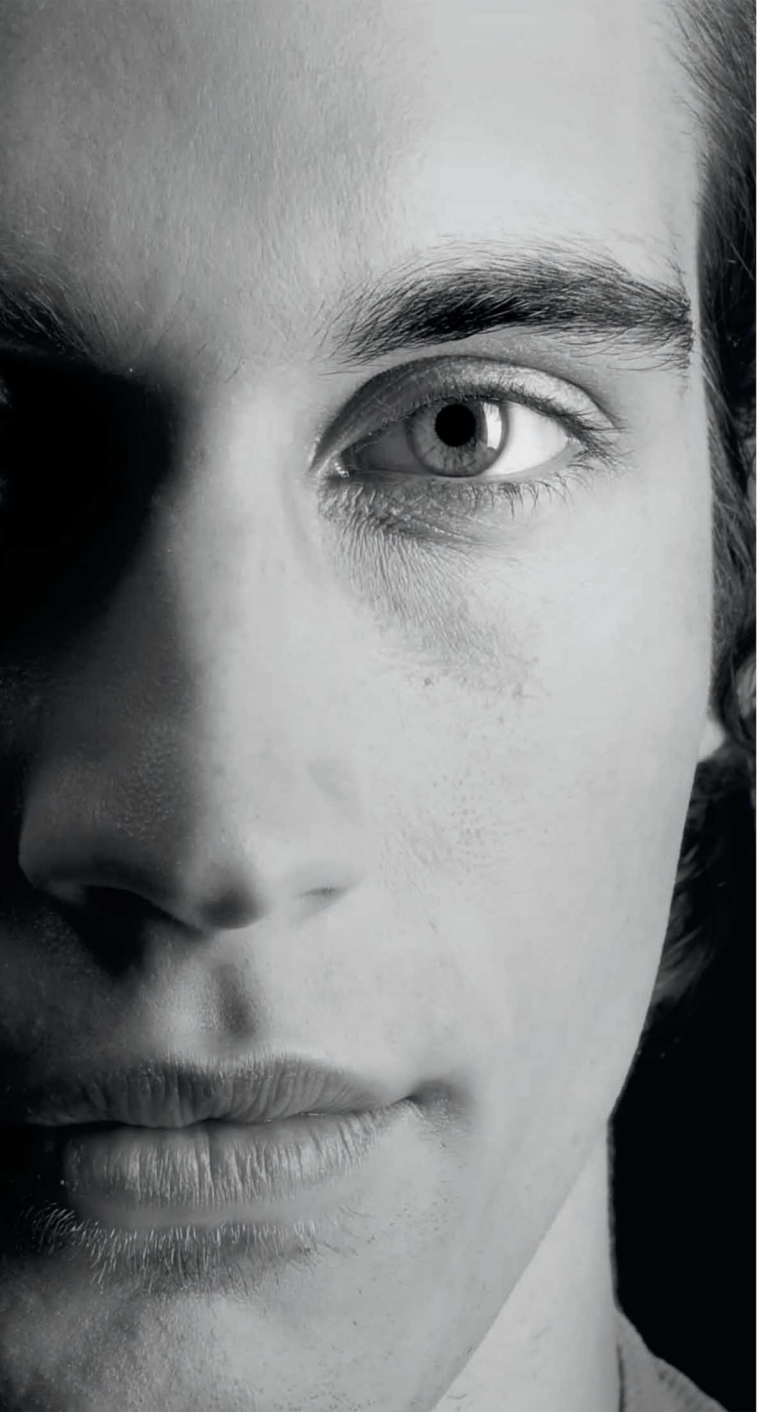

Campagnolo
PURE PERFORMANCE
2012
ENG



Paolo.
His passion for
cycling began long before
getting onto the saddle.
He just needs to browse
through the pages
of this catalogue.

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Campagnolo











Francisco'.
He knows that in order to win
you have to give your best
until the end. He expects no less
from his groupset.

'Francisco Jose Ventoso























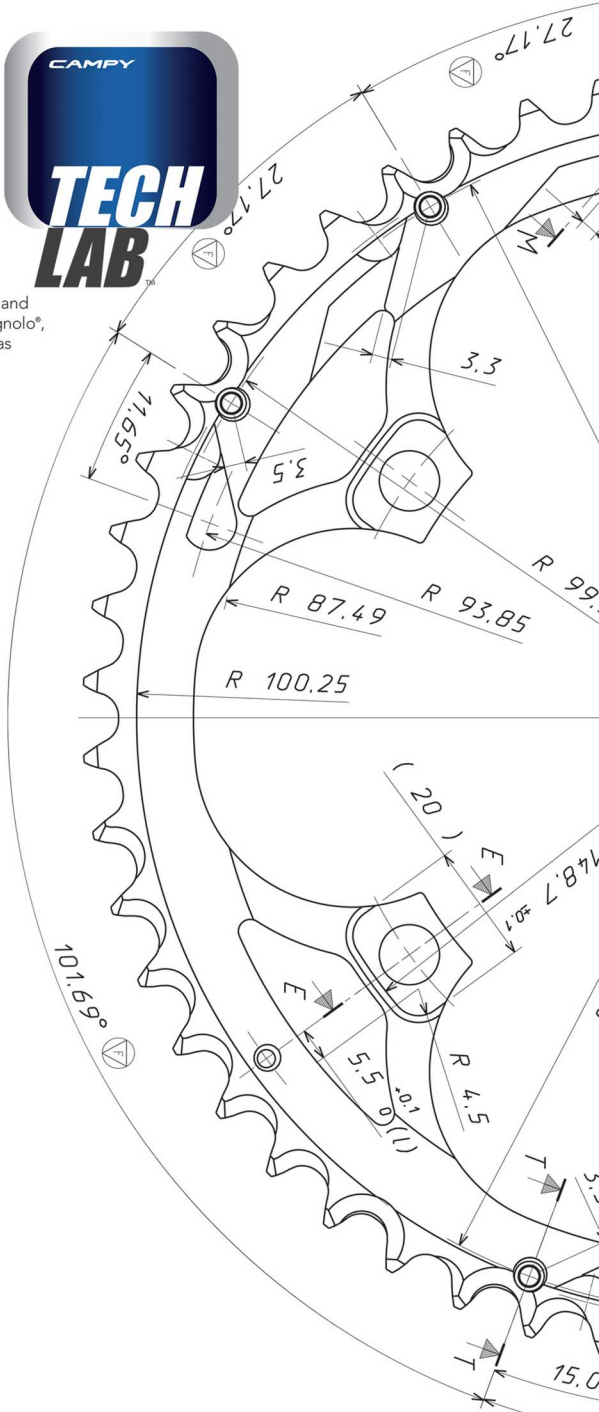
PRO-TEAMS 2011

Exertion, sweat, breakaways and final sprints: they're all synonyms of passion, performance, and goals to be achieved.
And they're also the ingredients that make up the life of the pros whose passion has become their professional life, their dreams and goals.
Goals that can be achieved thanks to the commitment, effort, and determination that these champions demand of themselves and of those who supply them with the tools they need in order to compete and win.
The quest for excellence and victory is the daily challenge that links Campagnolo with the champions: when you've achieved one goal, there's always the next one.
Campagnolo 11-speed drivetrains are the banner that joins, accompanies, and in many cases mitigates the exertion and efforts of hosts of professionals as well as many non-professional enthusiasts.

2011 PRO-TEAMS	BICYCLE BRAND	COUNTRY TEAM
Lampre-ISD	Wilier Triestina	Italy
Team Colnago - CFS Inox	Colnago	Italy
Team De Rosa - Ceramica Flaminia	De Rosa	Italy
G.S. Nippo Feudi S. Marzano	Kyklos	Italy
Europcar	Colnago	France
Cofidis Competition	Look	France
Omega Pharma/Lotto	Canyon	Belgium
Quick Step	Eddy Merckx	Belgium
Topsport - Vlaanderen	Eddy Merckx	Belgium
Movistar	Pinarello	Spain
Aisan Racing Team	Wilier Triestina	Japan

CAMPY TECH LAB

It's the pride and joy of our company, the beating heart that delivers the innovations and the innumerable patents that over the years have contributed to creating and preserving the Campagnolo® legend.
Inside the **Campy Tech Lab™**, highly sophisticated products are designed, tested, and developed that embody the DNA of Campagnolo®, a company that in its almost 80 years of life has made bicycle history and finds its maximum expression and reason for existence in this container of experience, passion, and abnegation for innovation.
The **Campy Tech Lab™** is imbued with a culture of thinking projected into the future, constant analysis of what can be improved but above all what we really want to innovate.
Here, designing a drivetrain or a wheel means first and foremost sharing the concept of technology at the service of real people, where the design objective cannot be a single one but has to incorporate the right balance between equally important factors: performance, reliability, quality, design, and safety.
Safety is the common denominator at Campagnolo®: the standards that the **Campy Tech Lab™** imposes on the products it develops exceed even up to five times those prescribed by the regulations, because our most indispensable aim is to protect the rider.
And then the victories of so many champions of the past and present, who with our products have realised and continue to realise their most fantastic dreams, represent the essence of excellence and the quest for the maximum performance that the **Campy Tech Lab™** makes available to all cycling lovers who day by day take our technologies out onto the roads of the world… and you know very well that no one ever wins by chance.



QR CODE®: Campagnolo®'s technologies on your smartphone

Campagnolo® offers you a great opportunity. In this catalogue will find a series of two-dimensional matrix codes called QR codes® (see sample image), which will enable you to access a series of in-depth videos on Campagnolo®'s technologies on your smartphone.
To see the videos on your smartphone, please follow these simple instructions.
Scan the QR code® and follow the instructions given by the reading software.
Your smartphone will connect to Campagnolo®'s mobile website and you will be able to see the videos you wish to access.
The service is free of charge, except for internet connection costs from your operator. Please contact your operator for the best data traffic rates available.
If your smartphone does not have a QR code® reader, an internet search with the words "QR code® reader" will allow you to download a free one online.

SCAN THE TWO-DIMENSIONAL MATRIX CODE WITH YOUR SMARTPHONE AND DISCOVER ALL THE INFORMATION ON CAMPAGNOLO®'S TECHNOLOGIES.

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CULT™

ERGOPOWER POWER CONTROL™

ULTRA SHIFT SYSTEM™

POWER TORQUE SYSTEM™

EXTREME PERFORMANCE SHIFTING SYSTEM™

ULTRA TORQUE™



10 AND 11 SPEED CRANKSETS

Campagnolo® cranksets are the best you could ever want for your bicycle.
From Super Record™ to Veloce, every detail is designed and engineered with the utmost attention to provide the maximum performance.
The carbon fibre cranks incorporate our Ultra-Hollow Structure (UHS™) technology to provide the maximum lightness and strength; the chainrings have been designed and engineered to give the maximum shifting performance (X.P.S.S.™ e MPS™), and thanks to the use of ball/bearing systems like USB™ and CULT™, you can be sure to not lose even one watt of power.

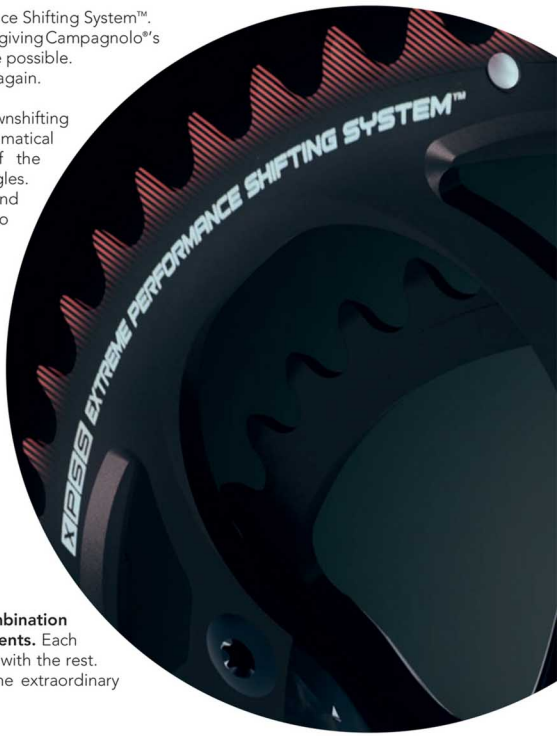
XPSS EXTREME PERFORMANCE SHIFTING SYSTEM™

This is not just the acronym of eXtreme Performance Shifting System™.
X.P.S.S.™ incorporates a project with a specific goal: giving Campagnolo®'s 11-speed groupsets the best shifting performance possible.
And the Campy Tach Lab™ has hit the mark once again.

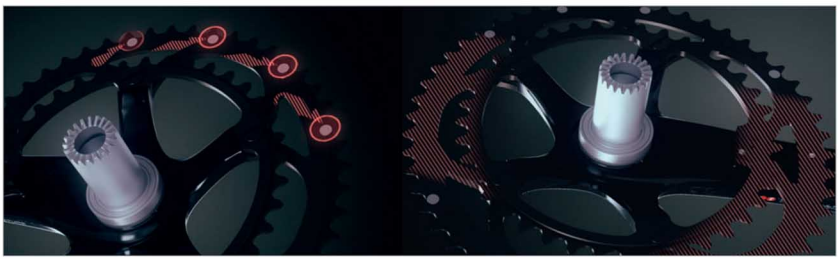
The new design of the chains up shifting and downshifting has been analysed to the smallest detail with mathematical functions to simulate possible movements of the chain on the chainrings and design optimal angles. Furthermore, repeated lab tests on the speed and precision of the shifting action have allowed us to complete the product's optimization.

The profile of the chainring teeth is constructed to make their action extremely effective and to be in perfect harmony with the 11-speed chain and with **the cleverly shaped** front derailleur to accompany the movement of the chain with extreme speed and precision, even under load.





The secret of this amazing result is a perfect combination and integration of all the drive train's components. Each one of them is designed to perfectly fit and work with the rest. This is the only way you will be able to enjoy the extraordinary performance of the X.P.S.S.™ system.



MPS MICRO PRECISION SHIFTING™ SYSTEM

Campagnolo® is constantly focused on the performance of its groupsets for all its ranges, from Super Record™ to Veloce™.
Its Micro Shifting Performance™ fully reflects this philosophy.
Indeed, our Centaur™ and Veloce™ can attain shifting performances never reached before in a 10-speed group set. Absolute precision, speed and a reduction of the distance covered by the chain when moving from one chainring to another are in line with the performances of the "bigger" 11-speed groupsets.
Mechanical work on the outer chainring is proof of the obsessive attention to detail and the persistence of the engineers at our Campy Tech Lab™ expect the maximum performance from all of Campagnolo's products. The result is amazing and now moving from one chainring to another, even under load, will no longer be a problem!



MPS™:
Optimised design of the up-shift and down-shift zones and of the profile of the teeth – enables fast and precise shifting in all types of conditions.





8 CHAIN UP SHIFTING AREAS AND 2 CHAIN DOWNSHIFTING AREAS:
faster and more precise shifting, even under stress.

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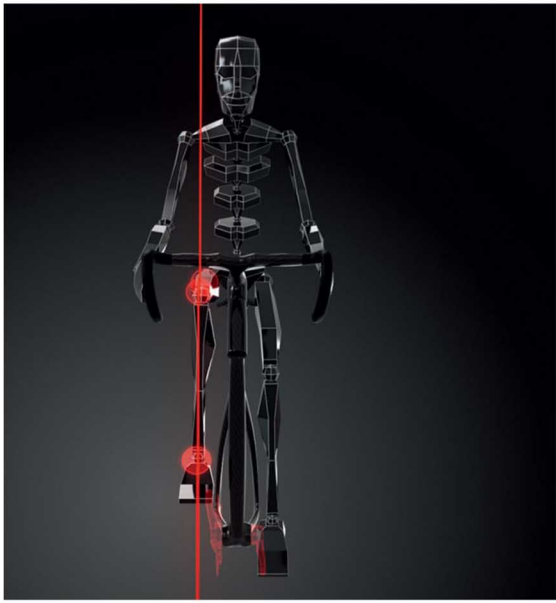
ULTRA TORQUE™

Lightness, rigidity, and easy maintenance: Ultra-Torque™.

Six years after introducing the Ultra-Torque™ system, it is still considered, the best performing crank-set spindle in terms of stiffness, low weight and efficiency of power transmission.

Campagnolo® found a way to permanently conjoin the semi-axles of the bottom bracket to the respective crankset arms.

This redesign made it possible to considerably **reduce the lateral dimensions at the axle level** and prevent annoying contact with the ankles when turning the pedals.



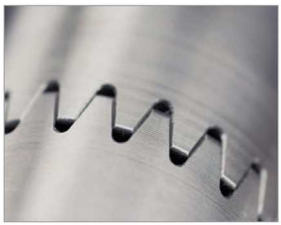




Assembly is simplistic: **one single oversize bolt is enough to integrate the two semi-axles**
With regard to torque transmission efficiency, this system is equally as effective as a single piece axle.

Furthermore, despite the narrow side profile, we have been able to position the bearings outside the bottom bracket shell, resulting in greater axle rigidity from the increased axle diameter. This breakthrough was obtained by using an ingenious mechanical system derived from many years' motoring experience in the rotation axle and engine shaft coupling sector: the **Hirth joint**. In short, this is a joint with self-centring and self-aligning frontal teeth located in the middle of the bottom-bracket axle where the ends of the semi-axles, integrated with the crankset arms, come into contact.





SCAN THE TWO-DIMENSIONAL MATRIX CODE WITH YOUR SMARTPHONE AND DISCOVER ALL THE INFORMATION ON THIS TECHNOLOGY..

POWER TORQUE SYSTEM™

Since 2011, the Athena 11s, Centaur, and Veloce groupsets feature the Power Torque™ system. The new solution was immediately applauded and embraced with enthusiasm thanks to the incredibly high level of performance found in these mid-range groupsets, as well as the ease of use and the high reliability

The axle is a single piece firmly fixed to the right crank of the crankset. The perfect coupling between bottom bracket and left crank is assured by the **special geometry of the two components**, a solution that guarantees the maximum reliability.

To make the bottom bracket more efficient, we also worked on the inner part. Thanks to an elaborate sequence of thicknesses, we were able to obtain an incredibly **light axle** while offering an absolute response in terms of rigidity**.** Thanks to the studies conducted by the Campy Tech Lab™ engineers, material was removed in the zones that could be lightened but at the same time the points of maximum stress were strengthened. Only in this way was it possible to achieve such a high technical value.

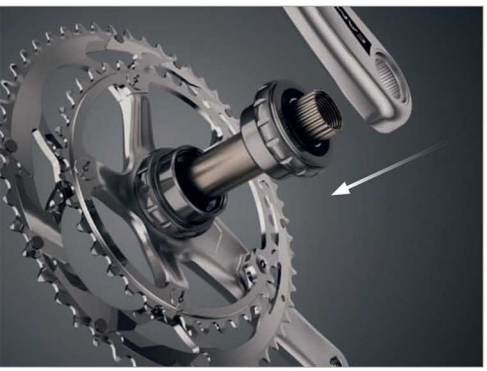
A careful study of the dimensions made it possible to maintain the lateral measurements already appreciated with the Ultra Torque™ system, thus guaranteeing the **maximum freedom of movement** and reducing the possibility of contact with the rider's shoes.



The Campagnolo® engineers concentrated on ensuring that installation and servicing would be extremely simple. The most complicated work has been done, so now it's up to you to carry out four simple steps to fit the Power Torque System™ crankset quickly and with no potential for error.









The right-hand bearing is already locked in the axle in correspondence with the crankset; the other is pre-inserted in the left-hand cup. No special tool is required, and the new crankset is ready to propel you over endless miles. That's right, because another one of the objectives of the Power Torque System™ project was prolonged operating resistance.

The tests conducted by the Campy Tech Lab™ were very exacting in this regard. Now it's your turn.

SCAN THE TWO-DIMENSIONAL MATRIX CODE WITH YOUR SMARTPHONE AND DISCOVER ALL THE INFORMATION ON THIS TECHNOLOGY.

CERAMIC ULTIMATE LEVEL TECHNOLOGY
MAXIMUM SMOOTHNESS FOR MAXIMUM PERFORMANCE

To understand what CULT™ is all about and what advantages it offers in terms of the performance of the wheels and cranksets that apply this technology, there's only one thing to do: try it!
We could describe it, praise its performance features, and give you the technical specifications, but it's impossible to transmit the real sensations and the differences you can perceive right from the first pedal rotation with wheels and cranksets bearing the CULT™ name.
…But in any case, Campagnolo® wants to illustrate the exceptional results shown by the products using CULT™ technology during the tests carried out by the Campy Tech Lab™ engineers.



CULT™ is the combination of the highest quality ceramic ball bearings available on the market and races made of **Cronitect®**, chromium stainless steel, i.e. the technological wonder made by the German company Schaeffler. Ceramic ball bearings make it possible to reduce friction to the minimum and maintain consistent performance over time; bearing races made of Cronitect® with thermochemical surface treatment make the sliding surface of the bearings extremely hard and resistant to wear.
But that's not all. Friction of the wheel and crankset is extremely reduced thanks to the minimal lubrication system required by CULT™: only a thin film of oil in the place of the grease traditionally used.



The results from the Campy Tech Lab™?
Surprising and beyond all expectations:

- 9 times smoother than the standard solutions.
- Resistance to corrosion: zero wear and tear on bearings and balls.
- Friction coefficient: the lowest in the world of cranksets thanks to lubrication with oil instead of grease.
- 3,5 Watt more power at each pedal stroke, increasing along with the increase in speed.

Even more surprising are the results achieved on the road. The smoothness of your pedal stroke increases with the increase in speed and the sensation is consistently fluid and efficient pedalling.
CULT™ will enable you to boost your performance, but that's not all. Thanks to the new materials with extremely high hardness coefficients, the performance of your crankset will be totally unaltered over time.
The technology and the materials of the CULT™ system make it possible to lubricate with just a thin layer of oil rather than grease normally used for the parts subject to friction. This enables a friction coefficient that is nine times less than the standard and more than 3,5 watts extra power for each pedal stroke.





CERAMIC 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 the Record™ cranksets, the Shamal™ Ultra™ wheels and all the wheels in the Bullet Ultra™ and Bullet™ range.







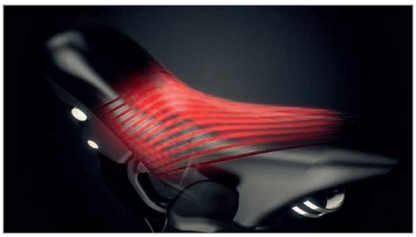


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CAMPAGNOLO® CONTROLS

Not only Ergopower™. Campagnolo® can now count on another ally in the race against time thanks to the brand new 10- and 11-speed controls for Triathlon and Time Trial racing.
The big novelty for 2012 that complete our controls' range together with the Ergopower™ controls, the maximum in terms of ergonomics and performance.

CONTROLS CAMPAGNOLO® ERGOPOWER™



MULTI-DENSITY VARI-CUSHION™ HOOD:
greater softness in the palm support area - greater rigidity in the gripping area.



ERGONOMICS

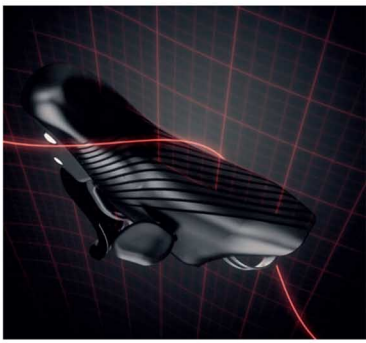
The shape of the body conforms to your hands perfectly.
The body of the control reproduces exactly the asymmetry of the human hand. This increases the contact with the palm and allows for various riding positions, ensuring maximum safety in all riding positions.





COMFORT

The shape allows you to easily reach the levers, regardless of your riding position and the size of your hands.
The studies conducted on the position of cyclists' hands, showed three different steering positions depending on the course and the steering style. Based on these studies, Campagnolo® created the particular and exclusive form of the Ergopower™ controls that enable you to steer with safety and comfort. In addition, **the special insert for large hands increases the distance of the levers by 8%, creating sufficient space for braking and shifting, always with the maximum safety.** The Vari-Cushion™ system is the shock absorber that envelops the body of the controls. **The particular geometry of the hoods made of material of variable density,** stretchy and hypoallergenic, absorbs vibrations, enabling you to stay in the saddle for many hours without hand fatigue.







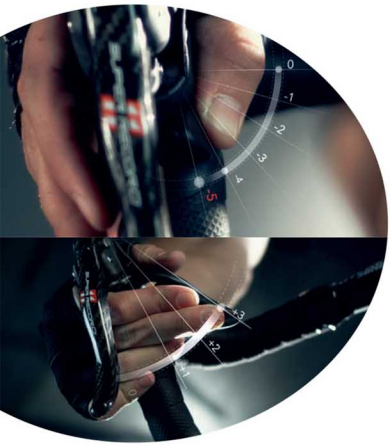
EFFECTIVE BRAKING

The lever's Ultra-Shift™ shape lets you squeeze the brakes with greater power. In particular, **it allows you to brake powerfully and promptly**. when the hands are gripping high up. This is a plus that will allow professionals to chat with greater peace of mind before getting on with the serious business.

SCAN THE TWO-DIMENSIONAL MATRIX CODE WITH YOUR SMARTPHONE AND DISCOVER ALL THE INFORMATION ON THIS TECHNOLOGY.

ERGOPOWER™ ULTRA-SHIFT™ CONTROLS

Quickly take the lead and leave your rivals motionless.
The Ultra-Shift™ control by Campagnolo® is regarded by everyone as the fastest and most precise. Thanks to the Ultra-Shift™ patented system; **you can move the chain simultaneously up 3 sprockets and then 5 down.** Furthermore, the lever design allows for an ever lighter shifting, whilst maintaining the "click" sound featured on all Campagnolo® controls. The Ultra-Shift™ system is featured on Super Record™, Record™ and Chorus™ 11 Speed groupset ranges.



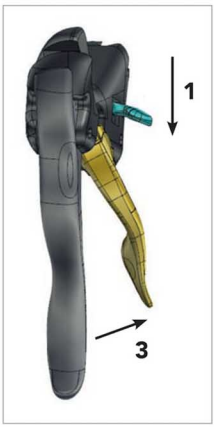


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ERGOPOWER™ POWER-SHIFT™ CONTROLS



A system that is both user-friendly and high-performing, with no compromises.
Once again, the design for Campagnolo®'s controls has reached extraordinary levels: the "one lever – one control" system, greatly appreciated by riders all over the world, remains. The system has the same ergonomics successfully tested on our Ergopower™ controls and comfort is ensured by the Vary-Cushion™ hoods along with the numerous ergonomic solutions of the well-tested Ultra-Shift™.
With the Power-Shift™ system designed by Campy Tech Lab™ and featured on our 2011 Athena™ 11 Speed, Centaur™ and Veloce™ 10 Speed groupset ranges, **you can move up 3 sprockets at a time and move down by one**. Controls have been designed to maximize shifting performances: precision and speed will enhance the qualities of your Campagnolo® drivetrain and will allow you to face all kinds of routes with zero concerns.



POWER SHIFT SYSTEM™ MECHANISM:
User-friendly - 3-sprocket up shifting, and 1-sprocket downshifting in a single stroke.

CAMPAGNOLO® TT BAR-END CONTROLS

The concentration of technology in a space reduced by 33% compared to the traditional Campagnolo® Ergopower™ controls.

The new bar-end shifters have been developed in collaboration with time-trial racing pros. In terms of ergonomics, the result is highly significant: for the triathlete or time trialist, at the moment in which he needs to shift, these controls reduce the movements of the fingers and the hand to the minimum, without losing the position of maximum aerodynamics and without diverting energies from the fluid motion of the pedal stroke.



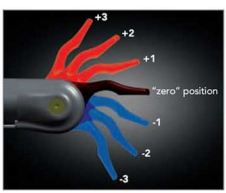
The exclusive Return-to-Zero system makes it possible to keep the lever always in the optimal start position (you can choose the best start position depending on the type of handlebar and on the best ergonomics). Thanks to this system, the rider maintains the position of maximum aerodynamic penetration and the best position of the fingers on the controls.

But that's not all: one of the most highly appreciated features of Campagnolo® controls has always been the Multi-Shifting System™ system. So also for the Triathlon and Time Trial disciplines, Campagnolo wanted to maintain this extremely important technology, which makes it possible to upshift and downshift one, two, or even three cogs, by the rider's choice.
The front derailleur control also features the Micro-Adjustment System™, which makes it possible to keep the front derailleur cage always in the optimal position.





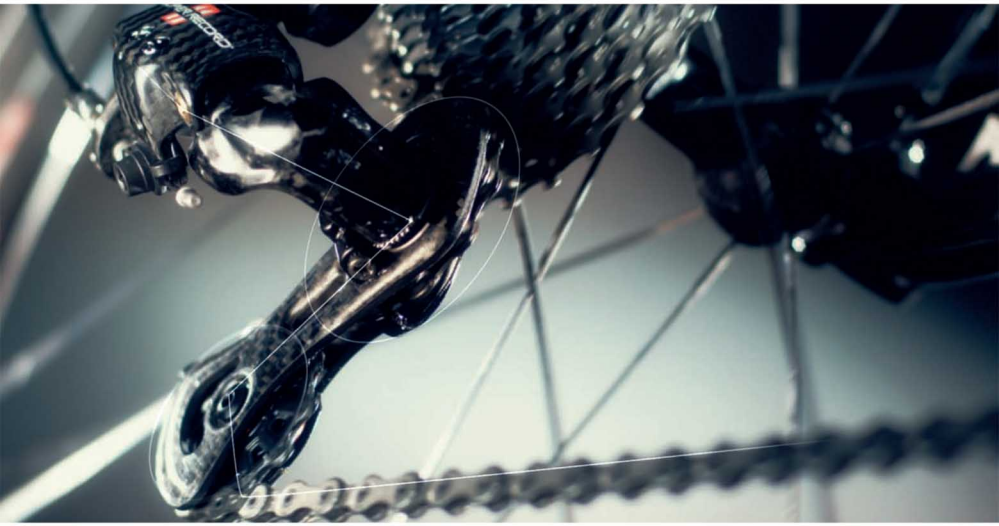
RETURN-TO-ZERO
the control lever always returns to the point of optimal ergonomics and maximum aerodynamic penetration.



MULTI-SHIFTING
makes it possible to choose upshifting or downshifting by 1, 2, or 3 cogs with a single shift.

ULTRA-SHIFT™ REAR DERAILLEUR

On the Campagnolo® rear derailleur you immediately notice the **oversized dimensions of the outer plate** that wraps the lower and upper bodies.



ULTRA-SHIFT™ GEOMETRY:
the exclusive design of the parallelogram makes shifting extremely fast and precise even under stress.

This particular feature, along with the parallelogram, creates the Ultra-Shift™ geometry, the technology that assures the excellent performance of the latest generation of 11-speed and 10-speed drivetrains.

The special form, designed and developed entirely in the Campy Tech Lab™, gives the derailleur an extremely high degree of torsional stiffness. But what's more, the form makes shifting **fast, reactive, and precise in any situation**, even under stress. But for the Super Record™ 11-speed rear derailleur, Campagnolo® wanted to enhance the performance features to make it even more unique, using unidirectional carbon fibre for the upper and lower bodies.

The result: **the first rear derailleur made entirely of carbon fibre**, with a Formula 1 aesthetic and a markedly reduced weight compared to the versions in aluminium. And above all, the overall rigidity of the system is considerably increased, which in terms of performance translates into the **best shifting possible to be found on racing bikes.**



ENVELOPING OVERSIZED PLATE
makes the rear derailleur extremely rigid – reduces the possibility of play, increasing the life and reliability of the rear derailleur.

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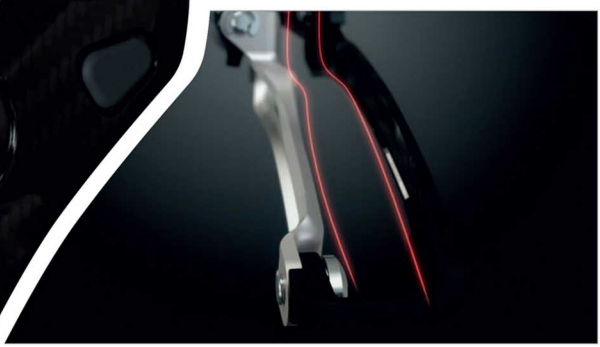
ULTRA-SHIFT™ FRONT DERAILLEUR

11 speeds characterised by the Ultra-Shift™ front derailleur that, thanks to the "funnel" design of the derailleur cage, makes **shifting extremely fast and precise** and enables easy adjustment.
Furthermore, the anti-friction treatment extends their lifetime.

As simple as it is effective and reliable.
The front derailleurs of the 10-speed groupsets have always represented a guarantee of excellent performance.

For this reason, also for the 2012 range Campagnolo® has maintained the same configuration characterised by the **Z-Shape™** design of the inner cage and the M-Brace™ front derailleur body. This combination, thanks to the new design of the MPS™ chainrings, **elevates shifting to incredibly high levels of precision, speed, and reliability.**



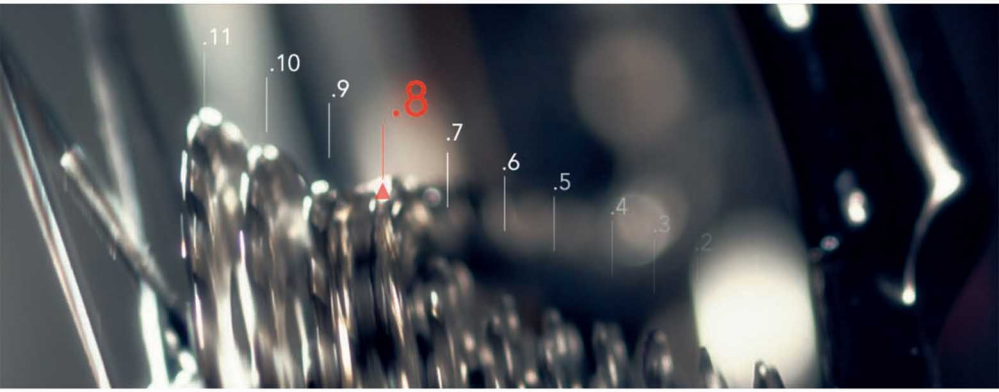




SPECIAL INNER CAGE DESIGN:
greater rigidity – faster shifting – more space for the chain crossovers.

ULTRA-SHIFT™ 11 SPEED SPROCKET SET

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.



REINFORCED MOUNTS FOR SECOND AND THIRD TRIPLETS:
Greater sprocket set rigidity – performance, precision.

The large sprockets 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.



ULTRA-SHIFT™ SYNCHRONIZATION
Sprocket tuning allows for maximum shifting performance without hesitation: fast, accurate, and quiet, even under stress.

ULTRA-DRIVE™ 10 SPEED SPROCKET SET

The Centaur™ 10-Speed and Veloce™ 10-Speed groupsets maintain the Ultra-Drive™ system dedicated to and optimised for 10-speed drivetrains.

The maximum synchronisation between the sprockets and precise machining of the teeth achieve first-class shifting performance.

The Nickel-Chrome surface treatment makes the sprockets extremely resistant and durable and prolongs the life of the chain.









ULTRA-DRIVE™ TEETH DESIGN:
optimized upshifting.

ULTRA-LINK™ 11 SPEED CHAIN



The chain is the component that transmits the power of the pedals to the wheel.
As such, it must be extremely reliable, efficient in transmitting power, able to reduce friction to the minimum, and prove a quick and precise response to the front and rear derailleur controls.
These are characteristics that can be achieved thanks to the combined engineering of chain, gears, and sprockets.

For the links, we used a type of steel with a special Ni-PTFE treatment that, in addition to increasing the resistance by more than 20% with respect to standard steels, reduces friction to the minimum and increases the smoothness of the chain.

The exclusive Ultra-Link™ closing system represents the "key to safety" of the chain for 11-speed drivetrains: the locking pin has been created so that once it is closed using the special UT-CN300 tool, it is absolutely resistant and safe.



11-SPEED CHAIN:
Special steel, 20% stronger – special outer link design for faster shifting even under stress.

HD-LINK™ 10 SPEED CHAIN



For 10-speed groupsets you can choose between two models of chain, both featuring the HD-Link closure system and surface treatment to reduce friction: the CC or the C10, which differ only in the lightening of the outer plates that gives the CC a 2% savings in weight.

The links and pins of the 10-speed chains are designed and optimised to be coupled with the teeth of the Campagnolo® 10-speed gears and sprockets.

This is why Campagnolo® always strongly advises using original components that maintain their excellent shifting performance and prolong the life of the components subject to friction.



10-SPEED CHAIN WITH HD-LINK™ CHAIN LINK FASTENING SYSTEM:
High strength link locking – greater safety and longer chain life.

ULTRA-TORQUE™ INTEGRATED CUPS AND POWER TORQUE SYSTEM™

Uniquely compatible with all the frames on the market.
Thanks to an accurate design focused on our clients' needs, Campagnolo®'s crank sets can be mounted on any kind of frame: from Italian frames to English ones, on 86.5x41 press fits or on oversized bottom brackets with BB30, BBRight, BB90 frames.
This enables us to maintain celebrated benefits such as rigidity, lightness and performance in keeping with the typical timing results measured by Campagnolo®'s crank sets.



What's more, this solution enables you to switch to a different frame in future without having to change the crank set. This is why Campagnolo® has chosen to maintain the well-tested and efficient geometries designed for the Ultra-Torque™ crank set while offering cups compatible on all frames available, firmly believing in oversized bottom bracket shells.

Campagnolo®'s integrated cups, available for both Ultra-Torque™ crank sets and the Power-Torque System™, have the same function standard cups have, along with the extremely important technical advantage of maintaining bearing seating as wide as possible from each other.
This translates into a **considerable reduction of forces acting** on the bearings; the advantage is **smoothnes and** a stable delle **performance over time.**

ULTRA-TORQUE™ CUPS

GROUPSET	Stardard ITA	Stardard ENG	BB30 68X42	86,5X41	BB30 68X46	BB Right
SUPER RECORD						
RECORD						
CHORUS						

POWER TORQUE SYSTEM™ CUPS

GROUPSET	Stardard ITA	Stardard ENG	BB30 68X42	86,5X41	BB30 68X46
ATHENA					
CENTAUR					
VELOCE					

POWER TORQUE SYSTEM™ CUPS FOR CYCLOCROSS

CRANKSETS	Stardard ITA	Stardard ENG
CX 10		
CX 11		

CAMPAGNOLO® BRAKES

Campagnolo® brakes feature an exclusive technology: **the Dual Pivot system.**

What do we mean by Dual Pivot?
It's the exclusive Campagnolo® system that exploits dual pivot points for actuating the brake arms. In other words, in correspondence to force applied by the cyclist on the brake lever, a greater force is applied on the brake caused precisely by the dual pivots.



What are the advantages of the Dual Pivot system?
The dual pivoting of the brake arms makes it possible to increase the actuation force of the brake and to modulate braking based on the needs of the moment, making braking consistently safe and controlled.



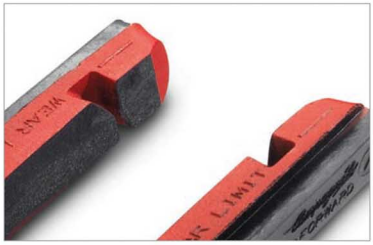
DUAL-PIVOT FRONT BRAKE
DUAL-PIVOT REAR BRAKE

MONO-PIVOT REAR BRAKE



But do cyclists always need braking that is decisive and powerful?
As is well-known, the braking of a road bike is divided into about 70% on the front and 30% on the rear.
The answer, therefore, is certainly positive in the case of the front brake, while for the rear brake, the answer becomes a personal choice and is provided based on the style of riding, weather conditions, and also the material of the braking tracks of the wheels.

This is why, for the Super Record™, Record™, Chorus™ and Athena™ brakes, Campagnolo® offers the two options for the rear brake: mono pivot for those who prefer a lighter brake with a less powerful braking action, and dual pivot for riders who want to have greater braking power on the rear as well.



NEW BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS:
the new blend increases the brake performance on both dry and wet surfaces without increasing the wear and tear on the pad. For a more modular and more secure stop.



LIGHTENED SHOE HOLDERS WITH FACILITATED BRAKE SHOE COUPLING/UNCOUPLING SYSTEM:
reduced weight – facilitates easy brake shoe replacement – greater safety.



Giulia.
During a race expects
the best from herself.
And from her groupset, too.

10 SPEED GROUPSETS

28 | VELOCE™

36 | CENTAUR™

11 SPEED GROUPSETS

44 | ATHENA™

52 | CHORUS™

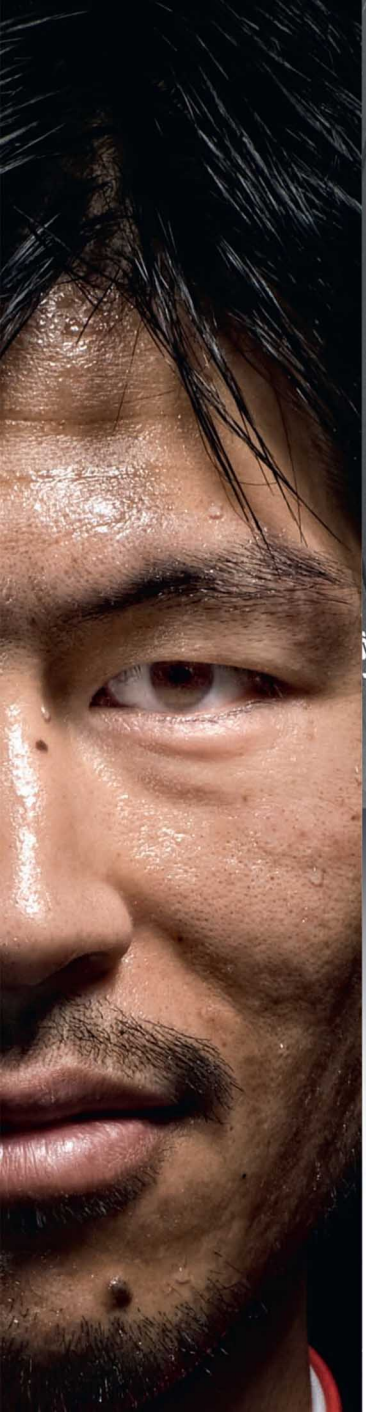
60 | RECORD™

68 | SUPER RECORD™

CAMPAGNOLO® INTEGRATED DRIVETRAINS

ONLY COMPONENTS DESIGNED TO OPERATE TOGETHER CAN GUARANTEE THE MAXIMUM PERFORMANCE

The drivetrain is a complex precision mechanism, and guaranteeing its maximum performance has always been our objective. But what is required to safeguard it?
Metaphorically speaking, a drivetrain is like the human body, where the organs are "designed" to interact with each other and to ensure the ideal operation of the overall "mechanism".
But what happens if we replace an organ?
There are alternative solutions on the market that allow the interaction with the other components that make up a drivetrain but, as in nature, where there are no replicable organs with the exact same DNA, also in the field of mechanical engineering the solutions designed are unique, just like the components of a Campagnolo® drivetrain are unique and integrated.
Only with the Campagnolo® integrated drivetrain system, and thanks to the interaction of all its individual components, can we achieve both ours and your objective: the maximum performance and reliability.
Materials, design, dimensions: Nothing is left to chance. Only in this way can we obtain a group of components with superior performance: a Campagnolo® groupset.





Yoji.
The last person who called him
a "Sunday cyclist" finished
5 minutes behind on Mount Fuji.


VELOCE™
POWER TORQUE SYSTEM™
CAMPAGNOLO.
CAMPAGNOLO.





368 g

Deep Black **Bright Silver**

Colours available for hoods and casings



Special colours upon request of bicycle manufacturers



VELOCE™ ERGOPOWER™ POWER SHIFT™ CONTROLS

Designed for your hands.
An in-depth study of the ergonomics between the hand and the control lever made it possible to achieve a level of safety, comfort, and speed of control far beyond all expectations. On a climb or in a sprint, your hands will always find the ideal position, without compromise.

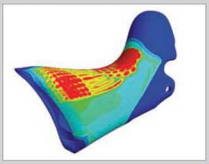
CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



POWER-SHIFT™ MECHANISM:
extremely precise and rapid, it allows you to upshift three sprockets at a time or downshift by one with just a single action.



ULTRA-SHIFT™ ERGONOMICS:
ensures a firm grip on the handlebars with fast and precise control of the levers. The special ergonomic design makes it possible to assume three different hand positions on the levers compared to the two traditional ones.



VARI-CUSHION™ HOOD:
made of non-allergenic elastic material, with variable cushioning that provides the maximum comfort and safety even after many hours on the bike. Thanks to a special treatment, it is resistant to UV rays and maintains its original colours without fading.



DOUBLE CURVATURE BRAKE LEVER:
allows you to engage and modulate the brake safely from any hand position.



Deep Black **753 g**

Bright Silver



VELOCE™ CRANKSET

The Veloce™ crankset adopts the Power Torque System™ also used for its "big brother" Centaur™.
The Power Torque System™ represents the ideal solution for the Campagnolo® 10s drivetrains: high rigidity of cranks and chainrings along with extremely limited weight, efficient power transmission thanks to optimised "Q" and "U" factors, new chainrings with MPS Micro Precision Shifting™ machining of the teeth and new machining on the upward zone of the chain. All this makes the Veloce™ crankset one of the most highly evolved technological solutions, but also one of the most economical, existing on the market.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:

MPS MICRO PRECISION SHIFTING™ SYSTEM



The perfect combination between chainring teeth, chain, and front derailleur. A perfectly synchronous system that enables fast and precise shifting even under load.

POWER TORQUE SYSTEM™



POWER TORQUE SYSTEM™ BOTTOM BRACKET:
pressure on the pedals is transmitted efficiently without any power loss.



8 UP SHIFT AND 2 DOWNSHIFT ZONES:
faster and more accurate shifting, even under stress.



Deep Black

227 g



Bright Silver

VELOCE™ REAR DERAILLEUR

Zero compromise. The Veloce™ rear derailleur raises the bar on 10-speed drivetrains, taking them to even higher levels of performance.
The design of the parallelogram and oversized outer plate, already used for the 11-speed drivetrain, is "enveloping" and makes shifting incredibly fast, precise, and silent.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:





ULTRA-SHIFT™ ALUMINUM LOWER AND UPPER BODY:
lower weight – friction reduction – longer component life.



ALUMINUM PARALLELOGRAM WITH EXCLUSIVE ULTRA-SHIFT™ GEOMETRY:
maximum shifting rigidity, fast actuation, precision, friction reduction.

FEATURES & BENEFITS

- **Special rubber pulleys:** : reduced friction – less noise



258 g

VELOCE™ SPROCKET SET

Chain and sprockets have to work in perfect harmony: this is the reason why we have optimised the profile of the sprocket teeth. The result is perfect synchronisation in traction and rapid shifting thanks to the Ultra-Drive™ design.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-DRIVE™ TEETH DESIGN:
enables consistently responsive, fast, and precise shifting.



SPROCKET SYNCHRONIZATION:
sprocket tuning is carefully designed to make shifting faster and more accurate – less chain stress.

FEATURES & BENEFITS



- **Outer galvanized treatment:** reduces chain/sprocket friction – extends sprockets' life

Bright Silver



98 g

Deep Black



VELOCE™ FRONT DERAILLEUR

Less than 100 grams!
…Plus no compromise in terms of rigidity, precision, and shifting speed. The design of the Veloce™ front derailleur cage enables perfect handling of both traditional and compact cranksets.

FEATURES & BENEFITS

- **Nickel chrome cage:** longer component life – absolute rust protection
- **Compatible for Standard and Compact cranksets:** the groupset can be used with any 10-speed crank set

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



2,39 g/link



HD-LINK™ CHAIN LINK FASTENING SYSTEM:
high strength link locking – greater safety and longer chain life.

VELOCE™ CHAIN

Preventing energy dispersion is possible.
With the Veloce™ chain, power transmission is assured.
The HD-Link™ system protects you from any risk of the chain not keeping traction at the delicate closure point. Silence and fluidity of pedalling are achieved by the perfect machining of the link profile.

FEATURES & BENEFITS

- **5.9mm special steel links:** prolongs chain life, reduces wear on chainrings and sprockets
- **Ni-PTFE antifriction treatment:** reduced friction, smooth pedaling, quiet operation and greater efficiency – longer chain life

Deep Black



325 g



Bright Silver

VELOCE™ BRAKES

You don't have to be a bicycle expert: with the brakes of the Veloce™ groupset you'll have the necessary security at all times. The possibility of orbital brake-pad adjustment makes it possible to obtain the optimal braking torque with any wheel. The forged caliper with double fulcrum design ensures excellent power transmission.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



SPECIAL COMPOUND:
reduction of braking distance on both dry and wet surfaces – longer life for brake pad and rim.

FEATURES & BENEFITS



- **Adjustable shoe holders:** shoe holders on rim's profile can be micro adjusted – longer life for rims and brake pads



- **Special design for forged aluminum brake arms:** greater bend resistance – lighter
- **Dual Pivot front/rear version:** enhanced rear braking



Ingrid.
Doesn't need to prove anything to anyone. But a 5 minute lead on her boyfriend on Alpe d'Huez was one great satisfaction.


CENTAUR
5
™



Deep Black

375 g



Black & Red



Carbon Finishing



373 g

CENTAUR™ ERGOPOWER™ CONTROLS

The ergonomic design of the Campagnolo® Ergopower™ controls also used for our 11s groupsets provides the most correct and secure support for the hands in all driving positions.
The Centaur™ Ergopower™ controls feature the Power Shift System™ mechanism, which makes it possible to move the chain by three sprockets in downshifting and one in upshifting.
Two lever versions are available: in aluminium or in carbon fibre with core in light alloy.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:

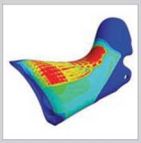


POWER-SHIFT™ MECHANISM: extremely fast and precise, it allows you to upshift by three sprockets at a time or downshift by one with just a single action.



ULTRA-SHIFT™ ERGONOMICS: ensures a firm grip on the handlebars and fast, precise control of the levers. The special ergonomic design makes it possible to assume three different hand positions on the levers compared to the two traditional ones.

DOUBLE CURVATURE BRAKE LEVER: allows you to engage and modulate the brake safely from any hand position.



VARI-CUSHION™ HOOD: made of non-allergenic elastic material, with variable cushioning that provides the maximum comfort and safety even after many hours on the bike. Thanks to a special treatment, it is resistant to UV rays and maintains its original colours without fading.

FEATURES & BENEFITS

- **Carbon-fiber version with aluminum core available:** greater shock resistance – racing style



Colours available for hoods and casings

Special colours upon request of bicycle manufacturers





Deep Black

738 g



Black & Red



Carbon
640 g



CENTAUR™ CRANKSET

Like a precision timepiece.
The Centaur™ crankset is designed to never make a mistake. The rigidity values of the crank and chainrings are at the top of the category. But that's not all… Thanks to the design of the teeth and the eight ascending zones and two descending zones of the chainring, the shifting speed and precision are first-rate, consistently guaranteeing the maximum power transmission.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:

MPS MICRO PRECISION SHIFTING™ SYSTEM



MPS™:
the perfect combination between chainring teeth, chain, and front derailleur. A perfectly synchronous system that enables fast and precise shifting even under load.

POWER TORQUE SYSTEM™



POWER TORQUE SYSTEM™ BOTTOM BRACKET:
pressure on the pedals is transmitted efficiently without any power loss.



8 UP SHIFT AND 2 DOWNSHIFT ZONES:
faster and more accurate shifting, even under stress.

FEATURES & BENEFITS

- **Carbon-fiber version available:** less weight – racing style



NEW CENTAUR™ 165mm CARBON CRANKSET (BLACK / BLACK & RED):
it allows for an agile pedal stroke and a correct movement in relation to the length of the lower limbs.



220 g **Black & Red**

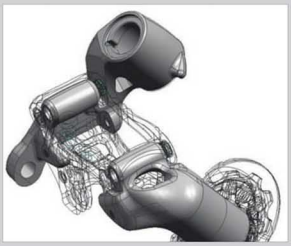


Deep Black

CENTAUR™ REAR DERAILLEUR

Absolute precision and reactivity are guaranteed by the new outer plate made of aluminium as per the 11s design. The design of the upper and lower bodies has been optimised to achieve the maximum rigidity and at the same time to reduce the weight. The cage, thanks to the new geometry, is more rigid and lighter, and the silicone rollers reduce vibration and improve the silence of the drivetrain.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-SHIFT™ ALUMINUM LOWER AND UPPER BODY: lower weight – rigidity – friction reduction – longer component life.



ULTRA-SHIFT™ EXCLUSIVE GEOMETRY PARALLELOGRAM: maximum shifting rigidity, fast actuation, precision, friction reduction.

FEATURES & BENEFITS



- **Holed cage plate for lower weight:** lighter
- **Special rubber pulleys:** reduced friction – less noise





248 g

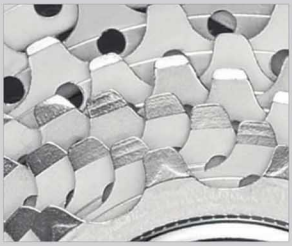
CENTAUR™ SPROCKET SET

The profile of the teeth, completely redesigned in line with the Ultra-Drive™ project, makes it possible to achieve the maximum response speed at the moment of shifting. The synchronisation obtained by establishing a specific position of the teeth between sprocket and sprocket makes the passage from one sprocket to the next very fluid and fast. And in order not to lose rigidity, the last two are fitted on an aluminium frame.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



SPROCKET SYNCHRONIZATION:
sprocket tuning is carefully designed to make shifting faster and more accurate – less chain stress.



ULTRA-DRIVE™ TEETH DESIGN:
optimized upshifting.

FEATURES & BENEFITS



- **Nickel-Chrome surface treatment:** reduces chain/sprocket friction – extends sprockets' life



Black & Red

Clip-on version

92 g

Deep Black



CENTAUR™ FRONT DERAILLEUR

Compact or traditional crankset?
The Centaur™ front derailleur can handle both solutions with no indecision. The M-Brace™ design of the front derailleur body and the inner arm in Z-Shape™ configuration ensure an unprecedented rigidity that translates into excellent shifting precision and speed.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



SPECIAL INNER CAGE DESIGN:
greater rigidity - faster shifting - more space for the chain crossovers.



DERAILLEUR BODY WITH EXCLUSIVE CAMPAGNOLO® M-BRACE™ GEOMETRY:
high system rigidity and shifting precision.

FEATURES & BENEFITS

- **Outer cage anti-friction treatment:** reduces friction and extends components' life



2,36 g/link

CHAIN CENTAUR™

The Centaur™ chain is incredibly quiet thanks to the Teflon wax treatment and the link-pin coupling geometry that reduces friction to the minimum, prolonging the life of the chain and ensuring less dispersion of the power transmitted.
The precise sizing of links, rollers and pins reduces the interference with chainrings and sprockets adjacent to the ones in motion.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



CHAIN LINK HD-LINK™ FASTENING SYSTEM:
excellent link locking – greater safety and longer chain life.

FEATURES & BENEFITS

- **5.9mm special steel links:** prolongs chain life, reduces wear on gears and sprockets
- **Antifriction Ni-PTFE treatment:** reduced friction, smooth pedaling, quiet operation and greater efficiency – longer chain life



310 g

Black & Red

CENTAUR™ BRAKES

Have no fear of going too fast. Safe stopping is assured by the Centaur™ brakes. The forged aluminium lever arms and their particular form provide an extremely high level of rigidity even in extreme situations.
Combined with Campagnolo® brake pads and Ergopower™ brake levers, braking is absolutely safe and easily modulated for all situations, all this in just 310 grams!

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



SPECIAL COMPOUND:
reduction of braking distance on both dry and wet surfaces – longer life for brake pad and rim.

FEATURES & BENEFITS



- **Special design for forged aluminum brake arms:** greater bend resistance – lighter
- **Aluminum nuts:** less weight
- **Adjustable shoe holders:** shoe holders on rim's profile can be micro adjusted – longer life for rims and brake pads
- **Dual Pivot front/rear version:** enhanced rear braking



John.
875 mountain passes.
The last one on his
70th birthday.


SPEED
CAMPAGNOLO
ATHENA



Special colours upon request of bicycle manufacturers



Colours available for hoods and casings



ATHENA™ ERGOPOWER™ CONTROLS

Deep Black, Bright Silver, or if you like, with carbon finish: three alternatives for personalising your bike to the max.
The performance features are top of the line thanks to Power-Shift™ technology which enables multiple upshifting (3 gears) and single downshifting.
The strong points of the Athena controls are comfort and safety. The brake levers with double curvature and the hoods design based on the ergonomics of the hand make these controls the absolute benchmark on the market.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



POWER-SHIFT™ MECHANISM:
extremely fast and precise, it allows you to upshift by three sprockets at a time or downshift by one with just a single action.



ULTRA-SHIFT™ ERGONOMICS:
ensures a firm grip on the handlebars and fast, precise control of the levers. The special ergonomic design makes it possible to assume three different hand positions on the levers compared to the two traditional ones.

ERGONOMIC BRAKE LEVER:
lowered position of the fulcrum of the brake lever – reduces the stress of operating the brakes – greater braking modulability.



VARI-CUSHION™ HOOD:
made of non-allergenic elastic material, with variable cushioning that provides the maximum comfort and safety even after many hours on the bike. Thanks to a special treatment, it is resistant to UV rays and maintains its original colours without fading.



DOUBLE CURVATURE BRAKE LEVER:
allows you to engage and modulate the brake safely from any hand position.

FEATURES & BENEFITS

- **Insert for large hands:** greater safety and comfort for cyclists with large hands

Deep Black



Aluminium
736 g

Bright Silver





Carbon
640 g

ATHENA™ CRANKSET

Aluminium or carbon fibre? Athena™ 11s gives you the freedom to choose the crankset configuration that best suits your bicycle. As always, its performance that's the strong point of Campagnolo® components. The extreme rigidity of cranks/chainrings and the Power Torque™ axle ensure the maximum efficiency of power transmission. It's the entry level 11-speed groupset with top-of-the-range features.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:

XPSS EXTREME PERFORMANCE SHIFTING SYSTEM™



Exclusive design of the eight upshift zones and two downshift zones of the chainring. The specific profile of the teeth and the zones dedicated to upward and downward chain movement enable fast and precise shifting in all conditions.

POWER TORQUE SYSTEM™



System with single axle designed to maximise stiffness and power transmission.



NEW ATHENA™ 165mm CARBON CRANKSET: it allows for an agile pedal stroke and a correct movement in relation to the length of the lower limbs.

FEATURES & BENEFITS

- **Optimal positioning of the ball bearing seat:** reduces friction to the minimum, reduces mechanical stress, and protects the ball bearings from water and dust to assure consistent performance over time
- **Optimised U and Q factors:** space optimised between ankle and crank – maximum lateral and torsional stiffness



Bright Silver

209 g

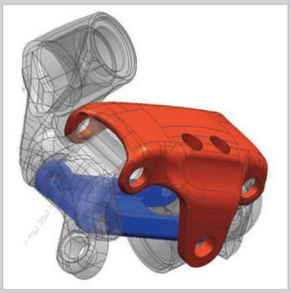


Deep Black

ATHENA™ REAR DERAILLEUR

Absolute precision.
The rear derailleur with Ultra Shift™ geometry is designed to give you the certainty of immediate shifting in all conditions.
The oversized outer plate wraps around the upper and lower bodies of the rear derailleur, providing superior stiffness. This translates into the absence of play and the maximum speed of chain movement upward and downward.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-SHIFT™ PARALLELOGRAM:
designed to wrap around the rear derailleur bodies and increase the overall stiffness of the rear derailleur. Makes shifting fast, precise, and clean in all conditions.

FEATURES & BENEFITS



- **Lightened upper body:** weight reduction
- **Pulleys in special rubber:** friction reduction
- **Single cage version:** flexibility of use with all the sprocket combinations



230 g

CHORUS™ SPROCKET SET

The Athena™ groupset uses the Chorus™ sprockets. The Campy Tech Lab™ engineers have designed each single tooth to assure optimal drive train engagement along with fast and precise shifting. The positioning of each sprocket has been designed to reduce friction to the maximum and make the pedal rotation silent and efficient. The six largest sprockets are mounted on separate frames, which increase their stiffness.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-SHIFT™ TEETH DESIGN: every sprocket tooth is designed and placed to perform a specific function, such as raising or lowering the chain or giving maximum power transmission to the wheel.



REINFORCED MOUNTS FOR SECOND AND THIRD TRIPLETS: greater sprocket set rigidity – performance, precision.



ULTRA-SHIFT™ SYNCHRONIZATION: sprocket tuning allows for maximum shifting performance without hesitation: fast, accurate, and quiet, even under stress.



2,24 g/link

CHORUS™ CHAIN

You'll be amazed at its silence, fluidness, and durability. The Chorus™ 11s chain of 5.5mm width has been designed and constructed to guarantee riders the maximum in terms of safety and performance. The newly developed treated steel makes the links extremely resistant, and the Teflon surface treatment and Ultra-Link™ geometry make the chain smooth-running and highly durable.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-LINK™ CHAIN CONNECTING SYSTEM: high strength chain connection – greater safety and longer chain life.



ULTRA-LINK™ CHAIN LINKS: designed to give better performance to Campagnolo® drivetrains: greater durability of the gears and sprockets, maximum efficiency in the transmission of power.

FEATURES & BENEFITS

- **Links made of special steel:** prolongs the life of the chain, reduces wear on chainrings and sprockets
- **Ni-PTFE™ anti-friction treatment:** reduces friction, makes pedal rotation smooth, silent, and efficient – longer chain life



Deep Black

92 g



Bright Silver

ATHENA™ FRONT DERAILLEUR

Thanks to the Ultra-Shift™ geometry of the cage typical of all the Campagnolo® 11-speed groupsets, the chain can move between the gears of the crankset with the maximum speed and precision in any situation, even when "chain crossings" are extreme or under stress. The Athena™ front derailleur is compatible with both standard and compact cranksets.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



OUTER CAGE WITH ULTRA-SHIFT™ DESIGN:
maximum cage stiffness – speed and precision of shifting.



SPECIAL INNER CAGE DESIGN:
greater rigidity - faster shifting - more space for the chain crossovers.



EXCLUSIVE CAMPAGNOLO® FRONT DERAILLEUR BODY:
designed to make the system stiffer – improves the speed and precision of shifting.

FEATURES & BENEFITS

- **Surface treatment:** reduces friction and prolongs the life of the component



Dual-Pivot version

331 g (pair)

Deep Black



Mono/Dual Pivot version

306 g (pair)

Bright Silver

ATHENA™ BRAKES

Campagnolo®'s objective is to provide both professional and amateur cyclists with the best braking system possible, adapted to their riding style. There are those who prefer to always have the maximum power available (dual pivot on the front and rear), and those, on the other hand, who prefer more controlled and modulated braking, with the monopivot in place of the dual on the rear brake.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



SKELETON BRAKE ARMS:
no-bend arms, modularity, reduced weight.



FRONT/REAR DIFFERENTIATED BRAKING:
lighter rear brake – greater braking power modulation.



SPECIAL BRAKE COMPOUND:
better braking performance in all weather conditions – less wear on the braking track.

FEATURES & BENEFITS

- **Dual Pivot front/rear version:** enhanced rear braking





Stéphane.
Never leaves to go on tour
without his group,
his six-string, or his 11-speed.

Stéphane Sanseverino

CHORUS



337 g

Colours available for hoods and casings



Special colours upon request of bicycle manufacturers



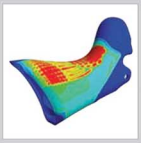
CHORUS™ ERGOPOWER™ CONTROLS

You can grasp the Chorus™ Ergopower™ controls any way you want: you'll always feel safe and responsive.
The ergonomic design of the Ergopower™ body enables you to grip the controls more firmly. The brake lever with double curvature and the classic double lever of the brake/shifter controls guarantee efficient braking in all conditions and easier operation.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



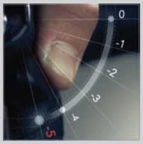
ULTRA-SHIFT™ ERGONOMICS: ensures a firm grip on the handlebars and fast, precise control of the levers. The special ergonomic design makes it possible to assume three different hand positions on the levers compared to the two traditional ones.



VARI-CUSHION™ HOOD: made of non-allergenic elastic material, with variable cushioning that provides the maximum comfort and safety even after many hours on the bike. Thanks to a special treatment, it is resistant to UV rays and maintains its original colours without fading.



DOUBLE CURVATURE BRAKE LEVER: allows you to engage and modulate the brake safely from any hand position.



EXCLUSIVE ULTRA-SHIFT™ MECHANISM: with just one action of the lever, you can upshift by 1, 2 or 3 chainrings and downshift by 1 to 5 chainrings at a time.



FEATURES & BENEFITS

- **Insert for large hands:** greater safety and comfort for cyclists with large hands
- **Bearing mechanism:** longer life – operating precision



667 g



NEW 11-SPEED 165mm CRANKSET: it allows for an agile pedal stroke and a correct movement in relation to the length of the lower limbs.

CHORUS™ CRANKSET

X.P.S.S.™ (eXtreme Performance Shifting System) is the acronym that denotes the most effective and efficient system ever, with the absolute best shifting speed and precision even under load. The Chorus™ crankset with carbon fibre is the ideal partner for any competition.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:

XPSS EXTREME PERFORMANCE SHIFTING SYSTEM™



Exclusive design of the eight upshift zones and two downshift zones of the chainring. The specific profile of the teeth and the zones dedicated to upward and downward chain movement enable fast and precise shifting in all conditions.

ULTRA TORQUE™



ULTRA-TORQUE™ BOTTOM BRACKET: pressure on the pedals is transmitted efficiently without any loss of power.





8 CHAIN UP SHIFT AND 2 CHAIN DOWNSHIFT ZONES: faster and more precise shifting, even under stress.



EXCLUSIVE CRANK/CHAINRING MOUNTING SYSTEM: reduced weight – easy maintenance.

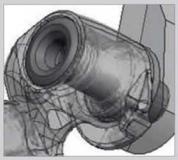


186 g

CHORUS™ REAR DERAILLEUR

Chorus™ 11-speed's shifting precision is comparable to its older siblings Record™ and Super Record™.
The design and geometry of the rear derailleur are exactly the same. The only difference lies in the materials used, which made it possible to keep a favourable price without lowering the performance levels.
A groupset dedicated to competition like the Chorus™ 11-speed can't forego showing its true competitive spirit, and the carbon fibre front plate is the proof.

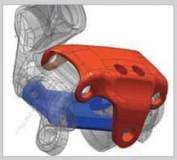
CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



REAR DERAILLEUR FIXING BOLTS IN ALUMINIUM:
with the same resistance and stiffness, the new two-part system makes it possible to reduce the weight by 53% compared to steel and 22% compared to titanium – prolongs the component life.



CARBON FIBRE FRONT PLATE:
the body of the front plate wraps the upper and lower parts, providing 150% more torsional stiffness compared to a traditional rear derailleur.



ULTRA-SHIFT™ EXCLUSIVE GEOMETRY PARALLELOGRAM:
maximum derailleur stiffness, fast shifting, precision, reduction of possible play.



ULTRA-SHIFT™ ALUMINUM LOWER AND UPPER BODIES:
less weight, less friction, shifting precision.

FEATURES & BENEFITS

- **Cage plate with holes for reducing weight:** lighter weight



230 g

CHORUS™ SPROCKET SET

Every sprocket tooth has been designed to achieve the maximum synchronization, shifting speed, and silent operation.
The six larger sprockets have a double frame system for extreme torsional stiffness, so that operating precision is maintained even during shifting under stress.
The surface treatment of the eleven steel sprockets assures longer component life, maintaining the maximum performance through time.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-SHIFT™ TEETH DESIGN:
every sprocket tooth is designed and placed to perform a specific function, such as raising or lowering the chain or giving maximum power transmission to the wheel.



REINFORCED MOUNTS FOR SECOND AND THIRD TRIPLETS:
greater sprocket set rigidity – performance, precision.



ULTRA-SHIFT™ SYNCHRONIZATION:
sprocket tuning allows for maximum shifting performance without hesitation: fast, accurate, and quiet, even under stress.

FEATURES & BENEFITS

- **Nickel-Chrome surface treatment:** reduces chain/sprocket friction – extends sprocket life



76 g

Braze-on version



CHORUS™ FRONT DERAILLEUR

This system is fast, responsive, and precise, and the chain shifts across chainrings with no hesitations.
The Chorus™ 11-speed front derailleur is compatible with standard crank sets and the Compact™.
The geometry of the fork and the movement of the front plate have been designed and optimised to obtain maximum performance when used with the other Campagnolo® 2012 components.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-SHIFT™ LIGHT ALLOY CAGE: thanks to its graduated curvature shape, shifting is fast and extremely precise.



SPECIAL INNER CAGE DESIGN: greater rigidity - faster shifting - more space for the chain crossovers.



EXCLUSIVE CAMPAGNOLO® FRONT DERAILLEUR BODY: high system stiffness and shifting precision.

FEATURES & BENEFITS

- **Outer anti-friction treatment:** reduces friction and extends the life of the component



2,24 g/link

CHORUS™ CHAIN

Fluidity, smoothness, and noise reduction: the 5.5mm Chorus™ chain fully meets the quality and performance standards of the 11-speed™ groupsets.
The strength of the treated steel links is absolute, and the Ultra-Link™ closure system guarantees safety and the long life of the chain.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-LINK™ CHAIN CONNECTING SYSTEM: high strength chain connection – greater safety and longer chain life.



ULTRA-LINK™ CHAIN LINKS: designed to give better performance to Campagnolo® drivetrains - greater durability of the gears and sprockets, maximum efficiency in the transmission of power.

FEATURES & BENEFITS

- **Links made of special steel:** prolongs the life of the chain, reduces wear on chainrings and sprockets
- **Ni-PTFE™ anti-friction treatment:** reduces friction, makes pedal rotation smooth, silent, and efficient – longer chain life



Dual-Pivot version

319 g (pair)



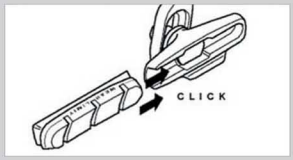
Mono/Dual Pivot version

299 g (pair)

CHORUS™ BRAKES

The compounds used yield superior braking performance and the lightened pad holders make pad replacement fast and easy.
But that's not all. Campagnolo® offers two options: alongside the classic front/rear brake differentiation for maximum lightness and braking modulation, there is also a dual pivot option available for the rear brake, for even more decisive and powerful braking.
The choice is yours!

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



EXCLUSIVE BRAKE PAD COUPLING/UNCOUPLING SYSTEM:
fast and secure brake pad replacement.



SPECIAL COMPOUND:
reduction of braking distance in both dry and wet conditions – longer brake pad and braking track life.



SKELETON BRAKE ARMS:
no-bend arms, modularity, reduced weight.



FRONT/REAR DIFFERENTIATED BRAKING:
lighter rear brake – greater braking power modulation

FEATURES & BENEFITS

- **Lighter pad holders:** reduced weight
- **Dual Pivot front/rear version:** enhanced rear braking



Andrew.
Today he climbed the Mortirolo
34 seconds faster.


RECORD

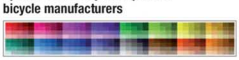


337 g

Colours available for hoods and casings



Special colours upon request of bicycle manufacturers



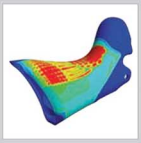
RECORD™ ERGOPOWER™ CONTROLS

It's all in your hands. From any position on the handlebars, the ergonomics of Ergopower™ controls enable you to engage the rear derailleur and front derailleur with extreme speed and precision. The maximum in performance while safety and comfort are not to be neglected: every detail is designed to provide the maximum comfort even after long hours on the bike.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



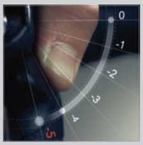
ULTRA-SHIFT™ ERGONOMICS: ensures a firm grip on the handlebars and fast, precise control of the levers. The special ergonomic design makes it possible to assume three different hand positions on the levers compared to the two traditional ones.



VARI-CUSHION™ HOOD: made of non-allergenic elastic material, with variable cushioning that provides the maximum comfort and safety even after many hours on the bike. Thanks to a special treatment, it is resistant to UV rays and maintains its original colours without fading.



DOUBLE CURVATURE BRAKE LEVER: allows you to engage and modulate the brake safely from any hand position.



EXCLUSIVE ULTRA-SHIFT™ MECHANISM: with just one action of the lever, you can upshift by 1, 2 or 3 chainrings and downshift by 1 to 5 chainrings at a time.



FEATURES & BENEFITS

- **New material of the control body:** the new material makes the Ergopower™ controls both extremely light and resistant to impact
- **Double hole brake lever:** lighter
- **Insert for larger hands:** safer and more comfortable for larger hand riders
- **Bearing mechanism:** longer life – operating precision



627 g



NEW 11-SPEED 165mm CRANKSET: allows for an agile pedal stroke and a correct movement in relation to the length of the lower limbs.

RECORD™ CRANKSET

An extra weapon for achieving victory.
The Record™ crankset is designed to transmit 100% of the cyclist's power to the wheel: maximum torsional stiffness of the system, the best U and Q factors in the category, and cranks made entirely of unidirectional carbon fibre.
But the real surprise comes with the first shift: precise, extremely fast, and with no hesitation, thanks to the design of the upshifting and downshifting zones of the XPSS™ chainrings. Shifting is no longer a problem, not even under extreme conditions.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:

XPSS EXTREME PERFORMANCE SHIFTING SYSTEM™



Exclusive design of the eight upshift zones and two downshift zones of the chainring. The specific profile of the teeth and the zones dedicated to upward and downward chain movement enable fast and precise shifting in all conditions.

ULTRA TORQUE™



ULTRA-TORQUE™ BOTTOM BRACKET: pressure on the pedals is transmitted efficiently without any loss of power.

UHS ULTRA-HOLLOW™ STRUCTURE



HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY: reduces weight of stress – free areas, improves crank set weight and rigidity ratio.

USB CERAMIC ULTRA SMOOTH BEARINGS



USB™ TECHNOLOGY: USB™ ceramic ball bearings reduce friction, guaranteeing the maximum smoothness. Resistant to corrosion and wear, they maintain consistent performance over time.



8 CHAIN UP SHIFTING AREAS AND 2 CHAIN DOWNSHIFTING AREAS: faster and more precise shifting, even under stress.



INTEGRATED CRANK/ CHAINRING MOUNTING SYSTEM: reduced weight – easy maintenance.

FEATURES & BENEFITS

- **Lighter bottom bracket:** lighter

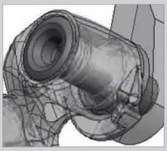


172 g

RECORD™ REAR DERAILLEUR

It's the heart and soul of the Record™ 11s drivetrain!
The Record™ rear derailleur has always evoked competitions and wins, and still today represents for professional racers the certainty of fast and extremely precise shifting, even under load.
But you don't have to be a pro to take advantage of the performance features of the Record™ 11-speed: the fun is for all.

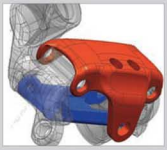
CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ALUMINIUM REAR DERAILLEUR FASTENING SCREWS:
the two-piece system, while maintaining resistance and rigidity, makes it possible to reduce the weight by 53% compared to steel and 22% compared to titanium, and prolongs the life of the component.



CARBON FIBRE FRONT PLATE:
extreme stiffness and reduced weight. Increases the precision of the rear derailleur.



ULTRA-SHIFT™ EXCLUSIVE GEOMETRY PARALLELOGRAM:
maximum shifting rigidity, fast actuation, precision, friction reduction.



ULTRA-SHIFT™ ALUMINUM LOWER AND UPPER BODIES:
less weight, less friction, shifting precision.

FEATURES & BENEFITS

- **Carbon fiber cage plate:** shifting positioning is extremely accurate and extremely light
- **Ceramic ball bearings:** considerably smooth, they reduce friction and prolong life and shifting performance



201 g

RECORD™ SPROCKET SET

In competition every little detail counts; that´s why steel and titanium were used when producing Record™ sprockets.
The perfect teeth design results in a perfect synchronization between shifting and chain movement.
The six larger sprockets are divided in triplets, which are mounted on special frames to increase rigidity.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-SHIFT™ TEETH DESIGN:
every sprocket tooth is designed and placed to perform a specific function, such as raising or lowering the chain or giving maximum power transmission to the wheel.



REINFORCED MOUNTS FOR SECOND AND THIRD TRIPLETS:
greater sprocket set rigidity – performance, precision.



ULTRA-SHIFT™ SYNCHRONIZATION:
sprocket tuning allows for maximum shifting performance without hesitation: fast, accurate, and quiet, even under stress.

FEATURES & BENEFITS

- **3 titanium sprockets:** less weight



74 g

Clip-on version



RECORD™ FRONT DERAILLEUR

This is the component that, together with the chainrings and chain, assures the exceptional shifting of the Record™ groupset.
Ultra-Shift™ geometry makes the cage extremely rigid, while the body and frame attachment systems make this front derailleur precise, fast, and hesitation-free.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-SHIFT™ CARBON OUTER CAGE:
thanks to its graduated curvature, shifting is fast and extremely precise.



SPECIAL INNER CAGE DESIGN:
greater rigidity - faster shifting - more space for the chain crossovers.



EXCLUSIVE CAMPAGNOLO® GEOMETRY DERAILLEUR:
high system rigidity and shifting precision.

FEATURES & BENEFITS

- **Outer anti-friction treatment:** reduces friction and extends component's life



2,10 g/link

RECORD™ CHAIN

Pros are the everyday testing ground for the chain fitted on all advanced Record™ 11 and Super Record™ 11 groups.
Links and pins have been designed to adhere perfectly to gears and sprockets teeth providing maximum fluidity, reduced friction and improved chain life.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



CHAIN LINK ULTRA-LINK™ CONNECTING SYSTEM:
high strength chain connection - greater safety and longer chain life.



ULTRA-LINK™ CHAIN LINKS:
designed to provide the best possible performance for Campagnolo® transmissions – longer life for gears and sprockets, maximum efficiency in power transmission.

FEATURES & BENEFITS

- **Special steel links:** prolongs chain life, reduces wear on gears and sprockets
- **Antifriction Ni-PTFE treatment:** reduces friction and makes the ride smooth and quiet. It prolongs chain life



Dual-Pivot version

303 g (pair)



Mono/Dual Pivot version

278 g (pair)

RECORD™ BRAKES

Following professional cyclists means meeting all their needs. This is why Campagnolo® has designed two Record™ brake options. An extra pivot has been added to the standard single pivot rear version for those who want an immediate and decisive brake response. Braking power results from both our Skeleton design and the new brake shoe combination. The shoe holder allows for better regulation and helps to improve the friction surface.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



LIGHTER SHOE HOLDERS: less weight.



CENTRAL FULCRUM WITH BEARING SYSTEM: braking modulation, reliability, and performance consistently maintained over time.



EXCLUSIVE BRAKE PAD COUPLING/UNCOUPLING SYSTEM: fast and secure brake pad replacement.



SPECIAL COMPOUND: reduction of braking distance in both dry and wet conditions – longer brake pad and braking track life.



SKELETON BRAKE ARMS: no-bend arms, modularity, reduced weight.



FRONT/REAR DIFFERENTIATED BRAKING: lighter rear brake – greater braking power modulation.

FEATURES & BENEFITS

- **Dual Pivot front/rear version:** enhanced rear braking



Albert.
He thinks to himself:
almost 8000 miles this year
and how many times
did I change gears?


SUPER RECORD



330 g

Colours available for hoods and casings



Special colours upon request of bicycle manufacturers



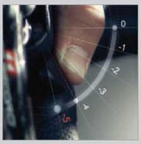
SUPER RECORD™ ERGOPOWER™ CONTROLS

Dominate your bike at every turn, relax on the long straights, and prepare for the final sprint: whatever your racing position, Ergopower™ controls, with the exclusive Campagnolo® mechanism allows you to shift up 3 sprockets at a time and down 5 sprockets. Make every movement natural, fast and precise.
The Ergopower™ Ultra-Shift™ controls of the Super Record™ series represent the top of the line in terms of technology applied to the ergonomics of the hand – all to the advantage of safety, speed and precision in the controls. Your every wish is a command.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:

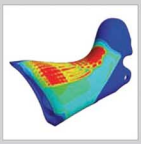


ULTRA-SHIFT™ ERGONOMICS:
safe grip on handlebars in all positions and faster, more precise command on levers.



EXCLUSIVE ULTRA-SHIFT™ MECHANISM:
with just one action of the lever, you can upshift by 1, 2 or 3 chainrings and downshift by 1 to 5 chainrings at a time.





VARI-CUSHION™ HOOD:
made of non-allergenic elastic material, with variable cushioning that provides the maximum comfort and safety even after many hours on the bike. Thanks to a special treatment, it is resistant to UV rays and maintains its original colours without fading.



DOUBLE CURVATURE BRAKE LEVER:
allows you to engage and modulate the brake safely from any hand position.

FEATURES & BENEFITS

- **New material of the control body:** the new material makes the Ergopower™ controls both extremely light and resistant to impact
- **Triple hole break lever:** lighter
- **Titanium finishing:** less weight
- **Insert for larger hands:** safer and more comfort for cyclists with larger hands
- **Bearing mechanism:** longer life – operating precision



625 g



585 g
with Titanium axle



NEW 11-SPEED 165mm CRANKSET: allows for an agile pedal stroke and a correct movement in relation to the length of the lower limbs.

SUPER RECORD™ CRANKSET

The maximum that you could ask for in performance and smoothness. The Super Record™ crankset is an extraordinary concentration of technology and performance: extremely high overall stiffness, extraordinary lightness, fast and precise shifting; the CULT™ system and the option with titanium axle, all this enhances even more the performance and uniqueness of this crankset.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:

XPSS EXTREME PERFORMANCE SHIFTING SYSTEM™



Special design of chain up and downshift zones – chainring pin profile optimization – allows for faster and more precise shifting in all conditions.



TITANIUM AXLE (OPTIONAL) AND REVERSE THREAD TITANIUM FIXING BOLT: reduces the overall weight of the crankset by 40 grams.

CULT CERAMIC ULTIMATE LEVEL TECHNOLOGY
MAXIMUM SMOOTHNESS FOR MAXIMUM PERFORMANCE



The combination of the best ceramic balls available on the market and special Cronitect™ steel. The bearings are lubricated with only a film of oil, increasing the smoothness of the crank nine-fold. Resistant to corrosion – performance unaltered over time.

UHS ULTRA-HOLLOW® STRUCTURE



HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY: reduced weight of stress – free sections, improved crank set weight to stiffness ratio.



ULTRA-TORQUE™ BOTTOM BRACKET: pressure on the pedals is transmitted efficiently without any power loss.



8 CHAIN UP SHIFT ZONES, AND 2 CHAIN DOWNSHIFT ZONES: faster and more precise shifting, even under stress.



EXCLUSIVE CRANK/ CHAINRING MOUNTING SYSTEM: reduced weight – easy maintenance.



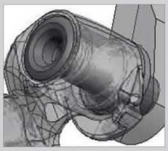
155 g



SUPER RECORD™ REAR DERAILLEUR

The masterpiece of the 2012 range!
Speed, precision, smoothness and better looks: the first rear derailleur with carbon fibre upper and lower body will amaze even the most demanding of cyclists. Lower and upper bodies, outer plate, parallelogram: all carbon-made components.
The white "11" on a red rectangle printed on the carbon fibre makes the image of the Super Record™ rear derailleur even more unique and aggressive.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



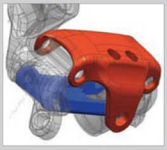
ALUMINUM FIXING BOLT:
the new two-part system is 53% lighter than steel and 22% lighter than titanium, without compromising resistance and rigidity levels and prolonging component life.



CARBON FIBRE UPPER AND LOWER BODY:
extreme rigidity and reduced weight. It increases rear derailleur precision and prolongs the life of component.



CARBON FIBER CAGE PLATE:
shifting positioning is exceedingly precise – extremely light.



CARBON FIBER PARALLELOGRAM, AND EXCLUSIVE ULTRA-SHIFT™ GEOMETRY:
maximum shifting rigidity, fast actuation, precision, friction reduction.

FEATURES & BENEFITS

- **Ceramic ball bearings:** very smooth, reduces friction, prolongs life and shifting performance
- **Pulley cage aluminum fixing bolts:** lighter



177 g



SUPER RECORD™ SPROCKET SET

Maximum performance and low noise with no compromise on components. With this in mind Campagnolo® engineers designed our Super Record™ sprockets with double frame on the last two sprocket triplets.
This results in a more solid and lighter frame, thanks to the use of titanium in the 6 larger sprockets.
The Ultra-Shift™ teeth design has been upgraded to make shifting faster, with perfect synchronization and to eliminate chain stress.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-SHIFT™ TEETH DESIGN:
every sprocket tooth is designed and placed to perform a specific function, like lifting or lowering the chain or giving maximum power transmission to the wheel.



REINFORCED MOUNTS FOR SECOND AND THIRD TRIPLETS:
greater sprocket set rigidity – performance precision.



ULTRA-SHIFT™ SYNCHRONIZATION:
the sprocket tuning allows for maximum shifting performance without hesitation: fast, precise and quiet, even under stress.



6 TITANIUM SPROCKETS:
less weight.

FEATURES & BENEFITS

- **Nickel-Chrome surface treatment:** reduces chain/sprocket friction – extends sprockets' life



72 g

Braze-on version



SUPER RECORD™ FRONT DERAILLEUR

Absolutely unrivalled precision and speed: the Super Record™ front derailleur with Ultra Shift™ geometries combined with the Campagnolo® crankset and chain guarantee the best of shifting performance under any condition.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-SHIFT™ CARBON CAGE: thanks to its graduated curvature, shifting is fast and extremely precise.



SPECIAL INNER CAGE DESIGN: greater rigidity - faster shifting - more space for the chain crossovers.



EXCLUSIVE CAMPAGNOLO® GEOMETRY DERAILLEUR: high system rigidity and shifting precision.

FEATURES & BENEFITS

- **Outer anti-friction treatment:** outer anti-friction treatment reduces friction and extends components life



2,10 g/link

RECORD™ CHAIN

All your power is transmitted by the transmission component: the chain. Super Record™ groupsets include Record™ chains: fast, long-lasting and safe.
Links and pins have been designed to adhere perfectly to the teeth of chainrings and sprockets to reduce friction.
There is no power loss and component life is extended.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



ULTRA-LINK™ CHAIN LINK CONNECTING SYSTEM: high strength chain connection – greater safety and longer chain life.



ULTRA-LINK™ CHAIN LINKS: designed to provide maximum performance to Campagnolo® transmissions: longer life for chainrings and sprockets, maximum efficiency in power transmission.

FEATURES & BENEFITS

- **Special steel links:** prolongs chain life, reduces chainrings and sprocket wear
- **Antifriction Ni-PTFE™ treatment:** reduces friction, smooth pedaling, quiet operation and efficiency – prolongs chain life



Dual-Pivot version

297 g (pair)



Mono/Dual Pivot version

272 g (pair)

SUPER RECORD™ BRAKES

For a fast descent you need a safe and reliable braking system that is powerful and adjustable. The Super Record™ system guarantees shorter braking distance and complete control of breaking power thanks to our Skeleton arm design and new brake pads.
In its standard version Campagnolo® offers the classic front brake Dual Pivot and rear brake Mono Pivot design to provide maximum braking power modulation. But for those looking for the maximum braking power, even at the rear, Campagnolo® offers the rear brake Dual Pivot option.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



LIGHTER SHOE HOLDERS: lighter.



CENTRAL FULCRUM WITH BEARING SYSTEM: braking modulation, reliability, and performance consistently maintained over time.



EXCLUSIVE BRAKE PAD COUPLING/UNCOUPLING SYSTEM: fast and secure brake pad replacement.



SPECIAL COMPOUND: reduction of braking distance in both dry and wet conditions – longer brake pad and braking track life.



SKELETON BRAKE ARMS: no-bend arms, modularity, reduced weight.



FRONT/REAR DIFFERENTIATED BRAKING: lighter rear brake – greater braking power modulation.

FEATURES & BENEFITS

- **Dual Pivot front/rear version:** enhanced rear braking





Carlo.
Can spend days on a detail
to gain even just one second.



TIME TRIAL / TRIATHLON COMPONENTS

Running against time and winning.
Attention to the smallest detail, the most aerodynamic position, the efficient transmission of power to the wheel: this is the only way to "shave off" every 10th of the second and reach the goal of the podium.
To give you all of this Campagnolo® has designed and developed, in collaboration with the best Triathlon and Time Trial athletes, the range dedicated to these disciplines: new Bar-End controls for 10 and 11-speed systems, brake controls and cranksets: That is everything that, along with the range of high-profile wheels and Campagnolo® groupsets, will prepare your bike to cut through the air and ride fast towards the finish line.



167 g



Carbon
155 g

Versions available:
11-Speed with carbon fibre or aluminium levers
10-Speed with aluminium levers



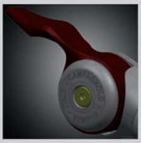
BAR-END CONTROLS

Designed in the hands of the athletes.
Every single detail has been designed and tested by professional athletes. Obsessed with details, extremely attentive to the riding position and to saving energy, they are the true stars of the development of this product.
The Campy-Tech Lab™ has turned this information in a reality: the "Back to Zero position" system allows the lever to maintain an optimal position with respect to airflow and allows for less effort for the athlete. The "Multi-Shifting System" allows, with just one movement, to shift up or down up to 3 cogs at a time!
But to fully appreciate all the benefits that the Campagnolo® controls offer, you need to get on the saddle, place your hands and go to beat the clock.

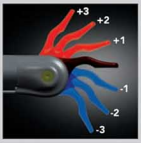
CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



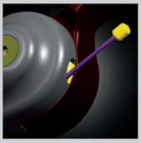
BACK-TO-ZERO POSITION:
it allows the lever to maintain the initial position selected by the athlete. It reduces the effort required to shift it and to keep the lever in a position of maximum aerodynamic efficiency.



ADJUSTABLE INITIAL POSITION:
it allows you to place the controls in a fully ergonomic position with respect to the shape of the handlebar and the personal position of the hands.



MULTI-SHIFTING SYSTEM™:
possibility to shift up or down up to 3 cogs at a time.



EXTERNAL CABLE CONNECTION:
cables are easy to install and remove – there is no need to remove the controls.

FEATURES & BENEFITS

- **Levers with double hand/finger positions:** minimises the effort of moving the levers – provides the best aerodynamic position even during shifting
- **Micrometric adjustment of the front derailleur:** it maintains the optimal position of the front derailleur with respect to the chain line even during the race
  Optimisation of the lever movement load: reduces the effort needed to operate the rear and front derailleur maintaining the typical "click feeling" of Campagnolo's drivetrain



106 g



Carbon
86 g

BAR-END BRAKE LEVERS

Care for detail in every component.
This is why the new Campagnolo® levers for Bar End are not just simple levers! In a discipline where each second becomes decisive, the difference with the competitors is to be found in the individual detail.
Designed and tested in our wind tunnel and developed on the road with professional athletes, they are designed with the aim of following the movements of your hand and allow the best aerodynamic position even when operating them.
Athletes that run against the clock are well aware of how important perfection is. And Campagnolo® is sure to give you what you are looking for.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



AERODYNAMIC PROFILE:
maximum aerodynamic coefficient.



ERGONOMIC PROFILE FOR THE LEVERS:
maximum safety and adjustable braking system.



QUICK-RELEASE SYSTEM:
it makes it easier to install and remove the wheel and allows, even during the race, to open the distance between the rim and the brake pads.

FEATURES & BENEFITS

- **Technopolymer body:** lightness and extreme resilience against collisions
- **Double version:** 2 choices of material – carbon fibre or aluminium



Super Record™
with Titanium axle
675 g

TT CRANKSETS WITH GEARS 55/42 – 54/42

Super Record™ – Record™ – Chorus™

Technology and performance dedicated to time-trial and Triathlon professionals.
The "55 and 54" are second to none: You need to know how to push higher gears without hesitation. But one thing is certain: The Campagnolo® crancksets are designed to transmit all of the cyclist's power, without losing even one Watt.
Shifting is extremely fast and accurate, the smoothness and fluidity of the pedal stroke is insured by the USB™ ceramic ball (for Super Record™ and Record™) and the carbon fibre cranks allow for maximum rigidity of the system.

TT/TRIATHLON

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



757 g



GEAR COMBINATIONS 55/42 – 54/42:
Dedicated to all those using it at a professional/competition level, the new crancksets with dedicated gears allow for considerable metric improvements.



718 g



NEW GEARS GEOMETRY:
maximum torsional and lateral rigidity – the special geometry of the gears keeps the same value of stiffness of the gears with 53 toothing.



715 g





Filippo.
Has chosen cyclocross because it gives much more pleasure to reach the first place on the podium starting from the mud.



CX COMPONENTS AND WHEELS FOR CYCLOCROSS

MUD, SAND, WATER, TOIL, AND SWEAT.
IN CYCLOCROSS YOU HAVE TO LEARN TO LIVE WITH THESE ELEMENTS THAT MAKE EVERY RIDE EXTREMELY TOUGH AND DEMANDING.

These rules are proven for the riders, but even more so for the components and wheels!
This is why every ounce of experience acquired by the Campagnolo® engineers has been poured into the range dedicated to this difficult sport, making the components more resistant and reliable even in the most extreme climate and terrain conditions.
Mud and dust are no longer a concern, because the wheels and cranksets are equipped with special seals that close the door to all external contaminants. So the bearings consistently do their best work, allowing the Cyclocross wheels to assure the maximum smoothness even after many hours of use in extreme conditions. Spokes, hubs, and lacing patterns are a guarantee of stability even in the presence of violent stresses.
But that's not all. The Campy Tech Lab™ engineering staff conducted in-depth studies on the behaviour of the chain on the chainrings during shifting in the most critical situations, leading to some very important results. The inner machining of the chainrings was created to facilitate the up shift and downshift of the chain, so that the movements are fast and precise in all conditions.
First in the laboratory, then directly in the field, the Campagnolo® components and wheels passed with flying colours, all the extremely rigorous tests performed on them. Now it's your turn to put them to the test!



629 g

CX 10 CRANKSET POWER TORQUE SYSTEM™ IN CARBON FIBRE

The athletes who field-tested the CX 10 crankset in carbon fibre did not hold back.
Campagnolo® realised all their needs by optimising the dimensions and spacing of the chainrings. Mud is no longer a problem.
The Campy Tech Lab™ engineers applied the same asymmetrical design to the teeth as our 11s systems, which have shown very low friction values and an incredibly high operating precision.
The chainrings are in aluminium with the chain up shift and downshift zones specifically designed for Cyclocross.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



SPECIALLY-DESIGNED DOUBLE-LIP SEAL FOR CX:
ensures that the mechanical parts (balls/bearings) subjected to the extreme conditions of Cyclocross stay clean, smooth-running and durable.

C.A.R.T. CYCLOCROSS ADVANCED RACING TECHNOLOGY™



C.A.R.T.
CYCLOCROSS ADVANCED RACING TECHNOLOGY™:
chainrings for Campagnolo® 10-speed groupsets developed specifically for Cyclocross use – efficiency in all conditions of use.



CHAIN UP SHIFT AND DOWNSHIFT ZONES SPECIALLY DESIGNED FOR CYCLOCROSS:
fast shifting even in critical situations due to rough terrain or the presence of mud on the chainrings.

POWER TORQUE SYSTEM™



POWER TORQUE SYSTEM™ BOTTOM BRACKET WITH SPECIAL SEALS FOR CYCLOCROSS:
reduced U-factor and Q-factor – durability over time even in extreme use and in difficult conditions.

FEATURES & BENEFITS

- **Carbon fibre cranks:** light weight and high stiffness to torsion and flexion/ enable efficient power transmission
- **Black anodised finish of the chainrings:** greater protection of the exposed parts and aesthetics in line with the crank in carbon fibre
- **Combinations: 50-34 and 46-36:** developed and optimised for Cyclocross

CX 10

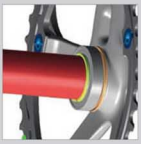


731 g

CX 10 CRANKSET POWER TORQUE SYSTEM™

Campagnolo® has set a new standard for Cyclocross.
The aluminium crankset developed for all the 10-speed groupsets uses chainrings dedicated to off-road.
The optimised design of the teeth and of the chain up shift/downshift zones ensures the maximum performance even in the most extreme conditions.
The high-protection seals for the Power Torque System™ bottom bracket make the bearings extremely smooth and maintain performance over time.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



SPECIALLY-DESIGNED DOUBLE-LIP SEAL FOR CX:
ensures that the mechanical parts (balls/bearings) subjected to the extreme conditions of Cyclocross stay clean, smooth-running and durable.

C.A.R.T. CYCLOCROSS ADVANCED RACING TECHNOLOGY™



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POWER TORQUE SYSTEM™



POWER TORQUE SYSTEM™ BOTTOM BRACKET WITH SPECIAL SEALS FOR CYCLOCROSS:
reduced U-factor and Q-factor – durability over time even in extreme use and in difficult conditions.

FEATURES & BENEFITS

- **Aluminium crank/chainrings:** ensures considerable stiffness and long life. The teeth of the chainrings and the up shift/downshift zones are designed for use in extreme conditions
- **Combinations: 50-34 and 46-36:** developed and optimised for Cyclocross

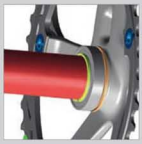


628 g

CX 11 CRANKSET POWER TORQUE SYSTEM™ IN CARBON FIBRE

Are you a Cyclocross professional or, do you require the absolute best performance from your bike? Then you've got to have the CX 11 carbon fibre crankset on your bike. You'll recognise it by the special graphics and you'll appreciate the chainring combinations of 46-36 or 34-50 teeth.
The design of the teeth and the up shift and downshift zones for the 11-speed drivetrain is the maximum anyone could wish for in Cyclocross. Friction is reduced to a minimum and shifting precision is assured even in the presence of mud. The single axle of the Power Torque System™ assures absolute stiffness and quick assembly and servicing.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



SPECIALLY-DESIGNED DOUBLE-LIP SEAL FOR CX:
ensures that the mechanical parts (balls/bearings) subjected to the extreme conditions of Cyclocross stay clean, smooth-running and durable.



CARBON FIBRE CRANKS:
light weight and high stiffness to torsion and flexion – enable efficient power transmission.

C.A.R.T. CYCLOCROSS ADVANCED RACING TECHNOLOGY™



C.A.R.T. - CYCLOCROSS ADVANCED RACING TECHNOLOGY™:
chainrings for Campagnolo® 11-speed groupsets developed specifically for Cyclocross use – efficiency in all conditions of use.



CHAIN UP SHIFT AND DOWNSHIFT ZONES SPECIALLY DESIGNED FOR CYCLOCROSS:
fast shifting even in critical situations due to rough terrain or the presence of mud on the chainrings.

POWER TORQUE SYSTEM™



POWER TORQUE SYSTEM™ BOTTOM BRACKET WITH SPECIAL SEALS FOR CYCLOCROSS:
reduced U-factor and Q-factor – durability over time even in extreme use and in difficult conditions.

FEATURES & BENEFITS

- **Black anodised finish on the chainrings:** greater protection of the exposed parts and aesthetics in line with the carbon fibre crank
- **Combinations: 50-34 and 46-36:** developed and optimised for Cyclocross



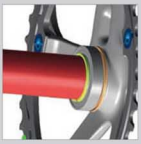
728 g

CX 11 CRANKSET POWER TORQUE SYSTEM™

Campagnolo® has optimised the chainrings to assure shifting without hesitation even in extreme conditions.
The 11s crankset in aluminium, "transformed" for CX use, is now ready to confront the challenging courses with mud, sand, and water!
The new bottom bracket Power Torque System™ assures the same U-factor and Q-factor values, extremely important in Cyclocross, while the chainring combination offers the two classic options for this sport: 50-34 or 46-36.
The special graphics distinguish the crankset of the Cyclocross series.

CX 11

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



SPECIALLY-DESIGNED DOUBLE-LIP SEAL FOR CX:
ensures that the mechanical parts (balls/bearings) subjected to the extreme conditions of Cyclocross stay clean, smooth-running and durable.

C.A.R.T. CYCLOCROSS ADVANCED RACING TECHNOLOGY™



C.A.R.T. - CYCLOCROSS ADVANCED RACING TECHNOLOGY™:
chainrings for Campagnolo® 11-speed groupsets developed specifically for Cyclocross use – efficiency in all conditions of use.



CHAIN UP SHIFT AND DOWNSHIFT ZONES SPECIALLY DESIGNED FOR CYCLOCROSS:
fast shifting even in critical situations due to rough terrain or the presence of mud on the chainrings.

POWER TORQUE SYSTEM™



POWER TORQUE SYSTEM™ BOTTOM BRACKET WITH SPECIAL SEALS FOR CYCLOCROSS:
reduced U-factor and Q-factor – durability over time even in extreme use and in difficult conditions.

FEATURES & BENEFITS

- **Combinations: 50-34 and 46-36:** developed and optimised for Cyclocross



138 g



CX CANTILEVER BRAKES

Campagnolo® has a strong belief in cyclocross and to prove this it will offer, starting from 2012, an exhaustive range dedicated to the toughest discipline of the two-wheel world.
The cantilever brakes, offered in a silver or black version, have been designed to the smallest detail: optimisation of the gear levers for top braking and modularity, corrosion-resistant materials, optimisation of the design to avoid mud deposits and adjustments to the brake pads for maximum braking performance.
Together with the dedicated crank sets and wheels, you now have everything you need to face the toughest situations and the many hidden challenges of cyclocross.

CAMPAGNOLO® EXCLUSIVE TECHNOLOGIES:



OPTIMISED DESIGN FOR CYCLOCROSS:
prevents the accumulation of mud or other material between the brake and wheel – maintains performance even on the most challenging of terrains.



POSSIBILITY OF ADJUSTING THE BRAKE PADS AND THE TENSION OF THE CABLES:
allows you to adjust the brake pads in the best position with respect to the braking track.



POSSIBILITY OF ADJUSTING THE DISTANCE BETWEEN THE BRAKING PADS AND THE RIM:
allows adjusting the distance between the braking pads and the rim according to your needs.





KHAMSIN™ CX

Clincher

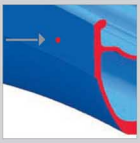
1873 grams for the new Khamsin™ CX version: for Campagnolo® it represents the entry level, for many, a starting point.
In fact, Khamsin™ CX represents the real point of reference for wheels in this segment: the absolute winner in terms of price/quality ratio.

WHEEL TECH

RIM



SPOKE DYNAMIC BALANCE™:
the balancing spoke assures the maximum wheel stability even at high speeds.



WEAR INDICATOR:
allows you to check the state of wear and tear on the rim instantaneously.

MAXIMUM COMPATIBILITY:
the profile of the rim can hold up to 35mm clinchers.

SPOKES



STRAIGHT-HEAD SPOKES:
maximum stiffness of the wheel – maintains the spoke tension and long-lasting performance.



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

HUB



OVERSIZED FLANGE:
increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.

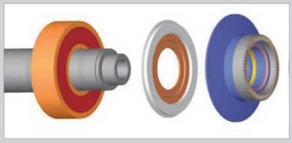


KHAMSIN CX

Clincher



ALUMINIUM HUB BODY:
provides a high degree of lateral stiffness.



ADDITIONAL SEAL:
keeps the bearings/balls zone clean and smooth running, maintaining performance over time.

SEALED BEARINGS:
maintains performance over time – longer life of the balls/bearings.

QUICK RELEASE



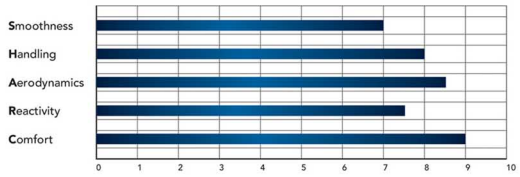
STEEL SPINE AND ECCENTRIC, ALUMINUM LEVER AND DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

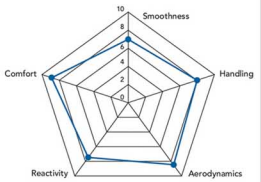


1873 g



S.H.A.R.C.







VENTO™ REACTION™ CX

Clincher

The characteristic G3™ spoke pattern on the front and rear and the oversize flanges will make this an unmistakable wheel, now created in a special version for racing on the muddy terrains of the Cyclocross course.
Thanks to the technical aspects developed by the Campy Tech Lab™ specifically for CX, Vento™ Reaction™ wheels are bound to give you the utmost satisfaction.

WHEEL TECH

RIM



SPOKE DYNAMIC BALANCE™:
the balancing spoke assures the maximum wheel stability even at high speeds.



RIM WITH EYELETS:
correct nipple/spoke alignment – reduces the noise level, reinforces the spoke seats.

MAXIMUM COMPATIBILITY:
the profile of the rim can hold up to 35mm clinchers.

SPOKES



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

STEEL SPOKES WITH VARIABLE THICKNESS: maximum aerodynamic penetration and stability at high speeds.

HUB



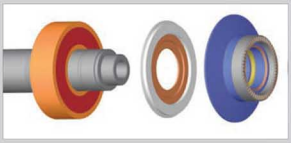


ALUMINIUM HUB BODY:
provides a high degree of lateral stiffness.

Clincher



OVERSIZED FLANGE:
increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.



ADDITIONAL SEAL:
keeps the bearings/balls zone clean and smooth running, maintaining performance over time.

SEALED BEARINGS: maintains performance over time – longer life of the balls/bearings.



1827 g

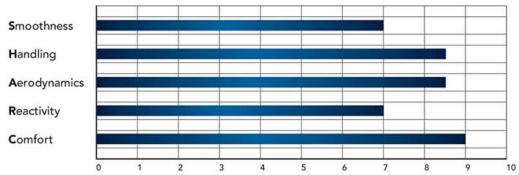


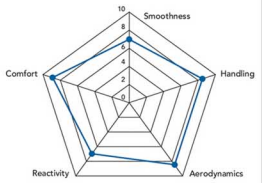
QUICK RELEASE



STEEL SPINE AND ECCENTRIC, ALUMINUM LEVER AND DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

S.H.A.R.C.







SCIROCCO™ CX

Clincher

Scirocco™ continues to be a huge success in the traditional "road" configuration.
Its eclectic characteristics were the perfect starting point for producing a Cyclocross product destined to become a point of reference.

WHEEL TECH

RIM



SPOKE DYNAMIC BALANCE™:
the balancing spoke assures the maximum wheel stability even at high speeds.



RIM WITH EYELETS:
correct nipple/spoke alignment – reduces the noise level, reinforces the spoke seats.



MACHINED SIDES:
reduces the peripheral weight of the rim.

MAXIMUM COMPATIBILITY: the profile of the rim can hold up to 35mm clinchers.

SPOKES



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

STEEL SPOKES WITH VARIABLE THICKNESS: maximum aerodynamic penetration and stability at high speeds.

STRAIGHT-HEAD SPOKES: maximum stiffness of the wheel – maintains the spoke tension and long-lasting performance.

HUB





ALUMINIUM HUB BODY: provides a high degree of lateral stiffness.

OVERSIZED FLANGE: increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.

SEALED BEARINGS: maintains performance over time – longer life of the balls/bearings.



ADDITIONAL SEAL: keeps the bearings/balls zone clean and smooth running, maintaining performance over time.

QUICK RELEASE



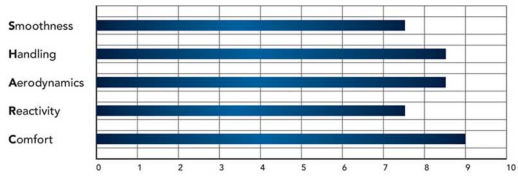
NEW, COMPLETELY REDESIGNED AND LIGHTER WHEEL BLOCK STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

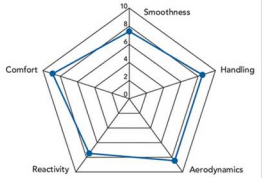


1795 g



S.H.A.R.C.







BULLET™ ULTRA™ CX

Clincher

Nothing can stop a Bullet™. Not even the mud, the rain or the sand of challenging cyclocross tracks.
Just when conditions become extreme, Bullet™ CX are elated and bring out their gritty and successful character.
Lightness, smoothness and responsiveness: the high-profile aluminium and carbon fibre wheels for cyclocross riders who don't just want to participate, but want to get on the top step of the podium.

WHEEL TECH

RIM

ALUMINIUM PROFILE FOR CLINCHERS:
it allows the use of the traditional clincher up to 35mm.



INTEGRATED ALUMINIUM/CARBON RIM STRUCTURE:
the exclusive coupling system of the aluminium rim and carbon structure makes the rim extremely rigid, it allows for excellent responsiveness levels and durability of the wheel.

DYNAMIC BALANCING ON THE RIM:
thanks to a special operation of the production process, the carbon fiber layup is positioned in such a way as to obtain perfect balancing of the rim even at high speeds.

MOMAG™:
allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.

EXCLUSIVE PRESSING SYSTEM FOR THE RIM IN UNPAINTED CARBON:
enables an extremely limited weight and a smooth surface free from imperfections.

SPOKES



SPOKES ANTI-ROTATION SYSTEM™:
keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

DRSC™ (DIRECTIONAL RIM-SPOKE COUPLING):
exclusive rim/spoke coupling system. It allows the rim, spokes, nipples and hub to align properly with the same tensioning value in all areas.

AERODYNAMIC PROFILE IN STEEL: ensuring the maximum aerodynamic penetration and, thanks to the material employed, lower weight and greater reactivity.

SELF-LOCKING OVERSIZE ALUMINIUM NIPPLES:
they reduce the peripheral mass of the wheel to a minimum, thus increasing responsiveness. The nipples' self-locking system provides the correct tension of the spokes and does not require any maintenance.

HUB



ADDITIONAL SEAL: keeps the bearings /balls zone clean and smooth running, maintaining performance over time.

CUP AND CONE BEARINGS: easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.





ALUMINIUM HUB BODY: gives the wheel a high degree of lateral stiffness and reduces weight to the minimum.

OVERSIZED FLANGE ON THE DRIVE SIDE: increases the torsional stiffness, increasing reactivity at each change in rhythm of the pedal stroke.

ALUMINIUM AXLE: it reduces the weight of the wheel.

QUICK RELEASE



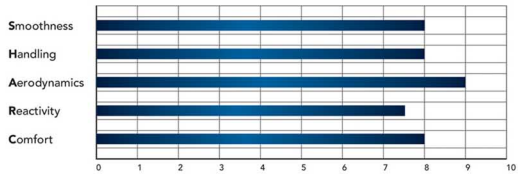
NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK. STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.

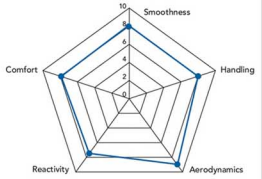


1610 g



S.H.A.R.C.







BORA™ ONE CX

Tubular

Flying across mud, water and sand.
Lighter wheels used to succeed have a clear name: Bora™ One CX. Derived directly from the road version, the "CX" have a special double lip seal innovation in the hub that keeps the balls/bearings area clean, thus maintaining the performance of the wheel in terms of smoothness and durability.
Tubular with a full carbon rim, the wheel that at just 1350g has a specific goal: the highest step of the podium.

WHEEL TECH

RIM



FULL CARBON HIGH PROFILE FOR 50mm TUBULAR: provides the maximum aerodynamic penetration. Extremely limited weight. The highest degree of lateral stiffness and reactivity of the wheel.



EXCLUSIVE RIM PRINTING SYSTEM: rim painting no longer required. The weight is greatly reduced and the surface is free from imperfections.



RDB™ RIM DYNAMIC BALANCE: exclusive system that assures perfect balancing of the rim even at high speeds. Moulded into the rim itself.



NEW BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS: the new blend increases the brake performance on both wet and dry surfaces without increasing the wear and tear on the pad. For a more modular and more secure stop.

SPOKES



EXCLUSIVE G3™ SPOKE PATTERN: perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

SPOKES WITH AERODYNAMIC PROFILE: provides the maximum aerodynamic penetration. Reduces aerodynamic drag saving rider energy.

SPOKES ANTI-ROTATION SYSTEM: allows the spokes to maintain the best aerodynamic position.

HUB



ADDITIONAL SEAL: keeps the bearings /balls zone clean and smooth running, maintaining performance over time.





ALUMINIUM HUB: provides a high degree of lateral stiffness and reduces weight to the minimum.

OVERSIZED FLANGE: increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.

CUP AND CONE BEARINGS: easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.

ALUMINIUM AXLE: reduces the weight of the wheel.

QUICK RELEASE



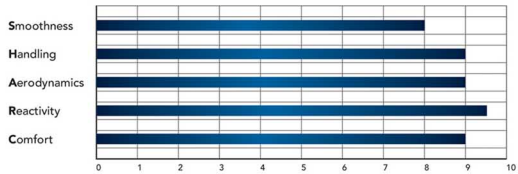
NEW, COMPLETELY REDESIGNED AND LIGHTER WHEEL BLOCK STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.

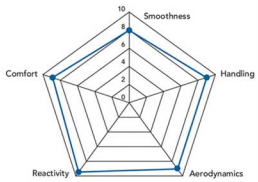


1350 g



S.H.A.R.C.













RECORD™ PISTA™ GROUPSET

The Record™ Pista™ groupset is a set of high-range components designed to exc el 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.

WHEEL TECH

RIM

38mm ALUMINIUM AERO RIM: maximum lateral and torsional stiffness – maintains stiffness features over time.

SPOKES

STAINLESS STEEL AERO SPOKES: maximum stiffness maintained over time.



2035 g

PISTA™

Tubular

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.
Designed to maximize the rigidity and resistance to bending and torsional radial strength, the Pista™ wheel has aluminium 38mm rim and stainless steel spokes to provide better reaction and power.



Thomas*.
He asked himself:
is there an ideal wheel
for my cycling style?
This is where he found
the answer.

* Thomas Voeckler.

WHEELS 2012

104 | WHEELS TECHNOLOGY

118 | LOW-PROFILE WHEELS

120 | NEUTRON™ ULTRA™

122 | HYPERON™ One

124 | HYPERON™ ULTRA™ Two

128 | MEDIUM-PROFILE WHEELS

130 | KHAMSIN™

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134 | SCIROCCO™

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138 | EURUS™

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142 | ZONDA™ 2-Way Fit™

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148 | ALU/CARBON HIGH-PROFILE WHEELS

150 | BULLET™

154 | BULLET™ ULTRA™

166 | CARBON HIGH-PROFILE WHEELS

168 | BORA™ One

170 | BORA™ ULTRA™ Two

176 | GHIBLI™ ULTRA™

Campagnolo

CAMPAGNOLO® WHEELS

The ongoing research for the best performance for Campagnolo® wheels, while maintaining extremely high quality and reliability levels, is the every day objective that engineers at Campy Tech Lab™ pursue to offer Campagnolo® enthusiasts high performance products.

Indeed the quality of Campagnolo® wheels, from Khamsin™ to Bora™, is insured by the entirely manual assembly process and the 100% checks conducted on each wheel.
Yes, every spoke, every nipple as well as the other components and labels are assembled by a specialised Campagnolo® operator that sees the "birth and growth" of the wheel, step by step.
And there's more: each wheel is carefully checked: the tension on each spoke must match the project parameters, as well as the concentricity, the lateral control up to aesthetic checks.
So here is the secret of the quality of Campagnolo® wheels: thorough checks on all the components and materials, manual assembly and thorough checks on all the wheels. A process that requires up to 1h and 40 minutes, which is rewarded by the undoubted reliability and top performance that have always characterised products by Campagnolo®.





CAMPAGNOLO® IDENTIFICATION CARD

Right from its inception Campagnolo® has been marked by feature that continues to this day: that is to design, prototype and industrialise all the wheels displaying trademark of the winged shield. Indeed these take shape inside of the Campy Tech Lab™, the leading-edge department that represents the beating heart of the Italian company. Every single component of the wheel, the materials chosen and the technologies applied are the tangible result of the effort that Campagnolo® makes every day to give you maximum performance and reliability.
To ensure the top performance and reliability of its products, each project, for the production stage, must undergo a series of very strict tests that validate what has been conceived and designed up to that moment.

- **Fatigue test:** before the manufacturing stage, each wheel and each of its components are subjected to long and very challenging tests that ensure the durability and performance over time.
- **Crash test:** it simulates the impact of the wheels with possible obstacles. The Campagnolo® tests have successfully passed the tests required by UCI standards.
- **Tyre burst test:** all Campagnolo® wheels are tested at inflation pressures well above those indicated on the tyre.
- **Enviroment test:** exposure to UVA and UVB rays, salt attack and exposure to moisture: these are the tests that all Campagnolo® wheels must pass to ensure maximum performance and reliability over time.

100% Manually assembled and Electronically checked



The pre-emptive tests mentioned above may be sufficient.
But not for Campagnolo® who wants to ensure the highest quality of each individual wheel, checking the parameters at the end of the production process.
This is why Campagnolo® made a clear and conscious choice: to assemble each wheel manually and submit it to a series of final checks that guarantee their quality.
This is the only way, thanks to the entirely manual assembly by trained and specialised personnel and the final 100% checks carried out by specially designed electronic instruments, it is possible to ensure the quality of the wheel you have purchased.

- **Balancing:** it guarantees the absence of vibrations at fast speed
- **Lateral and radial control:** it guarantees the perfect alignment of the wheel to ensure rolling of the wheel
- **Camber:** it ensures the perfect symmetry of the wheels with the bicycle
- **Spokes tension:** it ensures optimal balance at every point of the wheel
- **Rolling torque of the hub:** it insures a perfect adjustment of the hubs

This is why, from its 2012 range, Campagnolo® wanted to supply each wheel with its own Identity Card (ID) which uniquely identifies the wheel and certifies that it has been manually assembled and has passed all tests required by the strict quality protocol.



S.H.A.R.C INDEX

No two wheels are alike, and no two riders.
This is why Campagnolo®, in collaboration with professional racers as well as amateur enthusiasts, has identified and developed the five most significant indicators that will allow you to choose the best wheel for your riding style and your needs.

What does S.H.A.R.C. stand for?

Smoothness: This indicator helps you understand the degree of smoothness of one wheel with respect to another thanks, for example, to the use of high performance the CULT™ ceramic ball bearings, or the USB™ ceramic ball bearings, or thanks to other technologies applied to the wheel such as 2-Way Fit™.

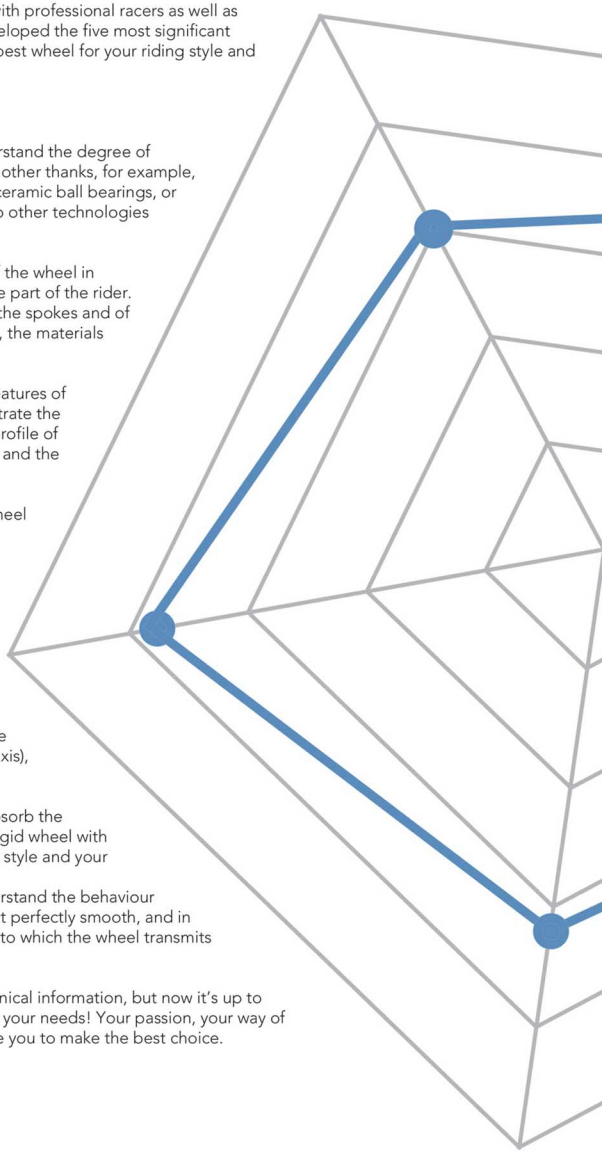
Handling: This is the agility and reactivity of the wheel in changing direction at a given impulse on the part of the rider. This indicator depends on the geometry of the spokes and of the hub, and on the cross-section of the rim, the materials used, and the type of tire.

Aerodynamic: Indicates the performance features of the wheel in terms of its propensity to penetrate the air. This factor depends on the height and profile of the rim, the section and form of the spokes, and the degrees of camber of the wheel.

Reactivity: How "ready" and quick is the wheel in response to your change of pace on the pedals? The reactivity index of the wheel refers precisely to this concept.
Reactivity depends on the weight of the rim and of the wheel in its entirety, on the torsional stiffness (i.e. how much the wheel deforms around the hub at the moment in which the cyclist pushes on the pedals), the flexional stiffness (i.e. the extent to which the wheel maintains its shape along its axis when it is shifted, due to the push on the pedal, from the vertical axis), and on inertia.

Comfort: Do you prefer a wheel that can absorb the ruggedness of the terrain or an absolutely rigid wheel with no compromise? It depends on your driving style and your particular needs.
The comfort index aims to help you to understand the behaviour of the wheel in the case of roads that are not perfectly smooth, and in any case to help you understand the extent to which the wheel transmits the vibrations of your bike.

Campagnolo® provides you with all the technical information, but now it's up to you to decide which is the perfect wheel for your needs! Your passion, your way of riding your bike, and your feeling will enable you to make the best choice.



S.H.A.R.C.

	Smoothness	Handling	Aerodynamics	Reactivity	Comfort
LOW-PROFILE WHEELS					
NEUTRON™ ULTRA™ Clincher	8	10	6	8,5	10
HYPERON™ One Clincher	8	10	6	9,5	9
HYPERON™ ULTRA™ Two Clincher/Tubular	10	10	6	10	9
MEDIUM-PROFILE WHEELS					
KHAMSIN™ Clincher	7,5	8	8,5	7,5	9
VENTO™ REACTION™ Clincher	7,5	8,5	8,5	7	9
SCIROCCO™ Clincher	7,5	8,5	8,5	7,5	9
ZONDA™ Clincher	8	9	8,5	8	8,5
EURUS™ Clincher	8	9	8,5	8,5	8
SHAMAL™ ULTRA™ Clincher/Tubular	9	9	8,5	9	8
ZONDA™ 2-Way Fit™	8	9	8,5	8	8,5
EURUS™ 2-Way Fit™	8	9	8,5	8,5	8
SHAMAL™ ULTRA™ 2-Way Fit™	9	9	8,5	9	8
ALU/CARBON HIGH-PROFILE WHEELS					
BULLET™ Clincher	8,5	8	9	7,5	8
BULLET™ 80 Clincher	8,5	7	9,5	6,5	8
BULLET™ ULTRA™ Clincher/2-Way Fit™	10	8	9	7,5	8
BULLET™ ULTRA™ 80 Clincher/2-Way Fit™	10	7	9,5	6,5	8
BULLET™ ULTRA™ 105 Clincher/2-Way Fit™	10	6	10	6	7
CARBON HIGH-PROFILE WHEELS					
BORA™ One Tubular	8,5	9	9	9,5	9
BORA™ ULTRA™ Two Tubular	10	9	9	10	9
BORA™ ULTRA™ 80 Tubular	10	7	10	9	8
CX WHEELS					
KHAMSIN™ CX Clincher	7	8	8,5	7,5	9
VENTO™ REACTION™ CX Clincher	7	8,5	8,5	7	9
SCIROCCO™ CX Clincher	7,5	8,5	8,5	7,5	9
BULLET™ CX Clincher	8	8	9	7,5	8
BORA™ One CX Tubular	8	9	9	9,5	9

ULTRA-FIT™

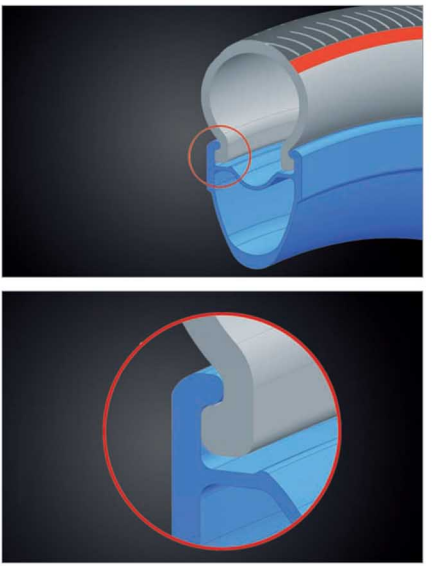
The design we have employed for our rims using Ultra-Fit™ Tubeless technology allows the sidewalls of the tire to mate perfectly with the shoulders of the rim.

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.

Thanks to the rim profile design, ULTRA-FIT™ allows for perfect adherence between the tubeless tire and the rim.

The advantages of ULTRA-FIT™ technologies are:

- easy tire mounting
- maximum safety
- less friction
- less energy dispersion
- improved performance





2-WAY FIT™

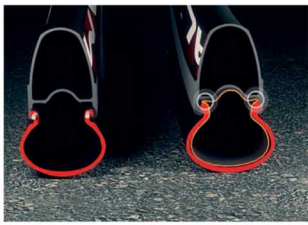
2-Way Fit™ is the – profile which makes it possible to fit both a tubeless tiretire or a classic clincher.
With 2-Way Fit™, Campagnolo® customers will be able to personally test which of the two solutions suits them best or use the clincher for training and the tubeless tire for the day of the race.

With no doubt tubeless tires are the future of road cycling. Apart from greater comfort, the advantages are many: using a tubeless tire you can exploit the greater smoothness due to the absence of friction between the tire and the tube. There are no risks of sudden deflation when a tubeless tire is punctured, a great advantage in safety terms.

The lack of tubes eliminates puncture risks.
And what if the tubeless tire has a puncture? The Campagnolo® 2-Way Fit™ system allows you to use a traditional inner tube by simply removing the hermetic closure valve to ride home with no problem.







The tubeless tire does not have an inner tube and consequently there is no risk of sudden deflation due to punctures.



The tubeless tire rolls more smoothly thanks to the absence of friction between tire and inner tube.

2-WAY FIT

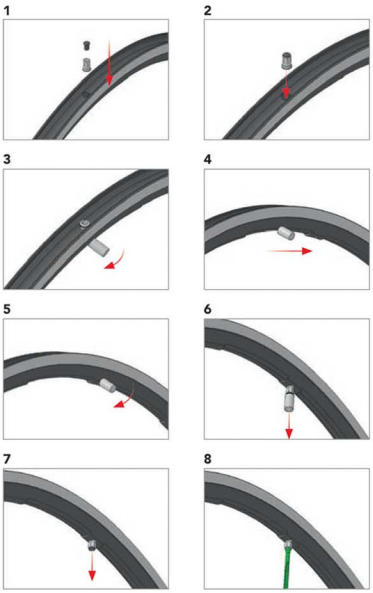
2-WAY FIT

MoMag™

What is MoMag™?
This was what led to the patent for the well-tested "**Mo**unting **Mag**net" system, or MoMag™.

How does it work?
The nipples, once inserted inside the rim via the valve hole, are "guided" to the point of connection with the spoke by means of the magnet.
This simple but ingenious system makes it possible to have a wheel without holes on the upper bridge, but with spokes tensioned by traditional nipples!

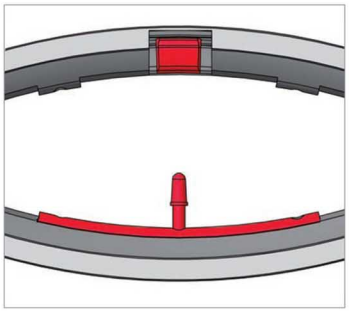
Advantages
No holes on the rim means that the rim is uniform at every point, free from stress points or zones of weakness and, for the clincher profiles no rim tape is required, to the benefit of weight reduction.
The advantages are immediately clear: greater rim lifetime, greater resistance to fatigue, the possibility to give the spokes greater tension, and greater stiffness which, in terms of performance, mean greater reactivity and acceleration.
But that's not all. The advantages also include extremely quick and simple maintenance and spoke replacement.
All to the benefit of cyclists who choose Campagnolo®.





DYNAMIC BALANCE™

Dynamic Balance™ Aluminium wheels.



RIM DYNAMIC BALANCE™ – aluminium rims

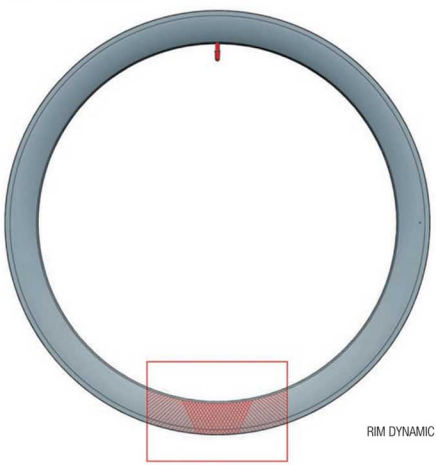
RIM Dynamic Balance™
The concept is simple and elegant: balance the weight of the gasket, with an item of similar weight placed on the exact opposite side. For top models, this is obtained by a special operation on the section of the rim opposite the rim joint.

SPOKES Dynamic Balance™
For entry-level models, Dynamic Balance™ is obtained by using two oversized spokes in the section opposite the joint. The result is a wheel with perfectly balanced rotational dynamics.



SPOKES DYNAMIC BALANCE™ – aluminium rims

Dynamic Balance™ Carbon wheels.



RIM DYNAMIC BALANCE™ – carbon rims

RIM Dynamic Balance™
For carbon wheels the principle is the same, but applied using a different technology. When making carbon rims, the pieces of carbon fabric are aligned in such a manner that the resulting rim is always balanced.

CULT™ CERAMIC ULTIMATE LEVEL TECHNOLOGY



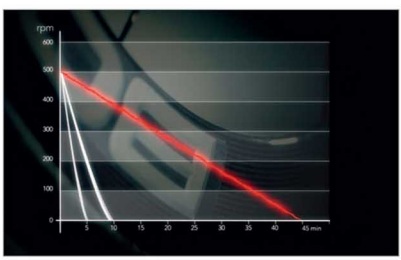
CULT™: Ceramic Ultimate Level Technology™.
Behind this project is the exclusiveness of Cronitect® steel; using "Advanced by FAG" technology by Schaeffler Group employed for the bearing races.
This is steel which takes resistance to corrosion to the highest level; to the point that, no grease is necessary for lubrication, just a small amount of oil.



The top quality ceramic balls, thanks to the absence of lubricating grease and the precision machining of the cup/cone, allow to drastically reduce the friction coefficient and thus increase the smoothness of the wheel by as much as 9 times compared to standard bearings.
An outstanding result achieved by using cutting-edge technologies in the field of materials processing.

SCAN THE TWO-DIMENSIONAL MATRIX CODE WITH YOUR SMARTPHONE AND DISCOVER ALL THE INFORMATION ON THIS TECHNOLOGY.

The test performed involves spinning the wheel to 500 rpms then letting it decelerate. The test results are amazing: the wheel equipped with CULT™ ball bearings continues its motion for a full 45 minutes, i.e. nine times longer than standard bearings.



CERAMIC ULTIMATE LEVEL TECHNOLOGY
MAXIMUM SMOOTHNESS FOR MAXIMUM PERFORMANCE

USB™

Campagnolo® has a long-standing reputation for the extremely high performance of its hubs in terms of smoothness and reliability.

In fact, all the projects are entirely developed in our R&D department and we have put obsessive care into taking care of every detail.

The hubs with USB™ ceramic bearings (Ultra Smooth Bearings) further enhance the wheels' smoothness and reduce weight and the need for maintenance.

Comparative tests have shown that USB™ bearings are 50% smoother than standard bearings.

Now improving your performance during the race or simply going for a ride with your friends will be easier.





USB™ CERAMIC ULTRA SMOOTH BEARINGS

G3 SPOKING™

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. And thanks to the G3™ system that compensates for the forces acting on the 2 sides of the wheel, there are no more wheel vibrations, even for heavier people.

In the 2012 range the Shamal™ and Eurus™ wheels increase their responsiveness specifically thanks to this system. G3™ becomes Mega-G3™ thanks to the oversize flange. This solution allows the increase of the torsional stiffness values even more, to the benefit of the overall responsiveness of the wheel.





Spoke antirotation system.

The Campagnolo® Hyperon™ One, Zonda™ and Bora™ One wheels feature a spoke antirotation system patented by Campagnolo® that raises spoke performance to an unprecedented level.
The Campagnolo® designers studied the spoke-hub interface from the ground up to create a coupling system that would keep the spokes always in the exact identical position. This means that the spokes of Campagnolo® wheels do not rotate, so there is no loss of tension during use and the aerodynamic penetration is not compromised.

MEGA G3™

CAMPAGNOLO® QUICK RELEASE

What is the Campagnolo® Quick Release?

The Campagnolo® Quick Release is not simply a wheel locking/release system.
First and foremost, it is the component that guarantees the cyclist's safety, especially at high speeds, such as in road races. The Campagnolo® Quick Release project started with a very clear objective: the maximum performance in terms of easy assembly/disassembly, weight, smoothness of the wheel, but without compromising safety in any way.
The patented Campagnolo® mechanism is the one that best meets these needs. The lever is positioned centrally with respect to the axis of the hub axle, i.e. in the best position to put both ends of the axle in traction without differences in load between the sides.
The axle is in the form of a cam and applies the closure traction on the axis of the quick release.
Starting from the 2012 range, for the Bullet Ultra™ family and for all the high-profile wheels, Campagnolo® presents the brand new aerodynamic quick releases.
The mechanics and the design are those of the well-tested Campagnolo® patent, and the lever has been designed for the maximum aerodynamic penetration.

Advantages

Thanks to the cam axle closure, it is simple and intuitive to understand the force to be applied for correctly closing the quick release and, even more importantly, the cam creates a mechanical impediment to the opening of the release, making it extremely safe during road use.
The fork positioned symmetrically with respect to the sides of the lever and centrally with respect to the axis of the skewer, enables an even distribution of the loads and forces at each point of the skewer, thus avoiding critical breakage points and at the same perfect closure the fork of the frame and the wheel.
The symmetry of the lever and the special shape of the cam make locking and releasing the wheel extremely easy, fluid, and safe.
The new aerodynamic form, moreover, considerably improves the aerodynamic coefficient of the range of wheels dedicated to time trial disciplines.

QUICK RELEASE

				
LOW-PROFILE WHEELS				
NEUTRON™ ULTRA™			•	
HYPERON™ One				•
HYPERON™ ULTRA™ Two				•
MEDIUM-PROFILE WHEELS				
KHAMSIN™	•			
VENTO™ REACTION™	•			
SCIROCCO™		•		
ZONDA™		•		
EURUS™			•	
SHAMAL™ ULTRA™			•	
ZONDA™ 2-Way Fit™			•	
EURUS™ 2-Way Fit™			•	
SHAMAL™ ULTRA™ 2-Way Fit™			•	
ALU/CARBON HIGH-PROFILE WHEELS				
BULLET™		•		
BULLET™ ULTRA™				•
CARBON HIGH-PROFILE WHEELS				
BORA™ One				•
BORA™ ULTRA™ Two				•
CX WHEELS				
KHAMSIN™ CX	•			
VENTO™ REACTION™ CX	•			
SCIROCCO™ CX		•		
BULLET™ ULTRA™ CX				•
BORA™ One CX				•

THE ALUMINIUM/CARBON WHEELS PROJECT

Not all aluminium/carbon wheels are identical.

Even for this range of wheels **Campagnolo®** demanded top performance levels, pursuing clearly challenging project targets.
Maximum technology has also been applied to this new range of wheels. **Campagnolo®** has indeed designed these wheels by setting 4 clear objectives to be able to achieve maximum performance and reliability:



- High responsiveness levels
- Outstanding smoothness performance
- Aerodynamics designed and optimised to minimise the coefficient of air penetration and, at the same time, make the wheel easy to handle and safe even with cross winds
- An extremely competitive weight for this category of wheels.

The Campy Tech Lab™ has once again successfully reached the objectives set.



RESPONSIVENESS: the aluminium/carbon wheels have been manufactured with technical details that make them incredibly responsive to a cyclist's change in pace:

- **Oversize flange**: the size of right flange of the rear wheel has been designed in order to maximise the transmission of power to the wheel and to increase the tensional rigidity and overall responsiveness of the wheel.
- **G3™ spoking**: the double spokes on the right side of the rear wheel and the exclusive **G3™ spoking system** by **Campagnolo®** allow to increase the lateral stiffness of the wheel, thus increasing the energy transferred from the cyclist to the wheel.
- **The G3™ system**, also the reduces the stress of the spokes on the sprocket set side and keeps the wheel steady and balanced even at fast speed or in the case of heavier cyclists.
- **Straight-Head Spokes**: they increase the responsiveness of the wheel thanks to the possibility to set high values for the tension of the spokes, by also maintaining these high tensions over time.
- **DRSC™ Technology**: The Directional Rim-Spoke Coupling system allows to obtain a perfect alignment for the rim, nipples, spokes and hub. This allows to eliminate any tensions between the components and to obtain high spoke tension values. In terms of performance, this means greater responsiveness and maintaining these values over time.

SMOOTHNESS: the **Campagnolo®** wheels have always distinguished themselves for being extremely smooth. The BULLET wheels retain this property thanks to the leading-edge technology of the materials used and the technical solutions that the **Campy Tech Lab™** is able to design.



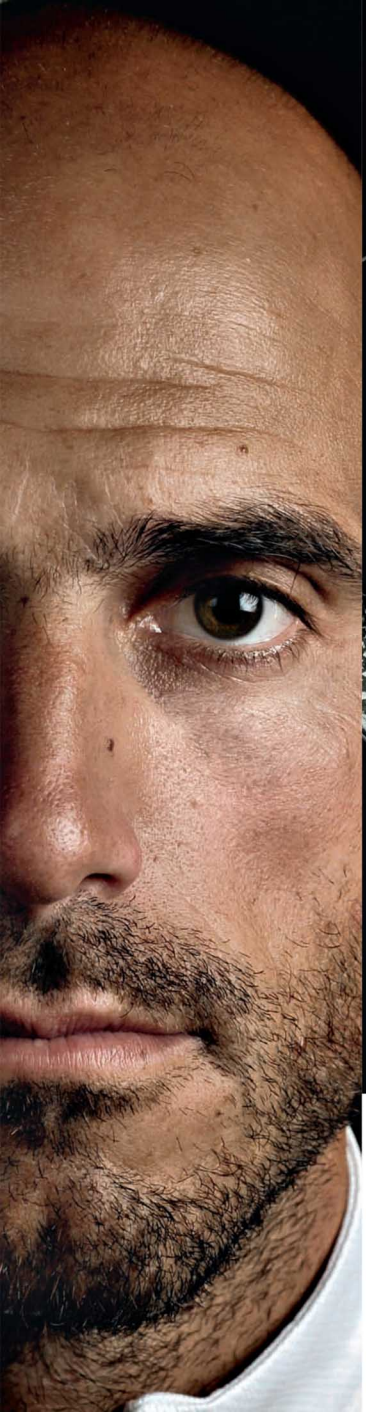
- **CULT™ Technology**: 9 times smoother compared to traditional bearings thanks to the special steel treatment of the cup/cone (CRONITECT® technology developed by Schoeffler) and thanks to the best ceramic balls available on the bicycle market.
  This technology allows to avoid lubricating grease, which is replaced exclusively by a film of oil and also allows to maintain performance over time thanks to the absence of corrosion.
- **USB™ Technology**: using the best ceramic bearings allows to reduce friction, increase smoothness and maintain performance over time.
- **Exclusive bearing adjustment system**: the system designed by **Campagnolo®** to adjust the bearings allows for easy and immediate maintenance; it also allows the races/bearings to always maintain the correct position, eliminating possible clearance between the components in friction.
- **Cone/cup system**: there is always an optimal angle of contact between the balls and the cup/cone. As well as increasing smoothness, this also maintains performance over time.



AERODYNAMICS: not just maximum aerodynamic penetration, but also manoeuvrability in the presence of cross winds.

The profile of the rim has been conceived and designed in collaboration with the top Triathlon and Time Trial athletes and optimised thanks to computerised simulation research. Aerodynamics has been optimised thanks to the aerodynamic profile of the rim, especially where the spokes are attached, their aerodynamic profile and their position with respect to the rim. This all led to the goal of making the wheel extremely aerodynamic in any situation. But for **Campagnolo®** this is not enough. The **Bullet™** wheels have been designed to be easy to handle and safe even with cross winds. Thanks to simulations it was possible to understand which areas had more interference in the case of cross winds. To reduce these negative effects to a minimum, the design of the rim, the spokes and the hub have been done to minimise interference making the high-profile wheels adequate to any situation.

WEIGHT: although these are wheels dedicated to fast competitions and time trial, **Campagnolo®** did not want to compromise on performance. In this case its long-standing experience in terms of wheels and carbon fibre components, was extremely useful to develop the new aluminium/carbon wheels. The result is definitely significant and positions the high-profile wheels amongst the best in terms of weight.
This result was made possible thanks to the moulding technology of the rim, which requires no priming and allows to reduce the weight of the carbon profile to a minimum. The hub to has been designed to minimise weight and, in the Ultra version, has been lightened thanks to the use of aluminium.





Corrado',
for him bikes have always
had an important role,
both in preparing his athletes
and in his heart.

'FISI coach



LOW-PROFILE WHEELS

Long demanding ascents, nervy 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.



NEUTRON™ ULTRA™

Clincher

Classic. And never skips a beat.
The Neutron™ Ultra™ are now a well-established symbol of success for Campagnolo® wheels.
Sought after by professionals and amateur cyclists alike, its characteristics are inimitable. Super lightweight on inclines and extremely reliable; they can be responsive when called upon, or comfortable against the hard pavement, even after hours on the seat.
The Neutron™ Ultra™ encompasses everything a cyclist requires.

WHEEL TECH

RIM



THE EXCLUSIVE GEOMETRY OF THE POLYGONAL RIM:
allows for an elastic rim, which is both comfortable and extremely responsive at the same time.



REAR RIM WITH AN ASYMMETRICAL DRILLING:
allows for a perfect alignment of the nipples and hub for better spoke tension, leaving no weak points.

MILLED, LOW-PROFILE RIM:
reduces the peripheral weight of the rim, and makes the wheel responsive and fast, especially in up-hill rides.

SPOKES



STRAIGHT-HEAD STEEL SPOKES IN VARIABLE SECTIONS:
maximum wheel torsional stiffness. Spoke tension is maintained and guaranteed performance with the best aerodynamics. Stability even at high speeds.

HUB

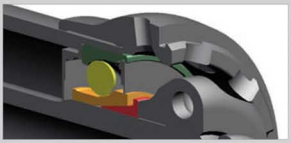




CARBON FIBRE HUB BODY:
high degree of lateral stiffness – reduces the weight to the minimum.

NEUTRON ULTRA

Clincher



CUP AND CONE BEARINGS:
easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.



OVERSIZED FLANGE:
increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.

ALUMINIUM AXLE: reduces the weight of the wheel.



1470 g

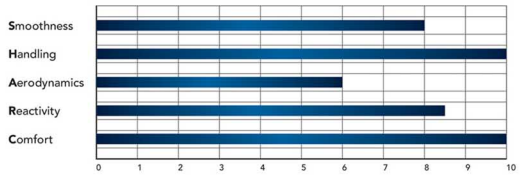


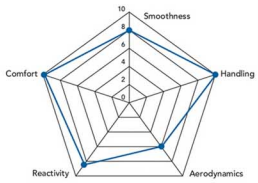
QUICK RELEASE



STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

S.H.A.R.C.







HYPERON™ ONE

Clincher

Their natural terrain? Steep mountains. Those who have come to love the "classic clincher" can now enjoy each and every climb. Lightweight and solid, Hyperon™ One's carbon rim makes your pedaling effective and responsive.
With the "One", Campagnolo® hopes to enhance all the possibilities of enjoying extreme performance situations. Comparable to the Ultra™ Two, the formidable wheels that professionals use for races, including major wins. Try them, and see for yourself.

WHEEL TECH

RIM



FULL CARBON:
extremely limited weight. The highest degree of lateral stiffness and reactivity of the wheel.



EXCLUSIVE RIM PRINTING SYSTEM:
rim painting no longer required. The weight is greatly reduced and the surface is free from imperfections.



RDB™ RIM DYNAMIC BALANCE:
exclusive system that assures perfect balancing of the rim even at high speeds. Moulded into the rim itself.



NEW BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS:
the new blend increases the brake performance on both dry and wet surfaces without increasing the wear and tear on the pad. For a more modular and more secure stop.

SPOKES



SPOKES ANTI-ROTATION SYSTEM:
keeps the spokes in the position of maximum aerodynamic penetration.

STEEL, AERODYNAMIC SPOKES:
allows for the high degree of air penetration.

HUB





ALUMINUM HUB: permits greater lateral torsional stiffness, and keeps the load impact low.

CUP AND CONE BEARINGS: easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.

OVERSIZED FLANGE: greater torsional stiffness and greater reactivity.

ALUMINIUM AXLE: reduces the weight of the wheel.

QUICK RELEASE



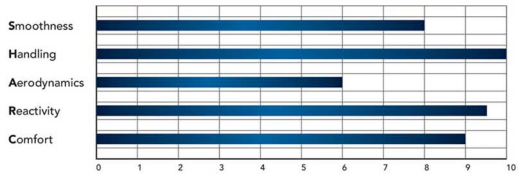
NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK. STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

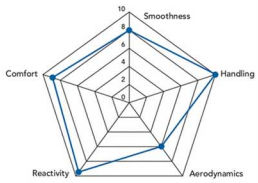


1380 g



S.H.A.R.C.







HYPERON™ ULTRA™ TWO

Tubular

Accelerate on every incline, take off from every hairpin turn.
The Hyperon™ Ultra™ Two are the "low profiles" that let you handle any route with perfect agility.
The bearing/race system with CULT ™ technology makes for maximum smoothness while the full carbon rim allows for the combination of extreme lightness and high level of torsional stiffness. This all translates into an explosive responsiveness.
The mountain peak is drawing near – enjoy yourselves!

WHEEL TECH

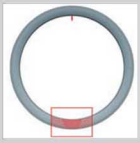
RIM



FULL CARBON FOR TUBULAR:
extremely low weight. A high lateral torsional stiffness and wheel responsiveness.



EXCLUSIVE RIM PRINTING SYSTEM:
rim painting no longer required. The weight is greatly reduced and the surface is free from imperfections.



RDB™ RIM DYNAMIC BALANCE:
exclusive system that assures perfect balancing of the rim even at high speeds. Moulded into the rim itself.



NEW BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS:
the new blend increases the brake performance on both dry and wet surfaces without increasing the wear and tear on the pad. For a more modular and more secure stop.

SPOKES



STEEL, AERODYNAMIC SPOKES:
allows for the high degree of air penetration.

HUB

CULT CERAMIC ULTIMATE LEVEL TECHNOLOGY
MAXIMUM SMOOTHNESS FOR MAXIMUM PERFORMANCE



CULT™:
The combination of the highest quality ceramic balls with races in special Cronitect™ steel. Nine times smoother than the standard system. Eliminates oxidation and maintains performance over time.

Tubular





CARBON FIBRE HUB:
provides a high degree of lateral stiffness and reduces weight to the minimum.

CUP AND CONE BEARINGS:
easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.

ALUMINIUM AXLE: reduces the weight of the wheel.



1231 g

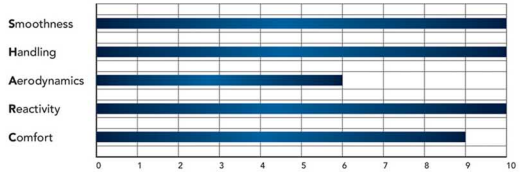


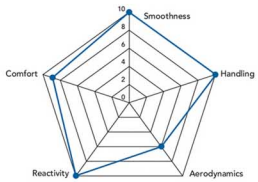
QUICK RELEASE



NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK. STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

S.H.A.R.C.







HYPERON™ ULTRA™ TWO

Clincher

Lightness and tradition.
The Hyperon™ Ultra™ Two is, by definition, a mountain-biker's wheel. The full-carbon's low profile clincher version combines lightness, smoothness and responsiveness in extreme performances with the versatility typical of this type of wheel.
Long distances don't frighten this wheel, and long climbs are the ideal terrain for testing the great two wheel "climbers" of the world.

WHEEL TECH

RIM



FULL CARBON FOR CLINCHER:
extremely reduced drag. A high lateral rigidity value and responsiveness to the wheel.



EXCLUSIVE RIM PRINTING SYSTEM:
rim painting no longer required. The weight is greatly reduced and the surface is free from imperfections.



RDB™ SPOKES DYNAMIC BALANCE:
exclusive system that assures perfect balancing of the rim even at high speeds. Moulded into the rim itself.



NEW BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS:
the new blend increases the brake performance on both dry and wet surfaces without increasing the wear and tear on the pad. For a more modular and more secure stop.

SPOKES



STEEL, AERODYNAMIC SPOKES:
allows for the high degree of air penetration.

HUB

CULT CERAMIC ULTIMATE LEVEL TECHNOLOGY
MAXIMUM SMOOTHNESS FOR MAXIMUM PERFORMANCE



CULT™:
The combination of the highest quality ceramic balls with races in special Cronitect™ steel. Nine times smoother than the standard system. Eliminates oxidation and maintains performance over time.

HYPERON ULTRA TWO

Clincher





CARBON FIBRE HUB: provides a high degree of lateral stiffness and reduces weight to the minimum.

CUP AND CONE BEARINGS: easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.

OVERSIZED FLANGE: greater torsional stiffness and greater reactivity.

ALUMINIUM AXLE: reduces the weight of the wheel.

QUICK RELEASE



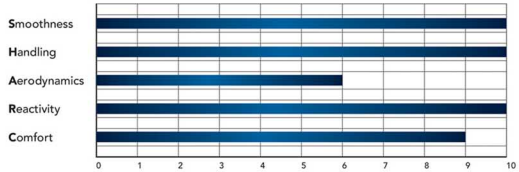
NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK. STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

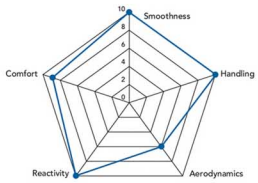


1345 g



S.H.A.R.C.









Ettore'.
In front of the camera
I can lose myself, on the bike
I can find myself again.

'Ettore d'Alessandro - Actor



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.
After the 2-Way Fit™ wheels' great success, Campagnolo® introduced 3 double clincher versions: Shamal™ 2-Way Fit™, Eurus™ 2-Way Fit™ and Zonda™ 2-Way Fit™: 3 different models that allow our customers to choose the most appropriate wheel to meet their demands.
The 2012 range is completed with the Vento™, Scirocco™ and Khamsin™ wheels: reliable, sturdy and perfect for training or daily use.



KHAMSIN™

Clincher

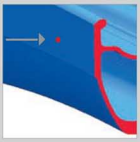
The entry level model of the medium profile range, but only the price is entry level.
The Khamsin™ in fact, thanks to its reduced weight (1873 g), straight-head spokes, and the exclusive G3™ spoke pattern, undoubtedly belongs to a category of superior level.
The intense work carried out by the Campy Tech Lab™ engineers has made it possible for all cycling enthusiasts to experience the Campagnolo® brand by enjoying Khamsin™ wheels aggressive and high performance, at an affordable price.
The Khamsin™ wheelset is now also available in the new Black & Red version.

WHEEL TECH

RIM



SPOKE DYNAMIC BALANCE™:
the balancing spoke assures the maximum wheel stability even at high speeds.



WEAR INDICATOR:
allows you to check the state of wear and tear on the rim instantaneously.

SPOKES



STRAIGHT-HEAD SPOKES:
maximum stiffness of the wheel – maintains the spoke tension and long-lasting performance.



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

HUB



OVERSIZED FLANGE:
increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.



KHAMSIN

Clincher



ALUMINIUM HUB BODY:
provides a high degree of lateral stiffness.

SEALED BEARINGS:
maintains performance over time – longer life of the balls/bearings.

QUICK RELEASE



STEEL SPINE AND ECCENTRIC, ALUMINUM LEVER AND DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.



NEW SPECIAL QUICK RELEASES FOR BLACK & RED VERSION.

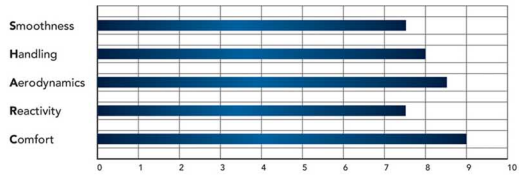


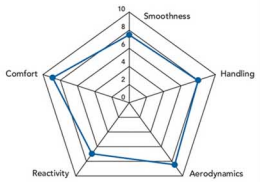
1873 g



Black & Red

S.H.A.R.C.







VENTO™ REACTION™

Clincher

Oversized hubs, spokes with differentiated thickness and G3™ geometry, along with aggressive graphics, all make the Vento™ Reaction™ a wheel with an attractive price/performance ratio. Just the right compromise to be able to take advantage of Campagnolo® technology for everyday training but also, why not in a granfondo?

WHEEL TECH

RIM



SPOKE DYNAMIC BALANCE™:
the balancing spoke assures the maximum wheel stability even at high speeds.



RIM WITH EYELETS:
correct nipple/spoke alignment – reduces the noise level, reinforces the spoke seats.

SPOKES



EXCLUSIVE G3™ SPOKE PATTERN:
Perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

STEEL SPOKES WITH VARIABLE THICKNESS:
maximum aerodynamic penetration and stability at high speeds.

HUB





ALUMINIUM HUB BODY:
provides a high degree of lateral stiffness.

VENTO REACTION

Clincher



OVERSIZED FLANGE:
increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.

SEALED BEARINGS:
maintains performance over time – longer life of the balls/bearings.



1827 g

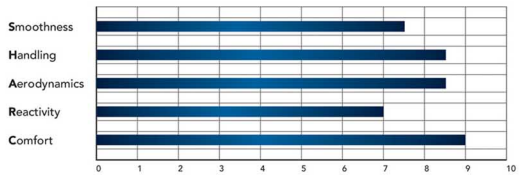
QUICK RELEASE

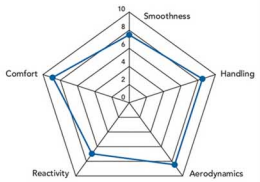


STEEL SPINE AND ECCENTRIC, ALUMINUM LEVER AND DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.



S.H.A.R.C.







SCIROCCO™

Clincher

Scirocco™ has won the hearts of cyclists everywhere who want high level performance features at an excellent price/quality ratio.
The Scirocco™ wheel is the tangible result of the work carried out by the Campy Tech Lab™ R&D team. The right balance between performance and price to offer the public a wheel that does not forego top-notch features.
Scirocco™ is a high level wheel also in terms of design. It is available in the Black colour version.

WHEEL TECH

RIM



SPOKE DYNAMIC BALANCE™:
the balancing spoke assures the maximum wheel stability even at high speeds.



RIM WITH EYELETS:
correct nipple/spoke alignment – reduces the noise level, reinforces the spoke seats.



MACHINED SIDES:
reduces the peripheral weight of the rim.

SPOKES



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

STEEL SPOKES WITH VARIABLE THICKNESS:
maximum aerodynamic penetration and stability at high speeds.

STRAIGHT-HEAD SPOKES:
maximum stiffness of the wheel – maintains the spoke tension and long-lasting performance.

SCIROCCO

Clincher

HUB





ALUMINIUM HUB BODY:
provides a high degree of lateral stiffness.

OVERSIZED FLANGE: increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.

SEALED BEARINGS: maintains performance over time – longer life of the balls/bearings.

QUICK RELEASE



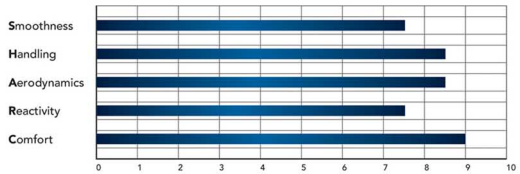
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Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

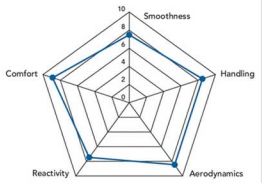


1795 g



S.H.A.R.C.







ZONDA™

Clincher

The characteristic Campagnolo® G3™ spoke pattern, the aggressive graphics, and the weight of just 1555 g make the Zonda™ clincher a "transversal" wheel for all enthusiasts who want great performance at a very limited price.
The top of the range technical and performance features are all here. Besides sporting the G3™ system, Zonda™ has differentiated milled rims and aero spokes with anti-rotation system.
Now it's your turn to climb to the top and lead the pack!

WHEEL TECH

RIM



MILLED RIM:
reduces the peripheral weight of the rim and makes the wheel extremely reactive.



MOMAG™:
allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.



DYNAMIC BALANCE™:
every point of the rim is counter-balanced by an equal weight on the opposite side. Maximum stability of the wheel even at high speeds.

DIFFERENTIATED RIM HEIGHT:
26mm at the front to provide optimal handling; 30mm at the rear for transmitting all your power to the wheel.

SPOKES



SPOKES ANTI-ROTATION SYSTEM:
keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

AERO SPOKES IN ALUMINIUM:
maximum aerodynamic penetration – lower weight and greater reactivity.

ZONDA

Clincher

HUB





ALUMINIUM HUB BODY:
provides a high degree of lateral stiffness.

ALUMINIUM AXLE: reduces the weight of the wheel.



1555 g

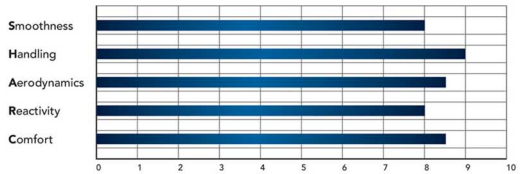


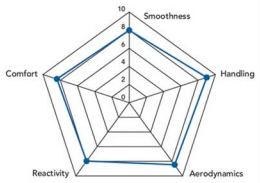
QUICK RELEASE



NEW, COMPLETELY REDESIGNED AND LIGHTER WHEEL BLOCK STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

S.H.A.R.C.







EURUS™

Clincher

Eurus™ wheels are designed to be extremely versatile. Light on climbs and quick to respond to changes of pace, they know how to adapt to any type of ride and any type of course.
And now, thanks to the new oversized flange and the innovative Mega-G3™ system, Eurus™ wheels have made a true leap in quality to become, alongside the Shamal™ Ultra™, the top of the range aluminium wheels to reference on the market.

WHEEL TECH

RIM



TOROIDAL MILLING: reduces the peripheral weight of the rim – makes the wheel extremely reactive.



MOMAG™: allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.



DYNAMIC BALANCE™: every point of the rim is counter-balanced by an equal weight on the opposite side. Maximum stability of the wheel even at high speeds.

DIFFERENTIATED RIM HEIGHT:
26mm at the front to provide optimal handling;
30mm at the rear for transmitting all your power to the wheel.

SPOKES



SPOKES ANTI-ROTATION SYSTEM: keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE MEGA-G3™ SPOKE PATTERN: perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

AERO SPOKES IN ALUMINIUM: maximum aerodynamic penetration – lower weight and greater reactivity.

ALUMINIUM NIPPLES: reduces the peripheral mass of the wheel – increases reactivity.

EURUS™

Clincher

HUB







OVERSIZED FLANGE: increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.

ALUMINIUM HUB BODY: provides a high degree of lateral stiffness.

ALUMINIUM AXLE: reduces the weight of the wheel.

QUICK RELEASE



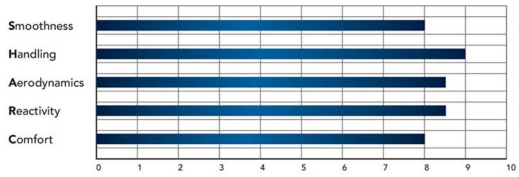
STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

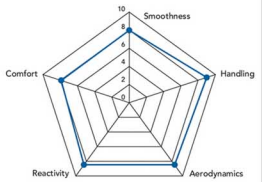


1482 g



S.H.A.R.C.







Bright Label

SHAMAL™ ULTRA™

Clincher / Tubular

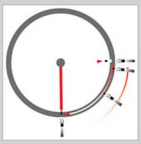
Always staying ahead of the pack.
As in the 2-Way Fit™ version, the Shamal™ Ultra™ 2012 wheels for tubular or clincher, roll to the starting line with the best performance ever. Mega-G3™ and the oversized flange make this wheel extremely quick off the line and reactive, featuring a full 17% increase in reactivity over the previous version!
This incredible improvement in performance, along with the extreme smoothness of the ceramic ball bearings, will enable you to transfer all the power of your pedal stroke when accelerating on level ground as well as in explosive sprints or a climb.
The Shamal™ Ultra™ 2012 clincher is available in the Dark and Bright Label versions.

WHEEL TECH

RIM



TOROIDAL MILLING:
reduces the peripheral weight of the rim – makes the wheel extremely reactive.



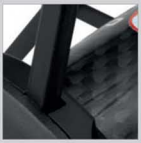
MOMAG™:
allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.



DYNAMIC BALANCE™:
every point of the rim is counter-balanced by an equal weight on the opposite side. Maximum stability of the wheel even at high speeds.

DIFFERENTIATED RIM HEIGHT:
26mm at the front to provide optimal handling;
30mm at the rear for transmitting all your power to the wheel.

SPOKES



SPOKES ANTI-ROTATION SYSTEM:
keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE MEGA-G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

AERO SPOKES IN ALUMINIUM:
maximum aerodynamic penetration – lower weight and greater reactivity.

ALUMINIUM NIPPLES:
reduces the peripheral mass of the wheel - increases reactivity.

SHAMAL ULTRA

Clincher / Tubular

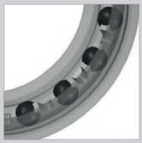
HUB





CARBON FIBRE HUB BODY:
high degree of lateral stiffness – reduces the weight to the minimum.

OVERSIZED FLANGE:
increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.



USB™ CERAMIC ULTRA SMOOTH BEARINGS

USB™ CERAMIC BALL BEARINGS:
reduces friction, provides greater smoothness, and maintains performance over time.

ALUMINIUM AXLE: reduces the weight of the wheel.

QUICK RELEASE



STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.

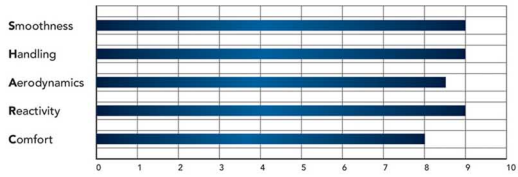


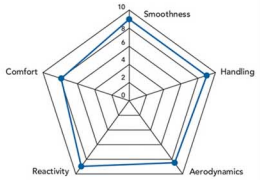
Bright Label **1425 g**



Dark Label

S.H.A.R.C.







ZONDA™

2-Way Fit™

2-Way Fit™ technology for everyday use.
Zonda™ 2-Way Fit™ is the training wheel preferred by the pros. Ideal for the most demanding racers as well as passionate cyclists who want the comfort, safety, and smoothness that tubeless tires can provide.
Zonda™ in the 2-Way Fit™ configuration is immediately recognisable by the aggressive graphics. What is really jaw dropping is its weight, a mere 1580 g! Along with its amazing responsiveness when you change pace or sprint!

WHEEL TECH

RIM



ULTRA-FIT™:
easy tire mounting – maximum safety – less friction – less energy dispersion – improved performance.

2-WAY FIT
TUBELESS & CLINCHER PROFILE

2-WAY FIT™ PROFILE:
allows you to use either the classic clincher or the innovative tubeless tire.



MOMAG™:
allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.



DYNAMIC BALANCE™:
every point of the rim is counter-balanced by an equal weight on the opposite side. Maximum stability of the wheel even at high speeds.

DIFFERENTIATED RIM HEIGHT:
26mm at the front to provide optimal handling;
30mm at the rear for transmitting all your power to the wheel.

MILLED RIM: reduces the peripheral weight of the rim and makes the wheel extremely reactive.

SPOKES



SPOKES ANTI-ROTATION SYSTEM:
keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

AERO SPOKES IN ALUMINIUM:
maximum aerodynamic penetration – lower weight and greater reactivity.

ZONDA

2-WAY FIT
TUBELESS & CLINCHER PROFILE

HUB





ALUMINIUM HUB BODY:
provides a high degree of lateral stiffness.

ALUMINIUM AXLE: reduces the weight of the wheel.



1580 g

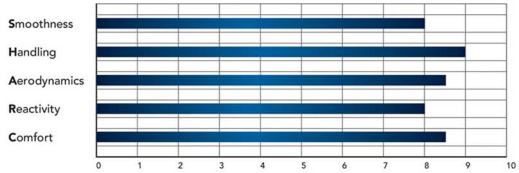


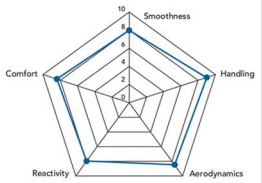
QUICK RELEASE



STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

S.H.A.R.C.







EURUS™

2-Way Fit™

Of the Eurus™ 2011, only the name remains the same.
The new Mega-G3™ system and the oversized rear flange make the Eurus™ 2-Way Fit™ 2012 wheels incredibly reactive, with truly unexpected performance.
Perfect for all types of courses, the Eurus™ 2 Way-Fit™ 2012 wheels are ready to confront the fastest races as well as the steepest mountain climbs.
Stand up on the pedals and "release" all your power. The finish line and victory are ever closer!

WHEEL TECH

RIM



ULTRA-FIT™:
easy tire mounting – maximum safety – less friction – less energy dispersion – improved performance.

2-WAY FIT

2-WAY FIT™ PROFILE:
allows you to use either the classic clincher or the innovative tubeless tire.



MOMAG™:
allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.



DYNAMIC BALANCE™:
every point of the rim is counter-balanced by an equal weight on the opposite side. Maximum stability of the wheel even at high speeds.

TOROIDAL MILLING: reduces the peripheral weight of the rim – makes the wheel extremely reactive.

DIFFERENTIATED RIM HEIGHT: 26mm at the front to provide optimal handling;
30mm at the rear for transmitting all your power to the wheel.

SPOKES



SPOKES ANTI-ROTATION SYSTEM:
keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE MEGA-G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

AERO SPOKES IN ALUMINIUM:
maximum aerodynamic penetration - lower weight and greater reactivity.

ALUMINIUM NIPPLES: reduces the peripheral mass of the wheel – increases reactivity.

EURUS™

E-WAY FIT

HUB







OVERSIZED FLANGE: increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.

ALUMINIUM HUB BODY: provides a high degree of lateral stiffness.

ALUMINIUM AXLE: reduces the weight of the wheel.

QUICK RELEASE



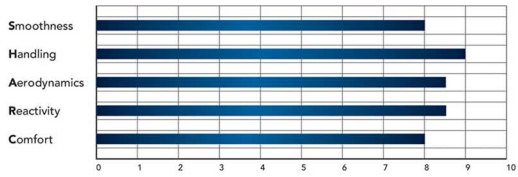
STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

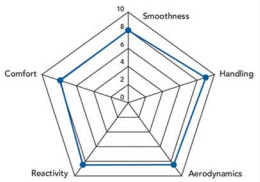


1500 g



S.H.A.R.C.







Bright Label

SHAMAL™ ULTRA™

2-Way Fit™

17% more reactive than the 2011 version.
Shamal™ Ultra™ 2-Way Fit™, the top of the line aluminium wheel, has outdone itself again. Now featuring record-setting performance features for enthusiasts as well as for the most demanding professional racers.
Thanks to the innovative design of the rear flange and the new Mega-G3™ system, all the power of the pedal stroke is transferred to the rear wheel, insuring maximum use of power and truly unexpected sensations!
And now, in addition to extreme smoothness and light weight, Shamal™ Ultra™ wheels have yet another winning attribute being the extremely high reactivity that places them in the top spot of wheels with aluminium profile on the market.
The Shamal™ Ultra™ 2-Way Fit™ 2012 wheelset is available in the Dark and Bright Label versions.

WHEEL TECH

RIM



ULTRA-FIT™:
easy tire mounting – maximum safety - less friction – less energy dispersion – improved performance.

2-WAY FIT

2-WAY FIT™ PROFILE:
allows you to use either the classic clincher or the innovative tubeless tire.



MOMAG™:
allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.

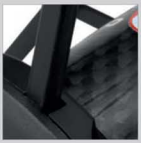


DYNAMIC BALANCE™:
every point of the rim is counter-balanced by an equal weight on the opposite side. Maximum stability of the wheel even at high speeds.

TOROIDAL MILLING: reduces the peripheral weight of the rim - makes the wheel extremely reactive.

DIFFERENTIATED RIM HEIGHT:
26mm at the front to provide optimal handling; 30mm at the rear for transmitting all your power to the wheel.

SPOKES



SPOKES ANTI-ROTATION SYSTEM:
keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE MEGA-G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

AERO SPOKES IN ALUMINIUM:
maximum aerodynamic penetration - lower weight and greater reactivity.

ALUMINIUM NIPPLES: reduces the peripheral mass of the wheel - increases reactivity.

SHAMAL ULTRA

2-WAY FIT

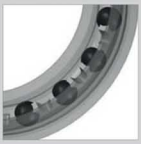
HUB





CARBON FIBRE HUB BODY: high degree of lateral stiffness – reduces the weight to the minimum.

OVERSIZED FLANGE: increases the torsional stiffness, increasing reactivity at each change of pace of the cyclist.



USB CERAMIC ULTRA SMOOTH BEARINGS

USB™ CERAMIC BALL BEARINGS: reduces friction, provides greater smoothness, and maintains performance over time.

ALUMINIUM AXLE: reduces the weight of the wheel.

QUICK RELEASE



STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.

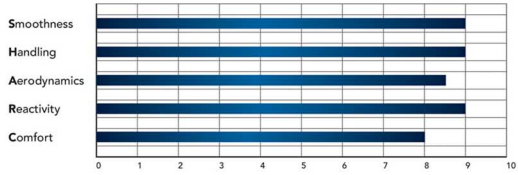


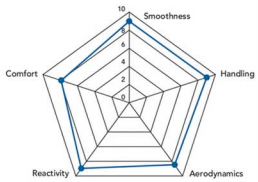
Bright Label **1440 g**

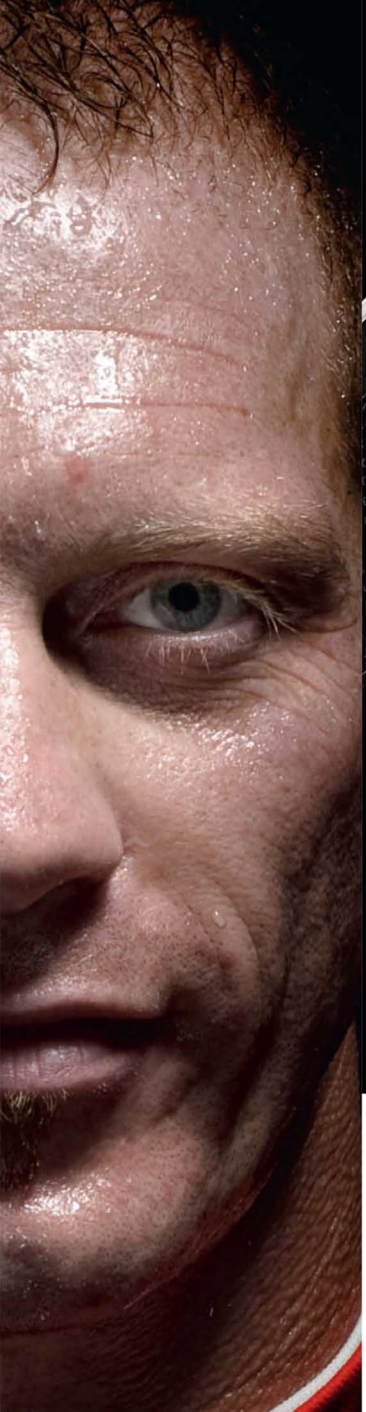


Dark Label

S.H.A.R.C.









Roberto.
He has aluminium
and carbon wheels.
And an iron will.



ALUMINIUM/CARBON HIGH-PROFILE WHEELS

Think about wheels that have improved aerodynamic performance, exceptional responsiveness and lightness, and then combine them with aggressive, confident aesthetics, coupled with the benefits of the aluminium breaking track: the Bullet™ range is what you are looking for.
An extensive range where each rider can find the right wheel for their purpose: 50 or 80mm and the extreme depth measuring 105mm. And more: you can also choose the type of profile - clincher or the exclusive 2-Way Fit™ system – and your choice of bearing system.
Whether you are a triathlete, a time trialist or enthusiast of any level, Bullet™ and Bullet Ultra™ are the wheels that Campagnolo® enthusiasts were waiting for and which are now reality.



BULLET™

Clincher

Campagnolo enthusiasts have been waiting for this wheel for a long time. Their wait has been rewarded with a product that definitely exceeds all expectations.
Indeed Bullet™ is not only an attractive design: Behind their confident and aggressive design and graphics, there is also "top-class" performance. A carbon wheel with all the benefits of the aluminium braking track: responsive and agile when needed, it can also be comfortable and "docile" on every kind of track.

WHEEL TECH

RIM



INTEGRATED ALUMINIUM/CARBON RIM STRUCTURE:
the exclusive coupling system of the aluminium rim and carbon structure makes the rim extremely rigid, it allows for excellent responsiveness levels and durability of the wheel.



DYNAMIC BALANCING ON THE RIM:
thanks to a special operation of the production process, the carbon fiber layup is positioned in such a way as to obtain perfect balancing of the rim even at high speeds.

MOMAG™: allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.

ALUMINIUM PROFILE FOR CLINCHERS:
it allows the use of the traditional clincher.

EXCLUSIVE PRESSING SYSTEM FOR THE RIM IN UNPAINTED CARBON:
enables an extremely limited weight and a smooth surface free from imperfections.

HUB





ALUMINIUM HUB BODY:
gives the wheel a high degree of lateral stiffness and reduces weight to the minimum.

OVERSIZED FLANGE ON THE DRIVE SIDE:
increases the torsional stiffness, increasing reactivity at each change in rhythm of the pedal stroke.

2 DIFFERENT BALL/BEARINGS OPTIONS:
it allows to configure the wheel according to your needs:
1. top quality standard bearings
2. USB™ ceramic balls

BULLET™

Clincher

SPOKES



SPOKES ANTI-ROTATION SYSTEM: keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE G3™ SPOKE PATTERN: perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

DRSC™ (DIRECTIONAL RIM-SPOKE COUPLING): exclusive rim/spoke coupling system. It allows the rim, spokes, nipples and hub to align properly with the same tensioning value in all areas.

AERODYNAMIC PROFILE IN STEEL: ensuring the maximum aerodynamic penetration and, thanks to the material employed, lower weight and greater reactivity.

SELF-LOCKING NIPPLES: it allows to maintain the right tension of the spokes and does not require any maintenance.

QUICK RELEASE



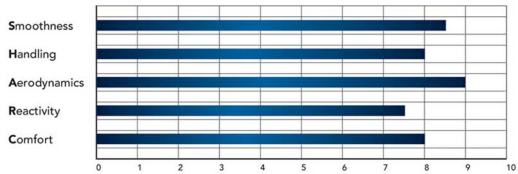
NEW, COMPLETELY REDESIGNED AND LIGHTER WHEEL BLOCK STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE. Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

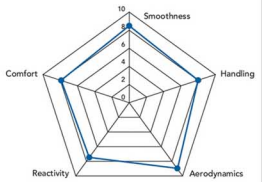


1755 g



S.H.A.R.C.







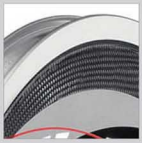
BULLET™ 80 mm

Clincher

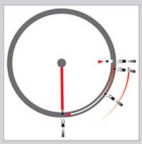
Pure speed. The 80 mm rim cuts through the air like a knife and the km/h increase at every pedal stroke.
The special structure of the aluminium and carbon rim gives Bullet™ an extreme rigidity that instantly turns into power and responsiveness.
With an impressive and distinctive design, thanks to Bullet™ your bike will have a new look, turning into a true machine against time.

WHEEL TECH

RIM



INTEGRATED ALUMINIUM/CARBON RIM STRUCTURE:
the exclusive coupling system of the aluminium rim and carbon structure makes the rim extremely rigid, it allows for excellent responsiveness levels and durability of the wheel.



MOMAG™:
allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.

ALUMINIUM PROFILE FOR CLINCHERS: it allows the use of the traditional clincher.

EXCLUSIVE PRESSING SYSTEM FOR THE RIM IN UNPAINTED CARBON:
enables an extremely limited weight and a smooth surface free from imperfections.

DYNAMIC BALANCING ON THE RIM:
thanks to a special operation of the production process, the carbon fiber layup is positioned in such a way as to obtain perfect balancing of the rim even at high speeds.

HUB





ALUMINIUM HUB BODY: gives the wheel a high degree of lateral stiffness and reduces weight to the minimum.

OVERSIZED FLANGE ON THE DRIVE SIDE: increases the torsional stiffness, increasing reactivity at each change in rhythm of the pedal stroke.

2 DIFFERENT BALL/BEARINGS OPTIONS:
it allows to configure the wheel according to your needs:
1. top quality standard bearings
2. USB™ ceramic balls

BULLET 80mm

Clincher

SPOKES



SPOKES ANTI-ROTATION SYSTEM:
keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

DRSC™ (DIRECTIONAL RIM-SPOKE COUPLING):
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AERODYNAMIC PROFILE IN STEEL: ensuring the maximum aerodynamic penetration and, thanks to the material employed, lower weight and greater reactivity.

SELF-LOCKING NIPPLES:
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QUICK RELEASE



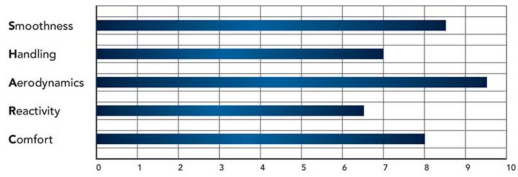
NEW, COMPLETELY REDESIGNED AND LIGHTER WHEEL BLOCK STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

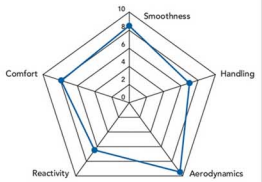


1930 g



S.H.A.R.C.







BULLET™ ULTRA™

2-Way Fit™ / Clincher

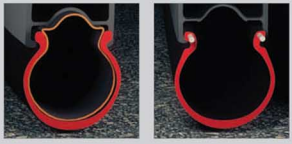
Ready to win, always.
The Bullet™ Ultra™ are the brand new wheels by Campagnolo® that everyone was waiting for: an attractive design and the performance of a real leader.
The special structure of the rim, combined with the oversize hub and the G3™ spoking solution with the DRSC™ (Directional Rim-Spoke Coupling) system, give the wheel and explosive responsiveness combined with great manoeuvrability and steering precision. In turn, the CULT™, the USB™ and the top-quality balls/bearings allow force movements and durability over time beyond that of any other competitor.
The Bullet™ Ultra™ wheels are available in the "Dark" and "Bright" versions.

BULLET ULTRA

2-Way Fit™ / Clincher

WHEEL TECH

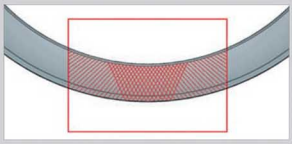
RIM



RIM PROFILE OPTION:
it allows to choose the profile that best suits your needs:
1. Clincher: it allows to use the traditional clincher.
2. 2-Way Fit™ profile: allows you to choose between using the classic clincher or the innovative tubeless tyre. Ultra-Fit™ rim profile.



INTEGRATED ALUMINIUM/CARBON RIM STRUCTURE:
the exclusive coupling system of the aluminium rim and carbon structure makes the rim extremely rigid, it allows for excellent responsiveness levels and durability of the wheel.



DYNAMIC BALANCING ON THE RIM:
thanks to a special operation of the production process, the carbon fiber layup is positioned in such a way as to obtain perfect balancing of the rim even at high speeds.



MOMAG™:
allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.

EXCLUSIVE PRESSING SYSTEM FOR THE RIM IN UNPAINTED CARBON:
enables an extremely limited weight and a smooth surface free from imperfections.





Bright Label



WHEEL TECH

SPOKES



SPOKES ANTI-ROTATION SYSTEM:
keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.



DRSC™ (DIRECTIONAL RIM-SPOKE COUPLING):
exclusive rim/spoke coupling system. It allows the rim, spokes, nipples and hub to align properly with the same tensioning value in all areas.

AERODYNAMIC PROFILE IN STEEL:
ensuring the maximum aerodynamic penetration and, thanks to the material employed, lower weight and greater reactivity.

SELF-LOCKING OVERSIZE ALUMINIUM NIPPLES:
they reduce the peripheral mass of the wheel to a minimum, thus increasing responsiveness. The nipples' self-locking system provides the correct tension of the spokes and does not require any maintenance.

QUICK RELEASE



NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK. STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

BULLET ULTRA

2-Way Fit™ / Clincher

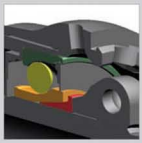
HUB



USB™ CERAMIC ULTRA SMOOTH BEARINGS

CULT™

3 DIFFERENT BALL/BEARINGS OPTIONS:
configure the wheel according to your needs:
1. top quality standard bearings
2. USB™ ceramic balls
3. balls/bearings with CULT™ system.



CUP AND CONE BEARINGS: easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.





ALUMINIUM HUB BODY:
gives the wheel a high degree of lateral stiffness and reduces weight to the minimum.

OVERSIZED FLANGE ON THE DRIVE SIDE:
increases the torsional stiffness, increasing reactivity at each change in rhythm of the pedal stroke.

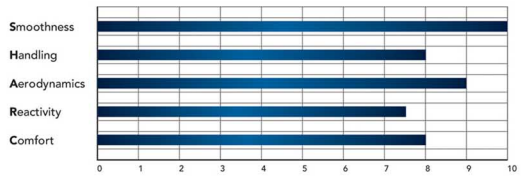
ALUMINIUM AXLE:
reduces the overall weight of the wheel.

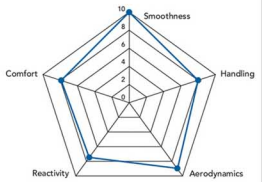


Dark Label **1590 g**



S.H.A.R.C.







BULLET™ ULTRA™ 80 mm

2-Way Fit™ / Clincher

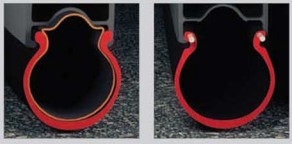
Grab the handlebars, lower your head and push on the pedals: the impressive and equally reactive and smooth 80mm will push you faster to victory.
The profile has been optimised in our wind tunnel to obtain the maximum aerodynamic coefficient combined with excellent manoeuvrability even with cross winds: the Ultra™ 80 will impress you with their racing talent in every situation.
And now, for the Bullet™ Ultra™, Campagnolo® gives you the chance of configuring the type of profile, the balls/bearings system and the colour of the graphics according to your preferences. Come and discover them.

BULLET ULTRA 80

2-Way Fit™ / Clincher

WHEEL TECH

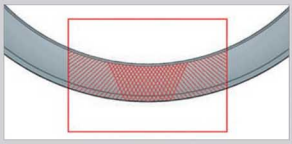
RIM



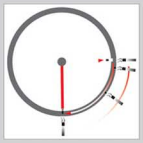
RIM PROFILE OPTION:
it allows to choose the profile that best suits your needs:
1. Clincher: it allows the use of the traditional clincher.
2. 2-Way Fit™ profile: allows you to choose between using the classic clincher or the innovative tubeless tyre. Ultra-Fit™ rim profile.



INTEGRATED ALUMINIUM/CARBON RIM STRUCTURE:
the exclusive coupling system of the aluminium rim and carbon structure makes the rim extremely rigid, it allows for excellent responsiveness levels and durability of the wheel.



DYNAMIC BALANCING ON THE RIM:
thanks to a special operation of the production process, the carbon fiber layup is positioned in such a way as to obtain perfect balancing of the rim even at high speeds.



MOMAG™:
allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.

EXCLUSIVE PRESSING SYSTEM FOR THE RIM IN UNPAINTED CARBON:
enables an extremely limited weight and a smooth surface free from imperfections.





Bright Label



WHEEL TECH

SPOKES



SPOKSE ANTI-ROTATION SYSTEM:
keeps the spokes in the position of maximum aerodynamic penetration.



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.



DRSC™ (DIRECTIONAL RIM-SPOKE COUPLING):
exclusive rim/spoke coupling system. It allows the rim, spokes, nipples and hub to align properly with the same tensioning value in all areas.

AERODYNAMIC PROFILE IN STEEL:
ensuring the maximum aerodynamic penetration and, thanks to the material employed, lower weight and greater reactivity.

SELF-LOCKING OVERSIZE ALUMINIUM NIPPLES:
they reduce the peripheral mass of the wheel to a minimum, thus increasing responsiveness. The nipples' self-locking system provides the correct tension of the spokes and does not require any maintenance.

QUICK RELEASE



NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK. STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

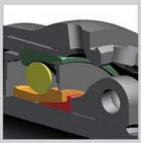
HUB



USB CERAMIC ULTRA SMOOTH BEARINGS

CULT

3 DIFFERENT BALL/BEARINGS OPTIONS:
configure the wheel according to your needs:
1. top quality standard bearings
2. USB™ ceramic balls
3. balls/bearings with CULT™ system.



CUP AND CONE BEARINGS: easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.





ALUMINIUM HUB BODY:
gives the wheel a high degree of lateral stiffness and reduces weight to the minimum.

OVERSIZED FLANGE ON THE DRIVE SIDE:
increases the torsional stiffness, increasing reactivity at each change in rhythm of the pedal stroke.

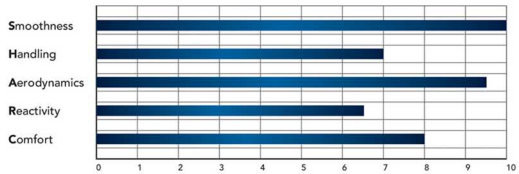
ALUMINIUM AXLE:
reduces the overall weight of the wheel.

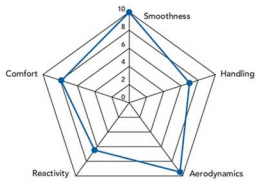


Dark Label **1770 g**



S.H.A.R.C.







BULLET™ ULTRA™ 105 mm

2-Way Fit™ / Clincher

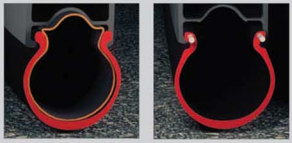
Only for those seeking extreme results.
The Bullet™ Ultra™ with a 105mm profile accepts no compromise: it requires determination, strength, focus, but the extreme performances that the new aluminium/carbon solution can offer you, can be fully appreciated only by using them.
Use them combined with the rear lens profile or even fitted on your bicycles with the 105mm at the back with a fantastic 50 or 80mm at the front. Regardless of your choice, the new high-profile Bullet™ Ultra™ by Campagnolo® will stop the time before your rivals.

BULLET ULTRA 105

2-Way Fit™ / Clincher

WHEEL TECH

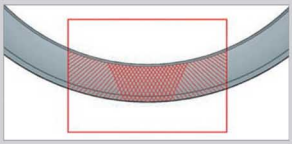
RIM



RIM PROFILE OPTION:
it allows to choose the profile that best suits your needs:
1. Clincher: it allows the use of the traditional clincher.
2. 2-Way Fit™ profile: allows you to choose between using the classic clincher or the innovative tubeless tyre. Ultra-Fit™ rim profile.



INTEGRATED ALUMINIUM/CARBON RIM STRUCTURE: the exclusive coupling system of the aluminium rim and carbon structure makes the rim extremely rigid, it allows for excellent responsiveness levels and durability of the the wheel.



DYNAMIC BALANCING ON THE RIM: thanks to a special operation of the production process, the carbon fiber layup is positioned in such a way as to obtain perfect balancing of the rim even at high speeds.



MOMAG™:
allows the external profile of the rim to be free of holes – increases structural resistance – makes rim tape unnecessary and reduces the weight of the wheel.

EXCLUSIVE PRESSING SYSTEM FOR THE RIM IN UNPAINTED CARBON: enables an extremely limited weight and a smooth surface free from imperfections.





Bright Label



WHEEL TECH

SPOKES



SPOKES ANTI-ROTATION SYSTEM:
keeps the spokes in the position of maximum aerodynamic penetration.



AERODYNAMIC PROFILE IN STEEL:
ensuring the maximum aerodynamic penetration and, thanks to the material employed, lower weight and greater reactivity.



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

DRSC™ (DIRECTIONAL RIM-SPOKE COUPLING):
exclusive rim/spoke coupling system. It allows the rim, spokes, nipples and hub to align properly with the same tensioning value in all areas.

SELF-LOCKING OVERSIZE ALUMINIUM NIPPLES:
they reduce the peripheral mass of the wheel to a minimum, thus increasing responsiveness. The nipples' self-locking system provides the correct tension of the spokes and does not require any maintenance.

QUICK RELEASE



NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK. STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

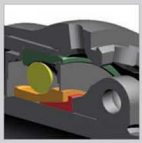
HUB



USB CERAMIC ULTRA SMOOTH BEARINGS

CULT

3 DIFFERENT BALL/BEARINGS OPTIONS:
configure the wheel according to your needs:
1. top quality standard bearings
2. USB™ ceramic balls
3. balls/bearings with CULT™ system.



CUP AND CONE BEARINGS: easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.





ALUMINIUM HUB BODY:
gives the wheel a high degree of lateral stiffness and reduces weight to the minimum.

OVERSIZED FLANGE ON THE DRIVE SIDE:
increases the torsional stiffness, increasing reactivity at each change in rhythm of the pedal stroke.

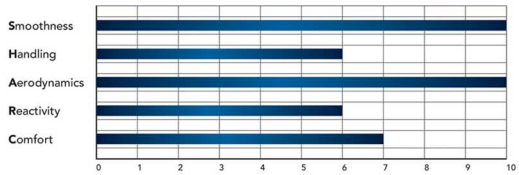
ALUMINIUM AXLE:
it reduces the weight of the wheel.

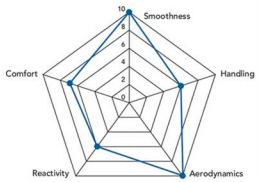


Dark Label **1960 g**



S.H.A.R.C.







Rochelle.
During sprints she cuts through the wind like a blade, leaving every last watt on the ground.

Rochelle Gilmore - Commonwealth Champion



CARBON 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™ ONE

Tubular

The legendary Bora is not just for the pros.
That's why the Campy Tech Lab™ engineers designed the Bora™ One. The tubular set with full carbon rim that will make you feel like a true champion.
Maximum aerodynamics, extreme speed, incredible handling.
The Bora™ One is sure to give you the utmost satisfaction in any situation. Even on the most challenging mountain curves.
The Bora™ One wheelset is now available also in the new Dark Label version.

WHEEL TECH

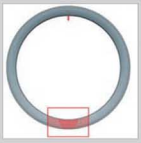
RIM



FULL CARBON HIGH PROFILE FOR 50mm TUBULAR: provides the maximum aerodynamic penetration. Extremely limited weight. The highest degree of lateral stiffness and reactivity of the wheel.



EXCLUSIVE RIM PRINTING SYSTEM: rim painting no longer required. The weight is greatly reduced and the surface is free from imperfections.



RDB™ RIM DYNAMIC BALANCE: exclusive system that assures perfect balancing of the rim even at high speeds. Moulded into the rim itself.



NEW BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS: the new blend increases the brake performance on both dry and wet surfaces without increasing the wear and tear on the pad. For a more modular and more secure stop.

SPOKES



EXCLUSIVE G3™ SPOKE PATTERN: perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

SPOKES WITH AERODYNAMIC PROFILE: provides the maximum aerodynamic penetration. Reduces aerodynamic drag saving rider energy.

SPOKES ANTI-ROTATION SYSTEM: allows the spokes to maintain the best aerodynamic position.

BORA ONE

Tubular

HUB





ALUMINIUM HUB: provides a high degree of lateral stiffness while keeping the weight low.

OVERSIZED FLANGE: greater torsional stiffness and greater reactivity.

CUP AND CONE BEARINGS: easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.

ALUMINIUM AXLE: reduces the weight of the wheel.

QUICK RELEASE



NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK. STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

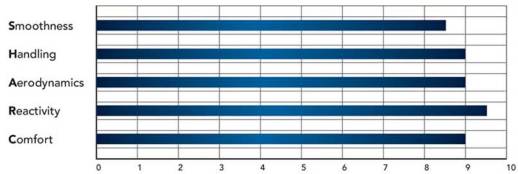


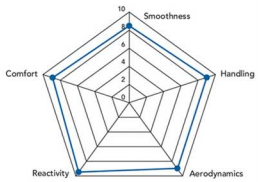
Bright Label **1350 g**



Dark Label

S.H.A.R.C.







BORA™ ULTRA™ TWO

Tubular

For a race against time, with the wind at your back.
Bora™ Ultra™ Two is the choice of the pros, the ideal competition wheel. The maximum aerodynamic performance, extreme lightness, and the surprising reactivity combined with incredible smoothness. Bora™ Ultra™ Two provides characteristics that every cyclist wants.
The secret of this legendary wheel lies in the details that make it truly unique and unrivalled. And the innumerable victories are its best testimony.
The Bora™ Ultra™ Two wheelset is now available also in the new Dark Label version.

WHEEL TECH

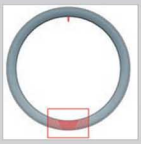
RIM



FULL CARBON HIGH PROFILE FOR 50mm TUBULAR: provides the maximum aerodynamic penetration. Extremely limited weight. The highest degree of lateral stiffness and reactivity of the wheel.



EXCLUSIVE RIM PRINTING SYSTEM: rim painting no longer required. The weight is greatly reduced and the surface is free from imperfections.



RDB™ RIM DYNAMIC BALANCE: exclusive system that assures perfect balancing of the rim even at high speeds. Moulded into the rim itself.



NEW BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS: the new blend increases the brake performance on both dry and wet surfaces without increasing the wear and tear on the pad. For a more modular and more secure stop.

SPOKES



EXCLUSIVE G3™ SPOKE PATTERN: perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

SPOKES WITH AERODYNAMIC PROFILE: provides the maximum aerodynamic penetration. Reduces aerodynamic drag saving rider energy.

HUB



CULT™: the combination of the highest quality ceramic balls with races in special Cronitect™ steel. Nine times smoother than the standard system. Eliminates oxidation and maintains performance over time.





CARBON FIBRE HUB: provides a high degree of lateral stiffness and reduces weight to the minimum.

OVERSIZED FLANGE: greater torsional stiffness and greater reactivity.

CUP AND CONE BEARINGS: easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.

ALUMINIUM AXLE: reduces the weight of the wheel.

QUICK RELEASE



NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK.

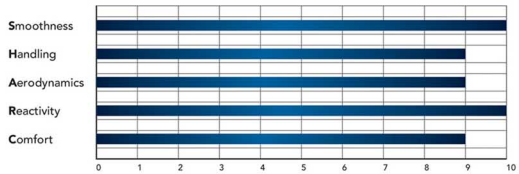


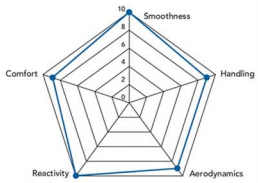
Bright Label **1310 g**



Dark Label

S.H.A.R.C.







BORA™ ULTRA™ 80

Tubular

Bora™ is every cyclist's dream.
And now, Campagnolo® presents a new version with an 80mm rim.
This project stems from the famous and winning 50mm Bora™ Ultra™ Two: extremely light due to the full unpainted carbon rim, extremely responsive and 9 times smoother than standard systems thanks to the CULT™ system.
Fears no comparison. Not a slightest detail has been missed to make Bora™ Ultra™ 80 specially for time trial and sprint races: designed for professionals, it will win over many enthusiasts among amateurs and competitors of all levels.

WHEEL TECH

RIM



FULL CARBON HIGH PROFILE FOR 80mm TUBULAR:
extremely limited weight. Gives the wheel an extremely high level of lateral stiffness and greater reactivity. enables the maximum aerodynamic penetration, reducing friction. The design of the profile details makes the wheel extremely manageable even in a crosswind.



EXCLUSIVE PRESSING SYSTEM FOR THE RIM IN UNPAINTED CARBON:
enables an extremely limited weight and a smooth surface free from imperfections.



NEW BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS:
the new blend increases the brake performance on both dry and wet surfaces without increasing the wear and tear on the pad. For a more modular and more secure stop.

DYNAMIC BALANCING ON THE RIM:
thanks to a special operation of the production process, the carbon fiber layup is positioned in such a way as to obtain perfect balancing of the rim even at high speeds.





Bright Label



WHEEL TECH

SPOKES



EXCLUSIVE G3™ SPOKE PATTERN:
perfect balance of the spoke tensions on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. G3™ eliminates vibrations even with "heavy" cyclists.

AERODYNAMIC PROFILE IN STEEL:
ensuring the maximum aerodynamic penetration and, thanks to the material employed, lower weight and greater reactivity.

SELF-LOCKING ALUMINIUM NIPPLES:
it allows to maintain the right tension of the spokes and does not require any maintenance.

HUB

CULT CERAMIC ULTIMATE LEVEL TECHNOLOGY
MAXIMUM SMOOTHNESS FOR MAXIMUM PERFORMANCE



BALL BEARINGS WITH CULT™ TECHNOLOGY:
the combination between the highest quality ceramic balls and bearings in special Cronitec™ steel. CULT™ makes the wheel nine times smoother than the standard system of steel ball bearings. Balls and bearings are lubricated with only a thin film of oil rather than grease. CULT™ makes it possible to eliminate rust and maintain the performance features over time.



CUP AND CONE BEARINGS:
easy ball/bearing adjustment – reduces possible ball/bearing play – precision operation – maintains performance over time.

BORA ULTRA 80

Tubular





CARBON FIBRE HUB: provides a high degree of lateral stiffness and reduces weight to the minimum.



OVERSIZED FLANGE: greater torsional stiffness and greater reactivity.

ALUMINIUM AXLE: reduces the weight of the wheel.

QUICK RELEASE



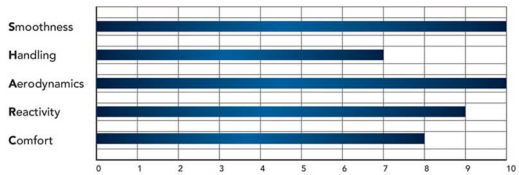
NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK. STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.

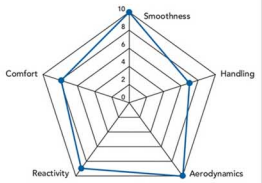


Dark Label **1540 g**



S.H.A.R.C.







Pista **995 g**



1010 g

GHIBLI™ ULTRA™

Tubular

The unquestioned symbol in the search for maximum speed. Ghibli™ Ultra™ is a lenticular wheel in Poly-aramide with aluminium rim for tubular tires dedicated to the Triathlon and Time Trial events.
Entirely developed by the Campy Tech Lab™, the "tensile structure" design has been optimised to make the Ghibli™ wheels extremely rigid and with the maximum aerodynamic penetration.

WHEEL TECH

RIM



DISK IN POLYARAMIDE TENSILE STRUCTURE: makes the wheel extremely rigid and maximises aerodynamic penetration.

RIM IN ALUMINIUM FOR TUBULAR TIRES

HUB

CULT CERAMIC ULTIMATE LEVEL TECHNOLOGY
MAXIMUM SMOOTHNESS FOR MAXIMUM PERFORMANCE



CULT™: the combination of the highest quality ceramic balls with races in special Cronitect™ steel. Nine times smoother than the standard system. Eliminates oxidation and maintains performance over time.



9-SPEED GEAR PACK FOR CAMPAGNOLO® 11-SPEED DRIVE TRAINS: it allows the use of the Ghibli™ wheel with 11-speed groupsets. Steel gears with 2 dedicated 11/21 and 11/23 combinations optimised for Campagnolo 11-speed drivetrains.

ALUMINIUM AXLE: reduces the weight of the wheel.

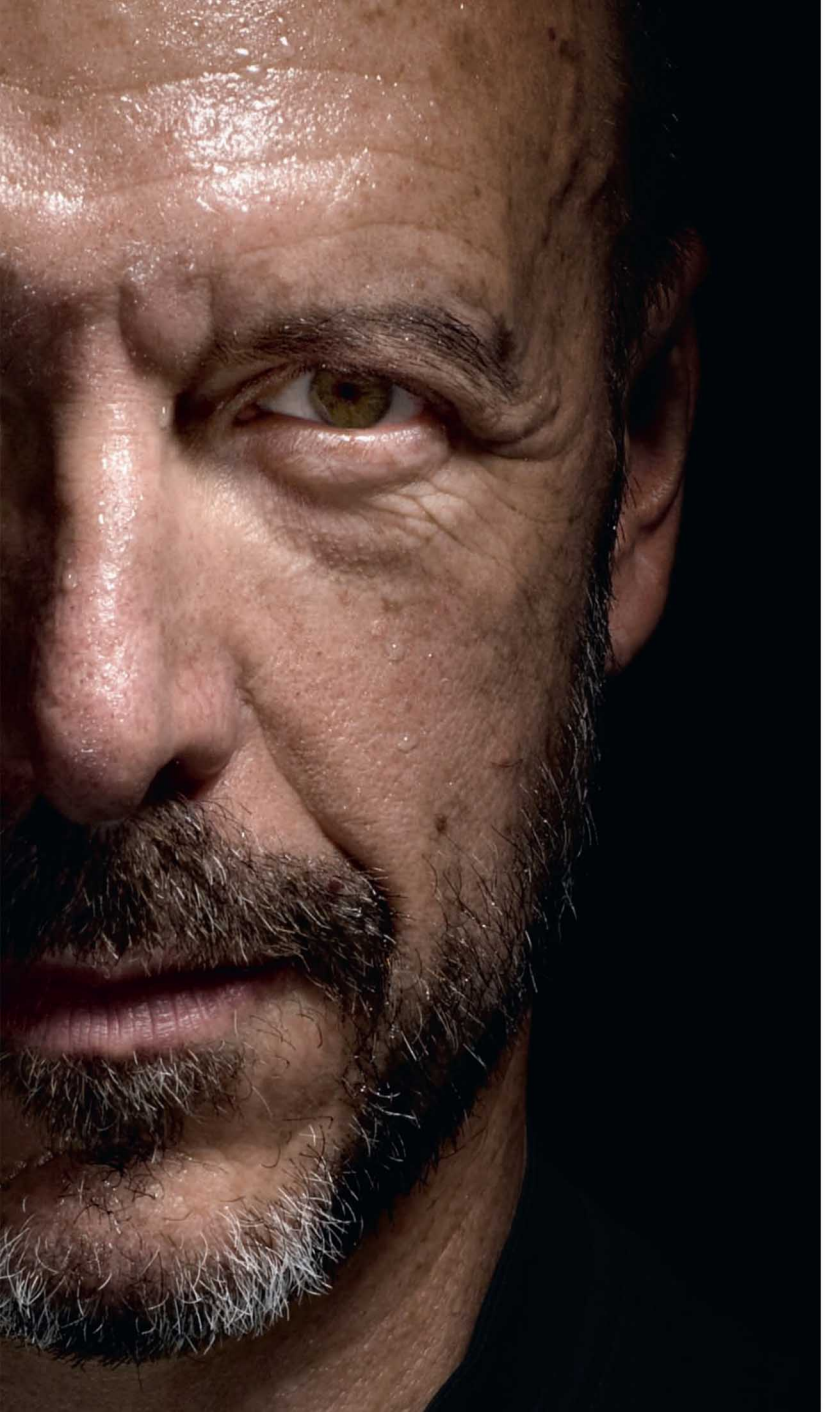
COMPATIBLE WITH CAMPAGNOLO® 10/11 SPEED DRIVETRAIN.

QUICK RELEASE



NEW, COMPLETELY REDESIGNED AND LIGHTER AERODYNAMIC-PROFILE WHEEL BLOCK. STEEL SPINE AND ECCENTRIC, LEVER WITH DRILL LIGHTENING AND ALUMINUM DIE.
Eccentric-closure system allows cyclist to modulate the pressure necessary for heightened sensitivity to find the proper closure for the block. Easy to use, with a material resistant to wear and tear, rust, and pressure.


BBB
QUICK STEP
innergetic
SPECIALIZED



Lorenzo.
He wants to study and know about everything. Even the technical features of a crankset, a sprocket set, a wheel.

TECHNICAL SPECIFICATIONS

GROUPSETS

180 | VELOCE™
182 | CENTAUR™
184 | ATHENA™
186 | CHORUS™
188 | RECORD™
191 | SUPER RECORD™
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WHEELS

196 | CX
198 | LOW PROFILE
200 | MEDIUM-PROFILE
202 | HIGH-PROFILE

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** which is regularly updated.

VELOCE™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**VELOCE™ 10s rear derailleur**	short cage deep black bright silver	upper to lower pulley-axle: 55 mm - aluminium bodies - rollers on bushings - rollers in special rubber - parallelogram with 11s geometry	227
		medium cage deep black bright silver	upper to lower pulley-axle: 72,5 mm - aluminium bodies - rollers on bushings - rollers in special rubber - parallelogram with 11s geometry	260
	**VELOCE™ QS™ STD + CT™ 9s/10s front derailleur**	braze-on clip-on: 32, 35 mm deep black bright silver	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - antifriction insert - chrome-plated nickel fork - surface treatments	98
	**VELOCE™ POWER-SHIFT™ 10s Ergopower™ shifters**	deep black bright silver	for caliper brakes - composite body - aluminium brake lever - Power Shift™ mechanism - 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	368
	**VELOCE™ 10s Ergopower™ FB shifters**		for caliper brakes - double/triple crankset compatible - alu-composite body – aluminium brake lever - requires QS™ 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	369
	**VELOCE™ UD™ 10s sprockets**	11-25, 12-23, 12-25, 13-26, 13-29	steel - Ultra-Drive™ - single sprockets - galvanized - supplied with lockring	258
	VELOCE™ Ultra-Narrow™ 10s chain		width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra-Drive™ - requires HD-Link™ for Ultra Narrow™ chai	2,39/ link **

VELOCE™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**VELOCE™ Power-Torque™ 10s crankset**	170, 172.5, 175 mm 39-52, 39-53 deep black bright silver	forged aluminium cranks - chainrings MPS™ (Micro Precision Shifting) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	758
	**VELOCE™ Power-Torque™ CT™ 10s crankset**	170, 172.5, 175 mm 34-50 deep black bright silver	forged aluminium cranks - chainrings MPS™ (Micro Precision Shifting) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	753
	**Power-Torque™ BB outboard cups**	ITA, ENG	aluminium	72
	**Power-Torque™ OS-Fit™ integrated cups**	BB30 Ø 42, BB30 Ø 46, 86,5x41	aluminium - integrated cups for oversize shells BB30 and 86,5x41	50
	**VELOCE™ brakes**	deep black bright silver	brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - forged arms - lightened rear brake - special pad compound - brake pads orbital adjustment - front and rear dual-pivot brake	325
	RECORD ™ cable guide plate		sottoscatola MC - in composito, adatta a scatole oversize - tecnopolimero caricato in PTFE	5

* Average weight - it refers to the lighter specification among the available options.

** Example: 2,39 x 108 links = 258 g

CENTAUR™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**CENTAUR™ 10s rear derailleur**	black&red deep black	upper to lower pulley-axle: 55 mm - aluminium bodies - rollers on bushings - parallelogram with 11s geometry - lightened special rubber pulleys	220
	**CENTAUR™ STD + CT™ 9s/10s front derailleur**	braze-on / clip-on: Ø 32, 35 mm black&red deep black	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - chrome-plated nickel fork - antifriction insert	92
	**CENTAUR™ POWER-SHIFT™ 10s Ergopower™ shifters**	black&red deep black	for caliper brakes - composite body - brake lever in aluminium - ball bearings - Power-Shift mechanism - 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	373
	**CENTAUR™ POWER-SHIFT™ 10s Alu-Carbon Ergopower™ shifters**	black&red deep black	for caliper brakes - composite body - carbon brake lever with aluminium core - ball bearings - Power-Shift mechanism - 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	375
	**CENTAUR™ UD™ 10s sprockets**	11-23, 11-25 12-25, 13-26, 13-29, 14-23	steel - Ultra·Drive™ - nickel-chromed finish - supplied with lockring - light alloy supports	248
	CENTAUR™ Ultra-Narrow™ 10s chain		width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra·Drive™ - HD-Link™ for Ultra Narrow™ chain - lightened links	2,36/ link **

CENTAUR™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**CENTAUR™ Power-Torque™ 10s crankset**	170, 172.5, 175 mm 39-52, 39-53, 34-50 black&red deep black	forged aluminium cranks - chainrings with MPS™ (Micro Precision Shifting) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	738
	**CENTAUR™ Power-Torque™ Carbon 10s crankset**	165, 170, 172.5, 175 mm 39-52, 39-53, 34-50 black&red deep black	full-carbon unidirectional-multidirectional cranks - chainrings with MPS™ (Micro Precision Shifting) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	644
	**RECORD™ Power-Torque™ BB outboard cups**	ITA, ENG	aluminium	72
	**Power-Torque™ OS-Fit™ integrated cups**	BB30 Ø 42, BB30 Ø 46, 86,5x41	aluminium - integrated cups for oversize shells BB30 and 86,5x41	50
	**CENTAUR™ brakes**	black&red deep black	brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - brake pads orbital adjustment - front and rear dual-pivot brake - forged arms - special pad compound	310
	RECORD ™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5

* Average weight - it refers to the lighter specification among the available options.

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

ATHENA™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**ATHENA™ 11s rear derailleur**	deep black bright silver	upper to lower pulley-axle: 55 mm - aluminium outer plate - parallelogram with 11s geometry - die-cast aluminium upper body - lightened special rubber pulleys	209
	**ATHENA™ STD + CT™ 11s front derailleur**	braze-on / clip-on: Ø 32, 35 mm deep black bright silver	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - chrome-plated nickel fork - antifriction insert	92
	**ATHENA™ POWER-SHIFT™ 11s Ergopower™ shifters**	deep black bright silver	for caliper brakes - composite body - brake lever in aluminium - Power-Shift mechanism - 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	372
	**ATHENA™ POWER-SHIFT™ 11s Alu-Carbon Ergopower™ shifters**	deep black bright silver	for caliper brakes - composite body - carbon brake lever with aluminium core - Power-Shift mechanism - 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	372
	**CHORUS™ 11s sprockets**	11-23, 11-25, 12-25, 12-27, 12-29	steel - nickel-chromed finish - light alloy supports for the final two triplets - 11s timing - 11s tooth machining - 11s light alloy lockring, thread 27x1	230
	CHORUS™ 11s chain		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 **
	**ATHENA™ Power-Torque™ 11s crankset**	170, 172.5, 175 mm 39-52, 39-53 deep black bright silver	forged aluminum cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with silver anodization - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	736

ATHENA™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**ATHENA™ Power-Torque™ 11s crankset**	170, 172.5, 175 mm 34-50 deep black bright silver	forged aluminum cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with silver anodization - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	740
	**ATHENA™ Power-Torque™ Carbon 11s crankset**	165, 170, 172.5, 175 mm 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	644
	**ATHENA™ Power-Torque™ CT™ Carbon 11s crankset**	165, 170, 172.5, 175 mm 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	640
	**Power-Torque™ BB outboard cups**	ITA, ENG	aluminium	72
	**Power-Torque™ OS-Fit™ integrated cups**	BB30 Ø 42, BB30 Ø 46, 86,5x41	aluminium - integrated cups for oversize shells BB30 and 86,5x41	50
	**ATHENA™ Skeleton™ brakes**	deep black bright silver	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 - optional: front and rear dual-pivot brake (331 g)	306
	RECORD ™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5

* Average weight - it refers to the lighter specification among the available options.

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

CHORUS™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**CHORUS™ 11s rear derailleur**		upper to lower pulley-axle: 55 mm - composite outer plate - parallelogram with 11s geometry - black anodized forged aluminium upper body - lightened special rubber pulleys	186
	**CHORUS™ STD + CT™ 11s front derailleur**	braze-on / clip-on: Ø 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - light alloy fork with antifriction treatment	76
	**CHORUS™ ULTRA-SHIFT™ 11s Ergopower™ shifters**		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	337
	**CHORUS™ 11s sprockets**	11-23, 11-25, 12-25, 12-27, 12-29	steel - nickel-chromed finish - light alloy supports for the final two triplets - 11s timing - 11s tooth machining - 11s light alloy lockring, thread 27x1	230
	CHORUS™ 11s chain		width 5,5 mm - Ni-PTFE Finish - 114 links - requires Ultra-Link™ for 11s chain - 11s outer link	2,24/ link **
	**CHORUS™ Ultra-Torque™ Carbon 11s crankset**	170, 172.5, 175 mm 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	667
	**CHORUS™ Ultra-Torque™ CT™ Carbon 11s crankset**	170, 172.5, 175 mm 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts and nuts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	667

CHORUS™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**Ultra-Torque™ Carbon 11s crankset**	165 mm 39-52, 39-53, 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	667
	**RECORD™ Ultra-Torque™ BB outboard cups**	ITA, ENG	aluminium	46
	**Ultra-Torque™ OS-Fit™ integrated cups**	BB30 Ø 42, BB30 Ø 46, 86,5x41, BB right Ø 51	aluminium - integrated cups for oversize shells BB30 and 86,5x41, BB right Ø 51	29
	**CHORUS™ Skeleton™ brakes**		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 - optional: front and rear dual-pivot brake (319 g)	299
	**RECORD™ water-bottle carrier**		monocoque carbon, supplied with water-bottle	18
	RECORD ™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5

* Average weight - it refers to the lighter specification among the available options.

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

RECORD™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**RECORD™ 11s rear derailleur**		upper to lower pulley-axle: 55 mm - composite outer plate - parallelogram with 11s geometry - black anodized forged aluminium upper and lower body - metal-carbon cage - lightened special rubber pulleys - pulley movement with ceramic ball bushings	172
	**RECORD™ STD + CT™ 11s front derailleur**	braze-on / clip-on: Ø 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 55 – min. chainring 34 - composite and aluminum fork - antifriction treatment	74
	**RECORD™ ULTRA-SHIFT™ 11s Ergopower™ shifters**		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	337
	**RECORD™ front hub**		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
	**RECORD™ rear hub**		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
	**RECORD™ 11s sprockets**	11-23, 11-25, 12-25, 12-27, 12-29	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 lockring, thread 27x1	201
	**RECORD™ 11s chain**		width 5,5 mm - Ni-PTFE Finish - 114 links - requires Ultra-Link™ for 11s chain - lightened links - hollow pins - 11s outer link	2,10/ link **
	**RECORD™ Ultra-Torque™ Carbon 11s crankset**	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 - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - 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	627
	**RECORD™ Ultra-Torque™ CT™ Carbon 11s crankset**	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 XPSS™ (eXtreme Performance Shifting System) - 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	627

RECORD™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**Ultra-Torque™ Carbon 11s crankset**	165 mm 39-52, 39-53, 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	667
	**RECORD™ Ultra-Torque™ BB outboard cups**	ITA, ENG	aluminium	46
	**Ultra-Torque™ OS-Fit™ integrated cups**	BB30 Ø 42, BB30 Ø 46, 86,5x41, BB right Ø 51	aluminium - integrated cups for oversize shells BB30 and 86,5x41, BB right Ø 51	29
	**RECORD™ Pro·Fit Plus™ pedals**		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
	**RECORD™ Skeleton™ brakes**		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 - optional: front and rear dual-pivot brake (303 g)	278
	**RECORD™ headset**		BC 1"x24tpi - height 36.5 mm - light alloy with steel inserts - cup and cone system	104
	**RECORD™ Threadless™ headset**		1" - 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
	**RECORD™ Hiddenset™ headset**	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
	**RECORD™ water-bottle carrier**		monocoque carbon, supplied with water-bottle	18
	RECORD ™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5

* Average weight - it refers to the lighter specification among the available options.

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

SUPER RECORD™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**SUPER RECORD™ 11s rear derailleur**		upper to lower pulley-axle: 55 mm - composite outer plate - Titanium hanger and pivot bolt - parallelogram with 11s geometry - carbon fiber upper and lower body - metal-carbon cage - lightened special rubber pulleys - bottom pulley with ceramic bearings	155
	**SUPER RECORD™ STD + CT™ 11s front derailleur**	braze-on / clip-on: Ø 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 55 – min. chainring 34 - composite and aluminum 11s fork - titanium bolts - antifriction treatment	72
	**SUPER RECORD™ ULTRA-SHIFT™ 11s Ergopower™ shifters**		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 - 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	330
	**RECORD™ front hub**		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
	**RECORD™ rear hub**		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
	**SUPER RECORD™ 11s sprockets**	11-23, 11-25, 12-25, 12-27, 12-29	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
	RECORD™ 11s chain		width 5,5 mm - Ni-PTFE Finish - 114 links - requires Ultra-Link™ for 11s chain - lightened links - hollow pins - 11s outer link	2,10/ link **
	**SUPER RECORD™ Ultra-Torque™ Titanium 11s crankset**	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 - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axles in titanium - requires Super Record ULTRA-TORQUE™ BB cups	585

SUPER RECORD™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**SUPER RECORD™ Ultra-Torque™ Carbon 11s crankset**	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 - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axles - requires Super Record ULTRA-TORQUE™ BB cups	625
	**SUPER RECORD™ Ultra-Torque™ CT™ Titanium 11s crankset**	170, 172.5, 175 mm 34-50	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axles in titanium - requires Super Record ULTRA-TORQUE™ BB cups	584
	**SUPER RECORD™ Ultra-Torque™ CT™ Carbon 11s crankset**	170, 172.5, 175 mm 34-50	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axles - requires Super Record ULTRA-TORQUE™ BB cups	625
	**Ultra-Torque™ Carbon 11s crankset**	165 mm 39-52, 39-53, 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	667
	**SUPER RECORD™ Ultra-Torque™ BB outboard cups**	ITA, ENG	aluminium	45
	**Ultra-Torque™ OS-Fit™ integrated cups**	BB30 Ø 42, BB30 Ø 46, 86,5x41, BB right Ø 51	aluminium - integrated cups for oversize shells BB30 and 86,5x41, BB right Ø 51	29
	**RECORD™ Pro-Fit Plus™ pedals**		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

SUPER RECORD™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**SUPER RECORD™ Skeleton™ brakes**		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 - optional: front and rear dual-pivot brake (297 g)	272
	**RECORD™ headset**		BC 1"x24tpi - height 36.5 mm - light alloy with steel inserts - cup and cone systeme	104
	**RECORD™ Threadless™ headset**		1" - 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
	**RECORD™ Hiddenset™ headset**	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
	**RECORD™ water-bottle carrier**		monocoque carbon, supplied with water-bottle	18
	RECORD ™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5

* Average weight - it refers to the lighter specification among the available options.

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

TT/TRIATHLON 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**Bar-end 11s controls CARBON**		technopolymer body - carbon fibre levers - Back to Zero position - adjustable initial position - Multi-shifting System™ - micrometric adjustment of the front derailleur - with Campagnolo 11s drivetrain compatible	155
	**Bar-end 11s controls**		technopolymer body - aluminium levers - Back to Zero position - adjustable initial position - Multi-shifting System™ - micrometric adjustment of the front derailleur - with Campagnolo 11s drivetrain compatible	167
	**Bar-end 10s controls**		technopolymer body - aluminium levers - Back to Zero position - Adjustable initial position - Multi-shifting System™ - micrometric adjustment of the front derailleur - with Campagnolo 10s drivetrain compatible	167
	**Bar-end brake levers CARBON**		technopolymer body - carbon fibre levers - aerodynamic profile - ergonomic profile for the levers - quick-release system	86
	**Bar-end brake levers**		technopolymer body - leva in alluminio - aerodynamic profile - ergonomic profile for the levers - Quick-release system	106
	**SUPER RECORD™ Ultra-Torque™ Titanium 11s crankset**	170, 172.5, 175 mm, 42-54, 42-55	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axles in titanium - requires Super Record ULTRA-TORQUE™ BB cups	675
	**SUPER RECORD™ Ultra-Torque™ Carbon 11s crankset**	170, 172.5, 175 mm, 42-54, 42-55	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axles - requires Super Record ULTRA-TORQUE™ BB cups	715
	**RECORD™ Ultra-Torque™ Carbon 11s crankset**	170, 172.5, 175 mm, 42-54, 42-55	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - 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	718
	**CHORUS™ Ultra-Torque™ Carbon 11s crankset**	170, 172.5, 175 mm, 42-54, 42-55	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	757
	**GHIBLI 9s sprockets (for Campagnolo 11s drivetrains)**	11-21, 11-23	Steel gears with 2 dedicated 11/21 and 11/23 combinations optimised for Campagnolo 11-speed drivetrains. 11/21: 11 - 12 - 13 - 14 - 15 - 16 - 17/19/21 11/23: 11 - 12 - 13 - 14 - 15 - 17/19 - 21/23	166

* Average weight - it refers to the lighter specification among the available options.

CYCLOCROSS COMPONENTS 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**CX Power-Torque™ 11s crankset**	170, 172.5, 175 mm 36-46, 34-50	forged aluminum cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with CART™ (Cyclecross Advanced Racing Technology) - chainrings with silver anodization - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups - specially-designed double-lip seal for CX	728
	**CX Power-Torque™ CARBON 11s crankset**	170, 172.5, 175 mm 36-46, 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with CART™ (Cyclecross Advanced Racing Technology) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups - specially-designed double-lip seal for CX	628
	**CX Power-Torque™ 10s crankset**	170, 172.5, 175 mm 36-46, 34-50	forged aluminium cranks - chainrings with CART™ (Cyclecross Advanced Racing Technology) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups - specially-designed double-lip seal for CX	731
	**CX Power-Torque™ CARBON 10s crankset**	170, 172.5, 175 mm 36-46, 34-50	full-carbon unidirectional-multidirectional cranks - chainrings with CART™ (Cyclecross Advanced Racing Technology) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups - specially-designed double-lip seal for CX	629
	**CX Power-Torque™ BB outboard cups**	ITA, ENG	aluminium with specially-designed double-lip seal for CX	72
	**CX Cantilever brakes**	bright silver deep black	forged arms - alloy small parts - brake-pad height adjustment ratio: 20÷35 mm - adjustment of the distance between pads, possibility to use tires of width 19-35 mm, rims of width 19-22 mm - possibility of adjusting the tension of the cables	138

* Average weight - it refers to the lighter specification among the available options.

PISTA™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	**RECORD™ PISTA™ front hub**	32, 36 holes	light alloy body – lubrication port - small flanges - O.L.D. 100 mm	204
	**RECORD™ PISTA™ rear hub**	32, 36 holes	light alloy body – lubrication port - small flanges - O.L.D. 120 mm	284
	**RECORD™ PISTA™ crankset**	165, 170 mm 47, 48, 49, 50, 51, 52	requires b.b. L. 111 mm (asymmetrical)	592
	**RECORD™ PISTA™ bottom bracket**	ITA, ENG	axle L. 111 mm (asymmetrical) - composite and light alloy cartridge - light alloy cups - without sealings	220
	**RECORD™ Pro·Fit Plus™ pedals**		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
	**RECORD™ headset**		BC 1"x24tpi - height 36.5 mm - light alloy with steel inserts - cup and cone system	104
	**RECORD™ Threadless™ headset**		1" - 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
	**RECORD™ Hiddenset™ headset**	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

* Average weight - it refers to the lighter specification among the available options.

CX WHEELS

	NOMINAL WEIGHT (G)*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH – MM (NOMINAL)	ULTRA-FIT™	ASYMMETRICAL HOLES	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES
CX WHEELS								
KHAMSIN™ CX front cl.	828	alu	24/20,5			•	black	20
KHAMSIN™ CX rear cl.	1045	alu	24/20,5			•	black	27/G3™
KHAMSIN™ CX rear cl. (HG)	1084	alu	24/20,5			•	black	27/G3™
VENTO REACTION™ CX front cl.	825	alu	24/20,5			•	black	24/G3™
VENTO REACTION™ CX rear cl.	1002	alu	24/20,5			•	black	27/G3™
VENTO REACTION™ CX rear cl. (HG)	1041	alu	24/20,5			•	black	27/G3™
SCIROCCO™ CX front cl.	775	alu	24/20,5			•	black	20
SCIROCCO™ CX rear cl.	1020	alu	24/20,5			•	black	27/G3™
SCIROCCO™ CX rear cl. (HG)	1059	alu	24/20,5			•	black	27/G3™
BORA™ One CX front tub.	590	carb	50/20				carb	18
BORA™ One CX rear tub.	760	carb	50/20				carb	21/G3™
BORA™ One CX rear tub. (HG)	799	carb	50/20				carb	21/G3™
BULLET™ ULTRA™ CX front cl.	737	alu/carb	50/20,5				carb	18
BULLET™ ULTRA™ CX rear cl.	873	alu/carb	50/20,5				carb	21/G3™
BULLET™ ULTRA™ CX rear cl. (HG)	912	alu/carb	50/20,5				carb	21/G3™

DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	ULTRALINEAR™ / DRSC™ GEOMETRY	NUT/NIPPLE MATERIAL	O.L.D. (MM)	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY	REQUIRES SPECIAL SPROCKET SET
	SS				BR	100	alu		S	black			
	SS				BR	130	alu		S	black		9/10/11	
	SS				BR	130	alu		S	black		8/9/10	
SDB	SS	DB			BR	100	alu		S	black			
SDB	SS	DB			BR	130	alu		S	black		9/10/11	
SDB	SS	DB			BR	130	alu		S	black		8/9/10	
SDB	SS	AE DB			BR	100	alu		S	black			
SDB	SS	AE DB			BR	130	alu		S	black		9/10/11	
SDB	SS	AE DB			BR	130	alu		S	black		8/9/10	
RDB	SS	AE DB			alu	100	alu	•	S	black	•		
RDB	SS	AE DB			alu	130	alu	•	S	black	•	9/10/11	
RDB	SS	AE DB			alu	130	alu	•	S	black	•	8/9/10	
RDB	SS	AE DB		DRSC™	alu	100	alu	•	S	black	•		
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S	black	•	9/10/11	
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S	black	•	8/9/10	

KEY

DB = Butted
AE = Aero
UAE = Ultra Aero
SS = Stainless steel

BR = Brass
S = steel
U = USB™
C = CULT™

SDB= Spoke Dynamic Balance
RDB= Rim Dynamic Balance

* Average weight - does not include the quick-release and the rim-tape.

LOW-PROFILE WHEELS

	NOMINAL WEIGHT (G)*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH – MM (NOMINAL)	ULTRA-FIT™	ASYMMETRICAL HOLES	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES
LOW-PROFILE WHEELS								
NEUTRON™ ULTRA™ front cl.	630	alu	18/20,5			•	black	22
NEUTRON™ ULTRA™ rear cl.	840	alu	18/20,5		•	•	black	24
NEUTRON™ ULTRA™ rear cl. (HG)	879	alu	18/20,5		•	•	black	24
HYPERON™ One front cl.	615	carb	21/20,5			•	carb	22
HYPERON™ One rear cl.	765	carb	23/20,5		•	•	carb	24
HYPERON™ One rear cl. (HG)	804	carb	23/20,5		•	•	carb	24
HYPERON™ ULTRA™ Two front cl.	580	carb	21/20,5			•	carb	22
HYPERON™ ULTRA™ Two rear cl.	765	carb	23/20,5		•	•	carb	24
HYPERON™ ULTRA™ Two rear cl. (HG)	804	carb	23/20,5		•	•	carb	24
HYPERON™ ULTRA™ Two front tub.	536	carb	19/20				carb	22
HYPERON™ ULTRA™ Two rear tub.	695	carb	21/20		•		carb	24
HYPERON™ ULTRA™ Two rear tub. (HG)	734	carb	21/20		•		carb	24

DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	ULTRALINEAR™ / DRSC™ GEOMETRY	NUT/NIPPLE MATERIAL	O.L.D. (MM)	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY	REQUIRES SPECIAL SPROCKET SET
	SS	AE DB		UL	alu	100	alu/carb	•	S	blk/carb			
	SS	AE DB	•	UL	alu	130	alu/carb	•	S	blk/carb		9/10/11	
	SS	AE DB	•	UL	alu	130	alu/carb	•	S	blk/carb		8/9/10	
RDB	SS	AE DB		UL	alu	100	alu	•	S	black	•		
RDB	SS	AE DB		UL	alu	130	alu	•	S	black	•	9/10/11	
RDB	SS	AE DB		UL	alu	130	alu	•	S	black	•	8/9/10	
SDB	SS	AE DB		UL	alu	100	carb	•	C	carb			
SDB	SS	AE DB		UL	alu	130	alu/carb	•	C	blk/carb		9/10/11	
SDB	SS	AE DB		UL	alu	130	alu/carb	•	C	blk/carb		8/9/10	
RDB	SS	AE DB		UL	alu	100	carb	•	C	carb			
RDB	SS	AE DB	•	UL	alu	130	alu/carb	•	C	blk/carb		9/10/11	
RDB	SS	AE DB	•	UL	alu	130	alu/carb	•	C	blk/carb		8/9/10	

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SDB= Spoke Dynamic Balance
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* Average weight - does not include the quick-release and the rim-tape.

MEDIUM-PROFILE WHEELS

	NOMINAL WEIGHT (G)*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - MM (NOMINAL)	ULTRA-FIT™	ASYMMETRICAL HOLES	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES
MEDIUM-PROFILE WHEELS								
KHAMSIN™ front cl.	828	alu	24/20,5			•	black	20
KHAMSIN™ rear cl.	1045	alu	24/20,5			•	black	27/G3™
KHAMSIN™ rear cl. (HG)	1084	alu	24/20,5			•	black	27/G3™
VENTO™ REACTION™ front cl.	825	alu	24/20,5			•	black	24/G3™
VENTO™ REACTION™ rear cl.	1002	alu	24/20,5			•	black	27/G3™
VENTO™ REACTION™ rear cl. (HG)	1041	alu	24/20,5			•	black	27/G3™
SCIROCCO™ front cl.	775	alu	24/20,5			•	black	20
SCIROCCO™ rear cl.	1020	alu	24/20,5			•	black	27/G3™
SCIROCCO™ rear cl. (HG)	1059	alu	24/20,5			•	black	27/G3™
ZONDA™ front cl.	670	alu	24/20,5				black	16
ZONDA™ rear cl.	885	alu	30/20,5		•		black	21/G3™
ZONDA™ rear cl. (HG)	924	alu	30/20,5		•		black	21/G3™
EURUS™ front cl.	634	alu	24/20,5				black	16
EURUS™ rear cl.	848	alu	30/20,5		•		black	21/G3™
EURUS™ rear cl. (HG)	887	alu	30/20,5		•		black	21/G3™
SHAMAL™ ULTRA™ front cl.	605	alu	24/20,5				black	16
SHAMAL™ ULTRA™ rear cl.	820	alu	30/20,5		•		black	21/MG3™
SHAMAL™ ULTRA™ rear cl. (HG)	859	alu	30/20,5		•		black	21/MG3™
SHAMAL™ ULTRA™ front tub.	612	alu	24,5/20				black	16
SHAMAL™ ULTRA™ rear tub.	813	alu	28,5/20		•		black	21/MG3™
SHAMAL™ ULTRA™ rear tub. (HG)	852	alu	28,5/20		•		black	21/MG3™
ZONDA™ 2-Way Fit™ front	680	alu	24/20,5	•			black	16
ZONDA™ 2-Way Fit™ rear	900	alu	30/20,5	•	•		black	21/G3™
ZONDA™ 2-Way Fit™ rear (HG)	939	alu	30/20,5	•	•		black	21/G3™
EURUS™ 2-Way Fit™ front	643	alu	24/20,5	•			black	16
EURUS™ 2-Way Fit™ rear	857	alu	28/20,5	•	•		black	21/MG3™
EURUS™ 2-Way Fit™ rear (HG)	896	alu	28/20,5	•	•		black	21/MG3™
SHAMAL™ ULTRA™ 2-Way Fit™ front	615	alu	24/20,5	•			black	16
SHAMAL™ ULTRA™ 2-Way Fit™ rear	825	alu	28/20,5	•	•		black	21/MG3™
SHAMAL™ ULTRA™ 2-Way Fit™ rear (HG)	864	alu	28/20,5	•	•		black	21/MG3™

DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	ULTRALINEAR™ / DRSC™ GEOMETRY	NUT/NIPPLE MATERIAL	O.L.D. (MM)	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY	REQUIRES SPECIAL SPROCKET SET
	SS				BR	100	alu		S	black			
	SS				BR	130	alu		S	black		9/10/11	
	SS				BR	130	alu		S	black		8/9/10	
SDB	SS	DB			BR	100	alu		S	black			
SDB	SS	DB			BR	130	alu		S	black		9/10/11	
SDB	SS	DB			BR	130	alu		S	black		8/9/10	
SDB	SS	AE DB			BR	100	alu		S	black			
SDB	SS	AE DB			BR	130	alu		S	black		9/10/11	
SDB	SS	AE DB			BR	130	alu		S	black		8/9/10	
RDB	SS	AE DB		UL	BR	100	alu	•	S	black	•		
RDB	SS	AE DB		UL	BR	130	alu	•	S	black	•	9/10/11	
RDB	SS	AE DB		UL	BR	130	alu	•	S	black	•	8/9/10	
RDB	alu	AE DB		UL	alu	100	alu	•	S	slv/blk			
RDB	alu	AE DB		UL	alu	130	alu	•	S	slv/blk		9/10/11	
RDB	alu	AE DB		UL	alu	130	alu	•	S	slv/blk		8/9/10	
RDB	alu	AE DB		UL	alu	100	alu/carb	•	U	blk/carb			
RDB	alu	AE DB		UL	alu	130	alu/carb	•	U	blk/carb		9/10/11	
RDB	alu	AE DB		UL	alu	130	alu/carb	•	U	blk/carb		8/9/10	
RDB	alu	AE DB		UL	alu	100	alu/carb	•	U	blk/carb			
RDB	alu	AE DB		UL	alu	130	alu/carb	•	U	blk/carb		9/10/11	
RDB	alu	AE DB		UL	alu	130	alu/carb	•	U	blk/carb		8/9/10	
RDB	SS	AE DB		UL	BR	100	alu	•	S	black	•		
RDB	SS	AE DB		UL	BR	130	alu	•	S	black	•	9/10/11	
RDB	SS	AE DB		UL	BR	130	alu	•	S	black	•	8/9/10	
RDB	alu	AE DB		UL	alu	100	alu	•	S	black			
RDB	alu	AE DB		UL	alu	130	alu	•	S	black		9/10/11	
RDB	alu	AE DB		UL	alu	130	alu	•	S	black		8/9/10	
RDB	alu	AE DB		UL	alu	100	alu/carb	•	U	blk/carb			
RDB	alu	AE DB		UL	alu	130	alu/carb	•	U	blk/carb		9/10/11	
RDB	alu	AE DB		UL	alu	130	alu/carb	•	U	blk/carb		8/9/10	

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C = CULT™

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RDB= Rim Dynamic Balance

* Average weight - does not include the quick-release and the rim-tape.

HIGH-PROFILE WHEELS

	NOMINAL WEIGHT (G)*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - MM (NOMINAL)	ULTRA-FIT™	ASYMMETRICAL HOLES	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES
HIGH-PROFILE WHEELS								
BULLET™ front cl.	785	alu/carb	50/20,5				carb	18
BULLET™ rear cl.	970	alu/carb	50/20,5				carb	21/G3™
BULLET™ rear cl. (HG)	1009	alu/carb	50/20,5				carb	21/G3™
BULLET™ 80 front cl.	865	alu/carb	80/20,5				carb	16
BULLET™ 80 rear cl.	1065	alu/carb	80/20,5				carb	18/G3™
BULLET™ 80 rear cl. (HG)	1104	alu/carb	80/20,5				carb	18/G3™
BULLET™ ULTRA™ front cl.	727	alu/carb	50/20,5				carb	18
BULLET™ ULTRA™ rear cl.	863	alu/carb	50/20,5				carb	21/G3™
BULLET™ ULTRA™ rear cl. (HG)	902	alu/carb	50/20,5				carb	21/G3™
BULLET™ ULTRA™ 80 front cl.	815	alu/carb	80/20,5				carb	16
BULLET™ ULTRA™ 80 rear cl.	955	alu/carb	80/20,5				carb	18/G3™
BULLET™ ULTRA™ 80 rear cl. (HG)	994	alu/carb	80/20,5				carb	18/G3™
BULLET™ ULTRA™ 105 front cl.	910	alu/carb	105/20,5				carb	16
BULLET™ ULTRA™ 105 rear cl.	1050	alu/carb	105/20,5				carb	18/G3™
BULLET™ ULTRA™ 105 rear cl. (HG)	1089	alu/carb	105/20,5				carb	18/G3™
BULLET™ ULTRA™ front 2-Way Fit™	727	alu/carb	50/20,5	•			carb	18
BULLET™ ULTRA™ rear 2-Way Fit™	863	alu/carb	50/20,5	•			carb	21/G3™
BULLET™ ULTRA™ rear 2-Way Fit™ (HG)	902	alu/carb	50/20,5	•			carb	21/G3™
BULLET™ ULTRA™ 80 front 2-Way Fit™	815	alu/carb	80/20,5	•			carb	16
BULLET™ ULTRA™ 80 rear 2-Way Fit™	955	alu/carb	80/20,5	•			carb	18/G3™
BULLET™ ULTRA™ 80 rear 2-Way Fit™ (HG)	994	alu/carb	80/20,5	•			carb	18/G3™
BULLET™ ULTRA™ 105 front 2-Way Fit™	910	alu/carb	105/20,5	•			carb	16
BULLET™ ULTRA™ 105 rear 2-Way Fit™	1050	alu/carb	105/20,5	•			carb	18/G3™
BULLET™ ULTRA™ 105 rear 2-Way Fit™ (HG)	1089	alu/carb	105/20,5	•			carb	18/G3™
BORA™ ULTRA™ Two front tub.	565	carb	50/20				carb	18
BORA™ ULTRA™ Two rear tub.	745	carb	50/20				carb	21/G3™
BORA™ ULTRA™ Two rear tub. (HG)	784	carb	50/20				carb	21/G3™
BORA™ ULTRA™ 80 front tub.	715	carb	80/20				carb	16
BORA™ ULTRA™ 80 rear tub.	825	carb	80/20				carb	18/G3™
BORA™ ULTRA™ 80 rear tub. (HG)	864	carb	80/20				carb	18/G3™
BORA™ One front tub.	590	carb	50/20				carb	18
BORA™ One rear tub.	760	carb	50/20				carb	21/G3™
BORA™ One rear tub. (HG)	799	carb	50/20				carb	21/G3™
GHIBLI™ ULTRA™ rear road	1010	alu	D/19					
GHIBLI™ front track	955	alu	D/19					
GHIBLI™ rear track	995	alu	D/19					
PISTA™ front tub.	995	alu	38/20				black	20
PISTA™ rear tub.	1040	alu	38/20				black	24

KEY
DB = Butted
AE = Aero
UAE = Ultra Aero
SS = Stainless steel

BR = Brass
S = steel
U = USB™
C = CULT™

SDB= Spoke Dynamic Balance
RDB= Rim Dynamic Balance

* Average weight - does not include the quick-release and the rim-tape.

DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	ULTRALINEAR™ / DRSC™ GEOMETRY	NUT/NIPPLE MATERIAL	O.L.D. (MM)	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY	REQUIRES SPECIAL SPROCKET SET
RDB	SS	AE DB		DRSC™	BR	100	alu		S/U	black	•		
RDB	SS	AE DB		DRSC™	BR	130	alu		S/U	black	•	9/10/11	
RDB	SS	AE DB		DRSC™	BR	130	alu		S/U	black	•	8/9/10	
RDB	SS	AE DB		DRSC™	BR	100	alu		S/U	black	•		
RDB	SS	AE DB		DRSC™	BR	130	alu		S/U	black	•	9/10/11	
RDB	SS	AE DB		DRSC™	BR	130	alu		S/U	black	•	8/9/10	
RDB	SS	AE DB		DRSC™	alu	100	alu	•	S/U/C	black	•		
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S/U/C	black	•	9/10/11	
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S/U/C	black	•	8/9/10	
RDB	SS	AE DB		DRSC™	alu	100	alu	•	S/U/C	black	•		
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S/U/C	black	•	9/10/11	
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S/U/C	black	•	8/9/10	
RDB	SS	AE DB		DRSC™	alu	100	alu	•	S/U/C	black	•		
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S/U/C	black	•	9/10/11	
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S/U/C	black	•	8/9/10	
RDB	SS	AE DB		DRSC™	alu	100	alu	•	S/U/C	black	•		
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S/U/C	black	•	9/10/11	
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S/U/C	black	•	8/9/10	
RDB	SS	AE DB		DRSC™	alu	100	alu	•	S/U/C	black	•		
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S/U/C	black	•	9/10/11	
RDB	SS	AE DB		DRSC™	alu	130	alu	•	S/U/C	black	•	8/9/10	
RDB	SS	AE DB		UL	alu	100	carb	•	C	carb			
RDB	SS	AE DB		UL	alu	130	alu/carb	•	C	blk/carb		9/10/11	
RDB	SS	AE DB		UL	alu	130	alu/carb	•	C	blk/carb		8/9/10	
RDB	SS	AE DB		UL	alu	100	alu/carb	•	C	blk/carb			
RDB	SS	AE DB		UL	alu	130	alu/carb	•	C	blk/carb		9/10/11	
RDB	SS	AE DB		UL	alu	130	alu/carb	•	C	blk/carb		8/9/10	
RDB	SS	AE DB		UL	alu	100	alu	•	S	black	•		
RDB	SS	AE DB		UL	alu	130	alu	•	S	black	•	9/10/11	
RDB	SS	AE DB		UL	alu	130	alu	•	S	black	•	8/9/10	
	aramid					132	alu	•	C				•
	aramid					100	alu	•	S				
	aramid					120	alu	•	S				
	SS	AE			alu	100	alu	•	S	black			
	SS				alu	120	alu	•	S	black			

LOW-PROFILE WHEELS

HYPERON™ ULTRA™ TWO™
tubular



- full-carbon rims
- differentiated front-rear rims
- asymmetrical rear rim
- differentiated spokes
- variable section stainless steel aero spokes
- ultralinear geometry
- nut-plate system with ball coupling
- self-locking nuts
- rear hub with oversize right-hand flange
- carbon hub bodies
- new dynamic balancing
- aluminium right-hand rear flange
- Cup and cone CULT™ bearings, standardised front-rear, ceramic 4x15 balls 5/32"
- monolithic FW body
- oversize light-alloy axles
- special brake pads
- Ultra-Light aerodynamic quick-release

HYPERON™ ULTRA™ TWO™
clincher



- full-carbon rims
- differentiated front-rear rims
- asymmetrical rear rim
- differentiated spokes
- variable section stainless steel aero spokes
- ultralinear geometry
- nut-plate system with ball coupling
- self-locking nuts
- new dynamic balancing
- rear hub with oversize right-hand flange
- carbon hub bodies
- aluminium right-hand rear flange
- Cup and cone CULT™ bearings, standardised front-rear, ceramic 4x15 balls 5/32"
- monolithic FW body
- oversize light-alloy axles
- special brake pads
- Ultra-Light aerodynamic quick-release

HYPERON™ ONE™
clincher



- full-carbon rims
- differentiated front-rear rims
- asymmetrical rear rim
- differentiated spokes
- variable section stainless steel aero spokes
- ultralinear geometry
- spoke anti-rotation system
- nut-plate system with ball coupling
- self-locking nuts
- new dynamic balancing
- rear hub with oversize right-hand flange
- aluminium hub bodies
- cup and cone bearings
- 4x15 balls 5/32" stainless steel
- monolithic FW body
- oversize light-alloy axles
- special brake pads
- Ultra-Light aerodynamic quick-release

NEUTRON™ ULTRA™



- polygonal rim
- differentiated front-rear rims
- rear rim with asymmetrical drilling
- milled rims on the front bridge
- welded joint and machined sides
- differentiated spokes
- variable section stainless steel aero spokes
- ultralinear geometry
- nut-plate system with ball coupling
- self-locking nuts
- rear hub with oversize right-hand flange
- carbon and aluminium hub bodies
- cup and cone bearings
- 4x15 balls 5/32" stainless steel
- standardised front-rear bearings
- monolithic FW body
- oversize light-alloy axles

MEDIUM-PROFILE WHEELS

SHAMAL™ ULTRA™ 2-WAY FIT™



- 2-Way Fit™ rim with tubeless Ultra-Fit™ profile
- lightened rim with toroidal milling
- welded joint and machined sides
- dynamic balancing
- variable section aluminium aero spokes
- selected rims
- differentiated front-rear rims
- Mega G3 geometry™ (rear)
- aluminium nipples
- oriented spoke holes
- ultralinear geometry
- carbon-aluminium hub bodies
- oversize right-hand rear flange
- Cup and cone USB™ bearings, standardised front-rear, ceramic 4x15 balls 5/32"
- monolithic FW body
- oversize light-alloy axles
- undrilled top bridge

EURUS™ 2-WAY FIT™



- 2-Way Fit™ rim with tubeless Ultra-Fit™ profile
- rim with toroidal milling
- welded joint and machined sides
- dynamic balancing
- variable section aluminium aero spokes
- differentiated front-rear rims
- Mega G3 geometry™ (rear)
- aluminium nipples
- oriented spoke holes
- ultralinear geometry
- aluminium hub bodies
- oversize right-hand rear flange
- cup and cone bearings
- 4x15 balls 5/32"stainless steel
- standardised front-rear bearings
- monolithic FW body
- oversize light-alloy axles
- undrilled top bridge

ZONDA™ 2-WAY FIT™



- 2-Way Fit™ rim with tubeless Ultra-Fit™ profile
- milled rim
- welded joint and machined sides
- dynamic balancing
- variable section inox aero spokes
- spoke anti-rotation system
- differentiated front-rear rims
- G3 geometry™ (rear)
- oriented spoke holes
- ultralinear geometry
- aluminium hub bodies
- oversize right-hand rear flange
- cup and cone bearings
- 4x15 balls 5/32"stainless steel
- standardised front-rear bearings
- monolithic FW body
- oversize light-alloy axles
- undrilled top bridge

SHAMAL™ ULTRA™



- rim with toroidal milling
- welded joint and machined sides
- dynamic balancing
- variable section aluminium aero spokes
- selected rims
- differentiated front-rear rims
- Mega G3 geometry™ (rear)
- aluminium nipples
- oriented spoke holes
- ultralinear geometry
- carbon-aluminium hub bodies
- oversize right-hand rear flange
- Cup and cone USB™ bearings, standardised front-rear, ceramic 4x15 balls 5/32"
- monolithic FW body
- oversize light-alloy axles
- undrilled top bridge

EURUS™



- rim with toroidal milling
- welded joint and machined sides
- dynamic balancing
- variable section aluminium aero spokes
- differentiated front-rear rims
- Mega G3 geometry™ (rear)
- aluminium nipples
- oriented spoke holes
- ultralinear geometry
- aluminium hub bodies
- oversize right-hand rear flange
- cup and cone bearings
- 4x15 balls 5/32"stainless steel
- standardised front-rear bearings
- monolithic FW body
- oversize light-alloy axles
- undrilled top bridge

MEDIUM-PROFILE WHEELS

ZONDA™



- milled rim
- welded joint and machined sides
- dynamic balancing
- variable section stainless steel aero spokes
- spoke anti-rotation system
- differentiated front-rear rims
- G3 geometry™ (rear)
- oriented spoke holes
- ultralinear geometry
- aluminium hub bodies
- oversize right-hand rear flange

- cup and cone bearings
- 4x15 balls 5/32" stainless steel
- standardised front-rear bearings
- monolithic FW body
- oversize light-alloy axles
- undrilled top bridge
- new quick-release

SCIROCCO™



- machined sides
- deeper upper bridge
- dynamic balancing
- variable section stainless steel aero spokes
- G3 geometry™
- aluminium hub bodies
- sealed industrial bearings
- monolithic FW body
- new quick-release

- **Cyclocross version** with double sealed hub-bearings

VENTO™ REACTION™



- machined sides
- deeper upper bridge
- dynamic balancing
- variable section stainless steel aero spokes
- G3 geometry™
- aluminium hub bodies
- oversize flanges
- sealed industrial bearings
- monolithic FW body

- **Cyclocross version** with double sealed hub-bearings

KHAMSIN™



- machined sides
- dynamic balancing
- stainless steel spokes
- G3 geometry™
- aluminium hub bodies
- sealed industrial bearings
- monolithic FW body

- **Cyclocross version** with double sealed hub-bearings

HIGH-PROFILE WHEELS

BULLET™



- alu-carbon rim 50 mm
- differentiated spokes
- variable section burnished aero spokes
- G3 geometry™ (rear)
- spoke anti-rotation system
- DRSC™ System
- self-locking brass nipples
- new dynamic balancing DRB™
- rear hub with oversize right-hand flange

- aluminium hub bodies
- aluminium right-hand rear flange
- sealed industrial bearings: USB™ or steel
- monolithic FW body
- oversize steel axles
- aerodynamic quick-release

BULLET™ 80mm



- alu-carbon rim 80 mm
- differentiated spokes
- variable section burnished aero spokes
- G3 geometry™ (rear)
- spoke anti-rotation system
- DRSC™ System
- self-locking brass nipples
- new dynamic balancing DRB™
- rear hub with oversize right-hand flange

- aluminium hub bodies
- aluminium right-hand rear flange
- sealed industrial bearings: USB™ or steel
- monolithic FW body
- oversize steel axles
- aerodynamic quick-release

BULLET™ ULTRA™



- alu-carbon rim 50 mm
- differentiated spokes
- variable section stainless steel aero spokes
- G3 geometry™ (rear)
- spoke anti-rotation system
- DRSC™ System
- self-locking aluminium nipples
- new dynamic balancing DRB™
- rear hub with oversize right-hand flange
- aluminium hub bodies

- aluminium right-hand rear flange
- Cup and cone bearings: CULT™ , USB™ or steel, standardised front-rear, 4x15 balls 5/32"
- monolithic FW body
- oversize light alloy axles
- Ultra-Light aerodynamic quick-release

- **Cyclocross version** with double sealed hub-bearings

BULLET™ ULTRA™ 80mm



- alu-carbon rim 80 mm
- differentiated spokes
- variable section stainless steel aero spokes
- G3 geometry™ (rear)
- spoke anti-rotation system
- DRSC™ System
- self-locking aluminium nipples
- new dynamic balancing DRB™
- rear hub with oversize right-hand flange
- aluminium hub bodies

- aluminium right-hand rear flange
- Cup and cone bearings: CULT™ , USB™ or steel, standardised front-rear, 4x15 balls 5/32"
- monolithic FW body
- oversize light alloy axles
- Ultra-Light aerodynamic quick-release

BULLET™ ULTRA™ 105mm



- alu-carbon rim 105 mm
- differentiated spokes
- variable section stainless steel aero spokes
- G3 geometry™ (rear)
- spoke anti-rotation system
- DRSC™ System
- self-locking aluminium nipples
- new dynamic balancing DRB™
- rear hub with oversize right-hand flange
- aluminium hub bodies

- aluminium right-hand rear flange
- Cup and cone bearings: CULT™ , USB™ or steel, standardised front-rear, 4x15 balls 5/32"
- monolithic FW body
- oversize light alloy axles
- Ultra-Light aerodynamic quick-release

HIGH-PROFILE WHEELS

BORA™ ULTRA™ TWO™



- full-carbon rim
- differentiated spokes
- variable section stainless steel aero spokes
- ultralinear geometry
- nut-plate system with ball coupling
- G3 geometry™ (rear)
- self-locking nuts
- new dynamic balancing
- rear hub with oversize right-hand flange
- carbon hub bodies
- aluminium right-hand rear flange
- Cup and cone CULT™ bearings, standardised front-rear, ceramic 4x15 balls 5/32"
- monolithic FW body
- oversize light-alloy axles
- special brake pads
- Ultra-Light aerodynamic quick-release

BORA™ ULTRA™ 80



- full-carbon rim 80mm
- differentiated spokes
- variable section stainless steel aero spokes
- ultralinear geometry
- nut-plate system with ball coupling
- G3 geometry™ (rear)
- self-locking nuts
- new dynamic balancing
- rear hub with oversize right-hand flange
- carbon hub bodies
- aluminium right-hand rear flange
- Cup and cone CULT™ bearings, standardised front-rear, ceramic 4x15 balls 5/32"
- monolithic FW body
- oversize light-alloy axles
- special brake pads
- Ultra-Light aerodynamic quick-release

BORA™ ONE™



- full-carbon rim
- differentiated spokes
- burnished aero spokes
- spoke anti-rotation system
- ultralinear geometry
- nut-plate system with ball coupling
- G3 geometry™ (rear)
- self-locking nuts
- new dynamic balancing
- rear hub with oversize right-hand flange
- aluminium hub bodies
- cup and cone bearings
- 4x15 balls 5/32" stainless steel
- monolithic FW body
- oversize light-alloy axles
- special brake pads
- Ultra-Light aerodynamic quick-release
- **Cyclocross version** with double sealed hub-bearings

GHIBLI™ ULTRA™



- aramidic fibre tensile structure
- disc profile
- braking surface in aluminium
- aluminium hub bodies
- Cup and cone CULT™ bearings, ceramic 4x15 balls 5/32"
- monolithic FW body
- oversize light-alloy axles
- Ultra-Light aerodynamic quick-release

PISTA™



- aero aluminium rim
- aero stainless steel spokes
- nut-plate system with ball coupling
- self-locking nuts
- track hubs with steel axle

MAXIMUM OPERATING PRESSURE

			RIM DIMENSION			
			13C		15C	
TYRE WIDTH	mm	in.	BAR	PSI	BAR	PSI
	10	0,70	10,0	146		
	20	0,80	9,5	138		
	23	0,90	9,5	138	9,5	138
	25	1,00	9,0	131	9,0	131
	28	1,10			8,0	117
	30	1,20			7,0	103
	32	1,25			6,7	99
	35	1,30			6,3	93
	37	1,40			6,0	88

NOTES

CAMPAGNOLO®
GLOBAL EXPERIENCE

Campagnolo® is not just a product, it is much more. Campagnolo's history is anchored in a set of values developed and nurtured for more than seven decades. These values deal with intelligence and humanity to find the care for customers and their experience the main objective.

Performance, innovation and quality are values that can be found either in the products or the organization, to make sure that our final customers are getting the best possible experience with Campagnolo®.
There are many ingredients that help customers to fully enjoy our products, and those are all standing under two very important words: SERVICE and CARE.

To buy our product is the start of what we call Campagnolo® Global Experience.
Campagnolo believes in the crucial role Dealers play and some years ago created an International Pro-Shop and Service Center network.
Through their commitment and professional approach we are looking after all our customers. Pro-Shops and Service Center, thanks to their acquired know-how, are able to work on highly technological and innovative products conceived to guarantee maximum performance and maximum safety.
That's why Campagnolo®, on regular basis, feeds and updates them with specific tools like Technical Seminars , Technical Manuals, Technical Bulletins.

And to start the Campagnolo® Global Experience, our fans have the opportunity to benefit from our Revolution11 Tour events. In fact, we believe every rider should have the opportunity to understand in advance what he/she might be willing to buy and a test riding experience is the best opportunity to experience firsthand, what words can only promise.
To meet customers' expectations and satisfaction is and will always be our top priority.



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.



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.



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.



CAMPAGNOLO® ORIGINAL SPARE PARTS PACKAGING

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.

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