

The Campagnolo logo is displayed in a white, cursive script font on a dark blue rectangular background. The background of the entire page is a repeating pattern of stylized, metallic-looking letters in a cursive font, set against a dark, textured background.

Campagnolo

2010

ENG



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CAMPAGNOLO® **FUTURE BOND**

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

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

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



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

Raising the level means just this: our continuous and determined striving towards innovation, intended as a necessary thrust towards the future. The driver for Campagnolo®'s success is rooted in the company's energy, intended as its innovative power and its ability to dictate trends in technical solutions, materials and technologies: always being the first in the ascent, overcoming fatigue and foretasting the descent.

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

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



PRO-TEAMS 2009

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

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

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

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

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

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





2009 PRO-TEAMS

BICYCLE BRAND

COUNTRY TEAM

Liquigas
Lampre-Fondital
LPR
G.S. CSF Group Navigare
Acqua e Sapone

Cannondale
Wilier Triestina
De Rosa
Colnago
De Rosa

Italy
Italy
Italy
Italy
Italy

Cofidis
Bouygues-Telecom

Look
Time

France
France

Quick-Step Innergetic
Silence - Lotto
Katusha
Topsport-Vlaanderen

Specialized
Canyon
Ridley
Merckx

Belgium
Belgium
Belgium
Belgium

Caisse d'Epargne

Pinarello

Spain

BMC Usa Team

BMC Usa

USA

Nippo
Aisan Racing Team

Colnago
Pinarello

Japan
Japan

THE AIM WAS THE SAME FOR ALL OUR PROJECTS: **INCREASE PERFORMANCE**. THIS IS BECAUSE WE KNOW THAT THOSE WHO CHOOSE CAMPAGNOLO® DEMAND FLAWLESS HIGH-PERFORMANCE PRODUCTS AND ONLY LOOK FOR THE BEST FOR THEIR BIKE. YOU CAN SEE THE RESULTS OF **EVOLUTION, DEDICATION AND THE SEARCH FOR PERFECTION** FOR YOURSELF IN THE NEW 2010 RANGE.

ERGOPOWER™ ULTRA-SHIFT™ CONTROLS

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

ERGONOMICS

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

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



COMFORT

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

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

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



No-Bulge™ technology:

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



Multi-density Vari-Cushion™ hood:

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

EFFICIENCY

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

BRAKING EFFICIENCY

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

11-SPEED DRIVETRAIN

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

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



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

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

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

A FOUR-YEAR WARRANTY



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

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

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

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

Campagnolo® components are designed to last.

ULTRA-SHIFT™ 11-SPEED FRONT DERAILLEURS



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



Special inner cage design:

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



ERGOPOWER™ ULTRA-SHIFT™ 11-SPEED CONTROLS



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

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

Operating fluidity has also been improved. Thanks to a favourable lever ratio the force required for actuating the **front and rear derailleurs** is a lot lower than with the old controls.

11-SPEED REAR DERAILLEUR



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

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



Oversize outer plate and redesigned parallelogram:

- greater rigidity and shifting precision

Special lightened pulleys:

- reduced vibration
- increased chain smoothness
- greater lightness





11-SPEED
SPROCKETS



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

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

Enhanced timing:

- faster shifting speed
- less stress on the chain

Superlight aluminium lockring

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



11-SPEED
CHAIN

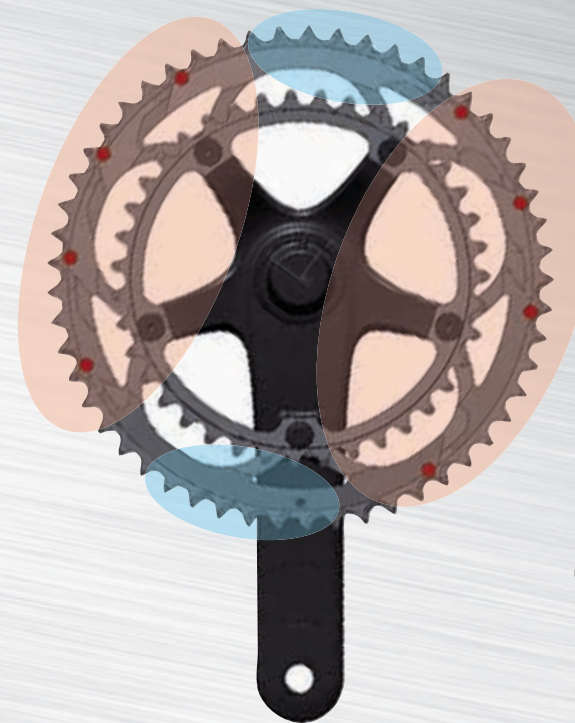


We have reduced the width of the chain to 5.5 millimetres with the new spacing and a new material has been envisaged for the outer links. The pins are hollow inside to reduce the weight while maintaining strength. It is necessary to use tool UT-CN300 to fit it. The Ni-PTFE treatment ensures **smoothness and long life**. The Ultra-Link™ fastening system guarantees strength and operation with the 11-speed sprockets.



11-Speed chain:

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



11-SPEED
CRANKSET



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

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

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



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

This solution features two specialized sectors for upshifting and two for downshifting.

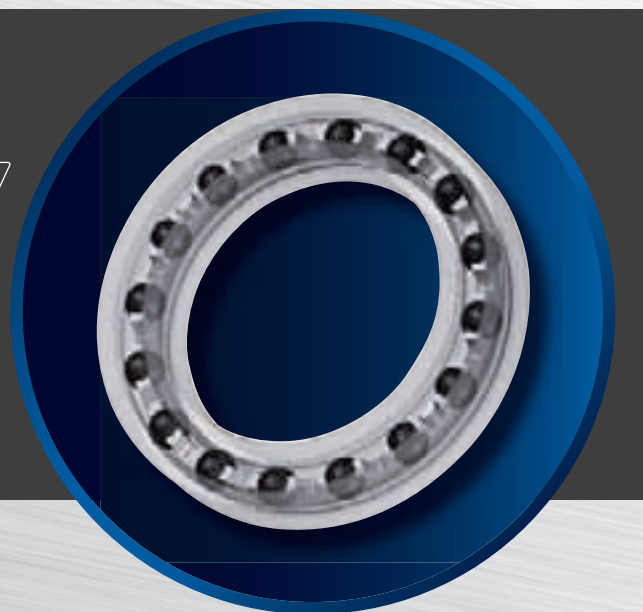
- Up-shift sector
- Downshift sector

CULT™

CERAMIC ULTIMATE LEVEL TECHNOLOGY

CULT™ CERAMIC ULTIMATE LEVEL TECHNOLOGY

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



Campagnolo® is **evolving the ceramic ball bearing concept** using CULT™ (Ceramic Ultimate Level Technology). We have combined the best ceramic ball bearings on the market with a stainless chromium steel with exceptional hardness called Cronitect®. It's the result of the "Advanced by FAG" technology, Schaeffler Group, and it will be a **Campagnolo exclusivity** for the next 2 years (for the cycling field). The thermochemical treatment of the surface layer ensures resistance to corrosion and wear. It also improves smoothness and grease is no longer required.

Cronitect® has achieved exceptional results in the salt spray fog test, standing out decisively from the other stainless steels. CULT™ technology is destined only for the top products: Super Record™ cranksets and the highest range wheels.

USB™ ULTRA SMOOTH BEARINGS

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

USB™ - Ultra Smooth Bearings - technology is used for Record™ cranksets and for the new Shamal™ Ultra™ wheels.

SKELETON™
BRAKES

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

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

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

ULTRA-TORQUE™ OS-FIT™
INTEGRATED CUPS

THE CAMPAGNOLO® SOLUTION FOR **BB30 AND 86,5x41 OVERSIZE BOTTOM BRACKETS**



Campagnolo® firmly believes in the oversize bottom bracket but, as is our custom, instead of following the others we have taken our own path, the one that leads to the best outcome. Making the Ultra-Torque™ crankset oversize would have meant going against its nature and losing the characteristics and performance features that have made it the crankset preferred by cyclists over the last several years. So Campagnolo® decided to take advantage of the effectiveness of that design and modify only the cups. In fact, **the new Ultra-Torque™ OS-Fit™ integrated cups have the same bearing seat function of the already well-known Ultra-Torque™ cups**, and replace them to make the Ultra-Torque™ crankset perfectly compatible with bottom bracket shells with 86.5 mm diameter and with BB30 bottom brackets. In addition, the new OS-Fit™ cups are 20 grams lighter than the standard cups. **The new UT-BB140 tool, designed specially by Campagnolo®, is required for fitting the OS-Fit™ cups.**

RAISE THE LEVEL WITH 11 SPEED!

IN THE VANGUARD OF TECHNOLOGICAL INNOVATION.

THE 11-SPEED GROUPSETS ARE THE FRUIT OF OUR KNOW-HOW, OF OUR CONTINUOUS INNOVATIVE DRIVE.

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

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

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

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

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

THIS YEAR THE 11 SPEED PROJECT HAS BEEN EXPANDED WITH THE INTRODUCTION OF THE NEW ATHENA™ 11 SPEED GROUPSET, BASED ON THE SAME INNOVATIVE TECHNICAL SOLUTIONS BUT WITH A SILVER FINISH.

11TM
SPEED

11 SPEED GROUPSETS

- 18 | SUPER RECORD™
- 28 | RECORD™
- 36 | CHORUS™
- 44 | ATHENA™





SUPER RECORD™ GROUPSET

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

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

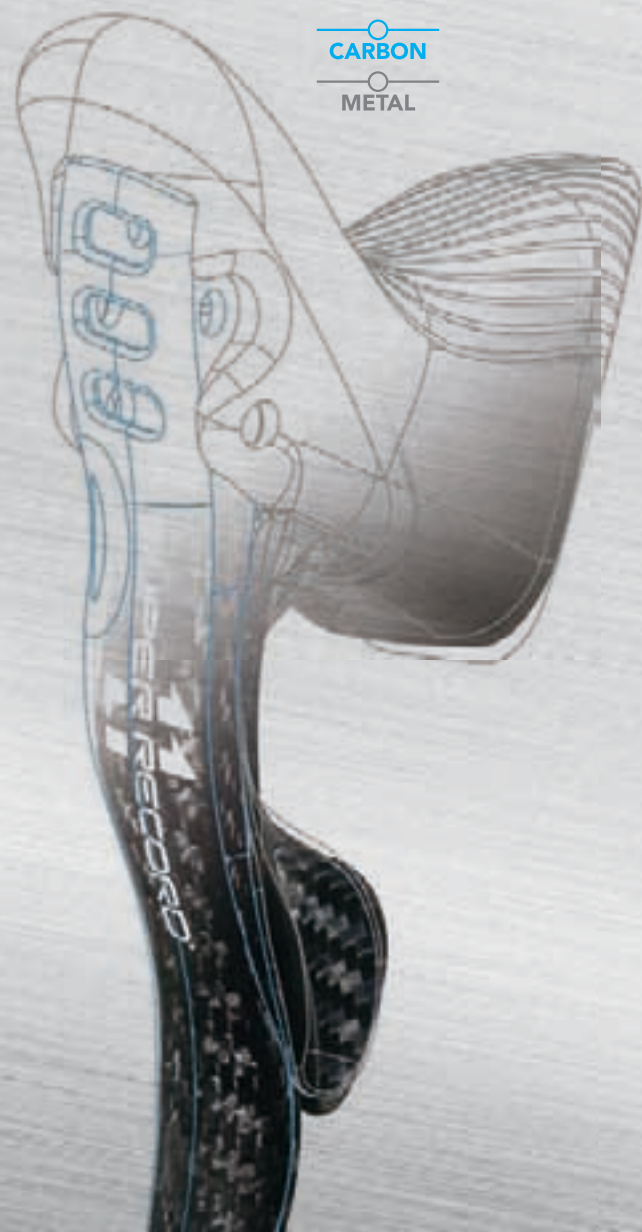
Consistent with our mission we have **raised the level** for the umpteenth time. Before everyone, ahead of everyone: this is the **peerless level of excellence** established by Campagnolo®. The Super Record™ groupset: **the perfect tool for winning. Every time.**

ERGOPOWER™ ULTRA-SHIFT™ SUPER RECORD™ CONTROLS

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

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

Shifting and braking have never been so easy.



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



SUPER RECORD™ CRANKSET



OUR **CULT™ TECHNOLOGY** AND THE SPECIAL **CORROSION-PROOF TREATMENT** EXALT ITS STRENGTH AND ENDURANCE.

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

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



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



SUPER RECORD™ REAR DERAILLEUR

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



The **carbon outer plate** wraps around the metal body and executes the commands from the Ergopower™ Ultra-Shift₂ controls with precision. **Maximum smoothness for the cage pulleys** made of anti-vibration material.

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



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



SUPER RECORD™ FRONT DERAILLEUR

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

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

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



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

SUPER RECORD™ SPROCKET SET

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

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

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



- redesigned design toothing
- Nickel-Chrome treatment
- light alloy locking
- double chain for the larger sprockets
- evolved sprocket timing



RECORD™ CHAIN

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

A **special treatment** ensures smoothness.



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

SUPER RECORD™ BRAKES

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



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

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

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

The screws are in titanium.



• Front



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



• Rear





RECORD™ GROUPSET

RECORD™ 4i_{SPEED}

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

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

RECORD™ REAR DERAILLEUR

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

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



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



ERGOPOWER™ ULTRA-SHIFT™ RECORD™ CONTROLS

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

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

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

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

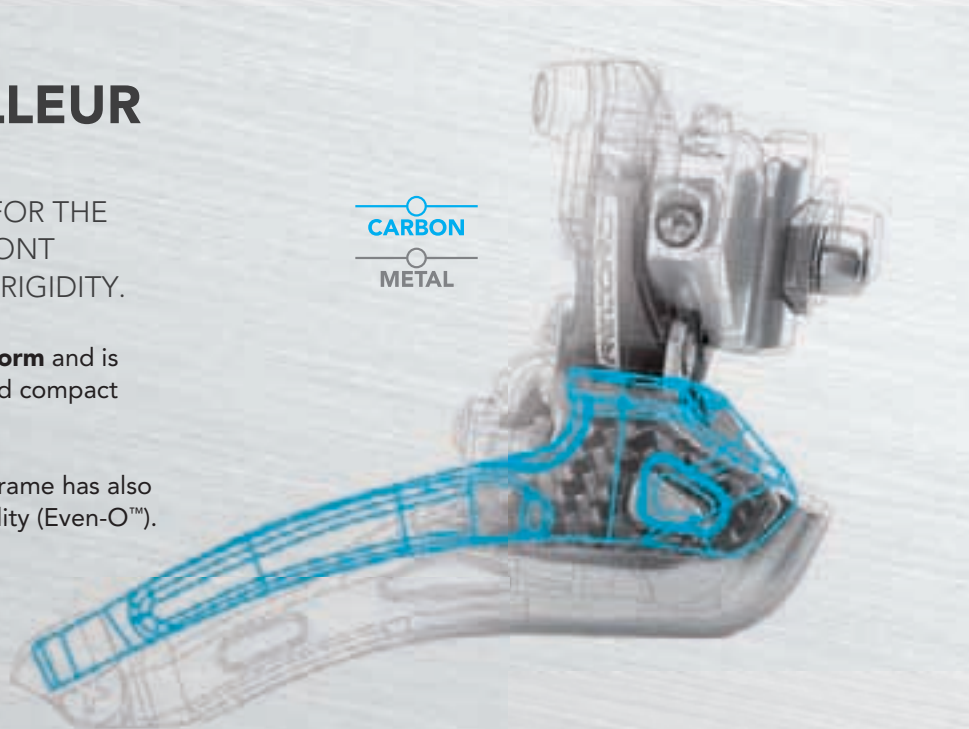


RECORD™ FRONT DERAILLEUR

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

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

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



RECORD™ CHAIN

EXTREME STRENGTH FOR THE RECORD™ CHAIN.

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

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



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



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

RECORD™ CRANKSET



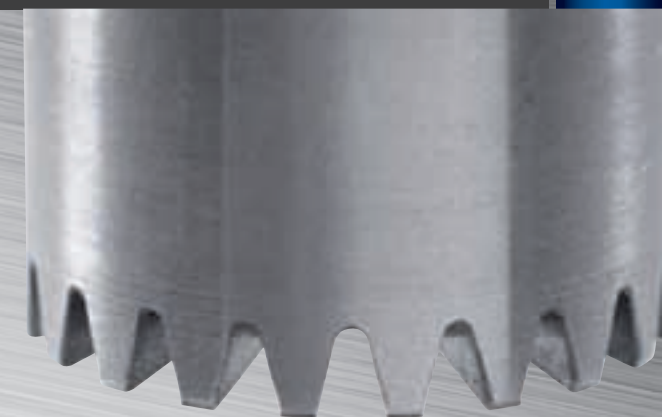
THE RECORD™ CRANKSET EXPLOITS UNIDIRECTIONAL AND MULTIDIRECTIONAL CARBON FIBRE STRUCTURED ACCORDING TO **ULTRA-HOLLOW™ TECHNOLOGY** WHICH ENVISAGES HOLLOW CRANKS AND SPOKES.

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

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



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



RECORD™ SPROCKET SET

STEEL AND TITANIUM FOR AN IDEAL SPROCKET SET.

8 SPROCKETS OF THE RECORD™ SPROCKET SET ARE IN FACT MADE OF STEEL WHILE THE REMAINING 3 ARE IN TITANIUM.

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

The steel sprockets have a Nickel-Chrome surface treatment.



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

RECORD™ BRAKES

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

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

The differentiated front and rear geometry ensures power and progressiveness.



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



AND TO COMPLETE THE GROUPSET...

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





CHORUS™ GROUPSET

CHORUS™ 41^{SP}
SPEED

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

This groupset also comprises seat post.

CHORUS™ REAR DERAILEUR

THE 11-SPEED CHORUS™ REAR DERAILEUR HAS A PARALLELOGRAM WITH AN **OVERSIZE CARBON FIBRE OUTER PLATE**.

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

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



CARBON
METAL



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

CHORUS™ CRANKSET



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

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



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



ERGOPOWER™ ULTRA-SHIFT™ CHORUS™ CONTROLS

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

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

Maintenance has been reduced to a minimum.



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



CHORUS™ CHAIN

SILENCE, ACTION.

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

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

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

CHORUS™ FRONT DERAILLEUR

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

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



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



CHORUS™ BRAKES

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



Front

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

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



Rear



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



CHORUS™ SPROCKET SET

PAINSTAKING WORK WAS CARRIED OUT ON THE SPROCKETS.

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

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



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



AND TO COMPLETE THE GROUPSET...

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



ATHENA™ GROUPSET

ATHENA™ 11[™]
SPEED

Athena™ is the first 11 speed groupset with a **silver finish**, made for riders who expect state-of-the art performance from a Campagnolo® **11 speed groupset** but without the high cost of the pro level groups. Technology, innovation, style and class are now available to all Campagnolo® enthusiasts.

ATHENA™ ULTRA-SHIFT™ ERGOPOWER™ CONTROLS

THE NEW ATHENA™ ULTRA-SHIFT™ ERGOPOWER™ SHIFTERS ARE BUILT FOR **MAXIMUM COMFORT**, UNRIVALLED PRECISION, **POWER AND MODULATED BRAKING**, WHETHER YOUR HANDS ARE RESTING ON TOP OF THE SHIFTERS OR GRIPPING THE LOWER PART OF THE HANDLEBAR.

Every detail has been designed to allow intuitive, efficient movements.



- alu-carbon lever, carbon fibre with aluminium core
- low-friction internal mechanism
- broad support base
- comfort and safety
- optimized ergonomics



ATHENA™ CRANKSET



THE ATHENA™ 11 SPEED CRANKSET APPLIES CAMPAGNOLO® ULTRA-TORQUE™ TECHNOLOGY TO ENSURE MAXIMUM TRANSFER OF ENERGY WITH EVERY PEDAL STROKE.

In its **basic version** the crankset is made of **aluminium** in both the standard and compact models, with an **alternative carbon fibre version** for an even lighter groupset.



- Ultra-Torque™ technology
- sectors with special ESP™ profile on the outer chainring
- tooth profile with Ultra-Shift™ design
- also available in carbon fibre version



ATHENA™ REAR DERAILLEUR

THE INNOVATIVE ULTRA-SHIFT™ GEOMETRY OF THE ATHENA™ 11 SPEED REAR DERAILLEUR MAKES FOR A PERFECTLY **RIGID** ASSEMBLY THAT GUARANTEES **FAST AND PRECISE SHIFTING** UNDER ANY CONDITIONS.

The cages and bodies are all in aluminium, and the special pulleys are designed to reduce noise and vibrations.



- new 11 speed parallelogram
- aluminium alloy bodies
- aluminium outer plate
- anti-vibration pulleys

ATHENA™ FRONT DERAILLEURS

THE STEEL FORK, IMPROVED BY SPECIAL ANTIFRICTION TREATMENTS, IS **DESIGNED TO ACCURATELY GUIDE THE CHAIN** FROM ONE CHAINRING TO THE OTHER, EVEN WHEN **UNDER TENSION**, AND FULLY EXPLOITS THE CHAIN CROSSINGS AND ALL 11 AVAILABLE GEARS.



- Even-O™ frame clamp
- M-brace™ body geometry
- same geometry for compact or standard cranksets



CHORUS™ CHAIN

BICYCLE CHAINS ARE AMONG THE MOST CRITICAL COMPONENTS TO DESIGN.

With its 11 Speed chain, Campagnolo® has outdone itself: a 5.5 mm wide chain, **incredibly smooth** over sprockets and chainrings and extremely **quiet performance** both when pedalling and shifting. Supplied with the Athena™ groupsets, Chorus™ chains are a component of superior quality that further improves the groupset's performance.

- specially treated steel outer links for improved strength
- Ultra-Link™ closing system
- antifriction Ni-PTFE treatment
- width 5.5 mm

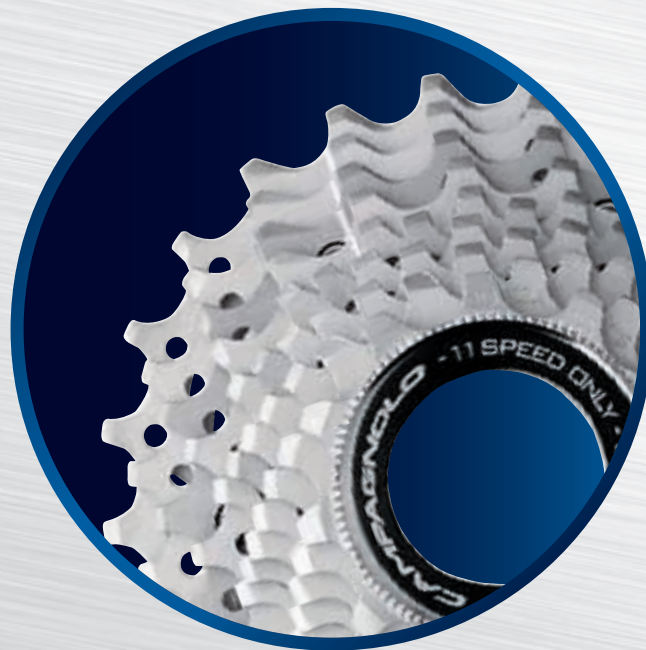


CHORUS™ SPROCKET SET

THE SPROCKET SET SUPPLIED WITH THE ATHENA™ GROUPSET IS THE CHORUS™ 11 SPEED, **A TRUE MASTERPIECE OF DESIGN.**

The teeth have been designed so that shifting is always instantaneous, precise and quiet. The new frames that group together the last six sprockets in two subsets form a **rigid structure that significantly improves shifting precision and power transmission.**

Another example of top class components made for superior performance.



- special frames for the six larger sprockets
- special sprocket tooth profile
- nickel-chromium surface treatment




ATHENA™ BRAKES

ATHENA™ BRAKES ARE DESIGNED TO STOP YOUR BICYCLE IN THE SHORTEST POSSIBLE SPACE AND WITH THE **GREATEST SAFETY.**

Lightweight and extremely rigid thanks to their special Skeleton design, **Athena™ brakes are differentiated:** maximum power on the front brake and maximum modulation on the rear brake. allowing any rider to exploit the full braking power of Athena™ brakes.



- Skeleton design
- differentiated front-rear brakes
- orbitally adjustable brake pads
- high-performance compound for both dry and wet surfaces



THE **CENTAUR™** AND **VELOCE™**
GROUPSETS GUARANTEE
SOLIDITY AND STRENGTH
WHILE STILL MAINTAINING HIGH
PERFORMANCE LEVELS.

It is enough to remember that the
fatigue test parameters for these
groupsets are exactly the same as
for the 11-speed ones.

10 SPEED GROUPSETS

54 | CENTAUR™

62 | VELOCE™



CENTAUR™ GROUPSET

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

Guaranteed by Campagnolo®.

ERGOPOWER™ ULTRA-SHIFT™ CENTAUR™ CONTROLS

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

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

The mechanism is **extremely smooth**, polymer bushes are used.



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

CENTAUR™ CRANKSET



WHAT KIND OF CRANKSET DO YOU WANT?

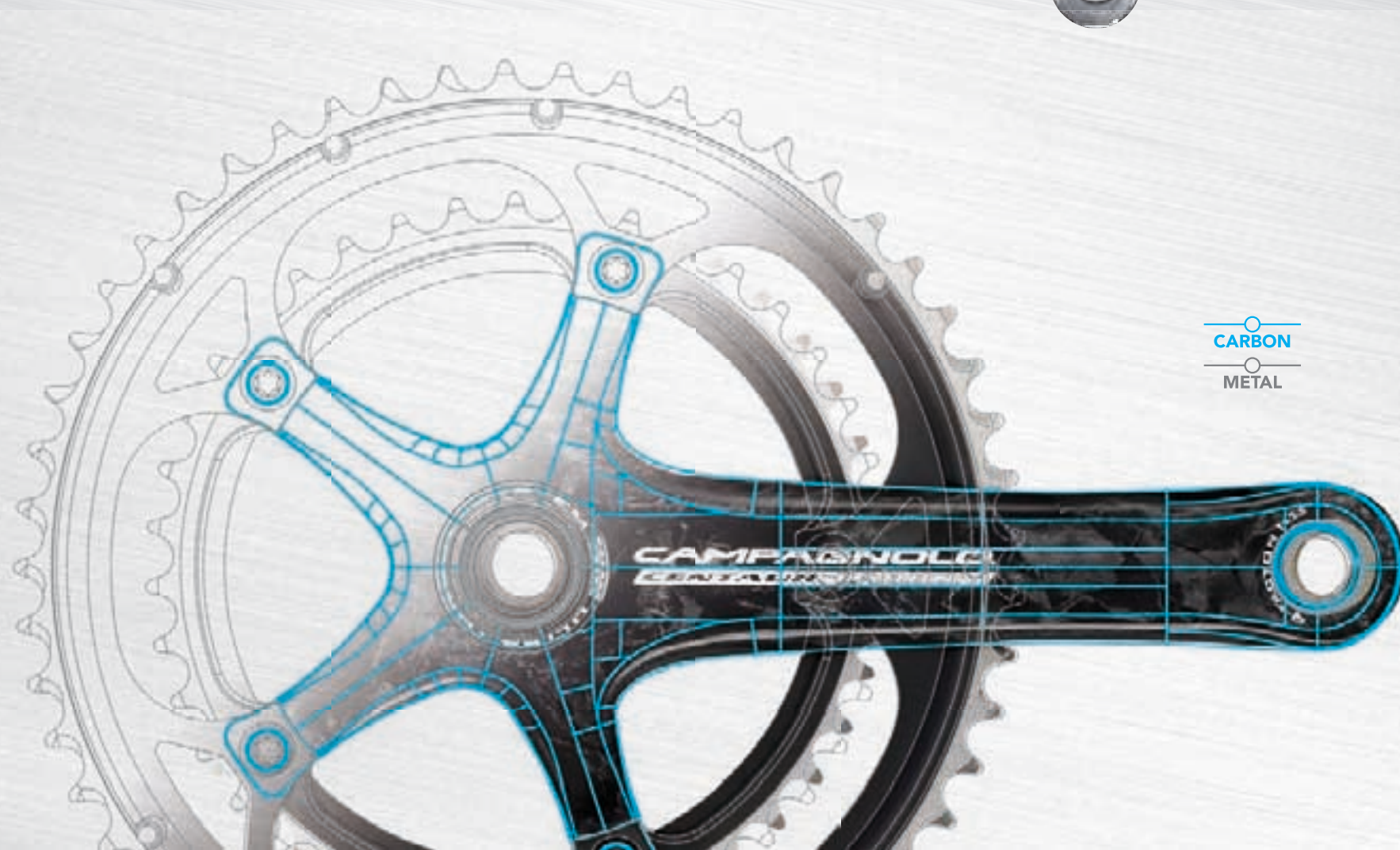
YOU ARE JUST SPOILED FOR **CHOICE** WITH THE CENTAUR™ GROUPSET.

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

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



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



CARBON
METAL

CENTAUR™ FRONT DERAILLEUR

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

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



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



CENTAUR™ SPROCKET SET

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

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



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



RECORD™ CHAIN

STARTING THIS YEAR, CENTAUR™ GROUPSETS WILL BE SUPPLIED TOGETHER WITH **RECORD™ 10S** CHAINS.

Greatly improved especially in terms of **weight reduction**, Record™ chains are fitted with lightened links and hollow pins to eliminate all excess weight while providing the same levels of mechanical resistance.



- HD-Link™ closing system
- lightened links
- hollow pins
- anti-friction treatment
- width 5.9 millimetres



CENTAUR™ REAR DERAILLEUR

HOW DO YOU FEEL TODAY?

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

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

The chain guide pulleys run on **sintered metal** bushes for longer life and low friction.



Short



Medium



- aluminium body
- composite outer plate
- short or medium cage
- anti-vibrations rubber pulleys

CENTAUR™ BRAKES

LIGHTNESS AND POWER: THIS IS WHAT YOU WANT.

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



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



Front



Rear



VELOCE™ GROUPSET

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

VELOCE™ ULTRA-SHIFT™ ERGOPOWER™ CONTROLS

VELOCE™ ERGOPOWER™ CONTROLS COME WITH THE ULTRA-SHIFT™ 11 SPEED GROUPSET DESIGN AND ALL THE RELATIVE ADVANTAGES:

greater comfort for the hands , more accurate shifting and derailing and greater braking power and modulation whether your hands are resting on the hoods or gripping the drop handlebar.



- aluminium levers
- broad support base
- smooth shifting mechanism
- utmost mechanical precision



VELOCE™ CRANKSET



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

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



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

VELOCE™ FRONT DERAILLEUR

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

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



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



VELOCE™ SPROCKET SET

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

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



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



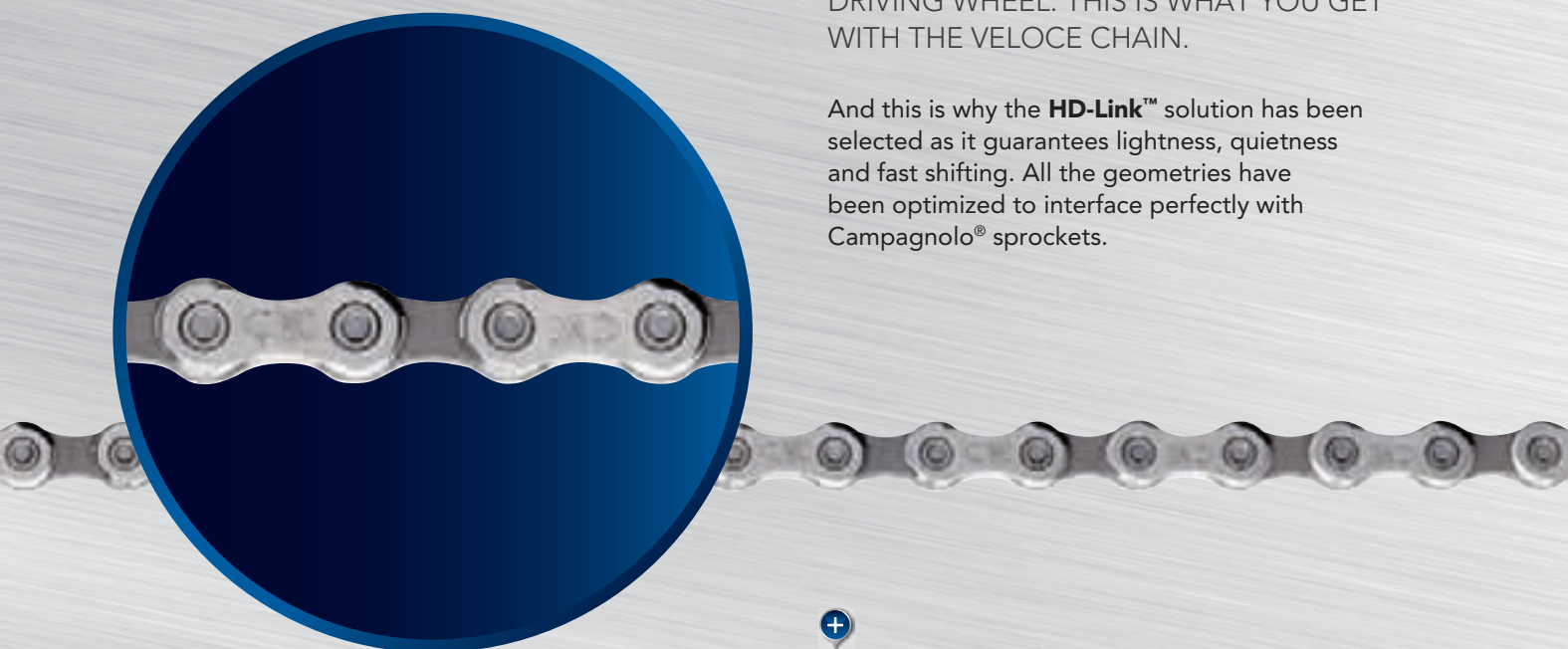
VELOCE™ CHAIN

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

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



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



VELOCE™ REAR DERAILLEUR

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

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



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





VELOCE™ BRAKES

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

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



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





RECORD™ PISTA™

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

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



TIME TRIAL™

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

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



COMP TRIPLE™

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

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

