

2018



*Campagnolo*

Technology and emotion

EN



# GIRO D'ITALIA 2017

Movistar Team

(1st place in Team Classification)



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# Campagnolo®

## THE BEST TEAMS CHOOSE CAMPAGNOLO®

For over 80 years, the quality and precision of Campagnolo® products have accompanied big names like Coppi, Gimondi, Merckx and Indurain in their many victories in the past. Still today, our company is right there alongside the stars of modern cycling such as Alejandro Valverde, Nairo Quintana, Rui Costa and André Greipel, using the components and wheels of our historic brand.

Again in 2017, the best cyclists will be able to count on the excellent quality and top-level performance that have always made our Italian-brand products stand out.

Thanks to the contribution in terms of technology, reliability and performance that our components make in achieving victory in all classes of race, many teams on different levels choose Campagnolo® for their racing season.

In 2017: 3 teams in the UCI World Tour, 5 UCI Professional Continental Teams, 13 UCI Continental Teams, 3 UCI Women's Teams and many others.



### MOVISTAR TEAM

After a 2016 season full of victories, Campagnolo® is happy to welcome back several of the strongest teams in cycling to the Campagnolo® family and looks forward to producing components that will give them an edge in being even more competitive this year. Movistar Team and its general manager Eusebio Unzuè have one of the **longest running relationships with the Italian brand** and will continue to add to their already historic list of successes aboard Campagnolo®. However, it will be difficult to top the performance of Movistar's last four seasons which saw them win the **overall N°1 Ranking for UCI World Tour teams**. The 2017 roster includes such talent as **Alejandro Valverde, Nairo Quintana and Alex Dowsett** and with all riding atop both Campagnolo® EPS™ and Campagnolo® high performance wheels, improving on last year will be a difficult but is a definitely possible goal.

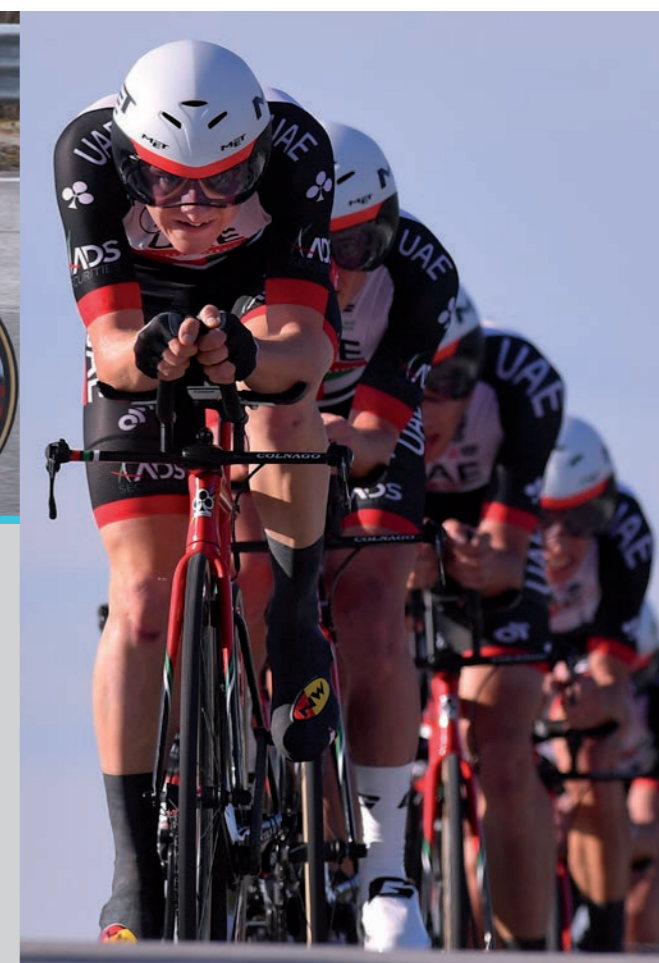


### UAE TEAM EMIRATES

In 2017 **Team UAE Team Emirates debuts as a World Tour team**, being the new set-up of the sports group which has been on the roads for more than 20 years under the management of Giuseppe Saronni.

In the team's roster there are 26 riders who'll pedal on Colnago bikes: 11 represented Countries and 4 continents.

Campagnolo® accepted the challenge by equipping **Colnago C60 bikes with Super Record™ EPS™ electronic groupset and with full carbon Bora™ wheels**, with the conviction this new team will be able to give fans great emotions.



### LOTTO SOUDAL

Lotto Soudal will continue to compete at the highest level with equipment designed and produced in Campagnolo® facilities.

**With over 100 victories to his name André Greipel** hopes to continue his efforts to make sprinting history with the help of a great lead-out train in addition to the precision of his Campagnolo® EPS™ group and reactivity of his Campagnolo® Bora™ wheels.





BARDIANI-CSF

## NIPPO - VINI FANTINI



## GAZPROM - RUSVELO



## CCC SPRANDI POLKOWICE



ROOMPOT - NEDERLANDSE LOTERIJ



Campagnolo® proudly supports many Continental teams so that the technology, innovation and performance of its products can support the efforts of a broad range of athletes from numerous nations and continents.

Thanks to its direct collaboration with the teams, Campagnolo® is able to provide a performance advantage to the next generation of world-class cyclists.

TEAM	COUNTRY	FRAME
0711 / CYCLING	GER	REVEN
ADRIA MOBIL	SLO	SPECIALIZED
AMORE & VITA - SELLE SMP presented by FONDRIEST	ALB	FONDRIEST
BICICLETAS STRONGMAN	COL	WILIER
HOLY BROTHER CYCLING TEAM	CHN	HOLY BROTHER
JLT CONDOR	GBR	CONDOR
KINAN CYCLING TEAM	JPN	YONEX
KSP0 BIANCHI ASIA PROCYCLING	KOR	BIANCHI
MERIDIANA KAMEN TEAM	CRO	GUERCIOTTI
SANGEMINI - MG. K VIS	ITA	OLMO
T.PALM PÔLE CONTINENTAL WALLON	BEL	PINARELLO
TEAM COOP	NOR	RIDLEY
TEAM DIFFERDANGE - LOSCH	LUX	MMR



## 2017 UCI WOMEN

TEAM	COUNTRY	FRAME
ALE' CIPOLLINI	ITA	CIPOLLINI
GIUSFREDI BIANCHI	ITA	BIANCHI
WIGGLE HIGH5	GBR	COLNAGO

## 2017 UCI TRACK

TEAM	COUNTRY	FRAME
CYCLING TEAM FRIULI ASD	ITA	PINARELLO
TAICHUNG CYCLING TEAM	TPE	AXMAN
TEAM WALES	GBR	DOLAN



# GRANFONDO CAMPAGNOLO

Campagnolo, which out of choice and by tradition wants to be always right there alongside the pros and "granfondo" fans, has selected over recent years, three great events for promotion of its brand, with the aim of offering a true, unique cycling experience in Campagnolo® style. Those participating must be able to appreciate every single event, each in a personal, unique and marvelous way.

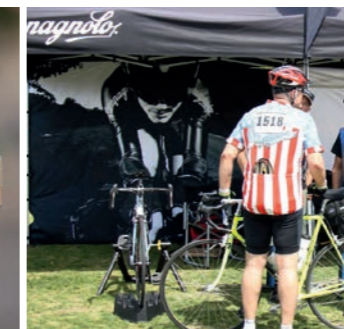
## ROMA

**Granfondo Campagnolo Roma:** the combination with Rome, the eternal city, capital and unequalled vehicle of history, tradition, culture and distinctiveness, was strongly desired from the start and has now reached its third edition with great success in terms of number of participants from all over the world. It is without doubt a unique emotion over and above a sporting experience.



## NEW YORK

**Campagnolo Granfondo New York** shares with Rome the prestige and the excitement of the skyline. Ancient times for Rome and modern ones for New York. Both symbolically strong, both able to attract the interest of aficionados all over the world because, in addition to the muscles in the legs, it will also trigger a reaction in the muscle that keeps us alive, the seat of our emotions: the heart.



## SAN DIEGO

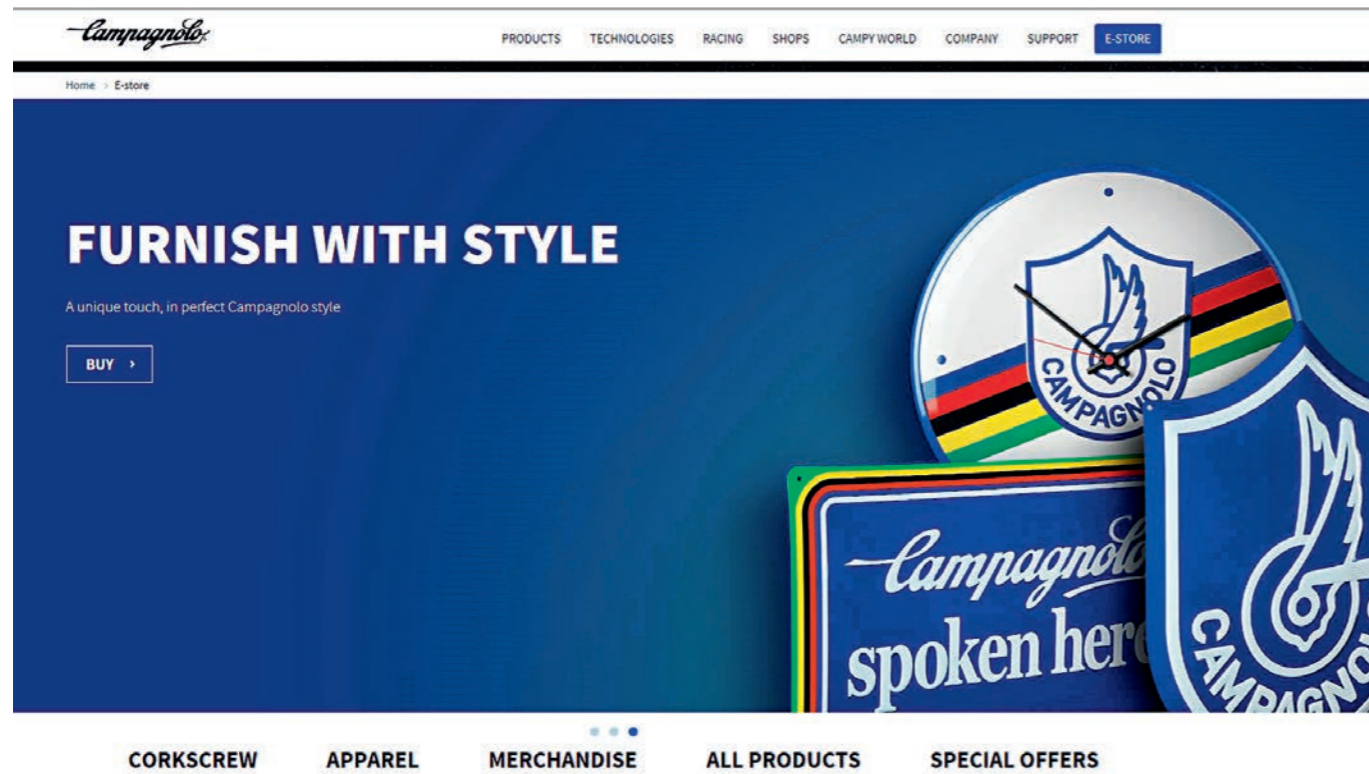
**Campagnolo Granfondo San Diego** is probably one of the first events organized in America to have picked up on the concept and the spirit of the Italian granfondos. Again in this case, organization, logistics, location and atmosphere "made in Italy" are in pure Campagnolo style.





As the hashtag says, #thoseintheknow choose Campagnolo® and those that choose Campagnolo® do so not only because they are sure of getting their hands on some of the most performance oriented, reliable and sophisticated componentry for cycling available but also due to what Campagnolo® represents.

Products made with passion that exude a pure and authentic cycling tradition will give a definite race winning advantage but also communicate that the rider is one who takes a great deal of pride in his cycling and expects something more from his time in the saddle. If you are of a similar mindset then your dedication to authentic cycling shouldn't be limited only to your time in the saddle.





**CAMPAGNOLO CYCLING CAP CLASSIC EDITION**

[FIND OUT MORE >](#)



**CAMPAGNOLO CYCLING CAP GIRO EDITION**

[FIND OUT MORE >](#)



**CAMPAGNOLO APRON**

[FIND OUT MORE >](#)



**CAMPAGNOLO RIDER'S NOTEBOOK**

[FIND OUT MORE >](#)

Thanks to the recently launched **Campagnolo® E-Store** you can find fantastic products that show your affinity towards the most iconic cycling brand ever known. Visit the store today and show the world that you are one of #thoseintheknow who choose Campagnolo®.



**CAMPAGNOLO "BIG" CORKSCREW**

[FIND OUT MORE >](#)



**CAMPAGNOLO "BIG" CORKSCREW**

[FIND OUT MORE >](#)



**CAMPAGNOLO VINTAGE WALLCLOCK**

[FIND OUT MORE >](#)



**CAMPAGNOLO VINTAGE SHIELD SIGNAGE**

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**CAMPAGNOLO VINTAGE SIGNAGE**

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**CAMPAGNOLO TRACKSUIT**

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**CAMPAGNOLO CLASSIC POLO**

[FIND OUT MORE >](#)



**CAMPAGNOLO CLASSIC T-SHIRT**

[FIND OUT MORE >](#)





# GROUPSETS

<b>CAMPAGNOLO® GROUPSET ADVANTAGE</b>		<b>14</b>
<b>SUPER RECORD™ EPS™</b>	Disc Brake - Rim Brake	<b>20 - 22</b>
<b>SUPER RECORD™</b>	Disc Brake - Rim Brake	<b>24 - 26</b>
<b>RECORD™ EPS™</b>	Disc Brake - Rim Brake	<b>28 - 30</b>
<b>RECORD™</b>	Disc Brake - Rim Brake	<b>32 - 34</b>
<b>CHORUS™ EPS™</b>	Rim Brake	<b>36</b>
<b>CHORUS™</b>	Disc Brake - Rim Brake	<b>38 - 40</b>
<b>POTENZA 11™</b>	Disc Brake - Rim Brake	<b>42 - 44</b>
<b>CENTAUR™</b>	Rim Brake	<b>48</b>



# CAMPAGNOLO® DISC BRAKE PROJECT

The Campagnolo® Disc Brake Project started a number of years ago with several ambitious goals. It includes not just one groupset but an entire range, not limited to mechanical transmission but includes EPS™ electronic hydraulic controls and is accompanied by an entire range of wheels designed to combine perfectly with the new braking system.

This new project required the collaboration between the highly specialised engineering of the Campy Tech Lab™ and Magura. Magura's expertise in hydraulic functionality proved to be fundamental in terms of guaranteeing the best possible functionality while incorporating both Campagnolo® R&D designs and technical input. Every single component of the braking system has been meticulously studied, developed and tested, both via the sophisticated test equipment in the Campy Tech Lab and in the field by top professional cyclists, to ensure efficient, safe and modular braking in all conditions.

**The Campagnolo® Disc Brake Project makes for a complete range of groupsets and wheels that together provide extremely high precision, reliability, safety and lightness in classic Campagnolo® design.**

## ERGOPOWER™ CONTROLS

The Campagnolo® Ergopower™ control has long been the industry leader in terms of ergonomics. It offers a functional, unique and elegant Italian design.

Now with the inception of the disc brake version we needed to realise a design that both the ergonomics and aesthetics remained as faithful to the form of their rim-brake counterparts as possible. To house the hydraulic cylinder, the internals were completely revamped to make room for a great deal of additional hardware compared to the rim brake version. However, when compared to the current rim brake Ergopowers the new disc brake versions are a mere 8mm taller, making this perhaps the most elegant DB control solution available in addition to maintaining the universally lauded Campagnolo® ergonomics.



### SAME HAND CONTACT SURFACE AREA OF THE RIM BRAKE ERGOPOWER™ CONTROLS:

the additional 8 mm, while discrete in stature, is sufficient to create an additional position on top of the brake hoods.



### NEW BRAKE LEVER ERGONOMICS:

easier braking with hands on the drops due to the outward orientation at the lower part of the lever, which follows the outward curve of the handlebar drops.



### BLEEDING PORT ON THE TOP OF THE ERGOPOWER™:

permits an easier and safer bleeding operation.

### NEW ERGONOMICS OF THE ERGOPOWER™ BODY:

the design of the Ergopower™ body has been studied in order to contain the master cylinder and to increase comfort at the upper part of the Ergopower™ body.

### BRAKE LEVER WITH DOUBLE CURVE:

crisp braking in any hazardous situation. Finite improvements to the external profile.

### UNIQUE CYLINDER ACROSS THE ENTIRE RANGE:

one single design for both left and right controls.



### AMS™ ADJUSTMENT (ADJUSTABLE MODULATION SYSTEM):

two positions that permit the rider to obtain the preferred free stroke setting.



### REACH ADJUSTMENT:

micro adjustment that permits the initial braking lever position modification.

### DISC BRAKE CONTROLS ARE AVAILABLE IN 3 MODELS:

- |             |  |
|-------------|--|
| H11         | Ultra-Shift™ Technology<br>(5 gears downshift, 3 upshift)  |
| H11 EPS™    | EPS™ Multishift™ Technology<br>(max 10 gears downshift, 10 upshift – customizable via MyCampy App) |
| POTENZA 11™ | Powershift™ Technology<br>(1 gear downshift, 3 upshift)  |



## BRAKE CALIPER

The forged aluminum Campagnolo® disc brake caliper is available in a flat mount configuration meticulously studied to be perfectly compatible with all flat mount frames and forks currently available, without the need for any converter or adaptor. The calipers themselves are mounted using only two screws with several screw length options available to ensure perfect compatibility with any frame.



### FLAT MOUNT STANDARD:

full compatibility with the latest disc brake frames currently available on the market. Caliper manufactured in forged aluminum with glossy black finishing.

### INCREASED SYSTEM STIFFNESS:

the caliper is assembled directly onto the fork and frame without need for a converter or adapter. This increases the stiffness of the complete system.

### CLEANER BIKE DESIGN:

specific calipers are available for braking on the rear rotor: 140 mm and 160 mm. The result is a cleaner frame & caliper system.



### UNIQUE 22 mm PISTON FOR EVERY CALIPER:

same brake performance in every caliper size. Piston in phenolic resin for thermal insulation and lightness.



### 0,4 – 0,6 mm ROLL-BACK (RETURN):

the same guaranteed distance between pads and rotor of the highest industry standard. Thus avoiding contact between pads and rotor.

### FAST AND SAFE ASSEMBLY:

the Campagnolo® solution requires only 2 screws for assembling the caliper onto the fork. In this way eliminating two screws required for an adapter that cannot be inspected.

### INTEGRATED MAGNETIC SPRING ON PISTON:

no additional metal clip between the two pads. Permits a faster pad replacement.

### PADS, CYLINDER, BLEEDING PORT SCREW AND NUTS ARE THE SAME IN EVERY CALIPER:

full compatibility of the spare parts in each caliper.



### BRAKE PADS WITH ANTI VIBRATION METAL SHEET:

dampens the vibrations during the braking phase.



### PADS WITH WEAR LIMIT INDICATOR:

eliminates the guess work. The replacement is required when the thickness of the compound reaches the wear indicator (1,5 mm).



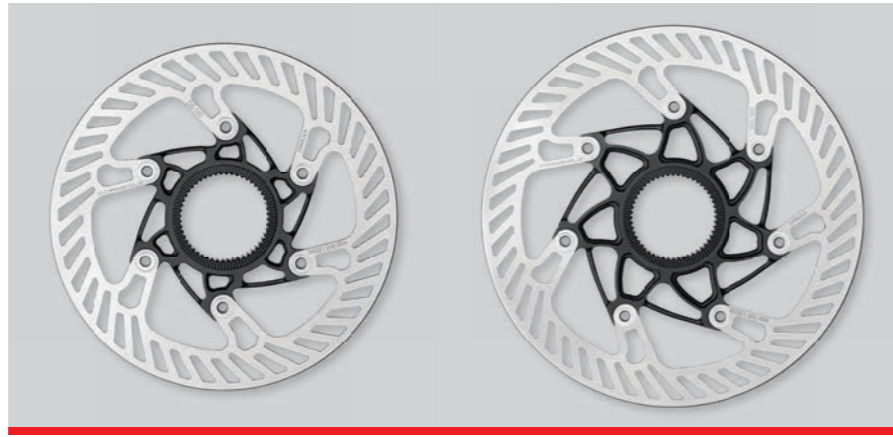
### PAD GUIDE:

easier wheel replacement as the rotor is guided by the pad shape when entering the caliper.



## ROTORS

Last but certainly not least the disc brake unit cannot be complete without discs, and a high performance disc brake groupset must come with equally high performance rotors. In developing professional grade disc rotors, as with brake pads, the fundamental key to achieve extreme performance, safety and reliability is incorporating maximum resistance to heat.



**AFS™ (AXIAL FIXING SYSTEM):**  
compatible with CL / AFS hubs.

### TWO DIMENSIONS AVAILABLE:

Campagnolo® guarantees the top performance with the use of 160 mm rotors. For the rear brake the 140 mm rotor is suggested only if the rider weight does not exceed 82 kg.

### DIFFERENT QUANTITY OF SPOKES PER EACH DIMENSION:

same stiffness, structural and thermal resistance between the 140 mm and the 160 mm rotor.

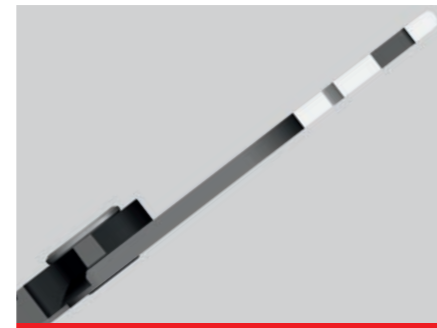
### HIGH HEAT RESISTANCE:

the rotor is designed in order to reach a high heat resistance, allowing the rider to descend in safe conditions. The inner aluminum spider permits maximum heat dissipation, leaving the hub to work at an acceptable temperature.



### ROUNDED EXTERNAL EDGES:

eliminates sharp edges and greatly reduces possibility of rotor related injury. The rounded edges also aid insertion of the rotor in the caliper (perfectly matching the rounded pad angle).



### RIVET CONNECTIONS ENGINEERED TO ATTAIN SAFE CALIPER DISTANCE:

not only dissipate heat in a safe and uniform manner but also guarantee performance in situations where excessive heat could compromise the functionality.

## H11 CRANKSET

Disc brake frames have specific geometries with new spacing and specific angles that necessitate the need to rethink and create chainline optimization.

Campagnolo® engineers have developed the H11 cranksets for perfect transmission functionality with Super Record™, Record™ and Chorus™ in order to guarantee perfect DB functionality without altering Q-factor.



### FULL COMPATIBILITY WITH DISC BRAKE FRAMES:

thanks to the specific chainring positions the Campagnolo® H11 crankset allows the best functionality with both 135 and 142 mm O.L.D.

### Q FACTOR MAINTAINED AT 145,5 mm:

thanks to its new shape Campagnolo® does not need to increase the Q factor dimension, permitting the rider to ride at the top of their performance.



## HO (HYDRAULIC OPTIMIZATION) COMPONENTS



With the release of the Campagnolo® Disc Brake platform, and after extensive research, development and testing, we can propose a completely optimised transmission, compatible with the latest generation of disc brake bike frames. With the introduction of the HO (Hydraulic Optimization) components, we can guarantee highly efficient gear changing thanks to improvements carried out on our cranksets and controls. Wheel changing is improved due to our new hub design.

### HO REAR DERAILLEURS

New upper body with HO (Hydraulic Optimization) geometry for Super Record™, Record™, Chorus™ and Potenza 11™ in ultra-light technopolymer, reinforced with carbon fiber to offer full compatibility with every current market standard (thru axle and QR).



### ADDITIONAL FEATURES OF THE HO REAR DERAILLEURS:



### 72,5 mm ALUMINUM CAGE OPTION:

allowing Super Record™, Record™, Chorus™ and Potenza 11™ to utilise the 11-32 Campagnolo® 11 cassette.



**UPPER PULLEY WHEELS WITH LONGER TEETH:**  
increasing the rear derailleur adjustability and shifting performance.



**LOWER PULLEY WHEELS WITH ROUNDED TEETH:**  
allowing a smooth transmission with each gear change.

### POTENZA 11™ HO CRANKSET

#### FULL COMPATIBILITY WITH DISC AND RIM BRAKE FRAMES:

thanks to the specific chainring positions the MY2018 Potenza 11™ crankset (comm. code FC18-POxxx) allows the best functionality with 130, 135 and 142 mm O.L.D.



### ULTRA-TORQUE™ SPINDLE:

the same stiffness and ease of assembly as used in our high end systems.

### Q FACTOR MAINTAINED AT 145,5 mm:

thanks to its new shape Campagnolo does not need to increase the Q factor dimension, allowing the riders to ride at the height of their performance.

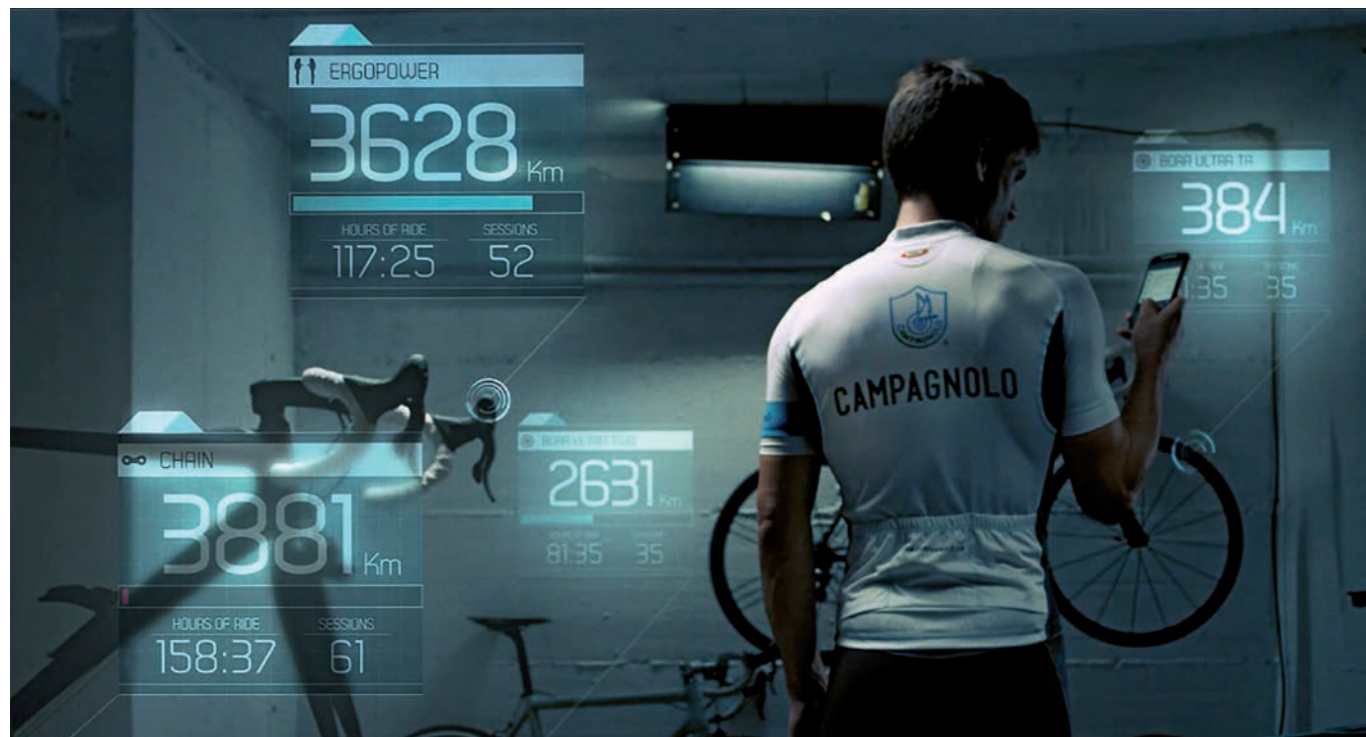
### POTENZA 11™ HO CONTROLS

#### IMPROVED INTERNALS OF THE LEFT RIM BRAKE ERGOWPOWER™ CONTROL:

the new inner mechanism of the MY 2018 Potenza 11™ HO Ergowpower™ control (EP18-POxxx), for both rim and disc brake, match the new specifications of the MY 2018 Potenza 11™ HO crankset (FC18-POxxx).





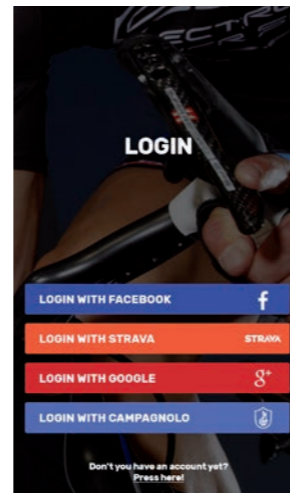


## MyCampy™: your cycling world in the palm of your hand!

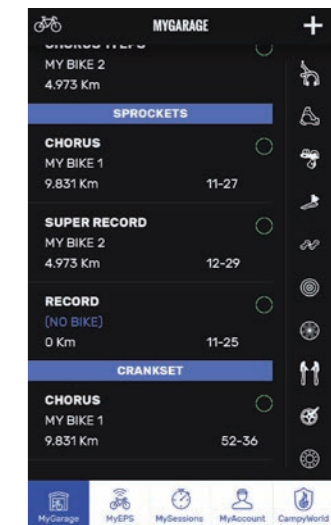
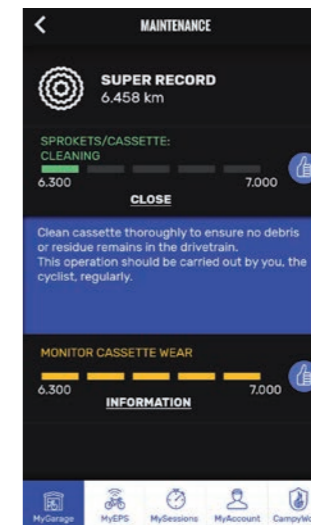
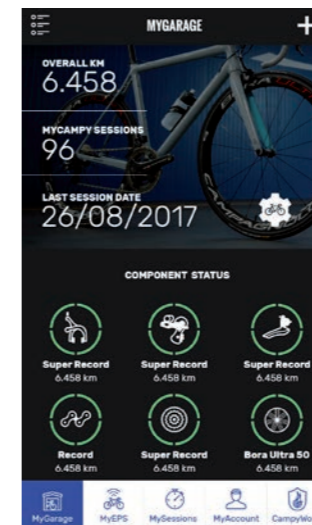
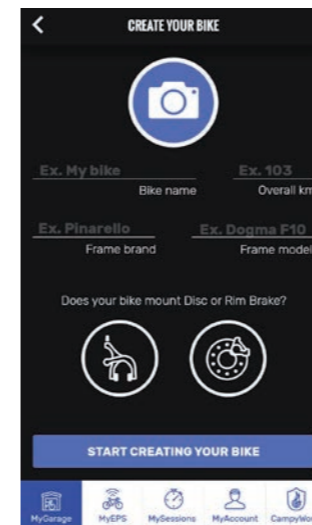
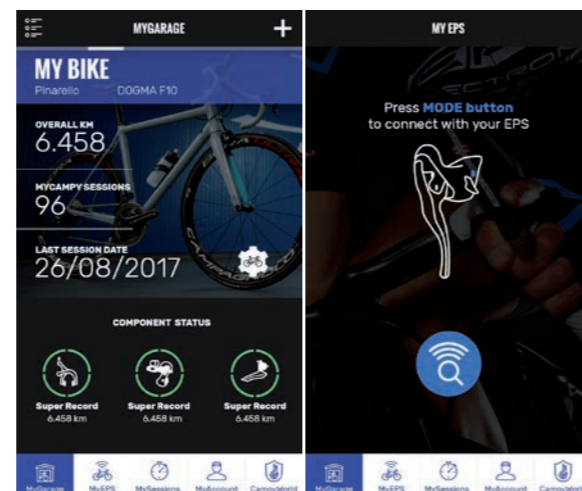
Campagnolo®, throughout its prestigious 80+ year history, has introduced numerous game changing technologies that have seen the greatest champions the world has known to victory. From the invention of the first quick release came the first 8, 9, 10 and 11 speed transmissions, the first complete wheelset, the first tenso-structure wheel and a cornucopia of other products universally lauded for their quality and extreme performance characteristics. With so many fantastic products and unique performance solutions the one thing missing was not a physical component but rather a system that helps the cyclist manage his cycling componentry and certain aspects of his or her cycling in a complete and efficient manner. The new MyCampy™ App seeks to do just that ...and all in the palm of your hand... and all for free!

MyCampy™ App is your do-it-all companion that assists you in managing your cycling activity and cycling kit both in the saddle and off. From keeping track of your entire garage of bikes and the components built on each one to EPS™ performance analytics and complete customization of its performance, the new application is as much your own "neutral support" as well as your personal "Sporting Director" and much more. It allows you to interact in a 360° manner with your cycling "stable" and gain a more complete Campagnolo experience all from the comfort of your smartphone, pc or tablet.

Download MyCampy™ today and experience Campagnolo® like never before.

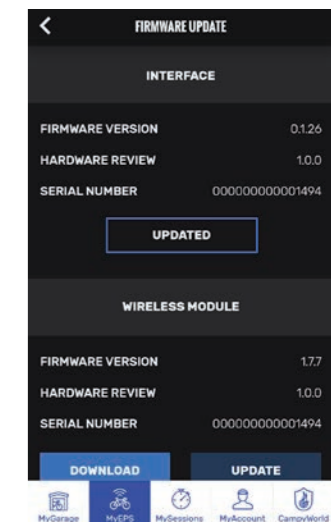
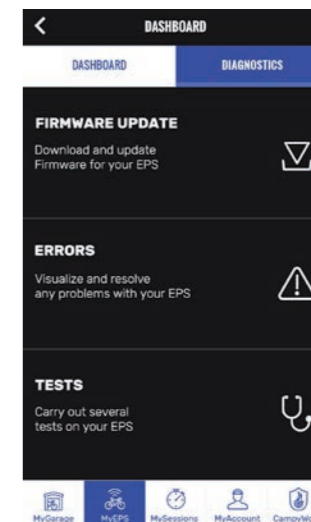
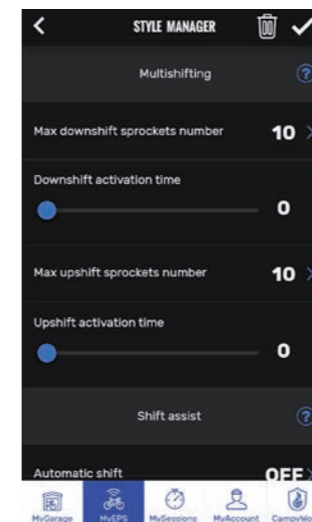
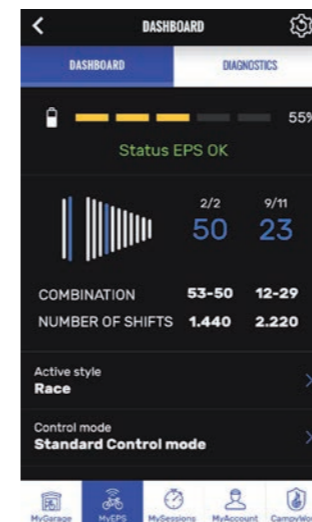


Some of its principal functions include:



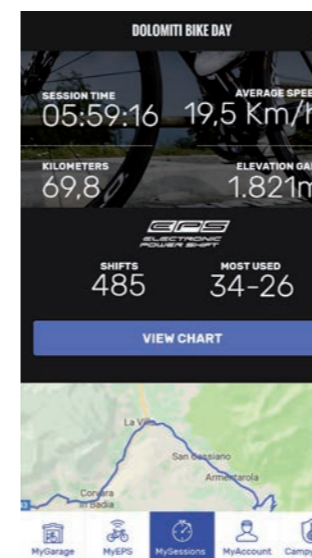
### MyGarage™:

keep a detailed look over all of your cycling equipment, know exactly how many kilometers each and every component, wheel, chain or cassette has done and when it might be time to perform general maintenance to keep things functioning like new.



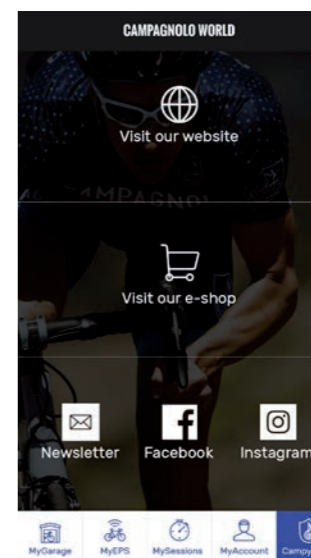
### MyEPS™:

offers the possibility of interacting in a 360° manner with your Campagnolo® electronic drivetrain by connecting wirelessly with your EPS™ groupset in order to: fully customize commands and system performance, instantly download and install new firmware, offer real-time diagnostics for each and every individual EPS™ component.



### MySessions™:

a sophisticated analytical tool that offers a unique look into your performance in addition to how it is affected by your use of components. Track each and every shift, know exactly where when and how you were riding a specific segment in addition to getting tips and suggestions to improve your efficiency on the bike all in conjunction with the innovative wifi capabilities of the V3 EPS™ interface.



### Campagnolo® World:

stay up to date with all of the latest happenings in the world of Campagnolo... race results, new product launches, events etc all in one app.





**Super Record™ EPS™ Disc Brake** represents the pinnacle of modern shifting performance technology. The Campagnolo® H11 Disc Brake project represents perhaps the most sophisticated, silent and reliable braking solution available.

Combine Super Record™ EPS™ and Campagnolo® disk brake technology and you have a solution that offers not only the speed and reliability to leave the competition behind but also the control and safety to do so time and time again.

### SR EPS™ REAR DERAILLEUR

198 g

HIGH TORQUE, HIGH DRIVE RATIO MOTORS - SPECIAL T.I.N.™ TREATMENT - FRONT PLATE AND CAGE IN CARBON FIBRE - MULTI-SHIFTING™ TECHNOLOGY - POSITION SENSOR - UPPER AND LOWER BODY IN MONOLITHIC CARBON POWDER TECHNOLOGY - EXCLUSIVE "UNLOCK SYSTEM™" - 100% WATERPROOF

### SR EPS™ FRONT DERAILLEUR

127 g

SPECIAL CAGE DESIGN - FRONT DERAILLEUR BODY IN MONOLITHIC CARBON TECHNOLOGY - POSITION SENSOR - HIGH TORQUE, HIGH DRIVE RATIO MOTORS - 100% WATERPROOF - CSD™ (CHAIN SECURITY DEVICE)

### DTI™ EPS™ V3 POWER UNIT

106 g

SEATPOST MOUNT COMPATIBLE - SPECIALLY DEVELOPED INTERNAL CASING DESIGNED TO MAKE SYSTEM 100% WATERPROOF - DTI™ DIGITAL TECH INTELLIGENCE - SEAT TUBE/ DOWN TUBE ADAPTOR MOUNT

### DTI™ EPS™ V3 INTERFACE

35 g

DIALOGUE WITH "MYCAMPY" APP: wireless system to communicate with "MyCampy" App by PC / Notebook / Tablet / Smartphone (BTLE), which allows the EPS groupset holder to personalize its own settings - EASY ACCESS TO THE CHARGING PORT - ANALOGUE-DIGITAL SIGNAL CONVERSION - "ZERO SETTING" AND "RIDE SETTING" - LED RGB - TWO POSSIBLE INTERFACE MOUNTING OPTIONS

### RECORD™ CHAIN

238 g

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

### SUPER RECORD™ SPROCKETS

188 g

ULTRA-SHIFT™ TEETH DESIGN - ULTRA-SHIFT™ SYNCHRONIZATION - 6 TITANIUM SPROCKETS - REINFORCED MOUNTS FOR THE TWO TRIPLETS: greater sprocket set rigidity - performance, precision.

NEW

### H11™ CRANKSET

628 g

FULL COMPATIBILITY WITH DISC BRAKE FRAMES - Q FACTOR MAINTAINED AT 145,5 mm - USB™ BEARINGS - ULTRA-TORQUE™ AXLE - NEW CHAINRINGS - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

NEW

### H11™ EPS™ ERGOWPOWER™ C.

396 g

NEW ERGONOMICS OF THE ERGOWPOWER™ BODY - NEW BRAKE LEVER ERGONOMICS - BRAKE LEVER WITH DOUBLE CURVE - AMS™ ADJUSTMENT (ADJUSTABLE MODULATION SYSTEM) - REACH ADJUSTMENT - HYDRAULIC MASTER CYLINDER - BLEEDING PORT ON THE TOP OF THE ERGOWPOWER™ - VARI CUSHION™ HOOD - VERY LOW RESISTANCE OF UPSHIFTING AND DOWNSHIFTING LEVERS - MULTI-DOME TECH ON THE DOWNSHIFTING LEVER

NEW

### CAMPAGNOLO® CALIPER

115 g

FLAT MOUNT STANDARD - AVAILABLE CALIPERS: 160 mm FRONT (123 g PADS INCLUDED), 140 mm AND 160 mm (115 g / 119 g PADS INCLUDED) - 22mm PISTON WIDTH IN EVERY CALIPER - INTEGRATED MAGNETIC SPRING ON PISTON - 0,4 - 0,6 mm ROLL-BACK (RETURN) - PADS WITH WEAR LIMIT INDICATOR - ROUNDED EDGES ON THE PAD - ANTI VIBRATION METAL SHEET - CLEANER BIKE DESIGN - FAST AND SAFE ASSEMBLY

NEW

### CAMPAGNOLO® ROTOR

99 g

COMPATIBLE WITH CL / AFS HUBS - ROUNDED EXTERNAL EDGE - TWO DIMENSIONS AVAILABLE: 140 mm (99 g) AND 160 mm (120 g) - HIGH HEAT RESISTANCE - DIFFERENT QUANTITY OF SPOKES PER EACH DIMENSION - RIVET CONNECTION ENGINEERED TO ATTAIN SAFE DISTANCE BETWEEN ROTOR AND CALIPER, PROMOTING EFFICIENT COOLING UNDER STRESS





When the difference between victory and defeat is measured in millimeters only the most sophisticated, reliable and precise transmission can convert your race day into a winning performance.

**Super Record™ EPS™** with its extremely lightweight yet resistant structure, lightning fast and customizable shifting

performance and industry leading ergonomics has become unsurprisingly the groupset of choice for the most discerning and prestigious riders in professional cycling.

### SR EPS™ REAR DERAILLEUR

198 g

HIGH TORQUE, HIGH DRIVE RATIO MOTORS - SPECIAL T.I.N.™ TREATMENT - FRONT PLATE AND CAGE IN CARBON FIBRE - MULTI-SHIFTING™ TECHNOLOGY - POSITION SENSOR - UPPER AND LOWER BODY IN MONOLITHIC CARBON POWDER TECHNOLOGY - EXCLUSIVE "UNLOCK SYSTEM™" - 100% WATERPROOF

### SR EPS™ FRONT DERAILLEUR

127 g

SPECIAL CAGE DESIGN - FRONT DERAILLEUR BODY IN MONOLITHIC CARBON TECHNOLOGY - POSITION SENSOR - HIGH TORQUE, HIGH DRIVE RATIO MOTORS - 100% WATERPROOF - CSD™ (CHAIN SECURITY DEVICE)

### DTI™ EPS™ V3 POWER UNIT

106 g

SEATPOST MOUNT COMPATIBLE - SPECIALLY DEVELOPED INTERNAL CASING DESIGNED TO MAKE SYSTEM 100% WATERPROOF - DTI™ DIGITAL TECH INTELLIGENCE - SEAT TUBE/ DOWN TUBE ADAPTOR MOUNT

### DTI™ EPS™ V3 INTERFACE

35 g

DIALOGUE WITH "MYCAMPY" APP: wireless system to communicate with "MyCampy" App by PC / Notebook / Tablet / Smartphone (BTLE), which allows the EPS groupset holder to personalize its own settings - EASY ACCESS TO THE CHARGING PORT - ANALOGUE-DIGITAL SIGNAL CONVERSION - "ZERO SETTING" AND "RIDE SETTING" - LED RGB - TWO POSSIBLE INTERFACE MOUNTING OPTIONS

### RECORD™ CHAIN

238 g

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

### SUPER RECORD™ SPROCKETS

188 g

ULTRA-SHIFT™ TEETH DESIGN - ULTRA-SHIFT™ SYNCHRONIZATION - 6 TITANIUM SPROCKETS - REINFORCED MOUNTS FOR THE TWO TRIPLETS: greater sprocket set rigidity - performance, precision.

### SUPER RECORD™ CRANKSET

603 g

ULTRA-TORQUE™ AXLE - TITANIUM AXLE AND REVERSE THREAD TITANIUM FIXING BOLT - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY - CULT™ TECHNOLOGY - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

### SUPER RECORD™ BRAKES

272 g\*

FRONT/REAR DIFFERENTIATED BRAKING - SPECIAL COMPOUND - EXCLUSIVE BRAKE PAD COUPLING/UNCOUPLING SYSTEM - SKELETON BRAKE ARMS - \* Mono/Dual-Pivot Version (pair)

### RECORD™ DIRECT MOUNT BRAKE

158 g\*

CAMPAGNOLO® BRAKE SHOE STANDARD - SKELETON STRUCTURE - FAST ASSEMBLY - FAST ADJUSTMENTS - MAXIMUM COMPATIBILITY: by offering two separate rear brake designs, one specifically for seat stay and one for bottom bracket placement (under BB), there is a guaranteed Campagnolo Direct Mount solution for all aero frames on the market - \* rear brake weight

### SUPER RECORD™ ERGOPOWER™ C.

262 g

**ONE LEVER-ONE ACTION:** each lever of the command set has its own distinct function. This means absolute certainty of using the right control in all conditions (winter temperatures and gloves, poor road conditions etc.), eliminating the risk of error.

**100% WATER-PROOF:** all control components are built to operate in any weather conditions in compliance with the IP67 standard.

**MODE BUTTON:** the "Mode" buttons allow the user to check battery charge, make fine adjustments to the rear or front derailleur - even in the middle of a race (with the "ride setting" procedure), and set the zero position of the rear and front derailleur ("zero setting" procedure).

**E-ERGONOMY™:** the new lower position of the lever 3 ensures easier access from all riding positions allowing the athlete to shift easily from the hoods or the drops.

**MULTI-DOME TECH™:** the 5-dome technology perfected by Campy Tech Lab™ together with Campagnolo® athletes has made it possible to strike the perfect balance between operating force and tactile shift feedback. It also eliminates the possibility of unintentionally shifting the rear or front derailleur.





Advanced and prestigious materials, extremely sophisticated technologies, designed and assembled by the historic experts on cycling transmissions make the **Super Record™** range the pinnacle of all mechanic transmissions. The mechanical version incorporates a cornucopia of performance technology making for unprecedented shifting

performance. The inclusion of H11 disc brake technology likewise offers unprecedented performance in terms of control.

NEW

### SUPER RECORD™ REAR DER.

166 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY REINFORCED WITH CARBON FIBRE - USB™ BEARINGS IN THE LOWER PULLEY WHEEL - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - CARBON FIBER CAGE CONSTRUCTION - FRONT PLATE IN CARBON FIBRE - ALUMINUM FIXING BOLT

### SUPER RECORD™ FRONT DER.

71 g

SPECIAL INNER CAGE DESIGN - OUTER SEMI-CAGE IN MONOCOQUE CARBON - S2 SYSTEM (SECURE SHIFTING SYSTEM) - CSD (CHAIN SECURITY DEVICE) - DERAILLEUR CABLE DEVIATOR INSERT - DERAILLEUR CLAMP: available in 32 mm and 35 mm diameters.

NEW

### SR REAR DERAILLEUR - MEDIUM

179 g

72,5 mm ALUMINUM CAGE TO FIT THE 11-32 CAMPAGNOLO® 11 CASSETTE - NEW UPPER BODY HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY REINFORCED WITH CARBON FIBRE - TRAVEL LIMIT SCREWS POSITIONED ON THE REAR OF THE UPPER BODY - USB™ BEARINGS IN THE LOWER PULLEY WHEEL - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - FRONT PLATE IN CARBON FIBRE - ALUMINUM FIXING BOLT

### RECORD™ CHAIN

238 g

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

### SUPER RECORD™ SPROCKETS

188 g

ULTRA-SHIFT™ TEETH DESIGN - ULTRA-SHIFT™ SYNCHRONIZATION - 6 TITANIUM SPROCKETS - REINFORCED MOUNTS FOR THE TWO TRIPLETS: greater sprocket set rigidity - performance, precision.

NEW

### H11™ CRANKSET

628 g

FULL COMPATIBILITY WITH DISC BRAKE FRAMES - Q FACTOR MAINTAINED AT 145,5 mm - USB™ BEARINGS - ULTRA-TORQUE™ AXLE - NEW CHAINRINGS - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

NEW

### H11™ ERGOPOWER™ CONTROLS

462 g

NEW ERGONOMICS OF THE ERGOPOWER™ BODY - NEW BRAKE LEVER ERGONOMICS - BRAKE LEVER WITH DOUBLE CURVE - AMS™ ADJUSTMENT (ADJUSTABLE MODULATION SYSTEM) - REACH ADJUSTMENT - HYDRAULIC MASTER CYLINDER - BLEEDING PORT ON THE TOP OF THE ERGOPOWER™ - ONE LEVER ONE ACTION - VARI-CUSHION™ BRAKE LEVER HOODS WITH VARIABLE DENSITY AND SURFACE FINISHES - ULTRA-SHIFT™ FUNCTION ALLOWS FOR MULTIPLE SHIFTING AND GREATER CONTROL FOR RACING - DERAILLEUR CABLE ADJUSTING BARREL

NEW

### CAMPAGNOLO® CALIPER

115 g

FLAT MOUNT STANDARD - AVAILABLE CALIPERS: 160 mm FRONT (123 g PADS INCLUDED), 140 mm AND 160 mm (115 g / 119 g PADS INCLUDED) - 22mm PISTON WIDTH IN EVERY CALIPER - INTEGRATED MAGNETIC SPRING ON PISTON - 0,4 - 0,6 mm ROLL-BACK (RETURN) - PADS WITH WEAR LIMIT INDICATOR - ROUNDED EDGES ON THE PAD - ANTI VIBRATION METAL SHEET - CLEANER BIKE DESIGN - FAST AND SAFE ASSEMBLY

NEW

### CAMPAGNOLO® ROTOR

99 g

COMPATIBLE WITH CL / AFS HUBS - ROUNDED EXTERNAL EDGE - TWO DIMENSIONS AVAILABLE: 140 mm (99 g) AND 160 mm (120 g) - HIGH HEAT RESISTANCE - DIFFERENT QUANTITY OF SPOKES PER EACH DIMENSION - RIVET CONNECTION ENGINEERED TO ATTAIN SAFE DISTANCE BETWEEN ROTOR AND CALIPER, PROMOTING EFFICIENT COOLING UNDER STRESS





The **Super Record™ Rim Brake** groupset is the advantage that even the top professionals rely upon for performance gains, reliability and precision in an extremely lightweight yet very durable package.

The Super Record™ name is applied to the very pinnacle of Campagnolo® innovation and the technologies, materials and craftsmanship with which the groupset is built put it in a category of its own: Super Group.

NEW

### SUPER RECORD™ REAR DER. 166 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY POLYMER REINFORCED WITH CARBON FIBRE - USB™ BEARINGS IN THE LOWER PULLEY WHEEL - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - CARBON FIBER CAGE CONSTRUCTION - FRONT PLATE IN CARBON FIBRE - ALUMINUM FIXING BOLT

NEW

### SR REAR DERAILLEUR - MEDIUM 179 g

72,5 mm ALUMINUM CAGE TO FIT THE 11-32 CAMPAGNOLO® 11 CASSETTE - NEW UPPER BODY HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY POLYMER REINFORCED WITH CARBON FIBRE - TRAVEL LIMIT SCREWS POSITIONED ON THE REAR OF THE UPPER BODY - USB™ BEARINGS IN THE LOWER PULLEY WHEEL - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - FRONT PLATE IN CARBON FIBRE - ALUMINUM FIXING BOLT

### SUPER RECORD™ FRONT DER. 71 g

SPECIAL INNER CAGE DESIGN - OUTER SEMI-CAGE IN MONOCOQUE CARBON - S2 SYSTEM (SECURE SHIFTING SYSTEM) - CSD (CHAIN SECURITY DEVICE) - DERAILLEUR CABLE DEVIATOR INSERT - DERAILLEUR CLAMP: available in 32 mm and 35 mm diameters.

### RECORD™ CHAIN 238 g

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

### SUPER RECORD™ SPROCKETS 188 g

ULTRA-SHIFT™ TEETH DESIGN - ULTRA-SHIFT™ SYNCHRONIZATION - 6 TITANIUM SPROCKETS - REINFORCED MOUNTS FOR THE TWO TRIPLETS: greater sprocket set rigidity - performance, precision.

### SUPER RECORD™ CRANKSET 603 g

ULTRA-TORQUE™ AXLE - TITANIUM AXLE AND REVERSE THREAD TITANIUM FIXING BOLT - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY - CULT™ TECHNOLOGY - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

### SUPER RECORD™ BRAKES 272 g\*

FRONT/REAR DIFFERENTIATED BRAKING - SPECIAL COMPOUND - EXCLUSIVE BRAKE PAD COUPLING/UNCOUPLING SYSTEM - SKELETON BRAKE ARMS - \* Mono/Dual-Pivot Version (pair)

### RECORD™ DIRECT MOUNT BRAKE 158 g\*

CAMPAGNOLO® BRAKE SHOE STANDARD - SKELETON STRUCTURE - FAST ASSEMBLY - FAST ADJUSTMENTS - MAXIMUM COMPATIBILITY: by offering two separate rear brake designs, one specifically for seat stay and one for bottom bracket placement (under BB), there is a guaranteed Campagnolo Direct Mount solution for all aero frames on the market - \* rear brake weight

### SUPER RECORD™ ERGOPOWER™ C. 342 g

ULTRA-SHIFT™ ERGONOMICS: safe grip on handlebars in all positions and faster, more precise command on levers.  
 VARI-CUSHION™ BRAKE LEVER HOODS WITH VARIABLE DENSITY AND SURFACE FINISHES: natural silicone material with differentiated areas to follow the grip of the 1st and 2nd finger. The grooved areas drain away water, keeping the brake lever hoods dry and improving grip. Internal weave to create a variable thickness that guarantees maximum comfort.  
 ULTRA-SHIFT™ FUNCTION ALLOWS FOR MULTIPLE SHIFTING AND GREATER CONTROL FOR RACING: Campagnolo® offers the only mechanical groupset available with the capability of shifting multiple gears (up to 5 sprockets). Multishifting allows the rider to react immediately to rapid changes in the course or necessary gearing.  
 DERAILLEUR CABLE ADJUSTING BARREL: enables the tension of the derailleur cable to be adjusted perfectly, slashing adjustment time.  
 DOUBLE CURVATURE BRAKE LEVER: allows you to engage and modulate the brake safely from any hand position.





The **Campagnolo® Record™** transmission has a legacy of quality and extremely precise functionality and the name can only be applied to groupsets capable of offering a performance that lives up to its prestigious name.

The latest electronic version with wireless connectivity maintains this prestigious legacy well and when coupled with H11 disc brake components it adds unparalleled, reliable and customizable control with no compromise.

### RECORD™ EPS™ REAR DERAILLEUR 203 g

HIGH TORQUE, HIGH DRIVE RATIO MOTORS - FRONT PLATE AND CAGE IN CARBON FIBRE - MULTI-SHIFTING™ TECHNOLOGY - SPECIAL T.I.N.™ TREATMENT - POSITION SENSOR - UPPER AND LOWER BODY IN MONOLITHIC CARBON POWDER TECHNOLYMER - EXCLUSIVE "UNLOCK SYSTEM™" - 100% WATERPROOF

### RECORD™ EPS™ FRONT DER. 133 g

SPECIAL DESIGN FOR THE INNER SEMI-CAGE IN ALUMINUM - FRONT DERAILLEUR BODY IN MONOLITHIC CARBON TECHNOLYMER - POSITION SENSOR - HIGH TORQUE, HIGH DRIVE RATIO MOTORS - HIGH TORQUE, HIGH DRIVE RATIO MOTORS - 100% WATERPROOF - CSD™ (CHAIN SECURITY DEVICE)

### DTI™ EPS™ V3 POWER UNIT 106 g

SEATPOST MOUNT COMPATIBLE - SPECIALLY DEVELOPED INTERNAL CASING DESIGNED TO MAKE SYSTEM 100% WATERPROOF - DTI™ DIGITAL TECH INTELLIGENCE - SEAT TUBE/ DOWN TUBE ADAPTOR MOUNT

### DTI™ EPS™ V3 INTERFACE 35 g

DIALOGUE WITH "MYCAMPY" APP: wireless system to communicate with "MyCampy" App by PC / Notebook / Tablet / Smartphone (BTLE), which allows the EPS groupset holder to personalize its own settings - EASY ACCESS TO THE CHARGING PORT - ANALOGUE-DIGITAL SIGNAL CONVERSION - "ZERO SETTING" AND "RIDE SETTING" - LED RGB - TWO POSSIBLE INTERFACE MOUNTING OPTIONS

### RECORD™ CHAIN 238 g

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

### RECORD™ SPROCKETS 211 g

ULTRA-SHIFT™ TEETH DESIGN - ULTRA-SHIFT™ SYNCHRONIZATION - 3 TITANIUM SPROCKETS - REINFORCED MOUNTS FOR THE TWO TRIPLETS: greater sprocket set rigidity - performance, precision.

**NEW**

### H11™ CRANKSET 628 g

FULL COMPATIBILITY WITH DISC BRAKE FRAMES - Q FACTOR MAINTAINED AT 145,5 mm - USB™ BEARINGS - ULTRA-TORQUE™ AXLE - NEW CHAINRINGS - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

**NEW**

### H11™ EPS™ ERGOWPOWER™ C. 396 g

NEW ERGONOMICS OF THE ERGOWPOWER™ BODY - NEW BRAKE LEVER ERGONOMICS - BRAKE LEVER WITH DOUBLE CURVE - AMS™ ADJUSTMENT (ADJUSTABLE MODULATION SYSTEM) - REACH ADJUSTMENT - HYDRAULIC MASTER CYLINDER - BLEEDING PORT ON THE TOP OF THE ERGOWPOWER™ - VARI CUSHION™ HOOD - VERY LOW RESISTANCE OF UPSHIFTING AND DOWNSHIFTING LEVERS - MULTI-DOME TECH ON THE DOWNSHIFTING LEVER

**NEW**

### CAMPAGNOLO® CALIPER 115 g

FLAT MOUNT STANDARD - AVAILABLE CALIPERS: 160 mm FRONT (123 g PADS INCLUDED), 140 mm AND 160 mm (115 g / 119 g PADS INCLUDED) - 22mm PISTON WIDTH IN EVERY CALIPER - INTEGRATED MAGNETIC SPRING ON PISTON - 0,4 - 0,6 mm ROLL-BACK (RETURN) - PADS WITH WEAR LIMIT INDICATOR - ROUNDED EDGES ON THE PAD - ANTI VIBRATION METAL SHEET - CLEANER BIKE DESIGN - FAST AND SAFE ASSEMBLY

**NEW**

### CAMPAGNOLO® ROTOR 99 g

COMPATIBLE WITH CL / AFS HUBS - ROUNDED EXTERNAL EDGE - TWO DIMENSIONS AVAILABLE: 140 mm (99 g) AND 160 mm (120 g) - HIGH HEAT RESISTANCE - DIFFERENT QUANTITY OF SPOKES PER EACH DIMENSION - RIVET CONNECTION ENGINEERED TO ATTAIN SAFE DISTANCE BETWEEN ROTOR AND CALIPER, PROMOTING EFFICIENT COOLING UNDER STRESS





The electronic version of the professional grade **Record™** groupset offers performance and lightweight construction worthy of even the most demanding pro rider.

Lazer-like precision single or multi-shifting in the blink of an eye is available with the slightest touch of the groupset's customizable levers. New personal records are within reach with **Campagnolo® Record™ EPS™**.

### RECORD™ EPS™ REAR DERAILLEUR 203 g

HIGH TORQUE, HIGH DRIVE RATIO MOTORS - FRONT PLATE AND CAGE IN CARBON FIBRE - MULTI-SHIFTING™ TECHNOLOGY - SPECIAL T.I.N.™ TREATMENT - POSITION SENSOR - UPPER AND LOWER BODY IN MONOLITHIC CARBON POWDER TECHNOLYMER - EXCLUSIVE "UNLOCK SYSTEM™" - 100% WATERPROOF

### RECORD™ EPS™ FRONT DER. 133 g

SPECIAL DESIGN FOR THE INNER SEMI-CAGE IN ALUMINUM - FRONT DERAILLEUR BODY IN MONOLITHIC CARBON TECHNOLYMER - POSITION SENSOR - HIGH TORQUE, HIGH DRIVE RATIO MOTORS - HIGH TORQUE, HIGH DRIVE RATIO MOTORS - 100% WATERPROOF - CSD™ (CHAIN SECURITY DEVICE)

### DTI™ EPS™ V3 POWER UNIT 106 g

SEATPOST MOUNT COMPATIBLE - SPECIALLY DEVELOPED INTERNAL CASING DESIGNED TO MAKE SYSTEM 100% WATERPROOF - DTI™ DIGITAL TECH INTELLIGENCE - SEAT TUBE/ DOWN TUBE ADAPTOR MOUNT

### DTI™ EPS™ V3 INTERFACE 35 g

DIALOGUE WITH "MYCAMPY" APP: wireless system to communicate with "MyCampy" App by PC / Notebook / Tablet / Smartphone (BTLE), which allows the EPS groupset holder to personalize its own settings - EASY ACCESS TO THE CHARGING PORT - ANALOGUE-DIGITAL SIGNAL CONVERSION - "ZERO SETTING" AND "RIDE SETTING" - LED RGB - TWO POSSIBLE INTERFACE MOUNTING OPTIONS

### RECORD™ CHAIN 238 g

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

### RECORD™ SPROCKETS 211 g

ULTRA-SHIFT™ TEETH DESIGN - ULTRA-SHIFT™ SYNCHRONIZATION - 3 TITANIUM SPROCKETS - REINFORCED MOUNTS FOR THE TWO TRIPLETS: greater sprocket set rigidity - performance, precision.

### RECORD™ CRANKSET 651 g

ULTRA-TORQUE™ AXLE - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY - USB™ TECHNOLOGY: USB™ ceramic ball bearings reduce friction, guaranteeing the maximum smoothness - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

### RECORD™ BRAKES 293 g\*

FRONT/REAR DIFFERENTIATED BRAKING - SPECIAL COMPOUND - EXCLUSIVE BRAKE PAD COUPLING/UNCOUPLING SYSTEM - SKELETON BRAKE ARMS - \* Mono/Dual-Pivot Version (pair)

### RECORD™ DIRECT MOUNT BRAKE 158 g\*

CAMPAGNOLO® BRAKE SHOE STANDARD - SKELETON STRUCTURE - FAST ASSEMBLY - FAST ADJUSTMENTS - MAXIMUM COMPATIBILITY: by offering two separate rear brake designs, one specifically for seat stay and one for bottom bracket placement (under BB), there is a guaranteed Campagnolo Direct Mount solution for all aero frames on the market - \* rear brake weight

### RECORD™ EPS™ ERGOPOWER™ C. 266 g

**ONE LEVER-ONE ACTION:** each lever of the command set has its own distinct function. This means absolute certainty of using the right control in all conditions (winter temperatures and gloves, poor road conditions etc.), eliminating the risk of error.  
**100% WATER-PROOF:** all control components are built to operate in any weather conditions in compliance with the IP67 standard.  
**MODE BUTTON:** the "Mode" buttons allow the user to check battery charge, make fine adjustments to the rear or front derailleur - even in the middle of a race (with the "ride setting" procedure), and set the zero position of the rear and front derailleur ("zero setting" procedure).  
**E-ERGONOMY™:** the new lower position of the lever 3 ensures easier access from all riding positions allowing the athlete to shift easily from the hoods or the drops.  
**MULTI-DOME TECH™:** the 5-dome technology perfected by Campy Tech Lab™ together with Campagnolo® athletes has made it possible to strike the perfect balance between operating force and tactile shift feedback. It also eliminates the possibility of unintentionally shifting the rear or front derailleur.





The **Record™** name has been synonymous with victory since its introduction and has introduced countless technological advancements throughout its history. The latest version offers a mechanical transmission that takes

shifting to a new level while incorporating H11 disc brake specific construction that sets a new performance and reliability standard above and beyond anything available.

NEW

### RECORD™ REAR DERAILLEUR 170 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY REINFORCED WITH CARBON FIBRE - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - CARBON FIBRE CAGE CONSTRUCTION - FRONT PLATE IN CARBON FIBRE - LOWER BODY IN MONOLITHIC TECHNOLOGY WITH CARBON ELEMENTS - ALUMINUM FIXING BOLT

NEW

### RECORD™ REAR DER. - MEDIUM 184 g

72,5 mm ALUMINUM CAGE TO FIT THE 11-32 CAMPAGNOLO 11 CASSETTE - NEW UPPER BODY HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY REINFORCED WITH CARBON FIBRE - TRAVEL LIMIT SCREWS POSITIONED ON THE REAR OF THE UPPER BODY - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - FRONT PLATE IN CARBON FIBRE - LOWER BODY IN MONOLITHIC TECHNOLOGY WITH CARBON ELEMENTS - ALUMINUM FIXING BOLT

### RECORD™ FRONT DERAILLEUR 75 g

SPECIAL INNER CAGE DESIGN - OUTER SEMI-CAGE IN MONOCOQUE CARBON - S2 SYSTEM (SECURE SHIFTING SYSTEM) - CSD (CHAIN SECURITY DEVICE) - DERAILLEUR CABLE DEVIATOR INSERT - DERAILLEUR CLAMP: available in 32 mm and 35 mm diameters.

### RECORD™ CHAIN 238 g

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

### RECORD™ SPROCKETS 211 g

ULTRA-SHIFT™ TEETH DESIGN - ULTRA-SHIFT™ SYNCHRONIZATION - 3 TITANIUM SPROCKETS - REINFORCED MOUNTS FOR THE TWO TRIPLETS: greater sprocket set rigidity - performance, precision.

NEW

### H11™ CRANKSET 628 g

FULL COMPATIBILITY WITH DISC BRAKE FRAMES - Q FACTOR MAINTAINED AT 145,5 mm - USB™ BEARINGS - ULTRA-TORQUE™ AXLE - NEW CHAINRINGS - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

NEW

### H11™ ERGOPOWER™ CONTROLS 462 g

NEW ERGONOMICS OF THE ERGOPOWER™ BODY - NEW BRAKE LEVER ERGONOMICS - BRAKE LEVER WITH DOUBLE CURVE - AMS™ ADJUSTMENT (ADJUSTABLE MODULATION SYSTEM) - REACH ADJUSTMENT - HYDRAULIC MASTER CYLINDER - BLEEDING PORT ON THE TOP OF THE ERGOPOWER™ - ONE LEVER ONE ACTION - VARI-CUSHION™ BRAKE LEVER HOODS WITH VARIABLE DENSITY AND SURFACE FINISHES - ULTRA-SHIFT™ FUNCTION ALLOWS FOR MULTIPLE SHIFTING AND GREATER CONTROL FOR RACING - DERAILLEUR CABLE ADJUSTING BARREL

NEW

### CAMPAGNOLO® CALIPER 115 g

FLAT MOUNT STANDARD - AVAILABLE CALIPERS: 160 mm FRONT (123 g PADS INCLUDED), 140 mm AND 160 mm (115 g / 119 g PADS INCLUDED) - 22mm PISTON WIDTH IN EVERY CALIPER - INTEGRATED MAGNETIC SPRING ON PISTON - 0,4 - 0,6 mm ROLL-BACK (RETURN) - PADS WITH WEAR LIMIT INDICATOR - ROUNDED EDGES ON THE PAD - ANTI VIBRATION METAL SHEET - CLEANER BIKE DESIGN - FAST AND SAFE ASSEMBLY

NEW

### CAMPAGNOLO® ROTOR 99 g

COMPATIBLE WITH CL / AFS HUBS - ROUNDED EXTERNAL EDGE - TWO DIMENSIONS AVAILABLE: 140 mm (99 g) AND 160 mm (120 g) - HIGH HEAT RESISTANCE - DIFFERENT QUANTITY OF SPOKES PER EACH DIMENSION - RIVET CONNECTION ENGINEERED TO ATTAIN SAFE DISTANCE BETWEEN ROTOR AND CALIPER, PROMOTING EFFICIENT COOLING UNDER STRESS





The **Campagnolo® Record™** name has been associated with great success in both professional and amateur races the world over. These victories are a testament to the extreme quality of craftsmanship, technology and fine materials involved in its construction.

NEW

### RECORD™ REAR DERAILLEUR 170 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY POLYMER REINFORCED WITH CARBON FIBRE - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - CARBON FIBRE CAGE CONSTRUCTION - FRONT PLATE IN CARBON FIBRE - LOWER BODY IN MONOLITHIC TECHNOLOGY POLYMER WITH CARBON ELEMENTS - ALUMINUM FIXING BOLT

NEW

### RECORD™ REAR DER. - MEDIUM 184 g

72,5 mm ALUMINUM CAGE TO FIT THE 11-32 CAMPAGNOLO 11 CASSETTE - NEW UPPER BODY HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY POLYMER REINFORCED WITH CARBON FIBRE - TRAVEL LIMIT SCREWS POSITIONED ON THE REAR OF THE UPPER BODY - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - FRONT PLATE IN CARBON FIBRE - LOWER BODY IN MONOLITHIC TECHNOLOGY POLYMER WITH CARBON ELEMENTS - ALUMINUM FIXING BOLT

### RECORD™ FRONT DERAILLEUR 75 g

SPECIAL INNER CAGE DESIGN - OUTER SEMI-CAGE IN MONOCOQUE CARBON - S2 SYSTEM (SECURE SHIFTING SYSTEM) - CSD (CHAIN SECURITY DEVICE) - DERAILLEUR CABLE DEVIATOR INSERT - DERAILLEUR CLAMP: available in 32 mm and 35 mm diameters.

### RECORD™ CHAIN 238 g

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

### RECORD™ SPROCKETS 211 g

ULTRA-SHIFT™ TEETH DESIGN - ULTRA-SHIFT™ SYNCHRONIZATION - 3 TITANIUM SPROCKETS - REINFORCED MOUNTS FOR THE TWO TRIPLETS: greater sprocket set rigidity - performance, precision.



When riding Record™ you can be sure that victory will be within your reach and Campagnolo® quality in your hands.

### RECORD™ CRANKSET 651 g

ULTRA-TORQUE™ AXLE - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY - USB™ TECHNOLOGY: USB™ ceramic ball bearings reduce friction, guaranteeing the maximum smoothness - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

### RECORD™ BRAKES 293 g\*

FRONT/REAR DIFFERENTIATED BRAKING - SPECIAL COMPOUND - EXCLUSIVE BRAKE PAD COUPLING/UNCOUPLING SYSTEM - SKELETON BRAKE ARMS - \* Mono/Dual-Pivot Version (pair)

### RECORD™ DIRECT MOUNT BRAKE 158 g\*

CAMPAGNOLO® BRAKE SHOE STANDARD - SKELETON STRUCTURE - FAST ASSEMBLY - FAST ADJUSTMENTS - MAXIMUM COMPATIBILITY: by offering two separate rear brake designs, one specifically for seat stay and one for bottom bracket placement (under BB), there is a guaranteed Campagnolo Direct Mount solution for all aero frames on the market - \* rear brake weight

### RECORD™ ERGOPOWER™ C. 348 g

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

VARI CUSHION™ BRAKE LEVER HOODS WITH VARIABLE DENSITY AND SURFACE FINISHES: natural silicone material with differentiated areas to follow the grip of the 1st and 2nd finger. The grooved areas drain away water, keeping the brake lever hoods dry and improving grip. Internal weave to create a variable thickness that guarantees maximum comfort. ULTRA-SHIFT™ FUNCTION ALLOWS FOR MULTIPLE SHIFTING AND GREATER CONTROL FOR RACING: Campagnolo® offers the only mechanical groupset available with the capability of shifting multiple gears (up to 5 sprockets). Multishifting allows the rider to react immediately to rapid changes in the course or necessary gearing. DERAILLEUR CABLE ADJUSTING BARREL: enables the tension of the derailleur cable to be adjusted perfectly, slashing adjustment time. DOUBLE CURVATURE BRAKE LEVER: allows you to engage and modulate the brake safely from any hand position.





The **Chorus™** groupset has always had its central focus on offering World Tour performance to a wider audience and the electronic version of this universally lauded transmission adheres to this lofty mission.

By varying only slightly the materials used in its construction the **Chorus™ EPS™** is able to offer the same long lasting and reliable race winning performance as its higher tier brethren.

### CHORUS™ EPS™ REAR DERAILLEUR 225 g

HIGH TORQUE, HIGH DRIVE RATIO MOTORS - FRONT PLATE AND CAGE IN ALUMINUM - MULTI-SHIFTING™ TECHNOLOGY - SPECIAL T.I.N.™ TREATMENT - POSITION SENSOR - UPPER AND LOWER BODY IN MONOLITHIC CARBON POWDER TECHNOLYMER - EXCLUSIVE "UNLOCK SYSTEM™" - 100% WATERPROOF

### CHORUS™ EPS™ FRONT DER. 149 g

HIGH TORQUE, HIGH DRIVE RATIO MOTORS - FRONT DERAILLEUR BODY IN MONOLITHIC CARBON TECHNOLYMER - POSITION SENSOR - SPECIAL INTERNAL AND EXTERNAL DERAILLER CAGE DESIGN - 100% WATERPROOF - CSD™ (CHAIN SECURITY DEVICE)

### DTI™ EPS™ V2 POWER UNIT 130 g

SPECIALLY DEVELOPED INTERNAL CASING DESIGNED TO ABSORB ROAD VIBRATIONS AND IMPACT - DTI™ DIGITAL TECH INTELLIGENCE - INPUT/OUTPUT GATES - EXTERNAL OR INTERNAL MOUNTING - CASING WITH ULTRASONICALLY WELDED SEAMS - ADAPTER FOR POSITIONING INSIDE SEAT POST

### DTI™ EPS™ V2 INTERFACE 24 g

ANALOGUE-DIGITAL SIGNAL CONVERSION - "ZERO SETTING" AND "RIDE SETTING": used to set the initial configuration of the components and make fine adjustments during a race LED: visualises battery charge status. The unit also checks for system faults, warning the user when necessary via an RGB LED.

### CHORUS™ CHAIN 259 g

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

### CHORUS™ SPROCKETS 247 g

ULTRA-SHIFT™ TEETH DESIGN- ULTRA-SHIFT™ SYNCHRONIZATION: the sprocket tuning allows for maximum shifting performance without hesitation: fast, precise and quiet, even under stress - REINFORCED MOUNTS FOR AT THE TWO TRIPLETS: greater sprocket set rigidity - performance, precision.

### CHORUS™ EPS™ ERGOPOWER™ C. 293 g

**ONE LEVER-ONE ACTION:** each lever of the command set has its own distinct function. This means absolute certainty of using the right control in all conditions (winter temperatures and gloves, poor road conditions etc.), eliminating the risk of error.

**100% WATER-PROOF:** all control components are built to operate in any weather conditions in compliance with the IP67 standard.

**MODE BUTTON:** the "Mode" buttons allow the user to check battery charge, make fine adjustments to the rear or front derailleur - even in the middle of a race (with the "ride setting" procedure), and set the zero position of the rear and front derailleur ("zero setting" procedure).

**E-ERGONOMY™:** the new lower position of the lever 3 ensures easier access from all riding positions allowing the athlete to shift easily from the hoods or the drops.

**MULTI-DOME TECH™:** the 5-dome technology perfected by Campy Tech Lab™ together with Campagnolo® athletes has made it possible to strike the perfect balance between operating force and tactile shift feedback. It also eliminates the possibility of unintentionally shifting the rear or front derailleur.

### CHORUS™ CRANKSET 686 g\*

ULTRA-TORQUE™ AXLE - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW RIGHT CRANK AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY: reduced weight of stress - free sections, improved crank set weight to stiffness ratio - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

### CHORUS™ BRAKES 302 g\*

SKELETON BRAKE ARMS: no-bend arms, modularity, reduced weight - SPECIAL COMPOUND - EXCLUSIVE BRAKE PAD COUPLING/UNCOUPLING SYSTEM: fast and secure brake pad replacement - \* Dual pivot front/rear

### DIRECT™ DIRECT MOUNT BRAKE 183 g\*

UNIVERSAL BRAKE SHOE - AERODYNAMIC DESIGN: the solid structure of the front and rear brake shoe levers allows for highly aerodynamic performance - FAST ASSEMBLY - FAST ADJUSTMENTS: screws oriented in a direction that allows for the fastest adjustment while guaranteeing easy access to adjustment screws - \* one brake weight





With only a slight compromise in the form of a few extra grams the **Chorus™** mechanical groupset offers World Tour performance that is as reliable and flawless as the first day even after multiple seasons of racing and training.

Couple that fantastic transmission performance with the powerful, modular and customizable H11 disc brakes, perhaps the quietest available, and the only “Chorus” you will hear is that of the crowd cheering your victory.

NEW

### CHORUS™ REAR DERAILLEUR 183 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY POLYMER REINFORCED WITH CARBON FIBRE - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - ALUMINUM CAGE - FRONT PLATE IN CARBON FIBRE - LOWER BODY IN MONOLITHIC TECHNOLOGY POLYMER WITH CARBON ELEMENTS - ALUMINUM FIXING BOLT

NEW

### CHORUS™ REAR DER. - MEDIUM 185 g

72,5 mm ALUMINUM CAGE TO FIT THE 11-32 CAMPAGNOLO 11 CASSETTE - NEW UPPER BODY HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY POLYMER REINFORCED WITH CARBON FIBRE - TRAVEL LIMIT SCREWS POSITIONED ON THE REAR OF THE UPPER BODY - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - FRONT PLATE IN CARBON FIBRE - LOWER BODY IN MONOLITHIC TECHNOLOGY POLYMER WITH CARBON ELEMENTS - ALUMINUM FIXING BOLT

### CHORUS™ FRONT DERAILLEUR 76 g

SPECIAL INNER CAGE DESIGN: greater rigidity, faster shifting, more space for the chain crossovers - CAGE IN LIGHT MOLDED ALLOY - S2 SYSTEM (SECURE SHIFTING SYSTEM) - CSD (CHAIN SECURITY DEVICE) - DERAILLEUR CABLE DEVIATOR INSERT - DERAILLEUR CLAMP: available in 32 mm and 35 mm diameters.

### CHORUS™ CHAIN 259 g

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

### CHORUS™ SPROCKETS 247 g

ULTRA-SHIFT™ TEETH DESIGN- ULTRA-SHIFT™ SYNCHRONIZATION: the sprocket tuning allows for maximum shifting performance without hesitation: fast, precise and quiet, even under stress - REINFORCED MOUNTS FOR AT THE TWO TRIPLET: greater sprocket set rigidity - performance, precision.

NEW

### H11™ CRANKSET 628 g

FULL COMPATIBILITY WITH DISC BRAKE FRAMES - Q FACTOR MAINTAINED AT 145,5 mm - USB™ BEARINGS - ULTRA-TORQUE™ AXLE - NEW CHAINRINGS - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW CRANKS AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

NEW

### H11™ ERGOPOWER™ CONTROLS 462 g

NEW ERGONOMICS OF THE ERGOPOWER™ BODY - NEW BRAKE LEVER ERGONOMICS - BRAKE LEVER WITH DOUBLE CURVE - AMS™ ADJUSTMENT (ADJUSTABLE MODULATION SYSTEM) - REACH ADJUSTMENT - HYDRAULIC MASTER CYLINDER - BLEEDING PORT ON THE TOP OF THE ERGOPOWER™ - ONE LEVER ONE ACTION - VARI-CUSHION™ BRAKE LEVER HOODS WITH VARIABLE DENSITY AND SURFACE FINISHES - ULTRA-SHIFT™ FUNCTION ALLOWS FOR MULTIPLE SHIFTING AND GREATER CONTROL FOR RACING - DERAILLEUR CABLE ADJUSTING BARREL

NEW

### CAMPAGNOLO® CALIPER 115 g

FLAT MOUNT STANDARD - AVAILABLE CALIPERS: 160 mm FRONT (123 g PADS INCLUDED), 140 mm AND 160 mm (115 g / 119 g PADS INCLUDED) - 22mm PISTON WIDTH IN EVERY CALIPER - INTEGRATED MAGNETIC SPRING ON PISTON - 0,4 - 0,6 mm ROLL-BACK (RETURN) - PADS WITH WEAR LIMIT INDICATOR - ROUNDED EDGES ON THE PAD - ANTI VIBRATION METAL SHEET - CLEANER BIKE DESIGN - FAST AND SAFE ASSEMBLY

NEW

### CAMPAGNOLO® ROTOR 99 g

COMPATIBLE WITH CL / AFS HUBS - ROUNDED EXTERNAL EDGE - TWO DIMENSIONS AVAILABLE: 140 mm (99 g) AND 160 mm (120 g) - HIGH HEAT RESISTANCE - DIFFERENT QUANTITY OF SPOKES PER EACH DIMENSION - RIVET CONNECTION ENGINEERED TO ATTAIN SAFE DISTANCE BETWEEN ROTOR AND CALIPER, PROMOTING EFFICIENT COOLING UNDER STRESS





World Tour performance without the need of a professional team's budget, the **Campagnolo® Chorus™** groupset is perhaps the first step towards pedaling like the pros.

Sophisticated materials, extreme precision, Italian design and Campagnolo® authenticity make this groupset a fantastic choice towards building up a true racing machine.

NEW

### CHORUS™ REAR DERAILLEUR 183 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY POLYMER REINFORCED WITH CARBON FIBRE - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - ALUMINUM CAGE - FRONT PLATE IN CARBON FIBRE - LOWER BODY IN MONOLITHIC TECHNOLOGY POLYMER WITH CARBON ELEMENTS - ALUMINUM FIXING BOLT

NEW

### CHORUS™ REAR DER. - MEDIUM 185 g

72,5 mm ALUMINUM CAGE TO FIT THE 11-32 CAMPAGNOLO 11 CASSETTE - NEW UPPER BODY HO (HYDRAULIC OPTIMIZATION) GEOMETRY IN ULTRA-LIGHT TECHNOLOGY POLYMER REINFORCED WITH CARBON FIBRE - TRAVEL LIMIT SCREWS POSITIONED ON THE REAR OF THE UPPER BODY - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - FRONT PLATE IN CARBON FIBRE - LOWER BODY IN MONOLITHIC TECHNOLOGY POLYMER WITH CARBON ELEMENTS - ALUMINUM FIXING BOLT

### CHORUS™ FRONT DERAILLEUR 76 g

SPECIAL INNER CAGE DESIGN - CAGE IN LIGHT MOLDED ALLOY - S2 SYSTEM (SECURE SHIFTING SYSTEM) - CSD (CHAIN SECURITY DEVICE) - DERAILLEUR CABLE DEVIATOR INSERT - DERAILLEUR CLAMP: available in 32 mm and 35 mm diameters.

### CHORUS™ CHAIN 259 g

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

### CHORUS™ SPROCKETS 247 g

ULTRA-SHIFT™ TEETH DESIGN- ULTRA-SHIFT™ SYNCHRONIZATION: the sprocket tuning allows for maximum shifting performance without hesitation: fast, precise and quiet, even under stress - REINFORCED MOUNTS FOR AT THE TWO TRIPLETS: greater sprocket set rigidity - performance, precision.

### CHORUS™ ERGOPOWER™ C. 350 g

ULTRA-SHIFT™ ERGONOMICS: safe grip on handlebars in all positions and faster, more precise command on levers.  
 VARI CUSHION™ BRAKE LEVER HOODS WITH VARIABLE DENSITY AND SURFACE FINISHES: natural silicone material with differentiated areas to follow the grip of the 1st and 2nd finger. The grooved areas drain away water, keeping the brake lever hoods dry and improving grip. Internal weave to create a variable thickness that guarantees maximum comfort.  
 ULTRA-SHIFT™ FUNCTION ALLOWS FOR MULTIPLE SHIFTING AND GREATER CONTROL FOR RACING: Campagnolo® offers the only mechanical groupset available with the capability of shifting multiple gears (up to 5 sprockets). Multishifting allows the rider to react immediately to rapid changes in the course or necessary gearing.  
 DERAILLEUR CABLE ADJUSTING BARREL: enables the tension of the derailleur cable to be adjusted perfectly, slashing adjustment time.  
 DERAILLEUR CABLE ADJUSTING BARREL: enables the tension of the derailleur cable to be adjusted perfectly, slashing adjustment time.

### CHORUS™ CRANKSET 686 g

ULTRA-TORQUE™ AXLE - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - HOLLOW RIGHT CRANK AND SPIDER ARMS WITH ULTRA-HOLLOW™ TECHNOLOGY: reduced weight of stress - free sections, improved crank set weight to stiffness ratio - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

### CHORUS™ BRAKES 302 g\*

SKELETON BRAKE ARMS: no-bend arms, modularity, reduced weight - SPECIAL COMPOUND - EXCLUSIVE BRAKE PAD COUPLING/UNCOUPLING SYSTEM: fast and secure brake pad replacement - \* Dual pivot front/rear

### DIRECT™ DIRECT MOUNT BRAKE 183 g\*

UNIVERSAL BRAKE SHOE - AERODYNAMIC DESIGN: the solid structure of the front and rear brake shoe levers allows for highly aerodynamic performance - FAST ASSEMBLY - FAST ADJUSTMENTS: screws oriented in a direction that allows for the fastest adjustment while guaranteeing easy access to adjustment screws - \* one brake weight





The premium aluminum offering from Campagnolo®, the **Potenza 11™ disc brake** groupset combines the performance of the top end groups with the increased versatility of a rear derailleur capable of incorporating up to 32 tooth

cassettes. Add Campagnolo® disc brake technology and you have a groupset that is ready to take on anything that the road may put ahead of you!

NEW

### POTENZA 11™ REAR DERAILLEUR 206 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - REVOLUTION 11+ INSPIRED DESIGN - UPPER BODY IN ULTRA-LIGHT TECHNOLOGY™ CONSTRUCTION - TRAVEL LIMIT SCREW: easy to reach, positioned on the back of the upper body - UPPER AND LOWER PULLEY WHEELS WITH BUSHINGS

### POTENZA 11™ FRONT DERAILLEUR 94 g

HIGH-END DESIGN - STEEL CAGE - NEW CAGE MOUNTING POSITION - SPECIFIC TRAJECTORY MADE BY THE NEW KINEMATIC: great fluency and smoothness during the upshifting. The cage angle allows to have a silent transmission even for extreme crossovers - NEW ROD DESIGN: the outer rod is redesigned in order to improve the force-displacement curve allowing to increase the shifting forces and the performances also when the rider is shifting when pushing hard on his pedals

NEW

### POTENZA 11™ REAR D. - MEDIUM 211 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - REVOLUTION 11+ INSPIRED DESIGN - MEDIUM CAGE: Potenza 11™ groupset introduced the capability to use an 11-32 cassette. The medium cage [72,5mm] is designed for larger cassette use - UPPER BODY IN ULTRA-LIGHT TECHNOLOGY™ CONSTRUCTION - TRAVEL LIMIT SCREW - UPPER AND LOWER PULLEY WHEELS WITH BUSHINGS

### CAMPAGNOLO 11™ CHAIN 256 g

WIDER LINK DESIGN: the new design of the Campagnolo® 11™ chain increases shifting performance and reduces the noise from chainring and sprocket engagement - ULTRA-LINK™ CHAIN CONNECTING SYSTEM: high strength chain connection - greater safety and longer chain life

### CAMPAGNOLO 11™ SPROCKETS 251 g

NEW CASSETTE LAYOUT: the new Campagnolo 11™ cassette, based on one triplet (25-28-32) and 8 single sprockets with aluminum spacers between them, enables consistently responsive, fast and precise shifting at only 251 g (11-25 spec) - FIVE CASSETTE RANGES CAMPAGNOLO 11™ NAMED: 11-25, 11-27, 11-29, 11-32, 12-27

NEW

### POTENZA 11™ CRANKSET 801 g

HO (HYDRAULIC OPTIMIZATION) GEOMETRY - FULL COMPATIBILITY WITH DISC AND RIM BRAKE FRAMES - Q FACTOR MAINTAINED AT 145,5 mm - ULTRA-TORQUE™ AXLE - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

NEW

### POTENZA 11™ DB ERGOPOWER™ 504 g

HO (HYDRAULIC OPTIMIZATION) INNER MECHANISM - NEW ERGONOMICS OF THE EP BODY - NEW BRAKE LEVER ERGONOMICS - BRAKE LEVER WITH DOUBLE CURVE - AMS™ ADJUSTMENT (ADJUSTABLE MODULATION SYSTEM) - REACH ADJUSTMENT - HYDRAULIC MASTER CYLINDER - BLEEDING PORT ON THE TOP OF THE ERGOPOWER™ - ONE LEVER ONE ACTION - HOODS IN SILICON MATERIAL WITH VARI-CUSHION™ TECHNOLOGY - POWER-SHIFT™ MECHANISM - DERAILLEUR CABLE ADJUSTING BARREL

NEW

### CAMPAGNOLO® CALIPER 115 g

FLAT MOUNT STANDARD - AVAILABLE CALIPERS: 160 mm FRONT (123 g PADS INCLUDED), 140 mm AND 160 mm (115 g / 119 g PADS INCLUDED) - 22mm PISTON WIDTH IN EVERY CALIPER - INTEGRATED MAGNETIC SPRING ON PISTON - 0,4 - 0,6 mm ROLL-BACK (RETURN) - PADS WITH WEAR LIMIT INDICATOR - ROUNDED BIKE DESIGN - FAST AND SAFE ASSEMBLY

NEW

### CAMPAGNOLO® ROTOR 99 g

COMPATIBLE WITH CL / AFS HUBS - ROUNDED EXTERNAL EDGE - TWO DIMENSIONS AVAILABLE: 140 mm (99 g) AND 160 mm (120 g) - HIGH HEAT RESISTANCE - DIFFERENT QUANTITY OF SPOKES PER EACH DIMENSION - RIVET CONNECTION ENGINEERED TO ATTAIN SAFE DISTANCE BETWEEN ROTOR AND CALIPER, PROMOTING EFFICIENT COOLING UNDER STRESS





The highest-tier aluminum groupset available offers the same race-winning shifting performance as its carbon fiber counterparts seen atop professional rider's bikes. **Potenza 11™** is designed around the strengths that made

its higher tier Revolution 11+ brethren so successful: Embrace Technology™, fantastic ergonomics, Campagnolo® performance, reliability and design.

**NEW**

### POTENZA 11™ REAR DERAILLEUR 206 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - REVOLUTION 11+ INSPIRED DESIGN - UPPER BODY IN ULTRA-LIGHT TECHNOLOGY™ CONSTRUCTION - TRAVEL LIMIT SCREW: easy to reach, positioned on the back of the upper body - UPPER AND LOWER PULLEY WHEELS WITH BUSHINGS

**NEW**

### POTENZA 11™ REAR D. - MEDIUM 211 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - REVOLUTION 11+ INSPIRED DESIGN - MEDIUM CAGE: Potenza 11™ groupset introduced the capability to use an 11-32 cassette. The medium cage (72,5mm) is designed for larger cassette use - UPPER BODY IN ULTRA-LIGHT TECHNOLOGY™ CONSTRUCTION - TRAVEL LIMIT SCREW - UPPER AND LOWER PULLEY WHEELS WITH BUSHINGS

### POTENZA 11™ FRONT DERAILLEUR 94 g

HIGH-END DESIGN - STEEL CAGE - NEW CAGE MOUNTING POSITION - SPECIFIC TRAJECTORY MADE BY THE NEW KINEMATIC: great fluency and smoothness during the upshifting. The cage angle allows to have a silent transmission even for extreme crossovers - NEW ROD DESIGN: the outer rod is redesigned in order to improve the force-displacement curve allowing to increase the shifting forces and the performances also when the rider is shifting when pushing hard on his pedals

### CAMPAGNOLO 11™ CHAIN 256 g

WIDER LINK DESIGN: the new design of the Campagnolo® 11™ chain increases shifting performance and reduces the noise from chainring and sprocket engagement - ULTRA-LINK™ CHAIN CONNECTING SYSTEM: high strength chain connection - greater safety and longer chain life

### CAMPAGNOLO 11™ SPROCKETS 251 g

NEW CASSETTE LAYOUT: the new Campagnolo 11™ cassette, based on one triplet (25-28-32) and 8 single sprockets with aluminum spacers between them, enables consistently responsive, fast and precise shifting at only 251 g (11-25 spec) - FIVE CASSETTE RANGES CAMPAGNOLO 11™ NAMED: 11-25, 11-27, 11-29, 11-32, 12-27

**NEW**

### POTENZA 11™ ERGOPOWER™ C. 372 g

HO (HYDRAULIC OPTIMIZATION) INNER MECHANISM - COMPATIBLE WITH POTENZA 11™ HO CRANKSET.  
NEW POWER-SHIFT™ MECHANISM: Campagnolo® engineers have taken the current Power-Shift™ mechanism and introduced a new material in the internal mechanism that renders this new version even more reliable and long lasting than before  
NEW DESIGN BAR/COMMAND INTERFACE: allows for perfect alignment with vast range of modern curved handlebars  
DOWNSHIFT LEVER POSITION: fantastic ergonomics derived from EPS™ commands. Allows for complete control no matter your hand position  
POTENZA 11™ SPECIFIC HOOD DESIGN: classic Campagnolo® ergonomics offering fantastic mobility and comfort. Surface studied to insure water drains away ensuring a safe grip in any condition  
HOODS IN SILICON MATERIAL WITH VARI-CUSHION™ TECHNOLOGY: high levels of comfort even after long training sessions thanks to the meticulously studied and developed Vari-Cushion™ design

**NEW**

### POTENZA 11™ CRANKSET 801 g

HO (HYDRAULIC OPTIMIZATION) GEOMETRY - FULL COMPATIBILITY WITH DISC AND RIM BRAKE FRAMES - Q FACTOR MAINTAINED AT 145,5 mm - ULTRA-TORQUE™ AXLE - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

### POTENZA 11™ BRAKES 319 g\*

SPECIAL BRAKE COMPOUND: better braking performance in all weather conditions - less wear on the braking track - SKELETON BRAKE ARMS: no-bend arms, modularity, reduced weight - DUAL PIVOT FRONT/REAR: enhanced braking at the rear - \* front and rear weight

### DIRECT™ DIRECT MOUNT BRAKE 183 g\*

UNIVERSAL BRAKE SHOE - AERODYNAMIC DESIGN: the solid structure of the front and rear brake shoe levers allows for highly aerodynamic performance - FAST ASSEMBLY - FAST ADJUSTMENTS: screws oriented in a direction that allows for the fastest adjustment while guaranteeing easy access to adjustment screws - \* one brake weight





The highest-tier aluminum groupset available offers the same race-winning shifting performance as its carbon fiber counterparts seen atop professional rider's bikes.

Not only versatile in terms of gearing but also in terms of finish the **Potenza 11™** is available in an additional silver colorway for a classic alternative offered only by Campagnolo®.

NEW

### POTENZA 11™ REAR DERAILLEUR 206 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - REVOLUTION 11+ INSPIRED DESIGN - UPPER BODY IN ULTRA-LIGHT TECHNOLOGY™ CONSTRUCTION - TRAVEL LIMIT SCREW: easy to reach, positioned on the back of the upper body - UPPER AND LOWER PULLEY WHEELS WITH BUSHINGS

NEW

### POTENZA 11™ REAR D. - MEDIUM 211 g

NEW UPPER BODY WITH HO (HYDRAULIC OPTIMIZATION) GEOMETRY - UPPER PULLEY WHEELS WITH LONGER TEETH - LOWER PULLEY WHEELS WITH ROUNDED TEETH - EMBRACE TECHNOLOGY™ - REVOLUTION 11+ INSPIRED DESIGN - MEDIUM CAGE: Potenza 11™ groupset introduced the capability to use an 11-32 cassette. The medium cage (72,5mm) is designed for larger cassette use - UPPER BODY IN ULTRA-LIGHT TECHNOLOGY™ CONSTRUCTION - TRAVEL LIMIT SCREW - UPPER AND LOWER PULLEY WHEELS WITH BUSHINGS

### POTENZA 11™ FRONT DERAILLEUR 94 g

HIGH-END DESIGN - STEEL CAGE - NEW CAGE MOUNTING POSITION - SPECIFIC TRAJECTORY MADE BY THE NEW KINEMATIC: great fluency and smoothness during the upshifting. The cage angle allows to have a silent transmission even for extreme crossovers - NEW ROD DESIGN: the outer rod is redesigned in order to improve the force-displacement curve allowing to increase the shifting forces and the performances also when the rider is shifting when pushing hard on his pedals

### CAMPAGNOLO 11™ CHAIN 256 g

WIDER LINK DESIGN: the new design of the Campagnolo® 11™ chain increases shifting performance and reduces the noise from chainring and sprocket engagement - ULTRA-LINK™ CHAIN CONNECTING SYSTEM: high strength chain connection - greater safety and longer chain life

### CAMPAGNOLO 11™ SPROCKETS 251 g

NEW CASSETTE LAYOUT: the new Campagnolo 11™ cassette, based on one triplet (25-28-32) and 8 single sprockets with aluminum spacers between them, enables consistently responsive, fast and precise shifting at only 251 g (11-25 spec) - FIVE CASSETTE RANGES CAMPAGNOLO 11™ NAMED: 11-25, 11-27, 11-29, 11-32, 12-27

NEW

### POTENZA 11™ ERGOPOWER™ C. 372 g

HO (HYDRAULIC OPTIMIZATION) INNER MECHANISM - COMPATIBLE WITH POTENZA 11™ HO CRANKSET.  
 NEW POWER-SHIFT™ MECHANISM: Campagnolo® engineers have taken the current Power-Shift™ mechanism and introduced a new material in the internal mechanism that renders this new version even more reliable and long lasting than before  
 NEW DESIGN BAR/COMMAND INTERFACE: allows for perfect alignment with vast range of modern curved handlebars  
 DOWNSHIFT LEVER POSITION: fantastic ergonomics derived from EPS™ commands. Allows for complete control no matter your hand position  
 POTENZA 11™ SPECIFIC HOOD DESIGN: classic Campagnolo® ergonomics offering fantastic mobility and comfort. Surface studied to insure water drains away ensuring a safe grip in any condition  
 HOODS IN SILICON MATERIAL WITH VARI-CUSHION™ TECHNOLOGY: high levels of comfort even after long training sessions thanks to the meticulously studied and developed Vari-Cushion™ design

NEW

### POTENZA 11™ CRANKSET 801 g

HO (HYDRAULIC OPTIMIZATION) GEOMETRY - FULL COMPATIBILITY WITH DISC AND RIM BRAKE FRAMES - Q FACTOR MAINTAINED AT 145,5 mm - ULTRA-TORQUE™ AXLE - OPTIMIZED UPSHIFTING PINS FOR EACH CHAINRING COMBINATION - 8 BOLT RETENTION DESIGN INCREASES EFFICIENCY - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

### POTENZA 11™ BRAKES 319 g\*

SPECIAL BRAKE COMPOUND: better braking performance in all weather conditions - less wear on the braking track - SKELETON BRAKE ARMS: no-bend arms, modularity, reduced weight - DUAL PIVOT FRONT/REAR: enhanced braking at the rear - \* front and rear weight





The new Centaur™ Rim Brake 11 speed groupset represents Campagnolo® continuous innovation and is a prime example of how top tier technology trickles down to permeate the entire range.

Campagnolo's initial offering comes as an affordable solution while guaranteeing performance generally associated with premium products.

NEW

### CENTAUR™ REAR DERAILLEUR 230 g

REDESIGNED REAR DERAILLEUR TRAJECTORY ANGLE (45°) - ONE REAR DERAILLEUR AVAILABLE FOR EVERY SETUP COMBINATION - PULLEY WHEELS WITH BUSHINGS - UPPER PULLEY WHEEL WITH LONGER TEETH - LOWER PULLEY WHEEL WITH ROUNDED TEETH - UPPER AND LOWER BODY IN ULTRA-LIGHT TECHNO-POLYMER REINFORCED WITH GLASS FIBRE - LIMIT SCREWS POSITIONED ON THE BACK OF THE UPPER BODY

NEW

### CENTAUR™ FRONT DERAILLEUR 103 g

SUPER RECORD™ INFLUENCED DESIGN - ONE-PIECE STEEL CAGE - SHAPED OUTER SEMI-CAG: improve the downshifting speed and chain control during upshifting  
NEW ROD DESIGN

NEW

### CENTAUR™ ERGOPOWER™ C. 373 g

REDESIGNED RIGHT POWER-SHIFT™ MECHANISM - MULTIPLE UPSHIFTING (UP TO 3 GEARS) - ERGONOMIC DOWNSHIFT LEVER POSITION - NEW LIP INTRODUCED ON THE ERGOPOWER™ BODY - GEOMETRY SPECIFICALLY DESIGNED TO OPTIMIZE COMMAND/HANDLEBAR INTERFACE - HOODS WITH GROOVED ZONES - HOODS IN SILICON WITH VARI-CUSHION™ TECHNOLOGY - LEFT POWER-SHIFT™ MECHANISM COMPATIBLE WITH CENTAUR™ CRANKSET - DOWNWARD MOVEMENT OF THE CHAIN BLOCKED AT 1<sup>ST</sup> ACTION

NEW

### CENTAUR™ BRAKES 325 g\*

FORGED ALUMINUM SOLID BRAKE ARMS - ADJUSTABLE BRAKE PADS - SPECIAL BRAKE PAD COMPOUND, REDUCING BRAKING DISTANCE IN BOTH DRY AND WET CONDITIONS. THE MOST APPRECIATED BRAKE PADS ON THE MARKET - \* front and rear weight

NEW

### CENTAUR™ SPROCKETS 291 g

SPECIFIC CASSETTES DEVELOPED WITH THE "CAMPAGNOLO 11™" LAYOUT WITH SPECIFIC FINISHING - THREE CASSETTE SPECS AVAILABLE: 11-32, 12-32, 11-29  
11-32 CASSETTE WITH THE SPROCKET COMBINATION: 11-12-13-14-15-17-19-22-25-28-32

NEW

### CAMPAGNOLO 11™ CHAIN 256 g

WIDER LINK DESIGN: the new design of the Campagnolo® 11™ chain increases shifting performance and reduces the noise from chainring and sprocket engagement -  
ULTRA-LINK™ CHAIN CONNECTING SYSTEM: high strength chain connection - greater safety and longer chain life

NEW

### CENTAUR™ CRANKSET 875 g

FOUR ARM DESIGN - TWO CHAINRING COMBINATIONS: 52/36 AND 50/34 - ONE SINGLE CRANK FOR BOTH CHAINRING COMBINATIONS - OPTIMIZED INNER SURFACE ON BOTH CRANKS - ULTRA-TORQUE™ AXLE - CHAINRING INNER DESIGN OPTIMIZED PER EACH COMBINATION - THREE CRANK LENGTHS AVAILABLE: 170, 172,5 AND 175 mm - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

NEW

### DIRECT™ DIRECT MOUNT BRAKE 183 g\*

UNIVERSAL BRAKE SHOE - AERODYNAMIC DESIGN: the solid structure of the front and rear brake shoe levers allows for highly aerodynamic performance - FAST ASSEMBLY - FAST ADJUSTMENTS: screws oriented in a direction that allows for the fastest adjustment while guaranteeing easy access to adjustment screws - \* one brake weight





The new Centaur™ Rim Brake 11 speed groupset represents Campagnolo® continuous innovation and is a prime example of how top tier technology trickles down to permeate the entire range. Campagnolo® quality reliability and

design available in a very versatile package, not only in regards to gearing but also thanks to its **additional silver finish option**, unique to Campagnolo®.

NEW

### CENTAUR™ REAR DERAILLEUR 230 g

REDESIGNED REAR DERAILLEUR TRAJECTORY ANGLE (45°) - ONE REAR DERAILLEUR AVAILABLE FOR EVERY SETUP COMBINATION - PULLEY WHEELS WITH BUSHINGS - UPPER PULLEY WHEEL WITH LONGER TEETH - LOWER PULLEY WHEEL WITH ROUNDED TEETH - UPPER AND LOWER BODY IN ULTRA-LIGHT TECHNOLOGY REINFORCED WITH GLASS FIBRE - LIMIT SCREWS POSITIONED ON THE BACK OF THE UPPER BODY

NEW

### CENTAUR™ FRONT DERAILLEUR 103 g

SUPER RECORD™ INFLUENCED DESIGN - ONE-PIECE STEEL CAGE - SHAPED OUTER SEMI-CAG: improve the downshifting speed and chain control during upshifting  
NEW ROD DESIGN

NEW

### CENTAUR™ SPROCKETS 291 g

SPECIFIC CASSETTES DEVELOPED WITH THE "CAMPAGNOLO 11™" LAYOUT WITH SPECIFIC FINISHING - THREE CASSETTE SPECS AVAILABLE: 11-32, 12-32, 11-29  
11-32 CASSETTE WITH THE SPROCKET COMBINATION: 11-12-13-14-15-17-19-22-25-28-32

NEW

### CAMPAGNOLO 11™ CHAIN 256 g

WIDER LINK DESIGN: the new design of the Campagnolo® 11™ chain increases shifting performance and reduces the noise from chainring and sprocket engagement -  
ULTRA-LINK™ CHAIN CONNECTING SYSTEM: high strength chain connection - greater safety and longer chain life

NEW

### CENTAUR™ ERGOPOWER™ C. 373 g

REDESIGNED RIGHT POWER-SHIFT™ MECHANISM - MULTIPLE UPSHIFTING (UP TO 3 GEARS) - ERGONOMIC DOWNSHIFT LEVER POSITION - NEW LIP INTRODUCED ON THE ERGOPOWER™ BODY - GEOMETRY SPECIFICALLY DESIGNED TO OPTIMIZE COMMAND/HANDLEBAR INTERFACE - HOODS WITH GROOVED ZONES - HOODS IN SILICON WITH VARI-CUSHION™ TECHNOLOGY - LEFT POWER-SHIFT™ MECHANISM COMPATIBLE WITH CENTAUR™ CRANKSET - DOWNWARD MOVEMENT OF THE CHAIN BLOCKED AT 1<sup>ST</sup> ACTION

NEW

### CENTAUR™ CRANKSET 875 g

FOUR ARM DESIGN - TWO CHAINRING COMBINATIONS: 52/36 AND 50/34 - ONE SINGLE CRANK FOR BOTH CHAINRING COMBINATIONS - OPTIMIZED INNER SURFACE ON BOTH CRANKS - ULTRA-TORQUE™ AXLE - CHAINRING INNER DESIGN OPTIMIZED PER EACH COMBINATION - THREE CRANK LENGTHS AVAILABLE: 170, 172,5 AND 175 mm - CAMPAGNOLO® ULTRA-TORQUE™ BB CUPS REQUIRED

NEW

### CENTAUR™ BRAKES 325 g\*

FORGED ALUMINUM SOLID BRAKE ARMS - ADJUSTABLE BRAKE PADS - SPECIAL BRAKE PAD COMPOUND, REDUCING BRAKING DISTANCE IN BOTH DRY AND WET CONDITIONS. THE MOST APPRECIATED BRAKE PADS ON THE MARKET - \* front and rear weight











## TECH DATA

Over the course of the previous pages in this catalog you can find a great deal of general information regarding every Campagnolo® product. However, if you need more specific information and technical data we have compiled an even greater resource in the following section.

Should you need yet more information please visit: [www.campagnolo.com](http://www.campagnolo.com)

Please note that we reserve the right to change products, surface finish and specifications at any moment without prior notice.



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## DISC BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
SUPER RECORD™ EPS™ rear derailleur	-	198	cables included
H11™ EPS™ Ergopower controls	-	396	Pair (cables included)
SUPER RECORD™ EPS™ front derailleur	-	127	cables included
DTI™ EPS™ V3 Power Unit	-	106	cables included
DTI™ EPS™ V3 Interface	-	35	cables included
H11™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	628	170 mm, 34-50 [2 bearings assembled]
SUPER RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	43	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
SUPER RECORD™ sprockets	11-23, 11-25, 11-27, 12-25, 12-27, 12-29	188	11-25
RECORD™ chain	-	238	114 links
CAMPAGNOLO® caliper	160 mm Front 160 mm Rear 140 mm Rear	115	140 mm Rear (1 piece - pads included)
CAMPAGNOLO® rotor	160 mm 140 mm	99	140 mm (1 piece)
<b>COMPLETE GROUPSET</b>		<b>2.413</b>	2 calipers 2 rotors

EXTRA COMPONENTS	OPTIONS	CATEGORY
EPS™ V3 Power Unit Holder	for bottle cage for ø 27 mm seatpost for ø 32 mm seatpost	EPS™ V3
EPS™ Battery Charger	-	EPS™
EPS™ Power Cable	AUS CEE UK US	EPS™
RECORD™ EPS™ extension cable kit	-	EPS™ Super Record™/Record™
Rear Caliper Bolts	for 10-14 mm rear mount for 15-19 mm rear mount for 20-24 mm rear mount for 25-29 mm rear mount for 30-34 mm rear mount for 35-39 mm rear mount	Disc Brake (MANDATORY)
Oil	100 ml, 250 ml, 1.000 ml	Disc Brake
Bleeding Kit	-	Disc Brake
140 mm to 160 mm Rear Caliper adapter	-	Disc Brake
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur Stiffness Increaser	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
SUPER RECORD™ Bottle	550 ml, 750 ml, thermal	General



## RIM BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
SUPER RECORD™ EPS™ rear derailleur	-	198	cables included
SUPER RECORD™ EPS™ Ergopower controls	-	262	Pair (cables included)
SUPER RECORD™ EPS™ front derailleur	-	127	cables included
DTI™ EPS™ V3 Power Unit	-	106	cables included
DTI™ EPS™ V3 Interface	-	35	cables included
SUPER RECORD™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	603	170 mm, 34-50 [2 bearings assembled]
SUPER RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	43	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
SUPER RECORD™ sprockets	11-23, 11-25, 11-27, 12-25, 12-27, 12-29	188	11-25
RECORD™ chain	-	238	114 links
SUPER RECORD™ brakes	rear mono-pivot rear dual-pivot	272	Pair (with rear mono-pivot)
RECORD™ direct mount brake	Front Rear Seat Stay Rear Under BB	158	Rear Under BB (1 piece)
<b>COMPLETE GROUPSET</b>		<b>2.069</b>	

EXTRA COMPONENTS	OPTIONS	CATEGORY
EPS™ V3 Power Unit Holder	for bottle cage for ø 27 mm seatpost for ø 32 mm seatpost	EPS™ V3
EPS™ Battery Charger	-	EPS™
EPS™ Power Cable	AUS CEE UK US	EPS™
RECORD™ EPS™ extension cable kit	-	EPS™ Super Record™/Record™
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur Stiffness Increaser	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
SUPER RECORD™ Bottle	550 ml, 750 ml, thermal	General





## DISC BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
SUPER RECORD™ rear derailleur	short cage medium cage	166	short cage
H11™ Ergopower controls	-	462	Pair
SUPER RECORD™ front derailleur	without S2 System with S2 System	71	without S2 System
H11™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	628	170 mm, 34-50 [2 bearings assembled]
SUPER RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	43	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
SUPER RECORD™ sprockets	11-23, 11-25, 11-27, 11-29, 12-25, 12-27, 12-29	188	11-25
CAMPAGNOLO 11™ sprockets	11-32	335	-
RECORD™ chain	-	238	114 links
CAMPAGNOLO® caliper	160 mm Front 160 mm Rear 140 mm Rear	115	140 mm Rear [1 piece - pads included]
CAMPAGNOLO® rotor	160 mm 140 mm	99	140 mm [1 piece]
<b>COMPLETE GROUPSET</b>		<b>2.250</b>	2 calipers 2 rotors

EXTRA COMPONENTS	OPTIONS	CATEGORY
Rear Caliper Bolts	for 10-14 mm rear mount for 15-19 mm rear mount for 20-24 mm rear mount for 25-29 mm rear mount for 30-34 mm rear mount for 35-39 mm rear mount	Disc Brake (MANDATORY)
Oil	100 ml, 250 ml, 1.000 ml	Disc Brake
Bleeding Kit	-	Disc Brake
140 mm to 160 mm Rear Caliper adapter	-	Disc Brake
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur cable deviator insert	-	Accessory
Front Derailleur cable regulator	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
SUPER RECORD™ Bottle	550 ml, 750 ml, thermal	General



## RIM BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
SUPER RECORD™ rear derailleur	short cage medium cage	166	short cage
SUPER RECORD™ Ergopower controls	-	342	Pair
SUPER RECORD™ front derailleur	without S2 System with S2 System	71	without S2 System
SUPER RECORD™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	603	170 mm, 34-50 [2 bearings assembled]
SUPER RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	43	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
SUPER RECORD™ sprockets	11-23, 11-25, 11-27, 11-29, 12-25, 12-27, 12-29	188	11-25
CAMPAGNOLO 11™ sprockets	11-32	335	-
RECORD™ chain	-	238	114 links
SUPER RECORD™ brakes	rear mono-pivot rear dual-pivot	272	Pair (with rear mono-pivot)
RECORD™ direct mount brake	Front Rear Seat Stay Rear Under BB	158	Rear Under BB [1 piece]
<b>COMPLETE GROUPSET</b>		<b>1.920</b>	-

EXTRA COMPONENTS	OPTIONS	CATEGORY
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur cable deviator insert	-	Accessory
Front Derailleur cable regulator	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
SUPER RECORD™ Bottle	550 ml, 750 ml, thermal	General





## DISC BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
RECORD™ EPS™ rear derailleur	-	203	cables included
H11™ EPS™ Ergopower controls	-	396	Pair (cables included)
RECORD™ EPS™ front derailleur	-	133	cables included
DTI™ EPS™ V3 Power Unit	-	106	cables included
DTI™ EPS™ V3 Interface	-	35	cables included
H11™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	628	170 mm, 34-50 (2 bearings assembled)
RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	45	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
RECORD™ sprockets	11-23, 11-25, 11-27, 12-25, 12-27, 12-29	211	11-25
RECORD™ chain	-	238	114 links
CAMPAGNOLO® caliper	160 mm Front 160 mm Rear 140 mm Rear	115	140 mm Rear (1 piece - pads included)
CAMPAGNOLO® rotor	160 mm 140 mm	99	140 mm (1 piece)
<b>COMPLETE GROUPSET</b>		<b>2.447</b>	2 calipers 2 rotors

EXTRA COMPONENTS	OPTIONS	CATEGORY
EPS™ V3 Power Unit Holder	for bottle cage for ø 27 mm seatpost for ø 32 mm seatpost	EPS™ V3
EPS™ Battery Charger	-	EPST™
EPS™ Power Cable	AUS CEE UK US	EPST™
RECORD™ EPS™ extension cable kit	-	EPST™ Super Record™/Record™
Rear Caliper Bolts	for 10-14 mm rear mount for 15-19 mm rear mount for 20-24 mm rear mount for 25-29 mm rear mount for 30-34 mm rear mount for 35-39 mm rear mount	Disc Brake (MANDATORY)
Oil	100 ml, 250 ml, 1.000 ml	Disc Brake
Bleeding Kit	-	Disc Brake
140 mm to 160 mm Rear Caliper adapter	-	Disc Brake
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur Stiffness Increaser	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
SUPER RECORD™ Bottle	550 ml, 750 ml, thermal	General



## RIM BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
RECORD™ EPS™ rear derailleur	-	203	cables included
RECORD™ EPS™ Ergopower controls	-	266	Pair (cables included)
RECORD™ EPS™ front derailleur	-	133	cables included
DTI™ EPS™ V3 Power Unit	-	106	cables included
DTI™ EPS™ V3 Interface	-	35	cables included
RECORD™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	651	170 mm, 34-50 (2 bearings assembled)
RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	45	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
RECORD™ sprockets	11-23, 11-25, 11-27, 12-25, 12-27, 12-29	211	11-25
RECORD™ chain	-	238	114 links
RECORD™ brakes	rear mono-pivot rear dual-pivot	293	Pair (with rear mono-pivot)
RECORD™ direct mount brake	Front Rear Seat Stay Rear Under BB	158	Rear Under BB (1 piece)
<b>COMPLETE GROUPSET</b>		<b>2.176</b>	-

EXTRA COMPONENTS	OPTIONS	CATEGORY
EPS™ V3 Power Unit Holder	for bottle cage for ø 27 mm seatpost for ø 32 mm seatpost	EPS™ V3
EPS™ Battery Charger	-	EPST™
EPS™ Power Cable	AUS CEE UK US	EPST™
RECORD™ EPS™ extension cable kit	-	EPST™ Super Record™/Record™
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur Stiffness Increaser	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
SUPER RECORD™ Bottle	550 ml, 750 ml, thermal	General





## DISC BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
RECORD™ rear derailleur	short cage medium cage	170	short cage
H11™ Ergopower controls	-	462	Pair
RECORD™ front derailleur	without S2 System with S2 System	75	without S2 System
H11™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	628	170 mm, 34-50 [2 bearings assembled]
RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	45	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
RECORD™ sprockets	11-23, 11-25, 11-27, 11-29, 12-25, 12-27, 12-29	211	11-25
CAMPAGNOLO 11™ sprockets	11-32	335	-
RECORD™ chain	-	238	114 links
CAMPAGNOLO® caliper	160 mm Front 160 mm Rear 140 mm Rear	115	140 mm Rear [1 piece - pads included]
CAMPAGNOLO® rotor	160 mm 140 mm	99	140 mm [1 piece]
<b>COMPLETE GROUPSET</b>		<b>2.281</b>	2 calipers 2 rotors

EXTRA COMPONENTS	OPTIONS	CATEGORY
Rear Caliper Bolts	for 10-14 mm rear mount for 15-19 mm rear mount for 20-24 mm rear mount for 25-29 mm rear mount for 30-34 mm rear mount for 35-39 mm rear mount	Disc Brake (MANDATORY)
Oil	100 ml, 250 ml, 1.000 ml	Disc Brake
Bleeding Kit	-	Disc Brake
140 mm to 160 mm Rear Caliper adapter	-	Disc Brake
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur cable deviator insert	-	Accessory
Front Derailleur cable regulator	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
SUPER RECORD™ Bottle	550 ml, 750 ml, thermal	General



## RIM BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
RECORD™ rear derailleur	short cage medium cage	170	short cage
RECORD™ Ergopower controls	-	348	Pair
RECORD™ front derailleur	without S2 System with S2 System	75	without S2 System
RECORD™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	651	170 mm, 34-50 [2 bearings assembled]
RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	45	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
RECORD™ sprockets	11-23, 11-25, 11-27, 11-29, 12-25, 12-27, 12-29	211	11-25
CAMPAGNOLO 11™ sprockets	11-32	335	-
RECORD™ chain	-	238	114 links
RECORD™ brakes	rear mono-pivot rear dual-pivot	293	Pair (with rear mono-pivot)
RECORD™ direct mount brake	Front Rear Seat Stay Rear Under BB	158	Rear Under BB [1 piece]
<b>COMPLETE GROUPSET</b>		<b>2.026</b>	

EXTRA COMPONENTS	OPTIONS	CATEGORY
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur cable deviator insert	-	Accessory
Front Derailleur cable regulator	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
Bottle	550 ml, 750 ml, thermal	General





## RIM BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
CHORUS™ EPS™ rear derailleur	-	225	cables included
CHORUS™ EPS™ Ergopower controls	-	293	Pair (cables included)
CHORUS™ EPS™ front derailleur	-	149	cables included
DTI™ CHORUS™ EPS™ V2 Power Unit	-	130	cables included
DTI™ CHORUS™ EPS™ V2 Interface	-	24	cables included
CHORUS™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	686	170 mm, 34-50 (2 bearings assembled)
RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	45	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
CHORUS™ sprockets	11-23, 11-25, 11-27, 12-25, 12-27, 12-29	247	11-25
CHORUS™ chain	-	259	114 links
CHORUS™ brakes	-	302	Pair
DIRECT™ direct mount brake	Front Rear Seat Stay	183	1 piece
<b>COMPLETE GROUPSET</b>		<b>2.355</b>	-

EXTRA COMPONENTS	OPTIONS	CATEGORY
EPS™ V2 Power Unit Holder	for external mount for ø 27 mm seatpost for ø 32 mm seatpost	EPS™ V2
EPS™ Battery Charger	-	EPS™
EPS™ Power Cable	AUS CEE UK US	EPS™
CHORUS™ EPS™ extension cable kit	3 cables kit cable PU to Interface	EPS™ Chous
EPS™ V2 Power Unit charging cable extension		EPS™ V2
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur cable deviator insert	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
SUPER RECORD™ Bottle	550 ml, 750 ml, thermal	General



## DISC BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
CHORUS™ rear derailleur	short cage medium cage	183	short cage
H11™ Ergopower controls	-	462	Pair
CHORUS™ front derailleur	without S2 System with S2 System	76	without S2 System
H11™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	628	170 mm, 34-50 (2 bearings assembled)
RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	45	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
CHORUS™ sprockets	11-23, 11-25, 11-27, 11-29, 12-25, 12-27, 12-29	247	11-25
CAMPAGNOLO 11™ sprockets	11-32	335	-
CHORUS™ chain	-	259	114 links
CAMPAGNOLO® caliper	160 mm Front 160 mm Rear 140 mm Rear	115	140 mm Rear (1 piece - pads included)
CAMPAGNOLO® rotor	160 mm 140 mm	99	140 mm (1 piece)
<b>COMPLETE GROUPSET</b>		<b>2.352</b>	2 calipers 2 rotors

EXTRA COMPONENTS	OPTIONS	CATEGORY
Rear Caliper Bolts	for 10-14 mm rear mount for 15-19 mm rear mount for 20-24 mm rear mount for 25-29 mm rear mount for 30-34 mm rear mount for 35-39 mm rear mount	Disc Brake (MANDATORY)
Oil	100 ml, 250 ml, 1.000 ml	Disc Brake
Bleeding Kit	-	Disc Brake
140 mm to 160 mm Rear Caliper adapter	-	Disc Brake
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur cable deviator insert	-	Accessory
Front Derailleur cable regulator	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
SUPER RECORD™ Bottle	550 ml, 750 ml, thermal	General





## RIM BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
CHORUS™ rear derailleur	short cage medium cage	183	short cage
CHORUS™ Ergopower controls	-	350	Pair
CHORUS™ front derailleur	without S2 System with S2 System	76	without S2 System
CHORUS™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	686	170 mm, 34-50 [2 bearings assembled]
RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	45	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
CHORUS™ sprockets	11-23, 11-25, 11-27, 11-29, 12-25, 12-27, 12-29	247	11-25
CAMPAGNOLO 11™ sprockets	11-32	335	-
CHORUS™ chain	-	259	114 links
CHORUS™ brakes	-	302	Pair
DIRECT™ direct mount brake	Front Rear Seat Stay	183	1 piece
<b>COMPLETE GROUPSET</b>		<b>2.143</b>	

EXTRA COMPONENTS	OPTIONS	CATEGORY
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur cable deviator insert	-	Accessory
Front Derailleur cable regulator	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
Bottle	550 ml, 750 ml, thermal	General



## DISC BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
POTENZA 11™ rear derailleur	short cage medium cage	206	short cage
POTENZA 11™ DB Ergopower controls	-	504	Pair
POTENZA 11™ front derailleur	-	94	-
POTENZA 11™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	801	170 mm, 34-50 [2 bearings assembled]
RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	45	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
CAMPAGNOLO 11™ sprockets	11-25, 11-27, 11-29, 11-32, 12-27	251	11-25
CAMPAGNOLO 11™ chain	-	256	114 links
CAMPAGNOLO® caliper	160 mm Front 160 mm Rear 140 mm Rear	115	140 mm Rear (1 piece - pads included)
CAMPAGNOLO® rotor	160 mm 140 mm	99	140 mm (1 piece)
<b>COMPLETE GROUPSET</b>		<b>2.609</b>	2 calipers 2 rotors

EXTRA COMPONENTS	OPTIONS	CATEGORY
Rear Caliper Bolts	for 10-14 mm rear mount for 15-19 mm rear mount for 20-24 mm rear mount for 25-29 mm rear mount for 30-34 mm rear mount for 35-39 mm rear mount	Disc Brake (MANDATORY)
Oil	100 ml, 250 ml, 1.000 ml	Disc Brake
Bleeding Kit	-	Disc Brake
140 mm to 160 mm Rear Caliper adapter	-	Disc Brake
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur cable deviator insert	-	Accessory
Front Derailleur cable regulator	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
SUPER RECORD™ Bottle	550 ml, 750 ml, thermal	General





## RIM BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
POTENZA 11™ rear derailleur	short cage medium cage	206	short cage
POTENZA 11™ Ergopower controls	-	372	Pair
POTENZA 11™ front derailleur	-	94	-
POTENZA 11™ crankset	170 mm, 172,5 mm, 175 mm 39-53, 36-52, 34-50	801	170 mm, 34-50 (2 bearings assembled)
RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	45	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
CAMPAGNOLO 11™ sprockets	11-25, 11-27, 11-29, 11-32, 12-27	251	11-25
CAMPAGNOLO 11™ chain	-	256	114 links
POTENZA 11™ brakes	-	319	Pair
DIRECT™ direct mount brake	Front Rear Seat Stay	183	1 piece
<b>COMPLETE GROUPSET</b>		<b>2.339</b>	

EXTRA COMPONENTS	OPTIONS	CATEGORY
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur cable deviator insert	-	Accessory
Front Derailleur cable regulator	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
Bottle	550 ml, 750 ml, thermal	General



## RIM BRAKE

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
CENTAUR™ rear derailleur	-	230	short cage
CENTAUR™ Ergopower controls	-	373	Pair
CENTAUR™ front derailleur	-	103	-
CENTAUR™ crankset	170 mm, 172,5 mm, 175 mm 36-52, 34-50	875	170 mm, 34-50 (2 bearings assembled)
RECORD™ ULTRA-TORQUE™ threaded cups	ITA: 70x (36x24 tpi) BSA: 68x (1,37"x24 tpi)	45	BSA
ULTRA-TORQUE™ press-fit cups	BB30: (68x42) mm BB86: (86,5x41) mm PF30: (68x46) mm BB386: (86,5x46) mm BB RIGHT: (79x46) mm	40	BB86
CENTAUR™ sprockets	11-29, 11-32, 12-29	291	11-29
CAMPAGNOLO 11™ chain	-	256	114 links
CENTAUR™ brakes	-	325	Pair
DIRECT™ direct mount brake	Front Rear Seat Stay	183	1 piece
<b>COMPLETE GROUPSET</b>		<b>2.493</b>	

EXTRA COMPONENTS	OPTIONS	CATEGORY
CSD™ (Chain Security Device)	for braze-on for ø 32/35 clamp	Accessory
Front Derailleur Clamp	ø 32 mm, ø 35 mm	Accessory
Front Derailleur cable deviator insert	-	Accessory
Front Derailleur cable regulator	-	Accessory
RECORD™ Headset	-	General
RECORD™ front hub	-	General
RECORD™ rear hub	-	General
SUPER RECORD™ Bottle cage	-	General
Bottle	550 ml, 750 ml, thermal	General



## TRIATHLON / TIME-TRIAL

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
RECORD™ TT EPS™ shifting levers	-	98	Pair
RECORD™ TT EPS™ brake levers	-	110	Pair
TT DTI™ EPS™ V3 interface	-	45	cables included
11s bar-end shifting levers	-	167	Pair
bar-end brake levers	-	106	Pair

## PISTA

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
RECORD™ PISTA crankset	165 mm, 170 mm 47T, 48T, 49T, 50T, 51T, 52T	592	165 mm, 47T
RECORD™ PISTA bottom bracket	-	220	-
RECORD™ headset	-	104	-

## INTEGRATED CUPS

Uniquely compatible with all the frames on the market.

Thanks to accurate design that meets client needs, Campagnolo® cranksets can in fact be fitted to any type of frame: from the standard Italian to English types, to Press-Fit bottom brackets of BB86 86.5x41, BB30 68x42, PF30 68x46, BB386 86.5x46, BB30 68x42 and BB RIGHT 79x46 with new design to improve coupling with Press-Fit bottom brackets on the market. This means the well-known advantages of stiffness, lightness and performance over time typical of Campagnolo® cranksets remain unaltered.

This solution offers many advantages, one of which is the ability to change frames without having to purchase a new crankset. This allows Campagnolo® to maintain the tried, tested and proven geometries and designs of the Ultra-Torque™ crankset without having to modify the crankset itself for the wide array of standards available currently.

Campagnolo®'s integrated cups, available for Ultra-Torque™ cranksets, have the same functionality as other systems but with the added technical advantage of maintaining the widest stance possible for the bearings. This reduces lateral forces acting on the bearings and makes for a smoother and more reactive performance that is more durable over time.

ULTRA TORQUE™	THREAD		PRESS-FIT				
	ITA	BSA	BB30	BB86	PF30	BB RIGHT	BB386
	70x (36x24 tpi)	68x (1,37"x24 tpi)	68x42	86,5x41	68x46	79x46	86,5x46
							
	OC12-SRI	OC12-SRG					
							
							
							
							
							
	OC12-REI	OC12-REG	IC15-RE42	IC15-RE41	IC15-RE46	IC15-UTR51E	IC15-UT386



ROAD - RIM BRAKE

CARBON WHEELS

	NOMINAL WEIGHT [g]*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - mm (NOMINAL)	ULTRA-FIT™	LABELS	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES	DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	NUT/NIPPLE MATERIAL	O.L.D. [mm]	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY
<b>BORA™ ULTRA™ TT rear tub.</b>	864	carbon	D/20		B	carb				carbon				130	alu	•	C	black		9/10/11
<b>BORA™ ULTRA™ 35 rear tub.</b>	480	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		
<b>BORA™ ULTRA™ 35 rear tub.</b>	690	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 35 rear tub. (HG)</b>	690	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 front tub.</b>	520	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	carb	•		
<b>BORA™ ULTRA™ 50 rear tub.</b>	695	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 rear tub. (HG)</b>	695	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 80 front tub.</b>	705	carb	80/20		B/D	carb	16		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		
<b>BORA™ ULTRA™ 80 rear tub.</b>	815	carb	80/20		B/D	carb	18/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 80 rear tub. (HG)</b>	854	carb	80/20		B/D	carb	18/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ONE 35 front tub.</b>	505	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear tub.</b>	710	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear tub. (HG)</b>	710	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 front tub.</b>	545	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 50 rear tub.</b>	720	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 rear tub. (HG)</b>	720	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ULTRA™ 35 front cl.</b>	575	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		
<b>BORA™ ULTRA™ 35 rear cl.</b>	785	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 35 rear cl. (HG)</b>	785	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 front cl.</b>	630	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	carb	•		
<b>BORA™ ULTRA™ 50 rear cl.</b>	805	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 rear cl. (HG)</b>	805	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ONE 35 front cl.</b>	600	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear cl.</b>	805	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear cl. (HG)</b>	805	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 front cl.</b>	655	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 50 rear cl.</b>	830	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 rear cl. (HG)</b>	830	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11

ALU/CARBON WHEELS

<b>BULLET™ ULTRA™ front cl.</b>	727	alu/carb	50/20,5		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U/C	black	•		
<b>BULLET™ ULTRA™ rear cl.</b>	863	alu/carb	50/20,5		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U/C	black	•		9/10/11
<b>BULLET™ ULTRA™ rear cl. (HG)</b>	902	alu/carb	50/20,5		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U/C	black	•		9/10/11
<b>BULLET™ front cl.</b>	785	alu/carb	50/20,5		B	carb	18		RDB	SS	AE DB	BR	100	alu		S	black	•		
<b>BULLET™ rear cl.</b>	970	alu/carb	50/20,5		B	carb	21/G3™		RDB	SS	AE DB	BR	130	alu		S	black	•		9/10/11
<b>BULLET™ rear cl. (HG)</b>	1009	alu/carb	50/20,5		B	carb	21/G3™		RDB	SS	AE DB	BR	130	alu		S	black	•		9/10/11

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  
 B=Bright - D=Dark - BLK SAT=black satinized

\* Average weight - does not include the quick-release and the rim-tape - wheel weight may vary depending on the tolerance of the production process.



ROAD - RIM BRAKE

ALUMINIUM WHEELS

	NOMINAL WEIGHT [g]*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - mm (NOMINAL)	ULTRA-FIT™	LABELS	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES	DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	NIPPLE MATERIAL	O.L.D. [mm]	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY
SHAMAL™ MILLE™ front cl.	638	alu	24-27/22		D	blk sat	16		RDB	alu	AE DB		alu	100	alu/carb	•	U	blk/carb	•	
SHAMAL™ MILLE™ rear cl.	821	alu	27-30/22		D	blk sat	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ MILLE™ rear cl. (HG)	821	alu	27-30/22		D	blk sat	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ front cl.	623	alu	24-27/22		B	black	16		RDB	alu	AE DB		alu	100	alu/carb	•	U	blk/carb	•	
SHAMAL™ ULTRA™ rear cl.	826	alu	27-30/22		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ rear cl. (HG)	826	alu	27-30/22		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ 2-Way Fit™ front	641	alu	24-27/22	•	B	black	16		RDB	alu	AE DB		alu	100	alu/carb	•	U	blk/carb	•	
SHAMAL™ ULTRA™ 2-Way Fit™ rear	834	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ 2-Way Fit™ rear (HG)	834	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
EURUS™ front cl.	640	alu	24-27/20		B	black	16		RDB	alu	AE DB		alu	100	alu	•	S	black	•	
EURUS™ rear cl.	825	alu	27-30/20		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
EURUS™ rear cl. (HG)	864	alu	27-30/20		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
EURUS™ 2-Way Fit™ front	645	alu	24-27/20	•	B	black	16		RDB	alu	AE DB		alu	100	alu	•	S	black	•	
EURUS™ 2-Way Fit™ rear	840	alu	27-30/20	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
EURUS™ 2-Way Fit™ rear (HG)	879	alu	27-30/20	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
ZONDA™ front cl.	678	alu	24-27/22		B	black	16		RDB	SS	AE DB		BR	100	alu	•	S	black	•	
ZONDA™ rear cl.	862	alu	27-30/22		B	black	21/G3™		RDB	SS	AE DB		BR	130	alu	•	S	black	•	9/10/11
ZONDA™ rear cl. (HG)	862	alu	27-30/22		B	black	21/G3™		RDB	SS	AE DB		BR	130	alu	•	S	black	•	9/10/11
SCIROCCO™ front cl.	746	alu	35/22		B	• black	16			SS	AE DB		alu	100	alu		S	black	•	
SCIROCCO™ rear cl.	908	alu	35/22		B	• black	21/G3™			SS	AE DB		alu	130	alu		S	black	•	9/10/11
SCIROCCO™ rear cl. (HG)	908	alu	35/22		B	• black	21/G3™			SS	AE DB		alu	130	alu		S	black	•	9/10/11
KHAMSIN™ ASYMMETRIC front cl.	815	alu	24/20,5		B	• black	18			S			BR	100	alu		S	black		
KHAMSIN™ ASYMMETRIC G3™ rear cl.	975	alu	27,5/20,5		B	• black	24/G3™			S/SS			BR	130	alu		S	black		9/10/11
KHAMSIN™ ASYMMETRIC G3™ rear cl. (HG)	1014	alu	27,5/20,5		B	• black	24/G3™			S/SS			BR	130	alu		S	black		9/10/11
CALIMA™ front cl.	789	alu	24/22		B	• black	18			S			BR	100	alu		S	black		
CALIMA™ rear cl.	1037	alu	24/22		B	• black	27/G3™			S			BR	130	alu		S	black		9/10/11
CALIMA™ rear cl. (HG)	1089	alu	24/22		B	• black	27/G3™			S			BR	130	alu		S	black		9/10/11
NEUTRON™ ULTRA™ front cl.	630	alu	18/20,5		B	• black	22			SS	AE DB	•	alu	100	alu/carb	•	S	blk/carb		
NEUTRON™ ULTRA™ rear cl.	840	alu	18/20,5		B	• black	24			SS	AE DB	•	alu	130	alu/carb	•	S	blk/carb		9/10/11
NEUTRON™ ULTRA™ rear cl. (HG)	879	alu	18/20,5		B	• black	24			SS	AE DB	•	alu	130	alu/carb	•	S	blk/carb		9/10/11

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  
 B=Bright - D=Dark - BLK SAT=black satinized

\* Average weight - does not include the quick-release and the rim-tape - wheel weight may vary depending on the tolerance of the production process.



## ROAD - DISC BRAKE

## CARBON WHEELS

	NOMINAL WEIGHT [g]*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - mm (NOMINAL)	ULTRA-FIT™	LABELS	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES	DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	NIPPLE MATERIAL	O.L.D. (mm)	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY
<b>BORA™ ONE 35 front cl.</b>	690	carb	35/23,5		B/D	carb	24/G3™		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear cl.</b>	793	carb	35/23,5		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear cl. (HG)</b>	793	carb	35/23,5		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 front tub.</b>	585	carb	35/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear tub.</b>	691	carb	35/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear tub. (HG)</b>	691	carb	35/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 front tub.</b>	622	carb	50/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 50 rear tub.</b>	726	carb	50/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 rear tub. (HG)</b>	726	carb	50/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11

## ALUMINIUM WHEELS

<b>SHAMAL™ ULTRA™ 2-Way Fit™ front</b>	715	alu	24-27/22	•	B	black	21/G3™		RDB	alu	AE DB	alu	100	alu/carb	•	U	blk/carb	•		
<b>SHAMAL™ ULTRA™ 2-Way Fit™ rear</b>	842	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB	alu	130	alu	•	U	blk/carb	•		9/10/11
<b>SHAMAL™ ULTRA™ 2-Way Fit™ rear (HG)</b>	842	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB	alu	130	alu	•	U	blk/carb	•		9/10/11
<b>ZONDA™ DB front cl.</b>	786	alu	26-28/22		B	black	21/G3™		RDB	SS	AE DB	alu	100	alu	•	S	black	•		
<b>ZONDA™ DB rear cl.</b>	889	alu	26-28/22		B	black	21/G3™		RDB	SS	AE DB	alu	135-142	alu	•	S	black	•		9/10/11
<b>ZONDA™ DB rear cl. (HG)</b>	889	alu	26-28/22		B	black	21/G3™		RDB	SS	AE DB	alu	135-142	alu	•	S	black	•		9/10/11

## TRIATHLON - TIME TRIAL

<b>BORA™ ULTRA™ TT rear tub.</b>	864	carbon	D/20		B	carb				carbon			130	alu	•	C	black	•		9/10/11
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## PISTA

<b>GHIBLI™ front tub. track</b>	800	carb	D/20										100	alu	•	C				
<b>GHIBLI™ rear tub. track</b>	825	carb	D/20										120	alu	•	C				
<b>PISTA™ front tub. track</b>	995	alu	38/20		B	black	20			SS	AE	alu	100	alu	•	S	black			
<b>PISTA™ rear tub. track</b>	1040	alu	38/20		B	black	24			SS		alu	120	alu	•	S	black			
<b>BORA™ ULTRA™ 80 front tub. track</b>	705	carb	80/20		B	carb	16		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		

## KEY

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**B**=Bright - **D**=Dark - **BLK SAT**=black satinized

\* Average weight - does not include the quick-release and the rim-tape - wheel weight may vary depending on the tolerance of the production process.



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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2018



*Campagnolo*<sup>®</sup>

Technology and emotion

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# WHEELS

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## DISC BRAKE PROJECT

### CAMPAGNOLO® DISC BRAKE WHEELS

With the arrival of disc brakes into the ranks of not only the professional peloton but also amongst competitive and passionate cyclists all over the world, the demand for a disc brake wheelset truly worthy of the Campagnolo® name made the development of such a wheel a necessity.

**As a result, Campagnolo® engineers have worked tirelessly to create wheels those will come to represent the same standard for quality and performance as its rim-brake counterpart.**

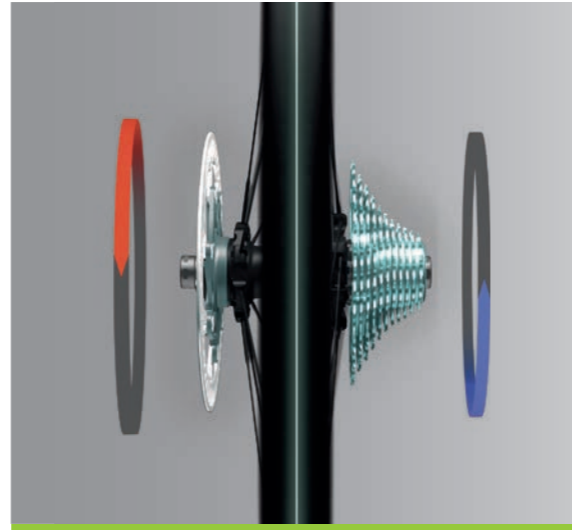
As disc brake transmissions become ever more popular, many brands have rushed to improvise disc brake wheelsets by simply taking the rims from their rim-brake offering and lacing them to disc brake hubs. Campagnolo® regards this as a compromise in performance, reliability and product integrity.

In fact, for the front wheel the braking forces on the disc side require an additional structural design. Just as occurs in the rear wheel, the asymmetric forces are combatted by using the G3™ spoke design. The front wheel utilises the double spokes on the disc side.

With the incorporation of Mega-G3™ spoke pattern, the hub manages the asymmetric forces generated by the disc brakes.



Modified version of the famous G3™ spoke pattern on the rear wheel



One piece solid construction to compensate for asymmetric forces from disc brakes



Modified version of the famous G3™ spoke pattern on the front wheel



### AC3™ (ALL CONDITIONS CARBON CONTROL) RIM TECHNOLOGY

It is a general consensus of opinion within the cycling world is that one of the major drawbacks of the carbon fibre racing rim is the reduced rim braking performance in the wet.

To combat this problem Campagnolo® has developed the All Conditions Carbon Control, or AC3™ Technology. The introduction of the meticulously researched textured design of the rim brake area creates a surefooted stopping power that is reliable and potent no matter what the weather will throw at you.

On the Campagnolo® Bora™ rim brake wheelset range, under dry conditions, the new technology increases braking performance by 3% compared to the previous Bora™ while increasing the distance from its closest competitor by over 6%.

However, it is when the weather conditions deteriorate that the AC3™ technology permits the Bora™ to excel increasing braking performance an astonishing 43% over previous Campagnolo® models. **The powerful braking of AC3™ represents a nearly 55% performance gap over that of its closest competitor making for a significant advantage when the heat of the race is on.**



### CULT™: CERAMIC ULTIMATE LEVEL TECHNOLOGY

A truly efficient wheel is not only aerodynamically efficient but also must roll as smoothly as possible.

Technologically advanced superior quality ceramic bearings in addition to the precision machining of the cup/cone structure and absence of grease drastically reduce friction and increase the smoothness of the wheel by as much as 9 times when compared to standard bearings. An outstanding result achieved by using cutting-edge technologies in the field of materials processing.

Laboratory tests prove the efficiency of CULT™ technology. Spinning a wheel with CULT™ technology at 500 RPM and allowing it to decelerate show the Campagnolo® wheel to continue its motion for a full 45 minutes. **In other words, CULT™ ceramic bearings are 9 times more efficient than standard bearings, allowing you to waste less energy, increase your speed and push your limits even farther.**



### USB™: CERAMIC ULTRA SMOOTH BEARINGS

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) increase smoothness, decrease rolling resistance, reduce weight and reduce 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.





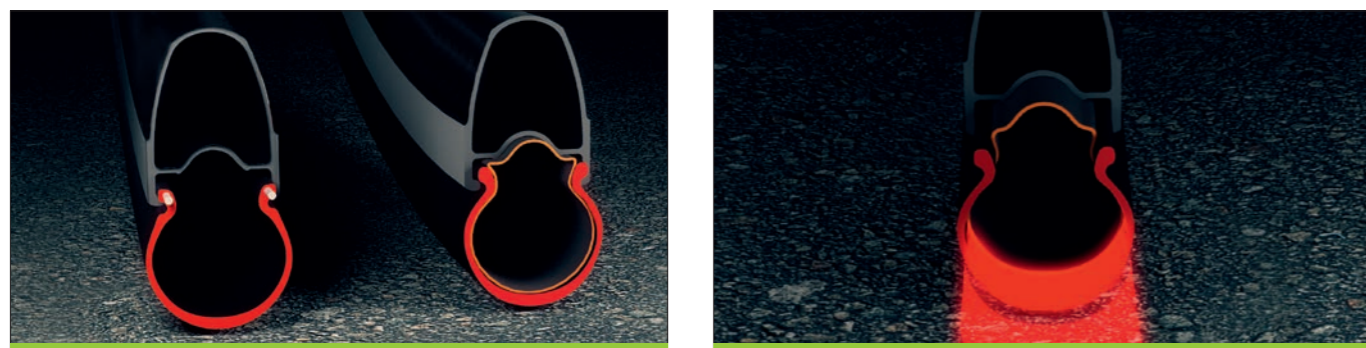
### 2-Way Fit™ technology makes it possible to mount either tubless or clincher tires on the same rim.

With 2-Way Fit™ Campagnolo® customers can decide on any given day to use either clincher or tubless tires as the wheel is perfectly compatible with both systems.

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 terms of safety.

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.

## MoMag™

### What is MoMag?

A technology that offers several advantages to the structural integrity of the wheel as well as eliminating the need for rim tape. The name derives from "Mounting Magnet" system, shortened to 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!

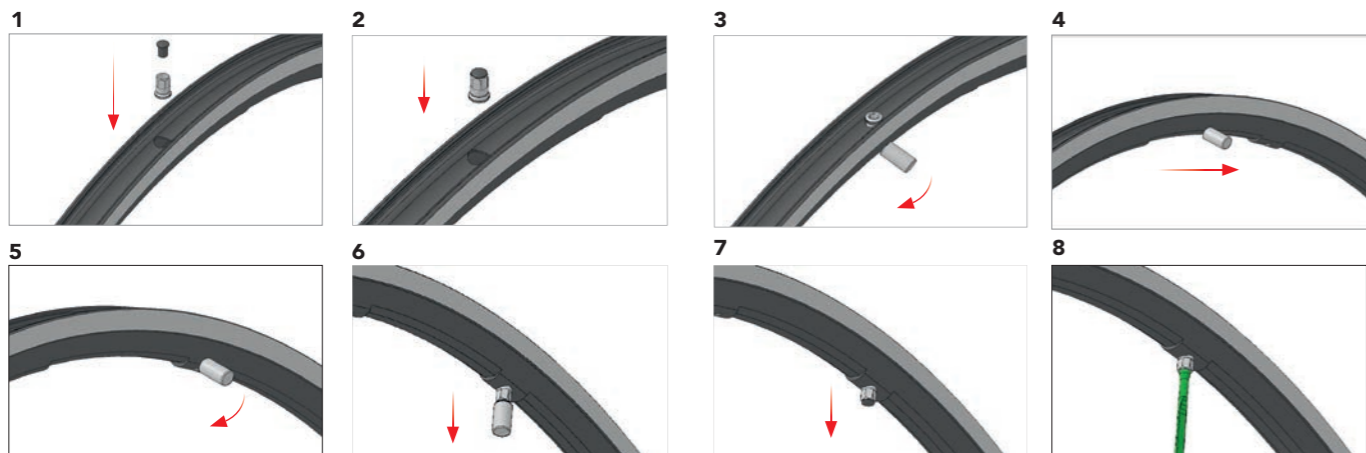
### Advantages

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®.



### 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 2014 G3™ becomes Mega-G3™ thanks to the oversize flange and an increase in lateral and torsional stiffness results.



## SPOKE ANTI-ROTATION SYSTEM

The Campagnolo® Bora™ Ultra, Bora™ One, Bullet™ Ultra, Bullet™, Shamal™, Eurus™, Zonda™ and Scirocco™ wheels feature a spoke antirotation system patented by Campagnolo® that raises spoke performance to an unprecedented level.

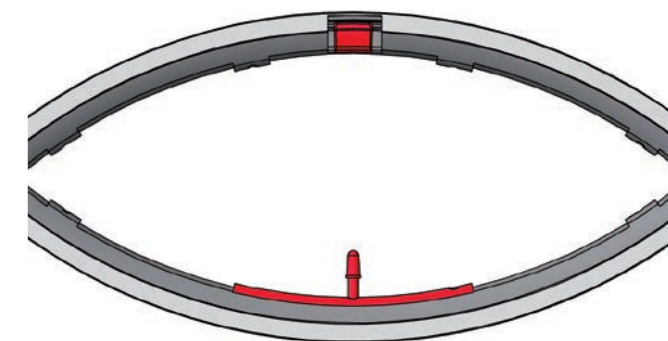
Campagnolo® designers studied the spoke-hub interface from the ground up to create a coupling system that would keep the spokes always in the exact identical position. This means that the spokes of Campagnolo® wheels do not rotate, so there is no loss of tension during use and the aerodynamic penetration is not compromised.



## DYNAMIC BALANCE™

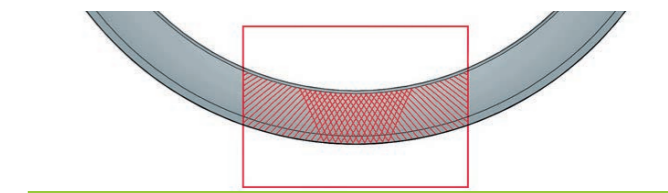
### RIM DYNAMIC BALANCE™ – ALUMINUM WHEELS

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.



### RIM DYNAMIC BALANCE™ – CARBON WHEELS

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.





## CAMPAGNOLO<sup>®</sup> AND CERTILOGO<sup>®</sup> AGAINST COUNTERFEITING: A TANGIBLE ANSWER THAT PROTECTS OUR CLIENTS' SAFETY AND PURCHASES.

Top-end Campagnolo<sup>®</sup> wheels are considered by the market and by aficionados to be reference products and as such are highly desirable. They have therefore also become appetizing to counterfeiters who have cloned some of our models (especially those in carbon fiber) releasing considerable numbers onto the international markets.

The wheel is a performance product, but also a safety component. This aspect means that those who purchase a fake product, while saving money on something that clearly costs much less than the going market price, puts their personal safety at great risk. The materials and production processes that together help to achieve a safe performing product are obviously not the same.

With the aim of fighting and combating these counterfeiters, Campagnolo<sup>®</sup> is the first in the cycling sector to have put in place, thanks to the support of Certilogo<sup>®</sup>, a control system that enables our clients to authenticate the product simply and immediately.

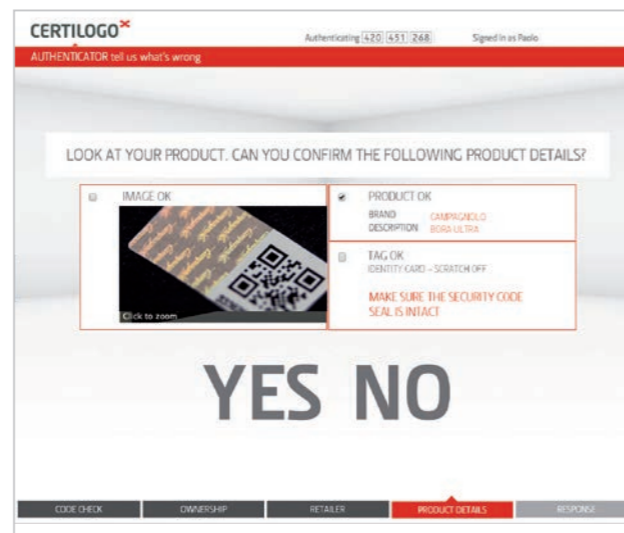
Starting with the products in the 2015 catalogue, each pair of Campagnolo<sup>®</sup> wheels in the Bora™ and Hyperon™ lines (see details) comes with an individual ID code (the Certilogo<sup>®</sup> Code or CLG Code) on a swing tag attached to a spoke on the wheel.

The tag will comprise a Certilogo<sup>®</sup> Code (in both numerical and QR code) that allows anyone, before or after purchase to check that the product is authentic. To authenticate Campagnolo<sup>®</sup> wheels, just visit [www.certilogo.com](http://www.certilogo.com), insert the CLG Code given on the tag or download the Certilogo APP free from Apple Store.

The tag will also have a Security Code covered by a silver stripe (technology similar to that used on mobile top-up cards). In certain circumstances, the end user (and only the end user) may be required to enter this code by Certilogo<sup>®</sup>. This countercheck may be useful, for example, in the case of online sales (when the client has no guarantee that the product viewed is the same one supplied).

We suggest you keep the Campagnolo<sup>®</sup> Original Wheels tag even after product authentication for possible future use and, if necessary, to confirm ownership of the product.

**Warning: wheels without a tag bearing a CLG Code should be considered NOT ORIGINAL. Used wheels bought without their original tag bearing a CLG Code should be considered of uncertain origin.**



### PRODUCTS COVERED BY THE AUTHENTICATION SERVICE

The Campagnolo<sup>®</sup> Original Wheels tag is present on a spoke of the following wheels starting from the 2015 range:

**Bora™ Ultra 35, Bora™ One 35, Bora™ Ultra 50, Bora™ One 50, Bora™ Ultra 80, Hyperon™ Ultra** (released from the Campagnolo warehouse from 1st October 2014)

Should you not find a Campagnolo<sup>®</sup> Original Wheels tag on the above listed wheels, immediately notify your nearest Pro-Shop™ or Campy Code™ store or Campagnolo Srl directly (addresses at [www.campagnolo.com](http://www.campagnolo.com))



Since its birth over 80 years ago Campagnolo<sup>®</sup> has been dedicated to continuous innovation in order to produce the best, most competitive and reliable products possible. To continually push the limits in this way is the work of the engineers of the Campy Tech Lab™.

Even the smallest details and material choices are painstakingly scrutinized in an effort to produce what is often to become the newest performance standard. As a result, our testing department is one of the most important areas of the entire operation and each and every product must go through strenuous and extreme testing before it earns the right to bear the Campagnolo<sup>®</sup> name. We test at levels above and beyond anything required and as a result produce products that are a step ahead.

- **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:** simulates the impact of the wheel in differing situations. Campagnolo<sup>®</sup> crash tests have successfully passed all requirements stipulated by the UCI.
- **Tyre burst test:** all Campagnolo<sup>®</sup> wheels are tested at inflation pressures well above those indicated on the tyre.
- **Environment test:** exposure to UVA and UVB rays, salt attack and exposure to moisture: these are the tests that all Campagnolo<sup>®</sup> wheels must pass to ensure maximum performance and reliability over time.



## HOLOGRAM CAMPAGNOLO<sup>®</sup>



Campagnolo<sup>®</sup> carbon fibre wheels are among the most highly sought-after components of their kind in the racing cycle world, and this inevitably attracts the attention of counterfeiters.

Starting from 2013 to defend its image and quality, and to protect the end customer, Campagnolo<sup>®</sup> applies a hologram decal to every wheel in its Bora range to certify that it is an original Campagnolo<sup>®</sup> product.

Demanding proof that you have purchased an original Campagnolo<sup>®</sup> product is your right as a consumer, and also offers the peace of mind of knowing that you can make full use of the superlative performance these wheels were designed to deliver. Proof of originality also certifies that the wheel was built to Campagnolo<sup>®</sup>'s stringent standards and has passed all of our quality control tests.

Please note that the manufacturer's guarantee and all the support services offered are only valid for original products.

## TRACEABILITY



**The keyword for our products is: traceability.**

If you find a little label affixed to Campagnolo<sup>®</sup> 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<sup>®</sup> demands absolute perfection and safety for its customers.



Because finding the perfect wheel means having the correct information.

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:

no race course in cycling is a straight line and dealing with curves or changing directions quickly can often times make a difference in race results. Many factors determine how well a wheel handles and to evaluate this indicator we take into consideration the geometry of the spokes, lacing patterns, hub design, cross section of the rim, materials employed and even the type of tire to be used.

#### AERODYNAMICS:

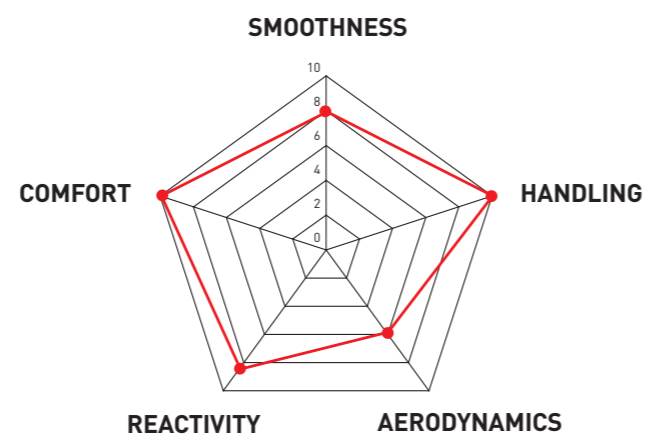
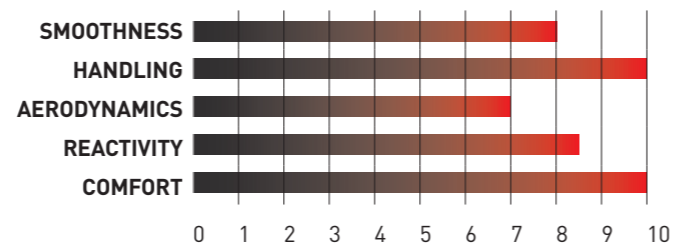
indicates the performance features of the wheel in terms of its propensity to penetrate the air. This factor depends on the height and profile of the rim, the section and form of the spokes, and the degrees of camber of the wheel.

#### 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.



		SMOOTHNESS	HANDLING	AERODYNAMICS	REACTIVITY	COMFORT
<b>CARBON WHEELS</b>						
BORA™ ULTRA™ TT	Rim Brake	10	6	10	7,5	5
BORA™ ULTRA™ 80	Rim Brake	10	7	10	9	8
BORA™ ULTRA™ 50	Rim Brake	10	9,5	9,5	10	9
BORA™ ULTRA™ 35	Rim Brake	10	9,5	9	9	9
BORA™ ONE 50	Disc Brake	9	7,5	9,5	9,5	7
BORA™ ONE 50	Rim Brake	9	9,5	9,5	9,5	9
BORA™ ONE 35	Disc Brake	9	8	9	9	10
BORA™ ONE 35	Rim Brake	9	9,5	9	9	9
<b>ALUMINIUM/CARBON WHEELS</b>						
BULLET™ ULTRA™	Rim Brake	10	8	9,5	7,5	8
BULLET™	Rim Brake	8,5	8	9,5	7,5	8
<b>ALUMINIUM WHEELS</b>						
SHAMAL™ MILLE™	Rim Brake	9	9,5	8,5	9,5	8
SHAMAL™ ULTRA™	Disc Brake	9	9	8,5	8,5	8
SHAMAL™ ULTRA™	Rim Brake	9	9,5	8,5	9,5	8
EURUS™	Rim Brake	8	9	8,5	8,5	8
ZONDA™	Disc Brake	8	8,5	8,5	8,5	8,5
ZONDA™	Rim Brake	8	9	8,5	8	8,5
SCIROCCO™	Rim Brake	7,5	9,5	9	7,5	7
KHAMSIN™ ASYMMETRIC	Rim Brake	7,5	8,5	7,5	6,5	8,5
CALIMA™	Rim Brake	7,5	8,5	7	7	7
NEUTRON™ ULTRA™	Rim Brake	8	10	6	8,5	10

#### What is the Campagnolo® Quick Release?

The Campagnolo® Quick Release is more than just a wheel retention system that acts as an axle. It is highly symbolic as it is the single piece from which the long and glorious history of Campagnolo® was born. The company's objective of continuously innovating to improve the cycling experience started with the quick release and it remains a functional and necessary symbol to this creed even now. Maximum performance in terms of assembly/disassembly ease, weight and smoothness of the wheel 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 a few years ago, for the Bullet™ Ultra™ family and full-carbon wheels Campagnolo® incorporates a more aerodynamic version of the quick release. 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.



#### CARBON WHEELS

BORA™ ULTRA™ TT				•
BORA™ ULTRA™ 80				•
BORA™ ULTRA™ 50				•
BORA™ ULTRA™ 35				•
BORA™ ONE™ 50				•
BORA™ ONE™ 35				•

#### ALUMINIUM/CARBON WHEELS

BULLET™ ULTRA™				•
BULLET™		•		

#### ALUMINIUM WHEELS

SHAMAL™ MILLE™			•	
SHAMAL™ ULTRA™			•	
EURUS™			•	
ZONDA™ Disc Brake		•		
ZONDA™ Rim Brake		•		
SCIROCCO™		•		
KHAMSIN™ ASYMMETRIC	•			
CALIMA™	•			
NEUTRON™ ULTRA™				•





## CARBON WHEELS



In 2018, the Bora™ family sees yet another technological breakthrough applied to its 50mm, 35mm and lenticular profiles with the introduction of a new braking track treatment. AC3™ (All Conditions Carbon Control) technology guarantees an increased high-performance braking capacity in any weather, bringing stopping times in the wet close to those in dry conditions.

The quality of Bora™ is no longer limited to rim brakes as Campagnolo® has now introduced both 50 and 35mm solutions specifically designed around the unique structural needs that disc brake technology represents. Now for quality, high-performance, reliable race-winning wheelsets, whether you choose rim or disc brake, there is but one choice: BORA.

<b>BORA™ ULTRA™ TT</b>	Rim Brake	<b>64</b>
<b>BORA™ ULTRA™ 80</b>	Rim Brake	<b>65</b>
<b>BORA™ ULTRA™ 50</b>	Rim Brake	<b>66</b>
<b>BORA™ ULTRA™ 35</b>	Rim Brake	<b>67</b>
<b>BORA™ ONE™ 50</b>	Disc Brake - Rim Brake	<b>68 - 69</b>
<b>BORA™ ONE™ 35</b>	Disc Brake - Rim Brake	<b>70 - 71</b>



Since its introduction, the Bora™ Ultra™ TT has accompanied cyclists of the highest caliber in winning international medals in time trials. In 2017, despite such success, the Campagnolo® road lenticular wheel was innovated even further, improving upon its main characteristics of low weight and extreme stiffness. The new Bora™ Ultra™ TT in fact weighs nearly 111 g less than the previous model and is 8% stiffer than the stiffest competitor's wheel. The Campy Tech Lab™ has focused additionally on creating a product that meets the needs of time trial bike braking systems and the results are impressive. The 2018 range sees the addition of the new AC3™ (All Conditions Carbon Control) Technology braking surface, which brings braking performance in wet conditions closer to that found on dry conditions.

RIGHT SIDE

LEFT SIDE



Tubular: 864 g



**WHEEL DEVELOPED FOR THE TIME TRIAL FRAME:**

extremely stiff structure further eliminates flex near the bottom bracket, namely where the rear brake is positioned on most time trial frames, thus avoiding any possible friction with the brake itself.

**FULL HIGH MODULUS CARBON RIM FOR TUBULAR**

**AC3™ (ALL CONDITIONS CARBON CONTROL) BRAKING SURFACE TECHNOLOGY:** improves the braking performances on dry and, above all, on wet conditions.

**BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS:**

the special blend increases the brake performance on both dry and wet surfaces without increasing the wear and tear on the pad or wheel.

**FULL CARBON DISC IN A SPECIALLY DEVELOPED WEAVE**

**PROFILE:** extreme new design reduces profile on both drive and non-drive sides for an even slimmer and more aerodynamic design.

**GRAPHICS FEATURING THE "WINGED WHEEL":** the legendary Campagnolo® "Winged Wheel" logo identifies Campagnolo® lenticular wheels that use the very latest carbon fiber technologies.



**BEARINGS WITH CULT™ TECHNOLOGY:** the combination between the highest quality ceramic bearings and housing in special steel. CULT™ makes the wheel nine times smoother than the standard system of steel bearings.

**CUP AND CONE BEARINGS:** easy bearing adjustment – reduces the possibility bearing play – precision operation – maintains performance over time.

**LIGHTWEIGHT AND EXTREMELY RIGID ALUMINIUM HUB CONSTRUCTION**

**CASSETTE:** compatible with Campagnolo® 10 and 11 speed cassettes as well as Shimano Inc. 9, 10, and 11 speed cassettes.

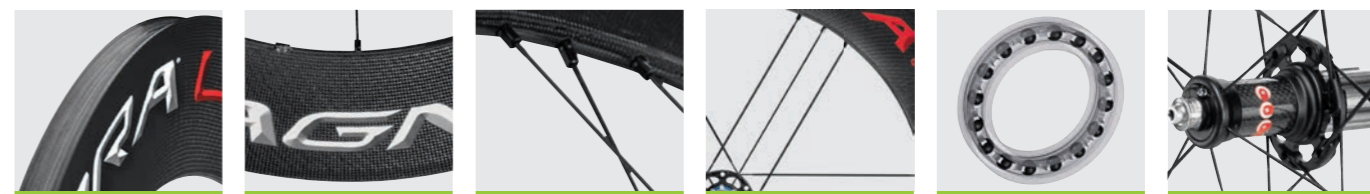
The Bora name is synonymous not only with a famous wind but also with the highest performing wheels in the professional peloton. The relatively new 80mm rim profile is yet another high performance option from the Bora™. Extremely light, lightning quick reactivity and highly aerodynamic the Bora™ Ultra™ 80 is a wheel that commands respect. Add CULT™ bearings that make it 9 times smoother than a traditional system and this wheel strikes fear into its adversaries. Designed for professionals, available to everyone. The Bora™ Ultra™ 80 becomes even lighter thanks to the water transfer graphics that also gives this wheel the elegance it deserves.

REAR WHEEL  
Bright label

FRONT WHEEL  
Dark label



Tubular: 1520 g



**FULL CARBON HIGH PROFILE FOR 80mm TUBULAR:**

provides the maximum aerodynamic penetration. Extremely high lateral wheel stiffness and reactivity.

**EXCLUSIVE PRESSING SYSTEM FOR THE RIM IN UNPAINTED CARBON:**

elegant polished finish is result of advanced and patented production technique. Eliminating need for paint keeps weight lower.

**BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS:**

the special blend increases the brake performance on both dry and wet surfaces without increasing the wear and tear on the pad.

**RDB™ RIM DYNAMIC BALANCE**

**SPOKES WITH AERODYNAMIC PROFILE:**

provides the maximum aerodynamic penetration. Reduces aerodynamic drag saving rider energy.

**EXCLUSIVE G3™ SPOKE PATTERN:**

perfect balance of spoke tension 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.

**SELF-LOCKING ALUMINIUM NIPPLES**



**BALL BEARINGS WITH CULT™ TECHNOLOGY:** the combination between the highest quality ceramic bearings and housing in special steel. CULT™ makes the wheel nine times smoother than the standard system of steel ball bearings.

**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**

**ALUMINIUM AXLE**



Innovating the wheel that has become perhaps the benchmark for quality, performance and race victories at the highest level of cycling was certainly an arduous task but one that the Campy Tech Lab™ engineers met with enthusiasm. The result of their labor was the 2015 range Bora™ Ultra™ 50 which maintains the positive performance aspects of the preceding version while incorporating new solutions and technologies to build further upon its race-winning potential. The wider stance brings forth a more efficient, comfortable and sharp handling wheelset without additional weight. Add the super reactive construction, smooth rolling CULT™ bearings, aerodynamic profile it is no wonder why the Bora™ has become one of the winningest wheels in history. The 2018 range sees the addition of the new AC3™ (All Conditions Carbon Control) Technology braking surface, which brings braking performance in wet conditions closer to that found on dry conditions.

**REAR WHEEL**  
Bright label

**FRONT WHEEL**  
Dark label



Tubular: 1215 g  
Clincher: 1435 g



**FULL-CARBON RIM, 24.2mm WIDE, FOR TUBULARS AND CLINCHERS:**

handbuilt and technologically advanced carbon fiber rim. New wider profile increases rigidity and comfort without adding weight. Wider stance improves tire/rim interface, thus improving handling and aerodynamics.

**EXCLUSIVE RIM PRINTING SYSTEM:**

rim painting no longer required. The weight is greatly reduced and the surface is free from imperfections.

**AC3™ (ALL CONDITIONS CARBON CONTROL) BRAKING SURFACE TECHNOLOGY:**

improves the braking performances on dry and, above all, on wet conditions.

**BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS**

**RDB™ RIM DYNAMIC BALANCE**

**SPOKES WITH AERODYNAMIC PROFILE:**

provides the maximum aerodynamic penetration. Reduces aerodynamic drag saving rider energy.

**EXCLUSIVE G3™ SPOKE PATTERN:**

perfect balance of spoke tension 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.

**SELF-LOCKING ALUMINIUM NIPPLES**



**CULT™:**

the combination of the highest quality ceramic bearings with housing in special 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.

**CUP AND CONE BEARINGS:**

easy bearing adjustment.

**OVERSIZED FLANGE:**

greater torsional stiffness and greater reactivity.

**ALUMINIUM AXLE**

reduces the weight of the wheel.

The Bora™ Ultra™ 35 has been welcomed with open arms by the strongest professional riders in the World Tour since its introduction and has now become a wheel that they cannot do without.

Available in both clincher and tubular versions the 35mm profile Bora™ Ultra™ 35 is perhaps the most versatile wheelset ever offered by Campagnolo®. Light enough to be considered a climber's wheel but with an aerodynamic profile that aids on the flats and is plenty rigid for the most hotly contested sprint finish. This is a wheelset that represents no compromise and excels in any condition and over any course. The 2018 range sees the addition of the new AC3™ (All Conditions Carbon Control) Technology braking surface, which brings braking performance in wet conditions closer to that found on dry conditions.

**REAR WHEEL**  
Bright label

**FRONT WHEEL**  
Dark label



Tubular: 1170 g  
Clincher: 1360 g



**FULL-CARBON RIM, 24.2mm WIDE, FOR TUBULARS AND CLINCHERS:**

handbuilt and technologically advanced carbon fiber rim. New wider profile increases rigidity and comfort without adding weight. Wider stance improves tire/rim interface, thus improving handling and aerodynamics.

**AC3™ (ALL CONDITIONS CARBON CONTROL) BRAKING SURFACE TECHNOLOGY:**

improves the braking performances on dry and, above all, on wet conditions.

**BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS**

**RDB™ RIM DYNAMIC BALANCE**

**SPOKES WITH 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 spoke tension 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.

**SELF-LOCKING ALUMINIUM NIPPLES**



**CULT™:**

the combination of the highest quality ceramic bearings and housing in special steel. Nine times smoother than the standard system.

**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**

**ALUMINIUM AXLE**



The Bora™ One 50 disc brake is the perfect answer for cyclists searching for deep profiles capable of offering significant aerodynamic advantages while remaining lightweight and reactive for even the steepest climbs. Its extremely sophisticated carbon fiber rim and its 24.2 mm width offers a rim/tire interface optimized for the use of both 25 and 28mm tires by creating a more aerodynamic complete unit and a more efficient and surefooted structure. The Bora™ One 50 disc brake wheelset represents the same quality, performance and reliability that made its rim-brake predecessor such an iconic wheel. While it incorporates many technologies used in the rim brake version it is a completely new project and has been specifically designed in its entirety for the unique demands that come with disc brake construction. Only a wheel whose every single part has been functionally designed around its use with disc brakes can boast complete compatibility: accept no compromises.

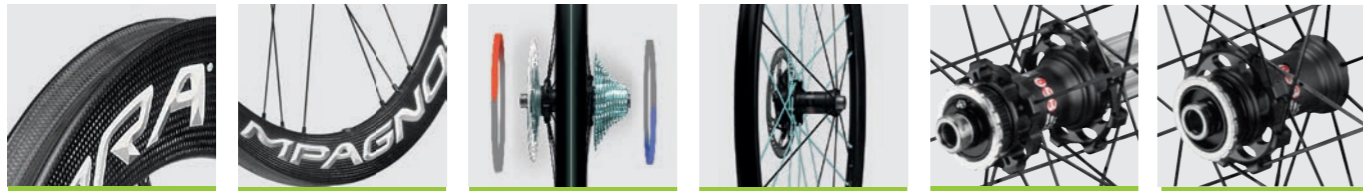
**REAR WHEEL**  
Bright label

**FRONT WHEEL**  
Dark label



**DISC BRAKE**  
PROJECT

Tubular: 1348 g



**RIM DESIGN:**

Full Campagnolo-carbon rim, 24.2 mm wide and 50 mm deep for both front and rear.

**AVAILABLE IN TUBULAR VERSION ONLY**

**RDB™ RIM DYNAMIC BALANCE:**

when manufacturing carbon rims, the carbon fibre is aligned in such a manner that the resulting rim is perfectly balanced.

**ADVANCED RESIN AND CARBON FIBRE TECHNOLOGY:**

the carbon fibre is held in place in the mould using a resin formula that guarantees a superior finish, durability and withstands UV rays over time.

**BLACK ANODIZED SELF-LOCKING NIPPLES TO ELIMINATE SPOKE ROTATION**

**MODIFIED VERSION OF THE FAMOUS G3™ SPOKE PATTERN ON THE REAR WHEEL**

**MODIFIED VERSION OF THE FAMOUS G3™ SPOKE PATTERN ON THE FRONT WHEEL:**

asymmetric forces are combatted by using the G3™ spoke design, permitting improved equal spoke tension. This ensures extremely good stiffness and reactivity, reinforcing the disc side and so increasing braking torque resistance.



**USB™ ULTRA SMOOTH BEARINGS:**

top quality ceramic bearings create a perfectly smooth, resistance and maintenance free rolling.

**ADJUSTING LOCKING WITH MICRO-SETTING:**

for precision hub adjustment.

**ALUMINIUM HUB SHELL:**

permits an improved torque transfer across hub during the braking phase.

**NEW FLANGE ROAD DESIGN:**

allows integration with the AFS rotor on the braking force, transmission side.

The Bora™ One™ 50 uses the same rim as its Ultra™ brethren and thus brings along with it all of the performance that is afforded to that top end wheelset. The new wider profile brings forth a more efficient tire/rim interface, better handling, increased aerodynamics, additional comfort and optimization for use with 25/28mm tires. The 2018 range sees the addition of the new AC3™ (All Conditions Carbon Control) Technology braking surface, which brings braking performance in wet conditions closer to that found on dry conditions. The same race-day technologies interpreted with different materials in the hub and bearings make this one wheelset capable of propelling you to the top-step of the podium at a more modest price point.

**REAR WHEEL**  
Bright label

**FRONT WHEEL**  
Dark label



Tubular: 1265 g  
Clincher: 1485 g



**FULL-CARBON RIM, 24.2mm WIDE, FOR TUBULARS AND CLINCHERS:**

handbuilt and technologically advanced carbon fiber rim. New wider profile increases rigidity and comfort without adding weight. Wider stance improves tire/rim interface, thus improving handling and aerodynamics.

**EXCLUSIVE RIM PRINTING SYSTEM:**

rim painting no longer required. The weight is greatly reduced and the surface is free from imperfections.

**AC3™ (ALL CONDITIONS CARBON CONTROL) BRAKING SURFACE TECHNOLOGY:**

improves the braking performances on dry and, above all, on wet conditions.

**BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS**

**RDB™ RIM DYNAMIC BALANCE**

**SPOKES ANTI-ROTATION SYSTEM™:**

allows the spokes to maintain the best aerodynamic position.

**EXCLUSIVE G3™ SPOKE PATTERN:**

perfect balance of spoke tension 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.



**USB™ CERAMIC BALL BEARINGS:**

reduces friction, provides greater smoothness, and maintains performance over time.

**ALUMINIUM HUB BODY**

**CONE/CUP BEARINGS SYSTEM:**

high-performance ceramic bearings teamed with the cone/cup system ensure long-lasting performance, make adjustment easier, reduce possible play and improve smoothness.

**ALUMINIUM AXLE:**

reduces the weight of the wheel.

**OVERSIZED FLANGE:**

greater torsional stiffness and greater reactivity.



Campagnolo® has developed the Bora™ One Disc Brake wheelset, a completely new interpretation, extracting our rim brake version know-how and expertise and injecting new logic and technology to achieve some exciting results.

The Bora™ One is possibly the most sophisticated carbon fibre wheel currently available on the market and one of the few that have been designed specifically for disc brakes.

Extreme lightness while ensuring stiffness, resistance to impacts and perfect wheel balancing, available in Clincher and Tubular versions, in 35mm rim height, creating a wheel that is versatile for every road profile.

#### REAR WHEEL

Bright label

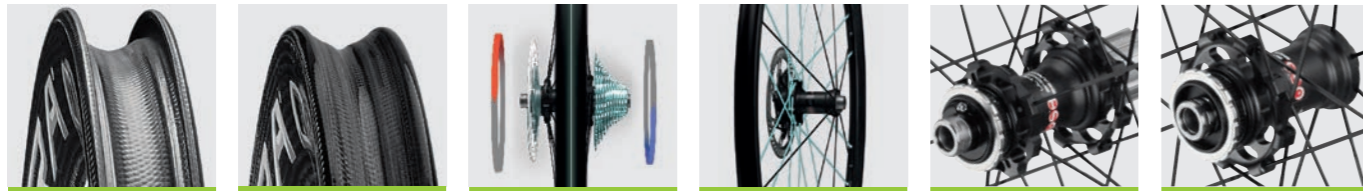
#### FRONT WHEEL

Dark label



DISC BRAKE PROJECT

Tubular: 1276 g  
Clincher: 1483 g



#### RIM DESIGN:

Full-carbon rim 23,5 mm width for the clincher version and 24,2 mm for tubular, with manual positioning of the carbon fibre textures, creating a perfect balance between weight and performance, when matched with 25 mm tyres the Bora™ One reaches new levels of comfort.

#### AVAILABLE IN CLINCHER AND TUBULAR VERSIONS:

versatile use and easy replacement of the inner tube in the event of a puncture for the clincher version. Maximum smoothness and handling performance for tubulars.

#### RDB™ RIM DYNAMIC BALANCE:

when manufacturing carbon rims, the carbon fibre is aligned to create a perfectly balanced rim.

#### ADVANCED RESIN AND CARBON FIBRE TECHNOLOGY:

the carbon fibre is held in place in the mould using a resin formula that guarantees a superior finish, durability and withstands UV rays over time.

#### BLACK ANODIZED SELF-LOCKING NIPPLES TO ELIMINATE SPOKE ROTATION

#### MODIFIED VERSION OF THE FAMOUS G3™ SPOKE PATTERN ON THE REAR WHEEL

#### MODIFIED VERSION OF THE FAMOUS G3™ SPOKE PATTERN ON THE FRONT WHEEL:

asymmetric forces are combatted by using the G3™ spoke design, permitting improved spoke tension equilibrium. This ensures extremely good stiffness and reactivity, reinforcing the disc side to increase braking torque resistance.



#### USB™ ULTRA SMOOTH BEARINGS:

top quality ceramic bearings create a perfectly smooth, resistance and maintenance free rolling.

#### ADJUSTING LOCKING WITH MICRO-SETTING:

for precision hub adjustment.

#### ALUMINIUM HUB SHELL:

permits an improved torque transfer across hub during the braking phase.

#### NEW FLANGE ROAD DESIGN:

allows integration with the AFS rotor on the braking force transmission side.

The same 35mm rim as found on the Ultra™ version, the Bora™ One™ 35 offers fantastic performance technologies such as the Campagnolo® quality carbon construction and a new wider and more efficient stance.

Super smooth USB™ ceramic bearings and a solid and reactive aluminum construction hub laced to aerodynamic spokes this most versatile of wheelsets is ready to take on anything you can put in front of it.

The 2018 range sees the addition of the new AC3™ (All Conditions Carbon Control) Technology braking surface, which brings braking performance in wet conditions closer to that found on dry conditions.

#### REAR WHEEL

Bright label

#### FRONT WHEEL

Dark label



Tubular: 1215 g  
Clincher: 1405 g



#### FULL-CARBON RIM, 24.2mm WIDE, FOR TUBULARS AND CLINCHERS:

handbuilt and technologically advanced carbon fiber rim. New wider profile increases rigidity and comfort without adding weight. Wider stance improves tire/rim interface, thus improving handling and aerodynamics.

#### EXCLUSIVE RIM PRINTING SYSTEM

#### AC3™ (ALL CONDITIONS CARBON CONTROL) BRAKING SURFACE TECHNOLOGY:

improves the braking performances on dry and, above all, on wet conditions.

#### BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS

#### RDB™ RIM DYNAMIC BALANCE

#### SPOKES ANTI-ROTATION SYSTEM™:

allows the spokes to maintain the best aerodynamic position.

#### EXCLUSIVE G3™ SPOKE PATTERN:

perfect balance of spoke tension 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:

allows for the high degree of air penetration.



#### USB™ CERAMIC BALL BEARINGS:

reduces friction, provides greater smoothness, and maintains performance over time.

#### ALUMINIUM HUB BODY

#### CONE/CUP BEARINGS SYSTEM:

high-performance ceramic bearings teamed with the cone/cup system ensure long-lasting performance, make adjustment easier, reduce possible play and improve smoothness.

#### ALUMINIUM AXLE:

reduces the weight of the wheel.

#### OVERSIZED FLANGE:

greater torsional stiffness and greater reactivity.





## ALU/CARBON WHEELS

Aerodynamic advantages aren't only for professional athletes. They give benefits to all cyclists. With Campagnolo's alu-carbon line of wheels you too can take advantage of aero and use it to slip by the competition. The performance profiles are derived from the world-class and widely coveted BORA™ full carbon line but offer the benefit of an aluminum braking surface.

**BULLET™ ULTRA™**  
**BULLET™**

73  
74

Campagnolo® performance and quality in an Aluminum- Carbon construction. The Bullet™ Ultra™ offers serious performance advantages for the expert rider while including an aluminum braking surface. Special aluminum-carbon construction method coupled with an oversize hub, G3™ spoke lacing pattern and DRSC™ (Directional Rim-Spoke Coupling) system makes for an explosive wheelset that is both responsive and precise. Superior quality bearings also ensure efficiency and smooth functionality. Available in both "Dark" and "Bright" versions.

**REAR WHEEL**  
Bright label



**FRONT WHEEL**  
Dark label



Clincher: 1590 g



**EXCLUSIVE MOLDING SYSTEM FOR THE RIM**  
**ELIMINATES THE NEED FOR PAINT**

**RDB™ RIM DYNAMIC BALANCE**

**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 integrity – makes rim tape unnecessary and reduces the weight of the wheel.

**G3™ SPOKE PATTERN**

**SELF-LOCKING OVERSIZE ALUMINIUM NIPPLES**

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

**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**



**BEARINGS WITH CULT™ TECHNOLOGY:**  
the combination between the highest quality ceramic bearings and housing in special steel. CULT™ makes the wheel nine times smoother than the standard system of steel bearings.

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

**ALUMINIUM AXLE**

**ALUMINIUM HUB BODY**



Quality Campagnolo® Carbon construction mated with a fantastic aluminum milled braking surface make for a competition-ready wheelset that brings the best of both carbon and aluminum construction methods. Highly aerodynamic thanks to the easily moldable properties of carbon fiber make this wheelset ready to slice through the wind while adding very few grams to the overall unit. The aluminum braking track offers reliable and sound braking performance and allows you to swap between raceday hoops and training wheels without the need to change brakepads.

REAR WHEEL

FRONT WHEEL



Clincher: 1755 g



#### 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.

#### EXCLUSIVE MOLDING SYSTEM FOR THE RIM ELIMINATES THE NEED FOR PAINT

#### RDB™ RIM DYNAMIC BALANCE

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

#### SPOKES ANTI-ROTATION SYSTEM™

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

#### G3™ SPOKE PATTERN

**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

#### 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 WHEELS

From the iconic, range-leading Shamal™ Ultra to the newest member of the family Calima™, the Campagnolo® range of aluminum wheels is without equal in the cycling marketplace. Incorporating advanced technologies and sophisticated performance solutions for both rim and disk brake specific uses alike makes for a range that offers the perfect solution for any cyclist.

Dynamic Balance™, G3™ spoke design, MoMag™ construction and a cornucopia of other technologies make the Campagnolo® aluminum wheelsets the obvious choice for the discerning cyclist looking for something more under his or her frame.

<b>SHAMAL™ MILLE™</b>	Rim Brake	<b>77</b>
<b>SHAMAL™ ULTRA™</b>	Disc Brake - Rim Brake	<b>78 - 79</b>
<b>EURUS™</b>	Rim Brake	<b>80</b>
<b>ZONDA™</b>	Disc Brake - Rim Brake	<b>81 - 82</b>
<b>SCIROCCO™</b>	Rim Brake	<b>83</b>
<b>KHAMSIN™ ASYMMETRIC™</b>	Rim Brake	<b>84</b>
<b>CALIMA™</b>	Rim Brake	<b>85</b>
<b>NEUTRON™ ULTRA™</b>	Rim Brake	<b>86</b>

The gold standard of performance aluminum racing wheels goes by the name of Shamal™. The stealth version of this performance wheelset goes by the name of Shamal Mille™ and the sophisticated surface treatment that gives this wheelset its sleek and elegant dark look also represents a significant performance advantage. This treatment permits surefooted and strong braking power, above and beyond that of normal aluminum rims, in both wet and dry conditions.

New is a C17 rim that ensures a better rim/tire interface and thus improved performance especially when using 25 and 28mm tires. The already elegant wheelset gets a facelift in the form of black anodized nipples, to complete its understated dark look 100%. The Shamal Mille™ is sure to turn heads of both the competition on race day as well as those next to you at the stoplight.

REAR WHEEL

FRONT WHEEL



Clincher: 1459 g



**PLASMA ELECTROLYTIC OXIDATION:**  
it offers elegant finish and enhances braking power and modularity.

**TOROIDAL MILLING**

**SPIRAL GROOVE ON THE BRAKING TRACK:**  
reduces braking distance while maintaining silent braking.

**DIFFERENTIATED RIM HEIGHT  
FRONT (24 - 27 mm) AND REAR (27 - 30 mm)**

**DYNAMIC BALANCE**

**MOMAG™:**  
allows the external profile of the rim to be free of holes.

**AERODYNAMIC SPOKES IN ALUMINUM:**  
maximum air penetration, less weight and greater reactivity.

**DIFFERENTIATED SPOKES:**  
16 radial spokes for the front, 21 spokes for the rear, doubled on the right and exclusive Mega-G3™ spokes to reduce vibration, increase stiffness and transmission of power to the wheel.

**BLACK NIPPLES:**  
black Oxidation Finishing self-locking aluminum nipples outside the rim. Allows easy maintenance and less truing over the wheel lifetime.

**SPOKES ANTI-ROTATION SYSTEM:**  
it keeps the spokes in a position of maximum aerodynamics.



**CERAMIC USB BEARINGS WITH  
DIFFERENTIATED DIAMETERS:**  
28 mm for the front, 30 mm for the rear. Less friction, less weight, greater smoothness and the same performance over time.

**HUB BODY IN CARBON:**  
high lateral stiffness, reducing weight to a minimum.

**AXLE IN ALUMINUM:**  
low weight, high stiffness.

**OVERSIZED FLANGE:**  
it increases torsional stiffness, increasing its reactivity at every change in the cyclist's pace.



The Shamal™ wheel is already an industry reference point for high end aluminium wheelsets. Now for 2018 Campagnolo® have taken their know how and expertise to introduce the new disc brake version. Campagnolo® engineers have worked tirelessly to create a wheel that will come to represent the same standard for quality and performance as its rim-brake counterpart

REAR WHEEL

FRONT WHEEL



DISC BRAKE PROJECT

2-Way Fit™: 1557 g

**2-WAY FIT™ VERSION:**

permits the cyclist to use the same rim to choose the best of both worlds – traditional clincher tyres or innovative tubeless.

**22 mm RIM WIDTH:**

creates a perfect balance between weight and performance, matching 25mm tyres to reach high levels of comfort.

**DIFFERENTIATED FRONT RIM HEIGHT:**

the 27 mm profile on the front rim allows for maximum stiffness at the nipple contact point and the toroidal milling achieves a 25 mm height in those areas where the rim does not require extra material, saving weight and increasing the handling of the wheel.

**DIFFERENTIATED REAR RIM HEIGHT:**

the 30mm profile on the rear rim allows the maximum stiffness at the nipple contact point and the toroidal milling achieves the 27 mm height in those areas where the rim does not require extra material, saving weight and increasing the handling of the wheel.

**FRONT WHEEL SPOKES:**

14 aluminum aero spokes are used on the braking side, and 7 aluminum aero spokes section 2/1,6/2 mm on the drive side.

**REAR WHEEL SPOKES:**

7 aluminum aero spokes are used on the braking side, and 14 aluminum aero spokes on the drive side. This ensures aerodynamics and reactivity, whilst strengthening the disc side to increase braking torque resistance.

**BLACK ANODIZED SELF-LOCKING NIPPLES:** combats possible spoke rotation during wheels lifecycle.

**HH 12/100 FRONT AND HH 12/142 REAR THRU AXLES:**

uses a single specification in order to achieve "Campagnolo performance" also in the transfer of forces to the frame. QR and 12/135 axles are offered as accessories.

**CERAMIC USB™ ULTRA SMOOTH BEARINGS:**

Top quality ceramic bearings create a perfectly smooth, resistance and maintenance free rolling.

**ADJUSTING LOCKING WITH MICRO-SETTING:** for precision hub adjustment.

**REAR ALUMINIUM BODY WITH MEGA-G3™ SYSTEM:**

ensures extremely efficient aerodynamics and reactivity, with reinforcing on the braking side to promote torque resistance under braking phase.

**FRONT ALLOY HUB FLANGES AND CARBON FIBRE SPACER:**

helps to create an extremely light and strong front wheel.

**NEW FLANGE ROAD DESIGN:**

for greater integration with the AFS rotor, enhancing the braking forces.

The SHAMAL™ ULTRA™ C17 represents the same fantastic performance that has made it THE go to aluminum race wheel for the better part of two decades while adding even more versatility and performance. The wider profile meets the C17 standard and is perfect for use with the increasingly popular 25/28mm tire sizes. This rim/tire interface proves to be more aerodynamic when compared to the same size tires mated to a C15 rim. The C17 also allows for a more surefooted grip in addition to increased comfort while increasing rigidity and thus reactivity at the same time thanks to its wider stance and optimized material usage.

REAR WHEEL

FRONT WHEEL

2-Way Fit™: 1475 g  
Clincher: 1449 g**TOROIDAL MILLING:**

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

**DYNAMIC BALANCE™****2-WAY FIT™ PROFILE:**

allows you to use either the classic clincher or the innovative tubeless tire.

**ULTRA-FIT™:**

easy tire mounting – maximum safety – less friction – less energy dispersion – improved performance.

**MOMAG™:**

allows the external profile of the rim to be free of holes.

**DIFFERENTIATED RIM HEIGHT**  
FRONT (24 - 27 mm) AND REAR (27 - 30 mm)

**SPOKES ANTI-ROTATION SYSTEM™:**

keeps the spokes in the position of maximum aerodynamic penetration.

**SELF-LOCKING NIPPLES:**

allow the ideal spoke tension to be maintained at length, eliminating friction on the rim. All this translates into constant high performance throughout the life of the product.

**EXCLUSIVE MEGA-G3™ SPOKE PATTERN:**

perfect balance of spoke tension on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. Mega-G3™ eliminates vibrations even with "heavy" cyclists.

**AERO SPOKES IN ALUMINIUM:**

maximum aerodynamic penetration - lower weight and greater reactivity.

**USB™ CERAMIC BALL BEARINGS:**

reduces friction, provides greater smoothness, and maintains performance over time.

**CARBON FIBRE HUB BODY:**

high degree of lateral stiffness – reduces the weight to the minimum.

**ALUMINIUM AXLE**

low weight, high stiffness.

**OVERSIZED FLANGE:**

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

**DIFFERENTIATED HUB DIAMETER FRONT AND REAR:**

optimized for structural integrity and performance. Small front hub aids in aerodynamic efficiency.



The Eurus™ wheel was designed to be both extremely durable and high performance. Lightweight design ready for any course and sturdy construction ready for the toughest terrain make this wheelset an easy choice. Thanks to the oversized flange and innovative Mega-G3™ technology, Eurus™ wheels have made a true leap to become, alongside the Shamal™, a reference point for top end aluminum wheels.

REAR WHEEL

FRONT WHEEL



2-Way Fit™: 1485 g  
Clincher: 1465 g

**TOROIDAL MILLING**

**DIFFERENTIATED RIM HEIGHT:**  
26mm at the front; 30mm at the rear.

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

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

**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™****SPOKES ANTI-ROTATION SYSTEM:**

keeps the spokes in the position of maximum aerodynamic penetration.

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

**AERO SPOKES IN ALUMINIUM****ALUMINIUM NIPPLES****REAR HUB WITH OVERSIZED FLANGE:**

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

**ALUMINIUM AXLE:**  
low weight, high stiffness.

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

The very first Campagnolo® branded wheelset developed specifically for disc brake equipped road bikes comes at a time where the market has plenty of solutions for road disc wheelsets but lacks many solutions that offer a level of performance, reliability, safety and integrity that has been associated with Campagnolo® wheels for traditional rim brakes. The Zonda™ disc brake wheelset is not only more reactive when compared to the rim brake version but it is also 25 grams lighter than its closest competitor. Adding more tech and more componentry to a wheel while increasing its performance, lowering its weight and ensuring that same Campagnolo® reliability cyclists have come to expect make a wheelset that should be at the top of any disc brake riding athlete in the market for a serious upgrade. It is available with QR and HH12 with 135 and 142 OLD.

REAR WHEEL

FRONT WHEEL



Clincher: 1675 g



DISC BRAKE  
PROJECT

**NEW ASYMMETRIC RIMS PROFILE (26 – 28 mm)**

**MILLED RIM:**  
this machining makes possible to reduce the peripheral weight of the rim and makes the wheel extremely reactive.

**RDB™ - 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.

**MOMAG™:**  
allows the external profile of the rim to be free of holes to benefit of both stiffness and weight.

**SPOKES:**  
G3™ technology applied also to the front wheel to better perform at high braking power.

**FRONT WHEEL SPOKES:**  
14 spokes in stainless steel section diameter 2/1,6/2 mm (left side - braking side)  
7 spokes in stainless steel section diameter 2/1,6/2 mm (right side).

**REAR WHEEL SPOKES:**  
7 spokes in stainless steel section diameter 2/1,6/2 mm (left side - braking side)  
14 spokes in stainless steel section diameter 2/1,6/2 mm (right side - cassette side).

**NIPPLES:**  
black anodized self-locking nipples outside the rim allows for easy maintenance.

**CUP AND CONE BEARINGS:**  
easy bearing adjustment that reduces possible bearing play, maintaining performances over time and keeping the optimal contact angle between ball and track.

**ADJUSTING LOCKING WITH MICRO-SETTING TECH:**  
for an accurate adjustment of the hub that prevents the creation of any play.

**TWO DIFFERENT INTERFACES WITH THE ROTOR: 6 BOLTS AND AFS™:**  
for allowing the full compatibility with every rotor available in the market.

**21 SPOKES IN STAINLESS STEEL WITH MEGA-G3™ SYSTEM:**  
ensures extremely good stiffness and reactivity, reinforcement on braking side at the front and cassette side at the rear. It gives a very race design to the wheelset.



The universally lauded Zonda™ get an update for 2017 range and the best-selling Campagnolo® wheelset incorporated a C17 class rim. The highly respected Zonda™ with its new 22,5 mm wide rim accepts larger clincher tires making for increased performance, comfort and a more efficient tire/rim interface. A new rim coupled with the same technologies that put the Zonda™ in a league apart from the rest of the wheels in its segment make this wheelset one that punches far above its weight. And while speaking of weight, the Zonda™ offers this added performance and wider profile while reducing its overall weight more than 10 grams.

REAR WHEEL

FRONT WHEEL



Clincher: 1540 g

**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.

**MILLED RIM**

**DIFFERENTIATED RIM HEIGHT**  
FRONT (24 - 27 mm) AND REAR (27 - 30 mm)

**DYNAMIC BALANCE™****SPOKES ANTI-ROTATION SYSTEM**

keeps the spokes in the position of maximum aerodynamic penetration.

**EXCLUSIVE MEGA-G3™ SPOKE PATTERN:**

perfect balance of spoke tension on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. Mega-G3™ eliminates vibrations even with "heavy" cyclists.

**SPOKES WITH AERODYNAMIC PROFILE:**

Front: 16 spoke variable profile Aero radials in stainless steel.  
Rear: 21 spoke variable profile Aero in stainless steel with doubling on the cassette side.

**SELF-LOCKING NIPPLES:**

allow the ideal spoke tension to be maintained at length, eliminating friction on the rim. All this translates into constant high performance throughout the life of the product.

**REAR HUB WITH MEGA-G3™ 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:**

low weight, high stiffness.

**DIFFERENTIATED HUB DIAMETER FRONT AND REAR:**

optimized for structural integrity and performance. Small front hub aids in aerodynamic efficiency.

**NEW ADJUSTING LOCK RING WITH MICRO-SETTING:**

for an accurate adjustment of the hub that prevents the creation of play.

With the easily recognizable 35mm profile height, the Scirocco™ is a versatile wheelset solution that offers strengths in every field. From aerodynamics and handling, weight and stiffness. It is predictable, reactive and light. The Scirocco™ is an all round wheelset aimed at passionate cyclists and professionals alike. The 35 mm profile is perhaps the perfect wheel to take on any challenge that the road or race presents.

REAR WHEEL

FRONT WHEEL



Clincher: 1654 g

**35 mm AERODYNAMIC PROFILE IN A MID-END ALUMINIUM RIM:**

aerodynamics in a mid-end aluminum rim. Advanced aero efficiency while being extremely easy to handle even in cross winds.

**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.

**WELDED RIM:**

to increase stiffness and braking surface precision allowing a smoother progressive braking.

**AERODYNAMIC PROFILE:**

radial spokes in stainless steel. 16 spoke radial configuration on the front wheel, 21 spokes with double spoke pattern on the cassette side.

**EXCLUSIVE MEGA-G3™ SPOKE PATTERN:**

the Mega-G3™ creates a perfect spoke tension balance on both sides of the wheel. This helps to reduce spoke stress, increases transversal rigidity and as a consequence improved power to wheel transmission.

**INTERNAL RIM NIPPLE SUPPORT TABS:**

as used in high end carbon wheels. The support tabs are used to guarantee a longer life of the wheel by distributing tension more efficiently.

**ALUMINIUM HUB AND AXLE:**

saves weight and increases lateral stiffness.

**MEGA-G3™ OVERSIZE FLANGE ON THE REAR WHEEL (CASSETTE SIDE):**

this is used to increase torsional stiffness, creating greater reactivity with each change in the pace.

**HI-END FREE HUB BODY:**

the Scirocco™ hubs uses the same construction components normally reserved for high end hubs. Available in two options: Campagnolo (aluminum) and HG11 (in aluminum with the Plasma Electrolytic Oxidation treatment) low weight, high stiffness.



The redesigned Khamsin™ Asymmetric represents the entry level for Campagnolo® wheels only because of its fantastic pricing. With advanced characteristics such as Mega-G3™ spoke lacing patterns, oversized flange and Spoke Dynamic Balance™ technology it is clear that this wheel is a step above its competition. Campy Tech Lab™ engineers have pushed the quality of this wheel even further incorporating an asymmetric rear rim that, when coupled with Mega-G3™ lacing provides increased performance in terms of lateral and torsional rigidity as well as reactivity. The Khamsin™ Asymmetric permits all cyclists with the opportunity to experience Campagnolo® quality and performance.

**REAR WHEEL  
MEGA-G3™**
**FRONT WHEEL**


Clincher: 1790 g


**DIFFERENTIATED RIM HEIGHT:**

24 mm at the front to provide optimal handling; 27,5 mm at the rear for transmitting all your power to the wheel.

**ASYMMETRIC RIM PROFILE:**

asymmetrical rear rim profile allows for better balancing of spoke tensions between drive and non drive side, giving better symmetry to an asymmetric component. Increased efficiency and reactivity are sure to be noted.

**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.

**EXCLUSIVE MEGA-G3™ SPOKE PATTERN:**

perfect balance of spoke tension on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel. Mega-G3™ eliminates vibrations even with "heavy" cyclists.

**STRAIGHT-HEAD SPOKE (LEFT SIDE):**

maximum stiffness of the wheel – maintains the spoke tension and long-lasting performance.

**OVERSIZED FLANGE:**

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

**ALUMINIUM AXLE:**

low weight, high stiffness.

**SEALED BEARINGS:**

maintains performance over time – longer bearing life.

A wheel that is requested by passionate cycle lovers to seasoned professionals alike. Light enough to tackle the steepest of climbs yet strong and flexible enough to affront the roughest of roads. The Calima™ wheelset offers to all cyclists the possibility to experience the renowned quality and technology of Campagnolo®.

**REAR WHEEL**
**FRONT WHEEL**


Clincher: 1826 g


**24mm PROFILE:**

a 24mm symmetrical low profile rim that creates a front wheel that is precise in directional changes and a rear wheel that is reactive to power transfer and changes in pace.

**C17 CLASS FOR CLINCHER TYRES:**

to permit the fitting of a wider tyre (25 mm minimum) allowing for easier tyre fitting.

**GLUED RIM:**

glued rim for increased precision on the braking surface allowing smoother progressive braking.

**MACHINED PRECISE SPOKE SEAT:**

permitting a longer spoke life.

**ED (ELECTRODEPOSITION) BLACK SPOKES:**

Front: 18 radial spokes in stainless steel. Rear: 27 spokes in stainless steel with double spoke count on the cassette side.

**EXCLUSIVE G3™ SPOKE PATTERN:**

creating a perfect balance of the spoke tension on both sides of the wheel. Reduces stress, increases transversal rigidity and the transmission of power to the wheel.

**ALUMINIUM HUBS:**

for increased lateral stiffness.

**G3™ FLANGE ON THE REAR WHEEL:**

to increase torsional stiffness and greater reactivity with each change of pace.

**STEEL AXLE:**

increases wheel stiffness permitting a wheel geometry that allows the use of different free hub bodies. Hi-end free hub body using the same construction components normally reserved for high end hubs. Available in two options: Campagnolo (aluminum) and HG11 (steel).



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 in the saddle.

The Neutron™ Ultra™ encompasses everything a cyclist requires.

REAR WHEEL

FRONT WHEEL



Clincher: 1470 g



**EXCLUSIVE GEOMETRY OF THE POLYGONAL RIM:**

**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.

**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.

**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.

**CUP AND CONE BEARINGS:**

easy bearing adjustment – reduces possible bearing play – precision operation – maintains performance over time.













## TECH DATA

Over the course of the previous pages in this catalog you can find a great deal of general information regarding every Campagnolo® product. However, if you need more specific information and technical data we have compiled an even greater resource in the following section.

Should you need yet more information please visit: [www.campagnolo.com](http://www.campagnolo.com)

Please note that we reserve the right to change products, surface finish and specifications at any moment without prior notice.



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ROAD - RIM BRAKE

CARBON WHEELS

	NOMINAL WEIGHT [g]*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - mm (NOMINAL)	ULTRA-FIT™	LABELS	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES	DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	NUT/NIPPLE MATERIAL	O.L.D. [mm]	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY
<b>BORA™ ULTRA™ TT rear tub.</b>	864	carbon	D/20		B	carb				carbon				130	alu	•	C	black		9/10/11
<b>BORA™ ULTRA™ 35 rear tub.</b>	480	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		
<b>BORA™ ULTRA™ 35 rear tub.</b>	690	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 35 rear tub. (HG)</b>	690	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 front tub.</b>	520	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	carb	•		
<b>BORA™ ULTRA™ 50 rear tub.</b>	695	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 rear tub. (HG)</b>	695	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 80 front tub.</b>	705	carb	80/20		B/D	carb	16		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		
<b>BORA™ ULTRA™ 80 rear tub.</b>	815	carb	80/20		B/D	carb	18/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 80 rear tub. (HG)</b>	854	carb	80/20		B/D	carb	18/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ONE 35 front tub.</b>	505	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear tub.</b>	710	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear tub. (HG)</b>	710	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 front tub.</b>	545	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 50 rear tub.</b>	720	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 rear tub. (HG)</b>	720	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ULTRA™ 35 front cl.</b>	575	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		
<b>BORA™ ULTRA™ 35 rear cl.</b>	785	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 35 rear cl. (HG)</b>	785	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 front cl.</b>	630	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	carb	•		
<b>BORA™ ULTRA™ 50 rear cl.</b>	805	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 rear cl. (HG)</b>	805	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ONE 35 front cl.</b>	600	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear cl.</b>	805	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear cl. (HG)</b>	805	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 front cl.</b>	655	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 50 rear cl.</b>	830	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 rear cl. (HG)</b>	830	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11

ALU/CARBON WHEELS

<b>BULLET™ ULTRA™ front cl.</b>	727	alu/carb	50/20,5		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U/C	black	•		
<b>BULLET™ ULTRA™ rear cl.</b>	863	alu/carb	50/20,5		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U/C	black	•		9/10/11
<b>BULLET™ ULTRA™ rear cl. (HG)</b>	902	alu/carb	50/20,5		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U/C	black	•		9/10/11
<b>BULLET™ front cl.</b>	785	alu/carb	50/20,5		B	carb	18		RDB	SS	AE DB	BR	100	alu		S	black	•		
<b>BULLET™ rear cl.</b>	970	alu/carb	50/20,5		B	carb	21/G3™		RDB	SS	AE DB	BR	130	alu		S	black	•		9/10/11
<b>BULLET™ rear cl. (HG)</b>	1009	alu/carb	50/20,5		B	carb	21/G3™		RDB	SS	AE DB	BR	130	alu		S	black	•		9/10/11

KEY

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 B=Bright - D=Dark - BLK SAT=black satinized

\* Average weight - does not include the quick-release and the rim-tape - wheel weight may vary depending on the tolerance of the production process.



ROAD - RIM BRAKE

ALUMINIUM WHEELS

	NOMINAL WEIGHT [g]*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - mm (NOMINAL)	ULTRA-FIT™	LABELS	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES	DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	NIPPLE MATERIAL	O.L.D. [mm]	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY
SHAMAL™ MILLE™ front cl.	638	alu	24-27/22		D	blk sat	16		RDB	alu	AE DB		alu	100	alu/carb	•	U	blk/carb	•	
SHAMAL™ MILLE™ rear cl.	821	alu	27-30/22		D	blk sat	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ MILLE™ rear cl. (HG)	821	alu	27-30/22		D	blk sat	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ front cl.	623	alu	24-27/22		B	black	16		RDB	alu	AE DB		alu	100	alu/carb	•	U	blk/carb	•	
SHAMAL™ ULTRA™ rear cl.	826	alu	27-30/22		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ rear cl. (HG)	826	alu	27-30/22		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ 2-Way Fit™ front	641	alu	24-27/22	•	B	black	16		RDB	alu	AE DB		alu	100	alu/carb	•	U	blk/carb	•	
SHAMAL™ ULTRA™ 2-Way Fit™ rear	834	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ 2-Way Fit™ rear (HG)	834	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
EURUS™ front cl.	640	alu	24-27/20		B	black	16		RDB	alu	AE DB		alu	100	alu	•	S	black	•	
EURUS™ rear cl.	825	alu	27-30/20		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
EURUS™ rear cl. (HG)	864	alu	27-30/20		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
EURUS™ 2-Way Fit™ front	645	alu	24-27/20	•	B	black	16		RDB	alu	AE DB		alu	100	alu	•	S	black	•	
EURUS™ 2-Way Fit™ rear	840	alu	27-30/20	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
EURUS™ 2-Way Fit™ rear (HG)	879	alu	27-30/20	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
ZONDA™ front cl.	678	alu	24-27/22		B	black	16		RDB	SS	AE DB		BR	100	alu	•	S	black	•	
ZONDA™ rear cl.	862	alu	27-30/22		B	black	21/G3™		RDB	SS	AE DB		BR	130	alu	•	S	black	•	9/10/11
ZONDA™ rear cl. (HG)	862	alu	27-30/22		B	black	21/G3™		RDB	SS	AE DB		BR	130	alu	•	S	black	•	9/10/11
SCIROCCO™ front cl.	746	alu	35/22		B	• black	16			SS	AE DB		alu	100	alu		S	black	•	
SCIROCCO™ rear cl.	908	alu	35/22		B	• black	21/G3™			SS	AE DB		alu	130	alu		S	black	•	9/10/11
SCIROCCO™ rear cl. (HG)	908	alu	35/22		B	• black	21/G3™			SS	AE DB		alu	130	alu		S	black	•	9/10/11
KHAMSIN™ ASYMMETRIC front cl.	815	alu	24/20,5		B	• black	18			S			BR	100	alu		S	black		
KHAMSIN™ ASYMMETRIC G3™ rear cl.	975	alu	27,5/20,5		B	• black	24/G3™			S/SS			BR	130	alu		S	black		9/10/11
KHAMSIN™ ASYMMETRIC G3™ rear cl. (HG)	1014	alu	27,5/20,5		B	• black	24/G3™			S/SS			BR	130	alu		S	black		9/10/11
CALIMA™ front cl.	789	alu	24/22		B	• black	18			S			BR	100	alu		S	black		
CALIMA™ rear cl.	1037	alu	24/22		B	• black	27/G3™			S			BR	130	alu		S	black		9/10/11
CALIMA™ rear cl. (HG)	1089	alu	24/22		B	• black	27/G3™			S			BR	130	alu		S	black		9/10/11
NEUTRON™ ULTRA™ front cl.	630	alu	18/20,5		B	• black	22			SS	AE DB	•	alu	100	alu/carb	•	S	blk/carb		
NEUTRON™ ULTRA™ rear cl.	840	alu	18/20,5		B	• black	24			SS	AE DB	•	alu	130	alu/carb	•	S	blk/carb		9/10/11
NEUTRON™ ULTRA™ rear cl. (HG)	879	alu	18/20,5		B	• black	24			SS	AE DB	•	alu	130	alu/carb	•	S	blk/carb		9/10/11

KEY

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 B=Bright - D=Dark - BLK SAT=black satinized

\* Average weight - does not include the quick-release and the rim-tape - wheel weight may vary depending on the tolerance of the production process.



## ROAD - DISC BRAKE

## CARBON WHEELS

	NOMINAL WEIGHT (g)*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - mm (NOMINAL)	ULTRA-FIT™	LABELS	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES	DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	NIPPLE MATERIAL	O.L.D. (mm)	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY
<b>BORA™ ONE 35 front cl.</b>	690	carb	35/23,5		B/D	carb	24/G3™		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear cl.</b>	793	carb	35/23,5		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear cl. (HG)</b>	793	carb	35/23,5		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 front tub.</b>	585	carb	35/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear tub.</b>	691	carb	35/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear tub. (HG)</b>	691	carb	35/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 front tub.</b>	622	carb	50/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 50 rear tub.</b>	726	carb	50/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 rear tub. (HG)</b>	726	carb	50/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11

## ALUMINIUM WHEELS

<b>SHAMAL™ ULTRA™ 2-Way Fit™ front</b>	715	alu	24-27/22	•	B	black	21/G3™		RDB	alu	AE DB	alu	100	alu/carb	•	U	blk/carb	•		
<b>SHAMAL™ ULTRA™ 2-Way Fit™ rear</b>	842	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB	alu	130	alu	•	U	blk/carb	•		9/10/11
<b>SHAMAL™ ULTRA™ 2-Way Fit™ rear (HG)</b>	842	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB	alu	130	alu	•	U	blk/carb	•		9/10/11
<b>ZONDA™ DB front cl.</b>	786	alu	26-28/22		B	black	21/G3™		RDB	SS	AE DB	alu	100	alu	•	S	black	•		
<b>ZONDA™ DB rear cl.</b>	889	alu	26-28/22		B	black	21/G3™		RDB	SS	AE DB	alu	135-142	alu	•	S	black	•		9/10/11
<b>ZONDA™ DB rear cl. (HG)</b>	889	alu	26-28/22		B	black	21/G3™		RDB	SS	AE DB	alu	135-142	alu	•	S	black	•		9/10/11

## TRIATHLON - TIME TRIAL

<b>BORA™ ULTRA™ TT rear tub.</b>	864	carbon	D/20		B	carb				carbon			130	alu	•	C	black	•		9/10/11
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## PISTA

<b>GHIBLI™ front tub. track</b>	800	carb	D/20										100	alu	•	C				
<b>GHIBLI™ rear tub. track</b>	825	carb	D/20										120	alu	•	C				
<b>PISTA™ front tub. track</b>	995	alu	38/20		B	black	20			SS	AE	alu	100	alu	•	S	black			
<b>PISTA™ rear tub. track</b>	1040	alu	38/20		B	black	24			SS		alu	120	alu	•	S	black			
<b>BORA™ ULTRA™ 80 front tub. track</b>	705	carb	80/20		B	carb	16		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		

## KEY

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**B**=Bright - **D**=Dark - **BLK SAT**=black satinized

\* Average weight - does not include the quick-release and the rim-tape - wheel weight may vary depending on the tolerance of the production process.



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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EN

Technology and emotion





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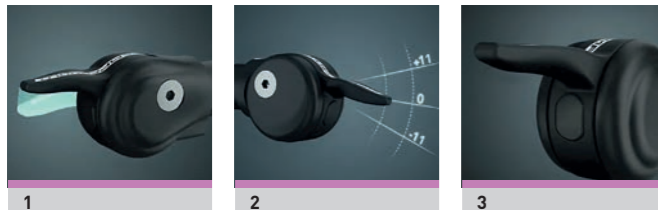


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lets the rider shift up or down by up to 11 sprockets in a single action.

**3. MODE BUTTON:**  
the "Mode" buttons allow the user to check battery charge, make fine adjustments to the rear or front derailleur - even in the middle of a race (with the "ride setting" procedure), and set the zero position of the rear and front derailleur ("zero setting" procedure).

**100% WATER-PROOF:**  
all control components are built to operate in any weather conditions in compliance with the IP67 standard.

## EPS™ BRAKE CONTROLS



**1. AERODYNAMIC PROFILE:**  
maximum aerodynamic coefficient.

**2. 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.

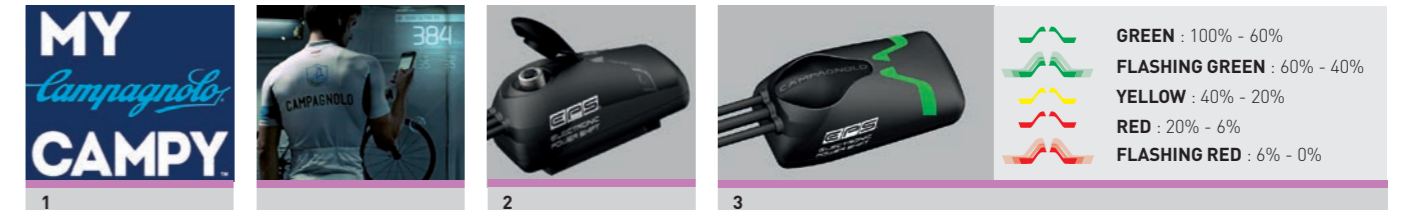
**3. ERGONOMIC PROFILE FOR THE LEVERS:**  
maximum safety and adjustable braking system.  
- Carbon fibre (Record™ EPS™)

**ONE LEVER-ONE ACTION:**  
each lever of the control set has its own distinct function. This means absolute certainty of using the right control in all conditions (winter temperatures and gloves, poor road conditions etc.), eliminating the risk of error.

Designed for Triathlon and Time Trial bicycles, the EPS™ interface has two separate cable inputs for use both with Bar End levers and brake lever controls. This ultra-light component may be installed on either the brake cables or the handlebar mount. Starting from the 2016 versions of Super Record™ EPS™ and Record™ EPS™ groupsets use the V3 interface.



## DTI™ EPS™ V3 INTERFACE



45 g, cables included

**1. DIALOGUE WITH "MYCAMPY" APP:**  
Wireless system to communicate with "MyCampy" App by PC / Notebook / Tablet / Smartphone (BTLE), which allows the EPS groupset holder to personalize its own settings.

**2. EASY ACCESS TO THE CHARGING PORT:**  
recharging port positioned on the upper part and covered by a rubber cover linked to the interface.

**ANALOGUE-DIGITAL SIGNAL CONVERSION:**  
transforms the analogue signals received from the controls into the digital signals transmitted to the Power Unit.

**1. DIALOGUE WITH "MYCAMPY" APP:**  
Wireless system to communicate with "MyCampy" App by PC / Notebook / Tablet / Smartphone (BTLE), which allows the EPS groupset holder to personalize its own settings.

**2. EASY ACCESS TO THE CHARGING PORT:**  
recharging port positioned on the upper part and covered by a rubber cover linked to the interface.

**ANALOGUE-DIGITAL SIGNAL CONVERSION:**  
transforms the analogue signals received from the controls into the digital signals transmitted to the Power Unit.

	<b>GREEN</b> : 100% - 60%
	<b>FLASHING GREEN</b> : 60% - 40%
	<b>YELLOW</b> : 40% - 20%
	<b>RED</b> : 20% - 6%
	<b>FLASHING RED</b> : 6% - 0%



## CONTROLS

Designed using the hands of the world's greatest athletes by the best engineers at Campagnolo®. Every single detail has been studied and each and every product tested in the real world by top athletes. The engineers of the Campy Tech Lab™, realizing the importance of even the most minute details in TT/TRI, set about to develop solutions such as Back-to-Zero technology that allow the lever to always remain in the most aerodynamic position as well as the Multi-Shifting System™ that allows the rider to change 3 gears with only one simple and swift movement. More aero, more ergonomic and more efficient, the bar-end controls for mechanic transmissions are your best ally in your fight against the clock.



Aluminium



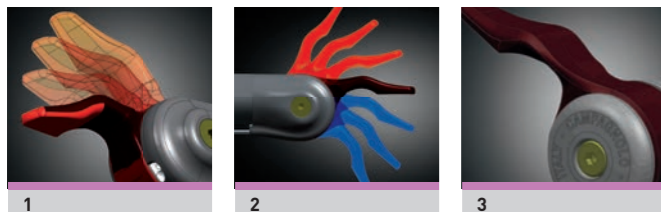
11 Speed Aluminium



Aluminium

### BAR-END CONTROLS

167 g



#### 1. 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.

#### 2. MULTI-SHIFTING SYSTEM™:

possibility to shift up or down up to 3 cogs at a time.

#### 3. 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.

#### EXTERNAL CABLE CONNECTION:

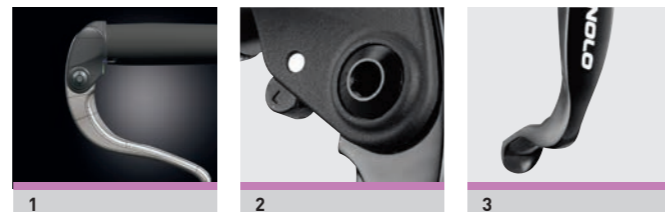
cables are easy to install and remove  
- there is no need to remove the controls.

#### INDEXED BUSHING:

perfectly synchronized with the Super Record™, Record™ and Chorus™ cranksets and gears. Upshifting occurs in three clicks, downshifting in one.

### BRAKE LEVERS

106 g



#### 1. AERODYNAMIC PROFILE:

maximum aerodynamic coefficient.

#### 2. 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.

#### 3. ERGONOMIC PROFILE FOR THE LEVERS:

maximum safety and adjustable braking system.





Since its introduction, the Bora™ Ultra™ TT has accompanied cyclists of the highest caliber in winning international medals in time trials. In 2017, despite such success, the Campagnolo® road lenticular wheel was innovated even further, improving upon its main characteristics of low weight and extreme stiffness. The new Bora™ Ultra™ TT in fact weighs nearly 111 g less than the previous model and is 8% stiffer than the stiffest competitor's wheel. The Campy Tech Lab™ has focused additionally on creating a product that meets the needs of time trial bike braking systems and the results are impressive. The 2018 range sees the addition of the new AC3™ (All Conditions Carbon Control) Technology braking surface, which brings braking performance in wet conditions closer to that found on dry conditions.

RIGHT SIDE

LEFT SIDE



Tubular: 864 g



### WHEEL DEVELOPED FOR THE TIME TRIAL FRAME:

extremely stiff structure further eliminates flex near the bottom bracket, namely where the rear brake is positioned on most time trial frames, thus avoiding any possible friction with the brake itself.

### FULL HIGH MODULUS CARBON RIM FOR TUBULAR

### AC3™ (ALL CONDITIONS CARBON CONTROL) BRAKING SURFACE TECHNOLOGY:

improves the braking performances on dry and, above all, on wet conditions.

### BRAKE PADS MADE ESPECIALLY FOR CARBON WHEELS:

the special blend increases the brake performance on both dry and wet surfaces without increasing the wear and tear on the pad or wheel.

### FULL CARBON DISC IN A SPECIALLY DEVELOPED WEAVE

**PROFILE:**  
extreme new design reduces profile on both drive and non-drive sides for an even slimmer and more aerodynamic design.

### GRAPHICS FEATURING THE "WINGED WHEEL":

the legendary Campagnolo® "Winged Wheel" logo identifies Campagnolo® lenticular wheels that use the very latest carbon fiber technologies.



**BEARINGS WITH CULT™ TECHNOLOGY:**  
the combination between the highest quality ceramic bearings and housing in special steel. CULT™ makes the wheel nine times smoother than the standard system of steel bearings.

**CUP AND CONE BEARINGS:**  
easy bearing adjustment - reduces the possibility bearing play - precision operation - maintains performance over time.

### LIGHTWEIGHT AND EXTREMELY RIGID ALUMINUM HUB CONSTRUCTION

**CASSETTE:**  
compatible with Campagnolo® 10 and 11 speed cassettes as well as Shimano Inc. 9, 10, and 11 speed cassettes.

## SUGGESTED WHEELS

Time trials and triathlons are always a combination of battles against the clock and the performance of your adversaries. However, no two races are ever the same. Courses are flat, undulating or hilly. Conditions can be windy and treacherous or calm and easy. No matter the conditions, course or situation at hand there is a perfect Campagnolo® wheelset for any given day or competition. Whether you are taking on a triathlon or time trial you will find the perfect performance ally in Campagnolo® wheels.

BORA™ ULTRA™ 80



BORA™ ULTRA™ 50



BORA™ ONE™ 50 Disc Brake



BORA™ ONE™ 50



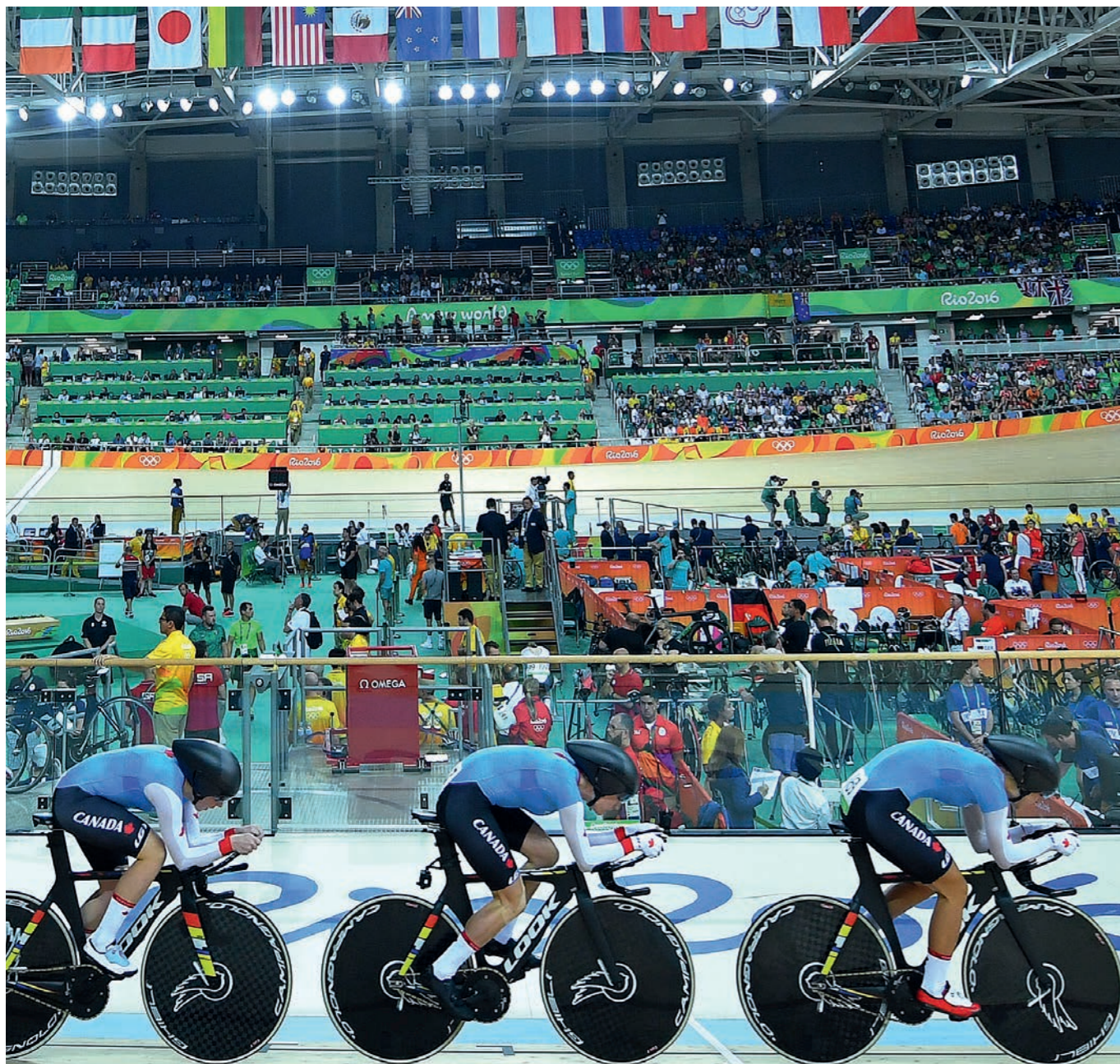
BULLET™ ULTRA™



BULLET™







# PISTA

From the starting gun a track racer exerts an extreme amount of force and the physical test increases exponentially as the race continues. No matter what the event, the track athlete is obligated to run a perfect race. Nowhere to hide. No place for even the slightest error.

Track racing demands an incredible amount of expertise and extreme attention to detail in order for an athlete to be successful. It is with this same spirit that Campagnolo® develops its products; attention to detail, search for perfection and desire to continuously improve.

Campagnolo® Track components are made with passion and are backed by a great deal of experience and heritage. Crankset and wheels bearing the Campagnolo® name have seen some of the strongest athletes in history to victory... ride them towards YOUR victory!

Campagnolo® is quite proud of its glorious track record with the Ghibli™ disc wheel, the very first tenso-structure wheel ever introduced in the cycling world. Despite the fact that the Ghibli™ was still very competitive with newer models, the R&D department at Campagnolo® sought to take lessons from this iconic wheel and build upon them in order to produce the next generation of extreme performance. Incorporation of carbon fiber throughout in addition to completely new construction techniques give the new wheelset an ultralight build while not sacrificing its performance attributes.

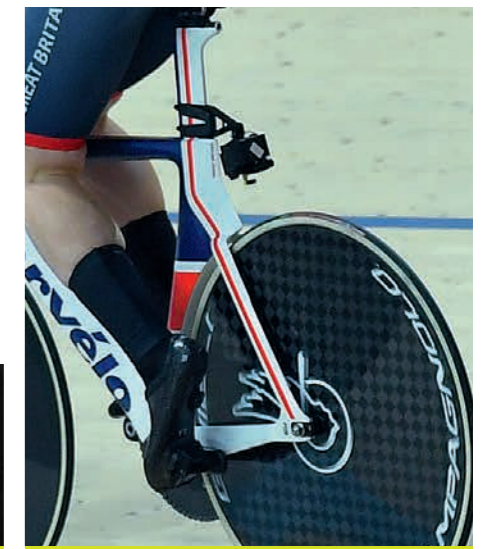
FRONT WHEEL



REAR WHEEL



Tubular: 1625 g (pair)



Minimizing material but maximizing efficiency in its employment allowed the Campy Tech Lab™ to not only make this new wheel lighter but, more importantly for its specific intended purpose of battling the clock, to improve its reactivity and rigidity. The new structure and design allows for solid and stable stance that transfers power towards forward motion as opposed to allowing lateral flex or torsion. The new structure, despite its lightweight construction, is also the stiffest amongst the leading disc wheel competitors according to laboratory tests.

With a front wheel tipping the scales at a scant 800 grams and the rear at an incredibly low 825 grams the Ghibli™ wheels are effectively the lightest performance solution available.



## CULT™

The hub of this new wheelset was developed in a way to house Campagnolo's ultra-smooth and efficient CULT™ Ceramic Bearing Technology. It is the combination of the highest quality ceramic bearings with housing in special steel. Nine times smoother than the standard system. Eliminates oxidation and maintains performance over time.

This new wheelset was proven not only via strenuous lab testing and countless hours under athletes in training, but also in competition.

In its first official competition the Ghibli™ and its new ultra-performance construction were able to confer to **Alex Dowsett** a technological advantage that played a fundamental role in breaking the Hour Record.

A few months later, the Ghibli™ was the star of the 4 km individual pursuit thanks to **Filippo Ganna**, the nineteen-year-old world champion aided tremendously in his quest for victory by his ultra-performance Campagnolo® wheels.

The remarkable performance advantage represented by the Ghibli™ did not go unnoticed, so much so that the **Canadian and British national teams** will use them in their attempts to win Olympic medals for the team pursuit in Rio de Janeiro.

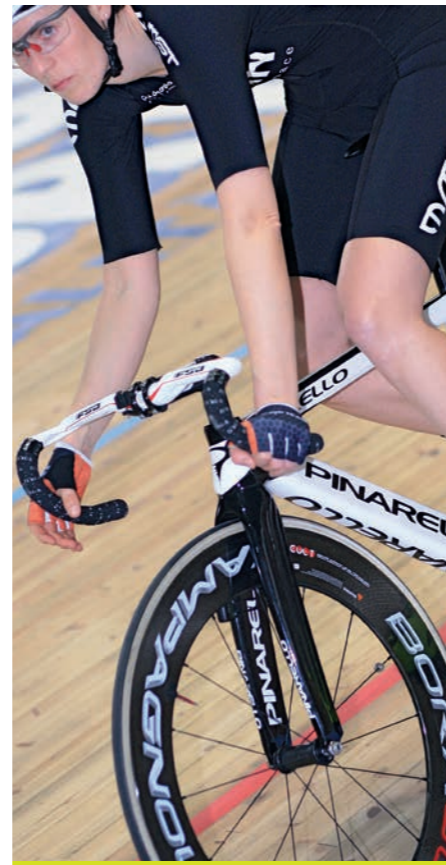


**BORA™ ULTRA™ 80**

The Bora™ Ultra™ 80 track version matches perfectly to the Ghibli™ disc wheel to make an extremely competitive and race-winning combination. The two wheels work well together for all of the track disciplines involving group activity such as the points race, Madison, Elimination and Scratch thanks to the extreme lightweight of both the disc wheel (perhaps the lightest available) as well as the Bora™ Ultra™ 80's 705 grams. This spoked wheel allows for extreme agility, continuous relaunches and quick changes of direction... making it an excellent choice for certain disciplines on the track. The Bora™ Ultra™ 80 track version brings Bora™ performance to the track and with it, Campagnolo® results. Previously well known for climbing mountains and crushing time trials on the road, the Pista™ version of the Bora™ will be sure to climb podiums and crush records on the wooden boards of the track.



Tubular: 705 g (front)



**FULL CARBON HIGH PROFILE FOR 80mm TUBULAR:** provides the maximum aerodynamic penetration. Extremely high lateral wheel stiffness and reactivity.

**EXCLUSIVE PRESSING SYSTEM FOR THE RIM IN UNPAINTED CARBON:** elegant polished finish is result of advanced and patented production technique. Eliminating need for paint keeps weight lower.

**RDB™ RIM DYNAMIC BALANCE**

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

**SELF-LOCKING ALUMINIUM NIPPLES**



**BALL BEARINGS WITH CULT™ TECHNOLOGY:** the combination of the highest quality ceramic bearings with housing in special 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.

**CUP AND CONE BEARINGS**

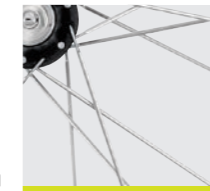
**ALUMINIUM AXLE**

**PISTA™**

The Pista™ wheel has only two jobs:  
 1- to transfer the immense power generated from powerful track athletes into forward motion without flexing or wasting energy.  
 2- slice through the wind to offer the lowest resistance possible.  
 With numerous victories it appears that the Pista™ is quite capable in succeeding at both.



Tubular: 2035 g (pair)



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

**STAINLESS STEEL AERO SPOKES:** maximum stiffness maintained over time.

**RECORD™ PISTA™**

The Record™ Pista™ groupset is a set of high-range components designed to excel in the velodrome. These products are designed exclusively for the specific needs of track racing. The other components have been borrowed directly from the Record™ road groupset.



592 g

**CRANKSETS**



**BOTTOM BRACKET**



**RECORD™ HEADSET**













## TECH DATA

Over the course of the previous pages in this catalog you can find a great deal of general information regarding every Campagnolo® product. However, if you need more specific information and technical data we have compiled an even greater resource in the following section.

Should you need yet more information please visit: [www.campagnolo.com](http://www.campagnolo.com)

Please note that we reserve the right to change products, surface finish and specifications at any moment without prior notice.



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## TRIATHLON / TIME-TRIAL

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
RECORD™ TT EPS™ shifting levers	-	98	Pair
RECORD™ TT EPS™ brake levers	-	110	Pair
TT DTI™ EPS™ V3 interface	-	45	cables included
11s bar-end shifting levers	-	167	Pair
bar-end brake levers	-	106	Pair

## PISTA

COMPONENT	OPTIONS	WEIGHT [g]	WEIGHT REFERENCE
RECORD™ PISTA crankset	165 mm, 170 mm 47T, 48T, 49T, 50T, 51T, 52T	592	165 mm, 47T
RECORD™ PISTA bottom bracket	-	220	-
RECORD™ headset	-	104	-

## INTEGRATED CUPS

Uniquely compatible with all the frames on the market.

Thanks to accurate design that meets client needs, Campagnolo® cranksets can in fact be fitted to any type of frame: from the **standard Italian** to **English types**, to **Press-Fit bottom brackets of BB86 86.5x41, BB30 68x42, PF30 68x46, BB386 86.5x46, BB30 68x42 and BB RIGHT 79x46 with new design to improve coupling with Press-Fit bottom brackets on the market.** This means the well-known advantages of stiffness, lightness and performance over time typical of Campagnolo® cranksets remain unaltered.

This solution offers many advantages, one of which is the ability to change frames without having to purchase a new crankset. This allows Campagnolo® to maintain the tried, tested and proven geometries and designs of the Ultra-Torque™ crankset without having to modify the crankset itself for the wide array of standards available currently.

Campagnolo®'s integrated cups, available for Ultra-Torque™ cranksets, have the same functionality as other systems but with the added technical advantage of maintaining the widest stance possible for the bearings. This reduces lateral forces acting on the bearings and makes for a smoother and more reactive performance that is more durable over time.

ULTRA TORQUE™	THREAD		PRESS-FIT				
	ITA	BSA	BB30	BB86	PF30	BB RIGHT	BB386
	70x (36x24 tpi)	68x (1,37"x24 tpi)	68x42	86,5x41	68x46	79x46	86,5x46
							
	OC12-SRI	OC12-SRG					
							
							
							
							
							
	OC12-REI	OC12-REG	IC15-RE42	IC15-RE41	IC15-RE46	IC15-UTR51E	IC15-UT386



ROAD - RIM BRAKE

CARBON WHEELS

	NOMINAL WEIGHT [g]*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - mm (NOMINAL)	ULTRA-FIT™	LABELS	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES	DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	NUT/NIPPLE MATERIAL	O.L.D. [mm]	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY
<b>BORA™ ULTRA™ TT rear tub.</b>	864	carbon	D/20		B	carb				carbon				130	alu	•	C	black		9/10/11
<b>BORA™ ULTRA™ 35 rear tub.</b>	480	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		
<b>BORA™ ULTRA™ 35 rear tub.</b>	690	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 35 rear tub. (HG)</b>	690	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 front tub.</b>	520	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	carb	•		
<b>BORA™ ULTRA™ 50 rear tub.</b>	695	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 rear tub. (HG)</b>	695	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 80 front tub.</b>	705	carb	80/20		B/D	carb	16		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		
<b>BORA™ ULTRA™ 80 rear tub.</b>	815	carb	80/20		B/D	carb	18/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 80 rear tub. (HG)</b>	854	carb	80/20		B/D	carb	18/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ONE 35 front tub.</b>	505	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear tub.</b>	710	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear tub. (HG)</b>	710	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 front tub.</b>	545	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 50 rear tub.</b>	720	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 rear tub. (HG)</b>	720	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ULTRA™ 35 front cl.</b>	575	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		
<b>BORA™ ULTRA™ 35 rear cl.</b>	785	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 35 rear cl. (HG)</b>	785	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 front cl.</b>	630	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	carb	•	C	carb	•		
<b>BORA™ ULTRA™ 50 rear cl.</b>	805	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ULTRA™ 50 rear cl. (HG)</b>	805	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	carb	•	C	blk/carb	•		9/10/11
<b>BORA™ ONE 35 front cl.</b>	600	carb	35/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear cl.</b>	805	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear cl. (HG)</b>	805	carb	35/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 front cl.</b>	655	carb	50/24,2		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 50 rear cl.</b>	830	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 rear cl. (HG)</b>	830	carb	50/24,2		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11

ALU/CARBON WHEELS

<b>BULLET™ ULTRA™ front cl.</b>	727	alu/carb	50/20,5		B/D	carb	18		RDB	SS	AE DB	alu	100	alu	•	U/C	black	•		
<b>BULLET™ ULTRA™ rear cl.</b>	863	alu/carb	50/20,5		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U/C	black	•		9/10/11
<b>BULLET™ ULTRA™ rear cl. (HG)</b>	902	alu/carb	50/20,5		B/D	carb	21/G3™		RDB	SS	AE DB	alu	130	alu	•	U/C	black	•		9/10/11
<b>BULLET™ front cl.</b>	785	alu/carb	50/20,5		B	carb	18		RDB	SS	AE DB	BR	100	alu		S	black	•		
<b>BULLET™ rear cl.</b>	970	alu/carb	50/20,5		B	carb	21/G3™		RDB	SS	AE DB	BR	130	alu		S	black	•		9/10/11
<b>BULLET™ rear cl. (HG)</b>	1009	alu/carb	50/20,5		B	carb	21/G3™		RDB	SS	AE DB	BR	130	alu		S	black	•		9/10/11

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  
 B=Bright - D=Dark - BLK SAT=black satinized

\* Average weight - does not include the quick-release and the rim-tape - wheel weight may vary depending on the tolerance of the production process.



ROAD - RIM BRAKE

ALUMINIUM WHEELS

	NOMINAL WEIGHT [g]*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - mm (NOMINAL)	ULTRA-FIT™	LABELS	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES	DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	NIPPLE MATERIAL	O.L.D. [mm]	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY
SHAMAL™ MILLE™ front cl.	638	alu	24-27/22		D	blk sat	16		RDB	alu	AE DB		alu	100	alu/carb	•	U	blk/carb	•	
SHAMAL™ MILLE™ rear cl.	821	alu	27-30/22		D	blk sat	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ MILLE™ rear cl. (HG)	821	alu	27-30/22		D	blk sat	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ front cl.	623	alu	24-27/22		B	black	16		RDB	alu	AE DB		alu	100	alu/carb	•	U	blk/carb	•	
SHAMAL™ ULTRA™ rear cl.	826	alu	27-30/22		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ rear cl. (HG)	826	alu	27-30/22		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ 2-Way Fit™ front	641	alu	24-27/22	•	B	black	16		RDB	alu	AE DB		alu	100	alu/carb	•	U	blk/carb	•	
SHAMAL™ ULTRA™ 2-Way Fit™ rear	834	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
SHAMAL™ ULTRA™ 2-Way Fit™ rear (HG)	834	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu/carb	•	U	blk/carb	•	9/10/11
EURUS™ front cl.	640	alu	24-27/20		B	black	16		RDB	alu	AE DB		alu	100	alu	•	S	black	•	
EURUS™ rear cl.	825	alu	27-30/20		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
EURUS™ rear cl. (HG)	864	alu	27-30/20		B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
EURUS™ 2-Way Fit™ front	645	alu	24-27/20	•	B	black	16		RDB	alu	AE DB		alu	100	alu	•	S	black	•	
EURUS™ 2-Way Fit™ rear	840	alu	27-30/20	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
EURUS™ 2-Way Fit™ rear (HG)	879	alu	27-30/20	•	B	black	21/G3™		RDB	alu	AE DB		alu	130	alu	•	S	black	•	9/10/11
ZONDA™ front cl.	678	alu	24-27/22		B	black	16		RDB	SS	AE DB		BR	100	alu	•	S	black	•	
ZONDA™ rear cl.	862	alu	27-30/22		B	black	21/G3™		RDB	SS	AE DB		BR	130	alu	•	S	black	•	9/10/11
ZONDA™ rear cl. (HG)	862	alu	27-30/22		B	black	21/G3™		RDB	SS	AE DB		BR	130	alu	•	S	black	•	9/10/11
SCIROCCO™ front cl.	746	alu	35/22		B	• black	16			SS	AE DB		alu	100	alu		S	black	•	
SCIROCCO™ rear cl.	908	alu	35/22		B	• black	21/G3™			SS	AE DB		alu	130	alu		S	black	•	9/10/11
SCIROCCO™ rear cl. (HG)	908	alu	35/22		B	• black	21/G3™			SS	AE DB		alu	130	alu		S	black	•	9/10/11
KHAMSIN™ ASYMMETRIC front cl.	815	alu	24/20,5		B	• black	18			S			BR	100	alu		S	black		
KHAMSIN™ ASYMMETRIC G3™ rear cl.	975	alu	27,5/20,5		B	• black	24/G3™			S/SS			BR	130	alu		S	black		9/10/11
KHAMSIN™ ASYMMETRIC G3™ rear cl. (HG)	1014	alu	27,5/20,5		B	• black	24/G3™			S/SS			BR	130	alu		S	black		9/10/11
CALIMA™ front cl.	789	alu	24/22		B	• black	18			S			BR	100	alu		S	black		
CALIMA™ rear cl.	1037	alu	24/22		B	• black	27/G3™			S			BR	130	alu		S	black		9/10/11
CALIMA™ rear cl. (HG)	1089	alu	24/22		B	• black	27/G3™			S			BR	130	alu		S	black		9/10/11
NEUTRON™ ULTRA™ front cl.	630	alu	18/20,5		B	• black	22			SS	AE DB	•	alu	100	alu/carb	•	S	blk/carb		
NEUTRON™ ULTRA™ rear cl.	840	alu	18/20,5		B	• black	24			SS	AE DB	•	alu	130	alu/carb	•	S	blk/carb		9/10/11
NEUTRON™ ULTRA™ rear cl. (HG)	879	alu	18/20,5		B	• black	24			SS	AE DB	•	alu	130	alu/carb	•	S	blk/carb		9/10/11

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  
 B=Bright - D=Dark - BLK SAT=black satinized

\* Average weight - does not include the quick-release and the rim-tape - wheel weight may vary depending on the tolerance of the production process.



## ROAD - DISC BRAKE

## CARBON WHEELS

	NOMINAL WEIGHT (g)*	RIM MATERIAL	RIM SECTION: HEIGHT/WIDTH - mm (NOMINAL)	ULTRA-FIT™	LABELS	REQUIRES RIM TAPE	RIM FINISHING	NUMBER OF SPOKES	DYNAMIC BALANCE	SPOKES MATERIAL	SPOKE TYPE	DIFFERENTIAL SPOKES R/L	NIPPLE MATERIAL	O.L.D. (mm)	HUB BODY MATERIAL	CUPS & CONES BEARINGS	BEARINGS VERSION	HUB FINISHING	SPOKE ANTI-ROTATION SYSTEM	COMPATIBILITY
<b>BORA™ ONE 35 front cl.</b>	690	carb	35/23,5		B/D	carb	24/G3™		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear cl.</b>	793	carb	35/23,5		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear cl. (HG)</b>	793	carb	35/23,5		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 front tub.</b>	585	carb	35/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 35 rear tub.</b>	691	carb	35/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 35 rear tub. (HG)</b>	691	carb	35/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 front tub.</b>	622	carb	50/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	100	alu	•	U	black	•		
<b>BORA™ ONE 50 rear tub.</b>	726	carb	50/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11
<b>BORA™ ONE 50 rear tub. (HG)</b>	726	carb	50/24,2		B/D	carb	24/G3™		RDB	SS	AE DB	alu	130	alu	•	U	black	•		9/10/11

## ALUMINIUM WHEELS

<b>SHAMAL™ ULTRA™ 2-Way Fit™ front</b>	715	alu	24-27/22	•	B	black	21/G3™		RDB	alu	AE DB	alu	100	alu/carb	•	U	blk/carb	•		
<b>SHAMAL™ ULTRA™ 2-Way Fit™ rear</b>	842	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB	alu	130	alu	•	U	blk/carb	•		9/10/11
<b>SHAMAL™ ULTRA™ 2-Way Fit™ rear (HG)</b>	842	alu	27-30/22	•	B	black	21/G3™		RDB	alu	AE DB	alu	130	alu	•	U	blk/carb	•		9/10/11
<b>ZONDA™ DB front cl.</b>	786	alu	26-28/22		B	black	21/G3™		RDB	SS	AE DB	alu	100	alu	•	S	black	•		
<b>ZONDA™ DB rear cl.</b>	889	alu	26-28/22		B	black	21/G3™		RDB	SS	AE DB	alu	135-142	alu	•	S	black	•		9/10/11
<b>ZONDA™ DB rear cl. (HG)</b>	889	alu	26-28/22		B	black	21/G3™		RDB	SS	AE DB	alu	135-142	alu	•	S	black	•		9/10/11

## TRIATHLON - TIME TRIAL

<b>BORA™ ULTRA™ TT rear tub.</b>	864	carbon	D/20		B	carb				carbon			130	alu	•	C	black	•		9/10/11
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## PISTA

<b>GHIBLI™ front tub. track</b>	800	carb	D/20										100	alu	•	C				
<b>GHIBLI™ rear tub. track</b>	825	carb	D/20										120	alu	•	C				
<b>PISTA™ front tub. track</b>	995	alu	38/20		B	black	20			SS	AE	alu	100	alu	•	S	black			
<b>PISTA™ rear tub. track</b>	1040	alu	38/20		B	black	24			SS		alu	120	alu	•	S	black			
<b>BORA™ ULTRA™ 80 front tub. track</b>	705	carb	80/20		B	carb	16		RDB	SS	AE DB	alu	100	carb	•	C	blk/carb	•		

## KEY

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**B**=Bright - **D**=Dark - **BLK SAT**=black satinized

\* Average weight - does not include the quick-release and the rim-tape - wheel weight may vary depending on the tolerance of the production process.



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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