BEARINGS	HUB FINISHING	QR TYPE	COMPATIBILITY
LOW-PROFILE WHEELS																							
HYPERON™ ULTRA™ Two front cl.	575	28"	carb	21/20,5	-		•	carb	22		•	SS	AE DB		•	alu	100	alu/carb	•	•	blk/carb	20	9/10/11 8/9/10
HYPERON™ ULTRA™ Two rear cl.	775	28"	carb	23/20,5	-	•	•	carb	24		•	SS	AE DB		•	alu	130	alu/carb	•	•	blk/carb	20	
HYPERON™ ULTRA™ Two rear cl. (HG)	814	28"	carb	23/20,5	-	•	•	carb	24		•	SS	AE DB		•	alu	130	alu/carb	•	•	blk/carb	20	
HYPERON™ ULTRA™ Two front tub.	520	28"	carb	19/20	-		-	carb	22			SS	AE DB		•	alu	100	alu/carb	•	•	blk/carb	20	9/10/11 8/9/10
HYPERON™ ULTRA™ Two rear tub.	700	28"	carb	21/20	-	•	-	carb	24			SS	AE DB	•	•	alu	130	alu/carb	•	•	blk/carb	20	
HYPERON™ ULTRA™ Two rear tub. (HG)	739	28"	carb	21/20	-	•	-	carb	24			SS	AE DB	•	•	alu	130	alu/carb	•	•	blk/carb	20	
NEUTRON™ ULTRA™ front cl.	630	28"	alu	18/20,5	M		•	black	22			SS	AE DB		•	alu	100	alu/carb	•		blk/carb	20	9/10/11
NEUTRON™ ULTRA™ rear cl.	840	28"	alu	18/20,5	M	•	•	black	24			SS	AE DB	•	•	alu	130	alu/carb	•		blk/carb	20	
NEUTRON™ front cl.	660	28"	alu	18/20,5			•	black	22			SS	AE DB		•	alu	100	alu	•		black	40	
NEUTRON™ rear cl.	890	28"	alu	18/20,5		•	•	black	24			SS	AE DB	•	•	alu	130	alu	•		black	40	9/10/11

KEY  
M = Milled  
MT = Toroidal Milling  
DB = Butted  
AE = Aero

UAE = Ultra Aero  
SS = Stainless steel  
BR = Brass  
QUICK RELEASES: 20, 30, 40

\* The weight of the wheels does not include the quick release.



MEDIUM/HIGH-PROFILE WHEELS


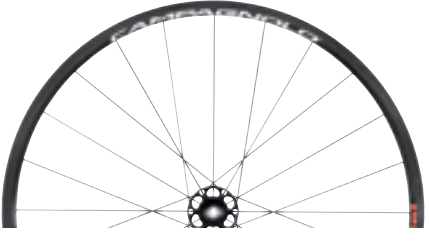


KEY  
M = Milled  
MT = Toroidal Milling  
DB = Butted  
AE = Aero  
  
UAE = Ultra Aero  
SS = Inox  
BR = Ottone  
BLOCCAGGI: 20, 30, 40

\* The weight of the wheels does not include the quick release.

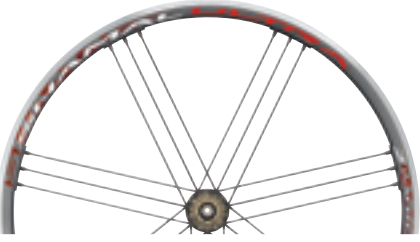



	NOMINAL WEIGHT (G)*	DIAMETER	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH – MM (NOMINAL)	TYPE OF RIM	ASYMMETRICAL HOLES	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES		DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	ULTRALINEAR™ GEOMETRY	NUT/NIPPLE MATERIAL	O.L.D. (MM)	HUB BODY MATERIAL	OVERSIZE HUB AXLE	CULT™ BEARINGS	HUB FINISHING	QR TYPE	COMPATIBILITY	REQUIRES SPECIAL SPROCKET SET
MEDIUM-PROFILE WHEELS																								
SHAMAL™ ULTRA™ 2-Way Fit™ front SHAMAL™ ULTRA™ 2-Way Fit™ rear SHAMAL™ ULTRA™ 2-Way Fit™ rear (HG)	605	28"	alu	24/20,5	MT			titanium	16		•	alu	AE DB		•	alu	100	alu/carb	•		blk/carb	20	9/10/11	
	790	28"	alu	28/20,5	MT	•		titanium	21/G3™		•	alu	AE DB		•	alu	130	alu/carb	•		blk/carb	20	8/9/10	
	829	28"	alu	28/20,5	MT	•		titanium	21/G3™		•	alu	AEDB		•	alu	130	alu/carb	•		blk/carb	20		
EURUS™ 2-Way Fit™ front EURUS™ 2-Way Fit™ rear EURUS™ 2-Way Fit™ rear (HG)	660	28"	alu	24/20,5	MT			black	16		•	alu	AE DB		•	SS	100	alu	•		black	20	9/10/11	
	890	28"	alu	28/20,5	MT	•		black	21/G3™		•	alu	AE DB		•	SS	130	alu	•		black	20	8/9/10	
	929	28"	alu	28/20,5	MT	•		black	21/G3™		•	alu	AE DB		•	SS	130	alu	•		black	20		
SHAMAL™ ULTRA™ front tub. SHAMAL™ ULTRA™ rear tub. SHAMAL™ ULTRA™ rear tub. (HG)	605	28"	alu	24,5/20	MT		-	gold	16		•	alu	AE DB		•	alu	100	alu/carb	•		blk/carb	20	9/10/11	
	790	28"	alu	28,5/20	MT	•	-	gold	21/G3™		•	alu	AE DB		•	alu	130	alu/carb	•		blk/carb	20	8/9/10	
	829	28"	alu	28,5/20	MT	•	-	gold	21/G3™		•	alu	AE DB		•	alu	130	alu/carb	•		blk/carb	20		
SHAMAL™ ULTRA™ front cl. SHAMAL™ ULTRA™ rear cl. SHAMAL™ ULTRA™ rear cl. (HG)	605	28"	alu	24/20,5	MT			gold/ti	16		•	alu	AE DB		•	alu	100	alu/carb	•		blk/carb	20	9/10/11	
	790	28"	alu	28/20,5	MT	•		gold/ti	21/G3™		•	alu	AE DB		•	alu	130	alu/carb	•		blk/carb	20	8/9/10	
	829	28"	alu	28/20,5	MT	•		gold/ti	21/G3™		•	alu	AE DB		•	alu	130	alu/carb	•		blk/carb	20		
EURUS™ front cl. EURUS™ rear cl. EURUS™ rear cl. (HG)	660	28"	alu	24/20,5	MT			slv/blk	16		•	alu	AE DB		•	SS	100	alu	•		slv/blk	20	9/10/11	
	890	28"	alu	28/20,5	MT	•		slv/blk	21/G3™		•	alu	AE DB		•	SS	130	alu	•		slv/blk	20	8/9/10	
	929	28"	alu	28/20,5	MT	•		slv/blk	21/G3™		•	alu	AE DB		•	SS	130	alu	•		slv/blk	20		
ZONDA™ front cl. ZONDA™ rear cl. ZONDA™ rear cl. (HG)	675	28"	alu	24/20,5	M			slv/blk	16		•	SS	UAE		•	BR	100	alu	•		slv/blk	20	9/10/11	
	935	28"	alu	28/20,5	M	•		slv/blk	21/G3™		•	SS	UAE		•	BR	130	alu	•		slv/blk	20	8/9/10	
	974	28"	alu	28/20,5	M	•		slv/blk	21/G3™		•	SS	UAE		•	BR	130	alu	•		slv/blk	20		
SCIROCCO™ front cl. SCIROCCO™ rear cl.	770	28"	alu	24/20,5			•	black	20		•	SS	AE DB			BR	100	alu	-		black	40	9/10/11	
	955	28"	alu	24/20,5			•	black	27/G3™		•	SS	AE DB			BR	130	alu	-		black	40		
VENTO™ REACTION™ front cl. VENTO™ REACTION™ rear cl.	820	28"	alu	24/20,5			•	black	24/G3™		•	SS	DB			BR	100	alu	-		black	40	9/10/11	
	955	28"	alu	24/20,5			•	black	27/G3™		•	SS	DB			BR	130	alu	-		black	40		
KHAMSIN™ front cl. KHAMSIN™ rear cl.	855	28"	alu	24/20,5			•	black	24/G3™		•	SS				BR	100	alu	-		black	40	9/10/11	
	1040	28"	alu	24/20,5			•	black	27/G3™		•	SS				BR	130	alu	-		black	40		
HIGH-PROFILE WHEELS																								
BORA™ ULTRA™ Two front tub. BORA™ ULTRA™ Two rear tub. BORA™ ULTRA™ Two rear tub. (HG)	565	28"	carb	50/20	-		-	carb	18		•	SS	AE DB			alu	100	alu/carb	•	•	blk/carb	20		
	740	28"	carb	50/20	-		-	carb	21/G3™		•	SS	AE DB			alu	130	alu/carb	•	•	blk/carb	20	9/10/11	
	779	28"	carb	50/20	-		-	carb	21/G3™		•	SS	AE DB			alu	130	alu/carb	•	•	blk/carb	20	8/9/10	
GHIBLI™ ULTRA™ rear road	990	28"	alu	D/19	-		-	-	-		-	aramide	-	-		-	132	alu	•	•	-	20		•
GHIBLI™ front trak GHIBLI™ rear trak	955	28"	alu	D/19	-		-	-	-		-	aramide	-	-		-	100	alu			-	-		
	995	28"	alu	D/19	-		-	-	-		-	aramide	-	-		-	120	alu			-	-		
PISTA™ front tub. PISTA™ rear tub.	995	28"	alu	38/20			-	black	20			SS	AE			alu	100	alu			black	-		
	1110	28"	alu	38/20			-	black	24			SS				alu	120	alu			black			



LOW-PROFILE WHEELS





MODEL	FEATURES	
<b>HYPERON™ ULTRA™ TWO™ tubular</b> 	<ul style="list-style-type: none"><li>differentiated front-rear rims</li><li>asymmetrical rear rim</li><li>differentiated spokes</li><li>variable section stainless steel aero spokes</li><li>ultralinear geometry</li><li>nut-plate system with ball coupling</li><li>self-locking nuts</li><li>rear hub with oversize right-hand flange</li><li>carbon hub bodies</li><li>aluminium right-hand rear flange</li><li>Cup and cone CULT™ bearings, standardised front-rear, ceramic 4x15 balls 5/32"</li><li>monolithic FW body</li><li>oversize light-alloy axles</li><li>locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li><li>special brake pads</li></ul>	
<b>HYPERON™ ULTRA™ TWO™ clincher</b> 	<ul style="list-style-type: none"><li>differentiated front-rear rims</li><li>asymmetrical rear rim</li><li>differentiated spokes</li><li>variable section stainless steel aero spokes</li><li>ultralinear geometry</li><li>nut-plate system with ball coupling</li><li>self-locking nuts</li><li>dynamic balancing</li><li>rear hub with oversize right-hand flange</li><li>carbon hub bodies</li><li>aluminium right-hand rear flange</li><li>Cup and cone CULT™ bearings, standardised front-rear, ceramic 4x15 balls 5/32"</li><li>monolithic FW body</li><li>oversize light-alloy axles</li><li>locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li><li>special brake pads</li></ul>	
<b>NEUTRON™ ULTRA™</b> 	<ul style="list-style-type: none"><li>polyagonal rim</li><li>differentiated front-rear rims</li><li>rear rim with asymmetrical drilling</li><li>milled rims on the front bridge</li><li>welded joint and machined sides</li><li>differentiated spokes</li><li>variable section stainless steel aero spokes</li><li>ultralinear geometry</li><li>nut-plate system with ball coupling</li><li>self-locking nuts</li><li>rear hub with oversize right-hand flange</li><li>carbon and aluminium hub bodies</li><li>cup and cone bearings</li><li>4x15 balls 5/32" stainless steel</li><li>standardised front-rear bearings</li><li>monolithic FW body</li><li>oversize light-alloy axles</li><li>locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li></ul>	
<b>NEUTRON™</b> 	<ul style="list-style-type: none"><li>polyagonal rim</li><li>differentiated front-rear rims</li><li>rear rim with asymmetrical drilling</li><li>welded joint and machined sides</li><li>differentiated spokes</li><li>variable section stainless steel aero spokes</li><li>ultralinear geometry</li><li>nut-plate system with ball coupling</li><li>self-locking nuts</li><li>cup and cone bearings</li><li>4x15 balls 5/32" stainless steel</li><li>standardised front-rear bearings</li><li>monolithic FW body</li><li>oversize light-alloy hub and axle bodies</li><li>locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li></ul>	

MEDIUM-PROFILE WHEELS




MODEL	FEATURES	
<b>SHAMAL™ ULTRA™ 2-WAY FIT™</b> 	<ul style="list-style-type: none"><li>2-Way Fit™ rim profile</li><li>Tubeless compatible</li><li>rim with toroidal milling</li><li>welded joint and machined sides</li><li>dynamic balancing</li><li>variable section aluminium aero spokes</li><li>selected rims</li><li>differentiated front-rear rims</li><li>G3 geometry™ (rear)</li><li>aluminium nipples</li><li>oriented spoke holes</li><li>ultralinear geometry</li><li>carbon-aluminium hub bodies</li><li>oversize right-hand rear flange</li><li>cup and cone bearings</li><li>4x15 balls 5/32" stainless steel</li><li>standardised front-rear bearings</li><li>monolithic FW body</li><li>oversize light-alloy axles</li><li>locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li><li>undrilled top bridge</li></ul>	
<b>EURUS™ 2-WAY FIT™</b> 	<ul style="list-style-type: none"><li>2-Way Fit™ rim profile</li><li>Tubeless compatible</li><li>rim with toroidal milling</li><li>welded joint and machined sides</li><li>dynamic balancing</li><li>variable section aluminium aero spokes</li><li>differentiated front-rear rims</li><li>G3 geometry™ (rear)</li><li>oriented spoke holes</li><li>ultralinear geometry</li><li>aluminium hub bodies</li><li>oversize right-hand rear flange</li><li>cup and cone bearings</li><li>4x15 balls 5/32" stainless steel</li><li>standardised front-rear bearings</li><li>monolithic FW body</li><li>oversize light-alloy axles</li><li>locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li><li>undrilled top bridge</li></ul>	
<b>SHAMAL™ ULTRA™</b> 	<ul style="list-style-type: none"><li>rim with toroidal milling</li><li>welded joint and machined sides</li><li>dynamic balancing</li><li>variable section aluminium aero spokes</li><li>selected rims</li><li>differentiated front-rear rims</li><li>G3 geometry™ (rear)</li><li>aluminium nipples</li><li>oriented spoke holes</li><li>ultralinear geometry</li><li>carbon-aluminium hub bodies</li><li>oversize right-hand rear flange</li><li>cup and cone bearings</li><li>4x15 balls 5/32" stainless steel</li><li>standardised front-rear bearings</li><li>monolithic FW body</li><li>oversize light-alloy axles</li><li>locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li><li>undrilled top bridge</li></ul>	
<b>EURUS™</b> 	<ul style="list-style-type: none"><li>rim with toroidal milling</li><li>welded joint and machined sides</li><li>dynamic balancing</li><li>variable section aluminium aero spokes</li><li>differentiated front-rear rims</li><li>G3 geometry™ (rear)</li><li>oriented spoke holes</li><li>ultralinear geometry</li><li>aluminium hub bodies</li><li>oversize right-hand rear flange</li><li>cup and cone bearings</li><li>4x15 balls 5/32" stainless steel</li><li>standardised front-rear bearings</li><li>monolithic FW body</li><li>oversize light-alloy axles</li><li>locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li><li>undrilled top bridge</li></ul>	



MEDIUM-PROFILE WHEELS




MODEL	FEATURES	
ZONDA™	<div></div> <ul style="list-style-type: none"><li>• milled rim</li><li>• welded joint and machined sides</li><li>• dynamic balancing</li><li>• aero stainless steel spokes</li><li>• differentiated front-rear rims</li><li>• G3 geometry™ (rear)</li><li>• oriented spoke holes</li><li>• ultralinear geometry</li><li>• aluminium hub bodies</li><li>• oversize right-hand rear flange</li><li>• cup and cone bearings</li></ul> <ul style="list-style-type: none"><li>• 4x15 balls 5/32" stainless steel</li><li>• standardised front-rear bearings</li><li>• monolithic FW body</li><li>• oversize light-alloy axles</li><li>• locking with light-alloy Symmetric Action™ lever</li><li>• undrilled top bridge</li></ul>	
SCIROCCO™	<div></div> <ul style="list-style-type: none"><li>• machined sides</li><li>• dynamic balancing</li><li>• variable section stainless steel aero spokes</li><li>• G3 geometry™</li><li>• aluminium hub bodies</li><li>• sealed industrial bearings</li><li>• monolithic FW body</li><li>• locking with light-alloy Symmetric Action™ lever</li></ul>	
VENTO™ REACTION™	<div></div> <ul style="list-style-type: none"><li>• machined sides</li><li>• dynamic balancing</li><li>• variable section stainless steel aero spokes</li><li>• G3 geometry™</li><li>• aluminium hub bodies</li><li>• oversize flanges</li><li>• sealed industrial bearings</li><li>• monolithic FW body</li><li>• locking with light-alloy Symmetric Action™ lever</li></ul>	
KHAMSIN™	<div></div> <ul style="list-style-type: none"><li>• machined sides</li><li>• dynamic balancing</li><li>• stainless steel spokes</li><li>• G3 geometry™</li><li>• aluminium hub bodies</li><li>• sealed industrial bearings</li><li>• monolithic FW body</li><li>• locking with light-alloy Symmetric Action™ lever</li></ul>	

HIGH-PROFILE WHEELS

MODEL	FEATURES	
BORA™ ULTRA™ TWO™	<div></div> <ul style="list-style-type: none"><li>• hollow 50 mm carbon rim</li><li>• differentiated spokes</li><li>• variable section stainless steel aero spokes</li><li>• ultralinear geometry</li><li>• nut-plate system with ball coupling</li><li>• self-locking nuts</li><li>• dynamic balancing</li><li>• rear hub with oversize right-hand flange</li><li>• carbon hub bodies</li></ul> <ul style="list-style-type: none"><li>• aluminium right-hand rear flange</li><li>• Cup and cone CULT™ bearings, standardised front-rear, ceramic 4x15 balls 5/32"</li><li>• monolithic FW body</li><li>• oversize light-alloy axles</li><li>• locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li><li>• special brake pads</li></ul>	
GHIBLI™ ULTRA™	<div></div> <ul style="list-style-type: none"><li>• aramidic fibre tensile structure</li><li>• disc profile</li><li>• braking surface in aluminium</li><li>• aluminium hub bodies</li><li>• Cup and cone CULT™ bearings, ceramic 4x15 balls 5/32"</li><li>• monolithic FW body</li><li>• oversize light-alloy axles</li><li>• locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li></ul>	
PISTA™	<div></div> <ul style="list-style-type: none"><li>• aero aluminium rim</li><li>• aero stainless steel spokes</li><li>• nut-plate system with ball coupling</li><li>• self-locking nuts</li><li>• track hubs with steel axle</li></ul>	



# HIGH-PROFILE WHEELS

MODEL	FEATURES
<b>BORA™ ULTRA™ TWO™</b> 	<ul style="list-style-type: none"> <li>• hollow 50 mm carbon rim</li> <li>• differentiated spokes</li> <li>• variable section stainless steel aero spokes</li> <li>• ultralinear geometry</li> <li>• nut-plate system with ball coupling</li> <li>• self-locking nuts</li> <li>• dynamic balancing</li> <li>• rear hub with oversize right-hand flange</li> <li>• carbon hub bodies</li> <li>• aluminium right-hand rear flange</li> <li>• Cup and cone CULT™ bearings, standardised front-rear, ceramic 4x15 balls 5/32"</li> <li>• monolithic FW body</li> <li>• oversize light-alloy axles</li> <li>• locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li> <li>• special brake pads</li> </ul>
<b>GHIBLI™ ULTRA™</b> 	<ul style="list-style-type: none"> <li>• aramidic fibre tensile structure</li> <li>• disc profile</li> <li>• braking surface in aluminium</li> <li>• aluminium hub bodies</li> <li>• Cup and cone CULT™ bearings, ceramic 4x15 balls 5/32"</li> <li>• monolithic FW body</li> <li>• oversize light-alloy axles</li> <li>• locking with light-alloy lever housing and Symmetric Action™ light-alloy lever</li> </ul>
<b>PISTA™</b> 	<ul style="list-style-type: none"> <li>• aero aluminium rim</li> <li>• aero stainless steel spokes</li> <li>• nut-plate system with ball coupling</li> <li>• self-locking nuts</li> <li>• track hubs with steel axle</li> </ul>



# AN AVANT-GARDE INDUSTRIAL SET-UP

IN ITS HQ AT VIA DELLA CHIMICA IN VICENZA YOU WILL FIND ALL THE PROFESSIONALISM AND SKILL THAT CAMPAGNOLO® EMPLOYS IN THE PRODUCTION OF ITS COMPONENTS. THE COMPOSITE MATERIALS DEPARTMENT, WHERE THE CARBON FIBRE IS WORKED, AND THE ADVANCED TESTING UNIT CONTRIBUTE TO THE FORMATION OF A STRUCTURE THAT DISTRIBUTES ITS PRODUCTS ALL OVER THE WORLD.



## THE COMPANY

In each Campagnolo® product you will find **the experience, the know-how and manual skills** of over 400 employees in the historical HQ at Via della Chimica in Vicenza. Five branches and nine agencies covering 30 countries provide for the ramified distribution of our products worldwide.

## COMPOSITE MATERIALS AREA

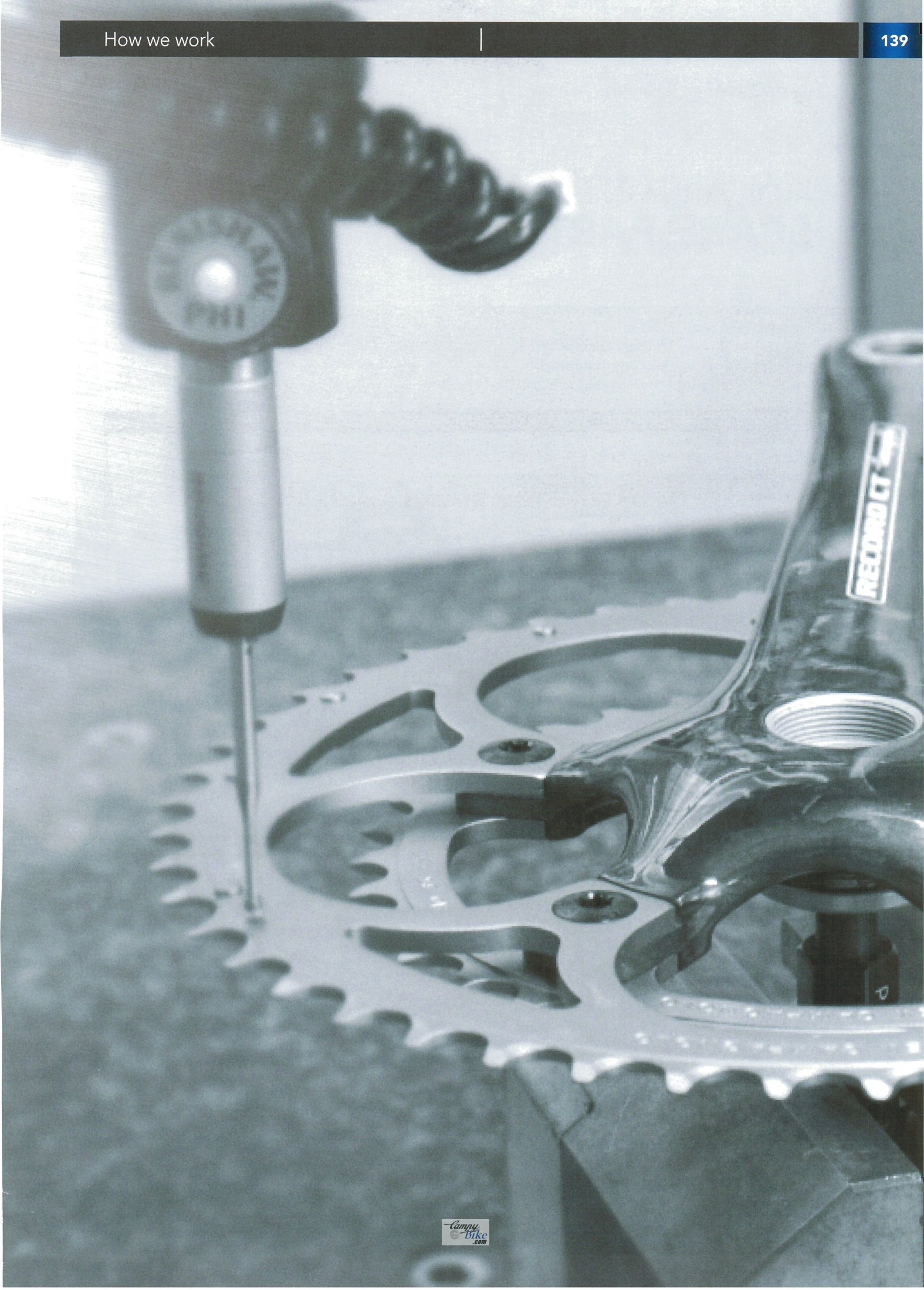
Created at the end of the Nineties, **the Composite Materials Unit produces all the Campagnolo® parts and components in carbon** and employs all of 135 people. The working of carbon fibre requires great manual skills for die preparation, laying the laminations and in the finishing processes. The output belongs to the sphere of advanced industrial technology.



## TESTS AND INSPECTIONS

To validate our products we have created **special laboratory machines that reproduce the stresses of use on the road**. We control the behaviour over time and the fatigue life through test protocols drawn up by ourselves and which habitually exceed the limits laid down by international testing technical standards.







## ORIGINAL SPARE PARTS

With our Original Spare Parts your Campagnolo® product will stay an original.

Why choose an original Campagnolo® spare part? For the safety, reliability and certainty found in the **spare parts designed specifically** for Campagnolo® wheels and components. They have very strict tolerances in order to guarantee **impeccable operation**.

In line with our mission, the original spare parts are built following one criteria: maintaining Campagnolo's® unrivaled quality.

The only good reason for not having original Campagnolo® spares, is that you haven't made the jump to Campagnolo® products yet.



• New Campagnolo® Original Spare Parts packaging

## TRACEABILITY: A GUARANTEE OF QUALITY

The keyword for our products is: traceability. If you find a little **label affixed** to Campagnolo® products, **don't remove it**. This is because it is there to provide you with a **guarantee** that in the event of the ascertained defectiveness of a production batch your component or wheel will be traceable.

All this because, faithful to its mission, Campagnolo® demands absolute perfection and safety for its customers.

0116870  
BR7-CE18  
848670 0629



EAN



8 033148 850055

Imballo



0 115692



Weight 0.33

RD7-CEXS

Made in Italy

0102520

CENTAUR 10s rear der. short cage



# CAMPAGNOLO® TOOLS

Campagnolo® tools are made from the best materials available and are designed specifically for use with Campagnolo® components.

Unlike the working instruments generally available over the counter, which are a compromise between various products offered by the market, Campagnolo® tools are designed and constructed to be used specifically on Campagnolo® products.

The use of high-grade steel clearly explains why Campagnolo® tools are known to last forever.



• New tool for 11 Speed-chain

# CAMPAGNOLO® PRO-SHOP™

The Pro-Shop™ is our showcase to the world. In order not to disappoint consumers' expectations we are in fact able to communicate with you through our impressive worldwide network of sales outlets.

The Pro-Shops™ have been selected directly by Campagnolo® to guarantee professionalism and highly qualified support to maintain and service all Campagnolo® components and wheels.

This project confirms the company's desire and interest in guaranteeing professionalism at the sales level and complete after-sales support.





# CAMPAGNOLO IN THE WORLD

## HEADQUARTERS:

### ITALY

CAMPAGNOLO S.R.L.  
Via della Chimica, 4  
36100 Vicenza - ITALY  
Phone: +39-0444-225500  
Fax: +39-0444-225400

## SUBSIDIARIES:

### FRANCE

CAMPAGNOLO FRANCE EURL  
ZA du Tissot - 42530 St Genest - Lerpt  
FRANCE  
Phone: +33-477-556305  
Fax: +33-477-556345

### GERMANY

CAMPAGNOLO DEUTSCHLAND GMBH  
Alte Garten 62  
51371 Leverkusen - GERMANY  
Phone: +49-214-206953-0  
Fax: +49-214-206953-15

### JAPAN

CAMPAGNOLO JAPAN LTD  
65 Yoshida-cho, Naka-ku, Yokohama  
231-0041 JAPAN  
Phone: +81-45-264-2780  
Fax: +81-45-241-8030

### SPAIN

CAMPAGNOLO IBERICA S.L.  
Avda. de Los Huetos 46, pab. 3-2ª fila  
01010 Vitoria - SPAIN  
Phone: +34-945-217195  
Fax: +34-945-217198

### UNITED STATES

CAMPAGNOLO NORTH AMERICA INC.  
5431 Avenida Encinas, Suite C -  
CARLSBAD CA 92008 - U.S.A.  
Phone: +1-760-9310106  
Fax: +1-760-9310991

## AGENCIES:

### AUSTRALIA

CYCLING PROJECTS  
Shop 1 - 86 King Street  
NSW 2193 Ashbury - AUSTRALIA  
Tel. +61-2-97992407  
Fax +61-2-97992107

### BENELUX

INTERNATIONAL  
CYCLE CONNECTION I.C.C.  
Handelspoort 3A  
4538 BN Terneuzen  
NETHERLAND  
Tel. +31 (0)115 649321  
Fax +31 (0)115 649110

### EAST EUROPE

FIRMA GALLIZIA  
10. Oktoberstrasse 7 - 9800  
Spittal/Drau AUSTRIA  
Tel. +43-4762/2275  
Fax +43-4762/2275

### DENMARK - SWEDEN - NORWAY - FINLAND

MARKER SCANDINAVIA  
Ledreborg Alle 10 - DK-4320 Lejre  
DENMARK  
Tel. +45-70228075  
Fax +45-46498088

### SOUTH AMERICA AND MEXICO

GEORGE PANARA  
Sao Paulo - BRASIL  
Tel.: +55 11 4436 9123  
Fax: +55 11 4436 12 13

### TAIWAN, MAINLAND CHINA, VIETNAM

COLMAX INTERNATIONAL LTD  
No. 42, Alley 30, Lane 300  
Section 2, Zhong Hwa S. Road  
Tainan 702, TAIWAN  
Tel. +886-6-265 6001  
Fax +886-6-265 1388

### UNITED KINGDOM

SELECT CYCLE COMPONENTS  
The White House  
Main Street  
NEWTON NI13 8HN - ENGLAND  
Tel. +44-0780260628  
Fax +44-1949-829039

## TECHNICAL INFORMATION:

### ITALY (CENTRAL)

Phone: +39-0444-225600  
Fax: +39-0444-225400

### FRANCE

Phone: +33-477-554449  
Fax: +33-477-556345

### GERMANY

Phone: +49-214-206953-20  
Fax: +49-214-206953-15

### SPAIN

Phone: +34-945-217195  
Fax: +34-945-217198

### U.S.A.

Phone: +1-760-9310106  
Fax: +1-760-9310991

### JAPAN

Phone: +81-45-264-2780  
Fax: +81-45-241-8030



# CAMPAGNOLO SERVICE CENTER

The Service Center is the reference point for all Campagnolo® dealers and its aim is to provide an adequate after-sales service to Campagnolo® users. Service Centers are a territorial extension of Campagnolo srl and work exclusively with dealers, no exceptions made.

The Service Centers handle two activities: After-sales Service and Spare Parts Service.

The After-sales Service provides technical assistance for products under guarantee or otherwise, enabling cyclists to enjoy the first-class characteristics of Campagnolo® products for

long, without forfeiting safety, performance and endurance.

The Spare Parts Service handles the distribution of spare parts. Campagnolo® possesses a large inventory of spare parts and is able to replenish its distribution system adequately in relatively short times.

We therefore advise you to refer to your Campagnolo® dealer for any expert action required by your bikes - these dealers are the only ones supported by the constant, skilled collaboration of Campagnolo® Service Centers.

## ITALY - Central Service Center

CAMPAGNOLO SRL HEADQUARTERS  
Via della Chimica, 4 - 36100 VICENZA  
Tel. +39-0444-225605  
Fax +39-0444-225606  
E-mail: service@campagnolo.com

## AUSTRALIA

CYCLING PROJECTS  
Shop 1 - 86 King Street  
NSW 2193 Ashbury  
Tel. +61-2-97992407  
Fax +61-2-97992107

## AUSTRIA - GERMANY

CAMPAGNOLO DEUTSCHLAND GMBH  
Alte Garten 62  
51371 LEVERKUSEN  
Tel. +49-214-206953-20  
Fax +49-214-206953-15

## BENELUX

INTERNATIONAL CYCLE CONNECTION I.C.C.  
Handelspoort, 3A  
4538 BN TERNEUZEN  
Netherlands  
Tel. +31-115-649321  
Fax +31-115-649110

## CANADA

CYCLES MARINONI INC  
1067, Levis - LACHENAIE  
QUEBEC J6W 4L2  
Tel. +1-450-4717133  
Fax +1-450-4719887

GREAT WESTERN BICYCLE CO. LTD.  
232 West 7th Ave.  
VANCOUVER, BC V5Y 1M1  
Tel. +1-604-8722446  
Fax +1-604-8720226

## CZECH REPUBLIC

KOLA SIRER  
V Plzenske Brane 1  
26601 BEROUN  
Tel. 00420 311 621355  
Fax 00420 311 625492

## DENMARK - FINLAND - NORWAY - SWEDEN

MARKER SCANDINAVIA  
Ledreborg Allé 10 - DK-4320 Lejre  
DENMARK  
Tel. +45-70228075  
Fax +45-46498088

## ESTONIA

DENARO TEAM OÜ  
Tammsaare Tee, 62  
11316 Tallin  
Tel. 0037 25051209  
Fax 0037 26779051

## FRANCE

CAMPAGNOLO FRANCE EURL  
ZA du Tissot  
42530 St Genest - Lerpt  
Tel. +33-477-556305  
Fax +33-477-556345

## GREECE

CYCLES FIDUSA - GIORGIO VOYATZIS & CO.  
Th. Sofuli 97  
85100 Rhodos  
Tel. +30-2241 021264  
Fax +30-2241 021519

## ISRAEL

AMIT LEVINSON LTD  
25 Sheshet Hayamim Str. - Qiryat Haim  
POB 252 ZIP 26101  
Tel. +972-4-8405649  
Fax +972-4-8423913

## JAPAN

CAMPAGNOLO JAPAN LTD  
65 Yoshida-cho, Naka-ku, Yokohama  
231-0041 JAPAN  
Phone: +81-45-264-2780  
Fax: +81-45-241-8030

## KOREA

COMET BICYCLE ASSOCIATION  
226-20 Duckpungdong Hanamsi  
Kyounggido  
Tel. +82-31-7958357/8358  
Fax +82-31-7958359

## NEW ZEALAND

WH WORRALL CO. LTD.  
43 Felix St./Penrose - P.O. Box 12481  
Auckland  
Tel. +64-9-6360641  
Fax +64-9-6360631

## SINGAPORE

TRIMEN VENTURES PTE LTD  
705 Sims Drive  
#01-16 Shun Li Industrial Complex  
Singapore 387384  
Tel: +65 6354 3030  
Fax: +65 6354 3020

## SPAIN

CAMPAGNOLO IBERICA S.L.  
Avda. de Los Huecos 46 Pab. 31  
01010 VITORIA  
Tel. +34-945-217195  
Fax +34-945-217198

## SLOVAC REPUBLIC

ZANZO S.R.O.  
Kysucky Lieskovec 421  
02334 BRATISLAVA  
Tel. 00421 245 523721  
Fax 00421 245 249404

## SOUTH AFRICA

CYCLING J&J (PTY) LTD.  
169 Meerlust Street - Willow Glen PRETORIA  
Tel. +27-012-8075570  
Fax +27-012-8074267

## SWITZERLAND

SWISSBIKE PIERO ZURINO GMBH  
Pilatusstr. 4 - 6036 Dierikon  
Tel. +41-41-7485550  
Fax +41-41-7485551

## U.G.D. SPORT DIFFUSION S.A.

La Tailie - 2053 CERNIER  
Tel. +41-32-8536363  
Fax +41-32-8536464

## TAIWAN, MAINLAND CHINA, VIETNAM

COLMAX INTERNATIONAL LTD  
No. 42, Alley 30, Lane 300  
Section 2, Zhong Hwa S. Road  
Tainan 702, TAIWAN  
Tel. +886-6-265 6001  
Fax +886-6-265 1388

## UNITED KINGDOM

WELD TECH  
Unit B 12 Parkside Commercial Centre  
YO213 JP YORK  
Tel. +44(0)7812610225  
Tel. +44(0)7802758469

## UNITED STATES

CAMPAGNOLO NORTH AMERICA INC.  
5431 Avenida Encinas, Suite C  
CARLSBAD CA 92008  
Tel. +1-760-9310106  
Fax +1-760-9310991

## OCHSNER INT. INC

246 E. Marquardt Drive - WHEELING  
IL 60090-6430  
Tel. +1-847-4658200  
Fax +1-847-4658282

## QUALITY BIC. PRODUCTS

6400 W. 105th Street  
BLOOMINGTON, MN 55438-2554  
Tel. +1-952-9419391  
Fax +1-952-9419799

## THE HAWLEY COMPANY, INC.

1181 South Lake Drive  
Lexington, SC 29073-7744  
Tel. +1-803.359.3492 x 192  
Fax +1-803.359.1343



**CAMPAGNOLO S.R.L.**

Via della Chimica, 4  
36100 Vicenza - ITALY  
Phone: +39 0444 225500  
Fax: +39 0444 225400  
[www.campagnolo.com](http://www.campagnolo.com)

Printed in Italy 08/2008

Dear Friend,

We have tried to be precise but would like to apologize for any mistakes that there might be in this catalogue. We must also point out that we reserve the right to change products, surface finish and specifications at any moment without prior notice. For further information, please visit our site [www.campagnolo.com](http://www.campagnolo.com), which is regularly updated.

Campagnolo®, Campy™, Super Record™, Record™, Chorus™, EPS™, CT™, Centaur™, Veloce™, Mirage™, Xenon™, ESP™, ESP ACTUATION SYSTEM™, Ultra-Shift™, Vari-Cushion™, No-Bulge™, OS-Fit™, Ultra-Link™, CULT™, USB™, 2-Way Fit™, Ultra-Fit™ Tubeless, Hyperon™, Neutron™, Proton™, Eurus™, Zonda™, Scirocco™, Vento™, Reaction™, Bora™, Ghibli™, Pista™, Khamsin™, Shamal™, Time Trial™, Ergobrain™, Symmetric Action™, Z-shape™, M-brace™, Even-O™, Superlative™, Floating-Link-Action™, HD-Link™, HD-L™, Exa-Drive™, Ultra-Drive™, Pro-Fit™, Pro-Fit PLUS™, Differential brakes™, Threadless™, Hiddenset™, Hiddenset TTC™, TTC™, Ergopower™, BB System™, C10™, C9™, ED™, UD™, Ultra Narrow™, Ultra-Torque™, UT™, Ultra-Hollow™, Skeleton™, Quick Shift™, QS™, Escape™, Infinite™, Champ Triple™, Race Triple™, Comp Triple™, HPW™, G3™, Grouped Spokes™, DPRO™, Dual Profile™, Ultralinear-Geometry™, Ultralinear™, Differential rims™, Differential spokes™, Asymmetric™, Ultra™, Ultra Aero™, Full Carbon™, Multidirectional™, Unidirectional™, AC-H™, AC-S™, SC-S™, Big™, Miro™, Pro-Shop™, Tecnologia ed Emozione™, are Campagnolo Srl Trademarks.

Cronitect® is a registered Trademark of Schaeffler Group



*Campagnolo*®



[www.campagnolo.com](http://www.campagnolo.com)