



2006

Products Range

Campagnolo

Campagnolo

www.campagnolo.com

ENG



Campagnolo®

Dear Friend,

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

Campagnolo, Campy, Record, Chorus, EPS, CT, Centaur, Veloce, Mirage, Xenon, Hyperon, Neutron, Proton, Eurus, Zonda, Scirocco, Vento, Bora, Ghibli, Pista, Time Trial, Ergobrain, Superlative, Floating-Link-Action, HD-Link, HD-L, Exa-Drive, Ultra-Drive, Pro-Fit, Pro-Fit PLUS, Differential brakes, Threadless, Hiddenset, Hiddenset TTC, TTC, Ergopower, BB System, C10, C9, ED, UD, Ultra Narrow, HPW, G3, Grouped Spokes, DPRO, Dual Profile, Ultralinear-Geometry, Ultralinear, Differential rims, Differential spokes, Asymmetric, Ultra, Ultra Aero, Full Carbon, Multidirectional, Unidirectional, AC-H, AC-S, SC-S, Big, Miro, Pro-Shop, Tecnologia ed Emozione, are Campagnolo Srl Trademarks

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2005 TEAMS

In this century that is dominated by sportbiz, professional sport, programming results, television technology, action replays that never lie, hi-definition images on plasma and LCD screens, cycling still manages to stand out, still manages to offer epic moments, moments that have the flavour of those unforgettable sporting exploits in black and white. Effort, dedication, suffering, commitment, satisfaction and joy. Dozens of years have passed, but cycling is still all of that. Only those who have climbed up a mountain on their bicycle can appreciate the effort, the passion, the commitment and the joy that one feels upon reaching the summit and pausing there a moment to enjoy one's victory over oneself.

Professional cyclists live for these emotions and transmit them to us in every event. Whether it be a stage race or a one-day classic, they are there to give their all in any situation, whatever the weather is like. They are generous sportspeople who never take it easy, who are never content with their achievements. Each competition is a chapter in itself where anything may happen.

Campagnolo® has been sharing these emotions with them for over 70 years. 70 years at their side to supply them top-performance components and wheels that are totally reliable. Performance that is never in doubt and must never be in doubt. Performance that provides them with maximum liberty of expression and scope for reading the race. Each component has been designed to work in perfect harmony with the others, a perfect system that makes all movements easy and instinctive, which makes each action effective and any result possible.



A. Petacchi



A. Flecha

2005 Professional Teams - Italy

Pro Team	Frame	Top Riders
Fassa Bortolo	Pinarello	Alessandro Petacchi Juan Antonio Flecha
Liquigas - Bianchi	Bianchi	Danilo Di Luca Magnus Backstedt
Lampre - Caffita	Cannondale	Damiano Cunego Gilberto Simoni
Ceramica Panaria - Navigare	Colnago	Emanuele Sella



D. Di Luca



M. Backstedt



G. Simoni



D. Cunego



2005 Professional Teams - Belgium

Pro Team	Frame	Top Riders
Quick Step - Innergetic	Time	Paolo Bettini Tom Boonen
Omega Pharma Davitamon Lotto	Ridley	Robbie McEwen Peter Van Petegem
Landbouwkrediet - Colnago	Colnago	Ludo Dierckxsens
Chocolat Jacques T. Interim	Merckx	Nico Eeckhout



R. McEwen



A. Merckx



W. Van Speybroek

L. Dierckxsens



2005 Professional Teams - France

Pro Team	Frame	Top Riders
Ag2r Prevoyance	Decathlon	Jean-Patrick Nazon





2005 Professional Teams - Spain

Pro Team	Frame	Top Riders
Saunier Duval – Prodir	Scott	Leonardo Piepoli Juan Manuel Garate
Illes Balears – Caisse d'Epargne	Pinarello	Francisco Mancebo Alejandro Valverde
Relax – Fuenlabrada	Gios	Josep Jufre



A. Valverde



J. Jufre



2005 Professional Teams

Pro Team	Frame	Country	Top Riders
Phonak – Hearing Systems	BMC	CH	Martin Perdiguero Miguel Angel
Tenax	Olmo	IRL	Timoty Jones
Team Barloworld	De Rosa	GB	Igor Astarloa
Jelly Belly	Orbea	USA	Danny Pate Ben Brooks

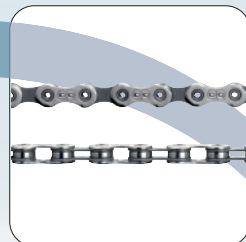


Sprocket set

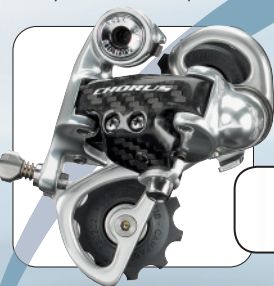
The teeth of the Campagnolo® sprocket set feature an Ultra-Drive™ geometry and have been specially machined to interface perfectly with the geometry of Campagnolo® chains to produce perfect ratios both when upshifting and downshifting, even when pulling on the chain.

**Chain**

Geometries and dimensions have been studied to perfectly match the machining of the chainrings and the sprockets to optimize transmission of the rider's leg-power and ensure that the chain is moved up and down the sprockets and chainrings rapidly, precisely and silently.

**Rear derailleur**

A composite system of springs that are balanced together means that the action of the control transmitted by cable is matched by perfect shifting of the rear-derailleur parallelogram. This shift moves the cage and positions the chain rapidly and silently on the selected sprocket.



Campagnolo® drivetrain: a single integrated design

Crankset

The chainrings of the Campagnolo® cranksets use Ultra-Drive™ geometry, as do the chain and sprockets, and have special sectors, namely special machining and pins that match the Campagnolo® chains perfectly to always move them up and down at the most efficient point.

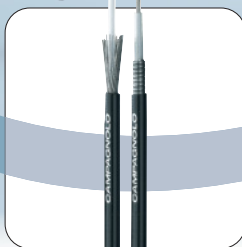
**Ergopower™ shifters**

The Campagnolo® Ergopower™ shifters are used to actuate the cable-housing insert that moves by a calibrated angular portion so as to pull the control cable by the correct distance and enable the rear-derailleur parallelogram to move by the correct amount.

The same applies to the brake levers, which have been suitably sized to obtain powerful and progressive braking if combined with Campagnolo® brakes.

**Cables and housings**

The cables have to ensure fluid and smooth transmission from the Ergopower™ shifters to the rear derailleur, the front derailleur and the brakes. That's why Campagnolo® has chosen stainless steel inner wires and friction-resistant housings that are lubricated with special grease. Laboratory testing has shown that they are the only ones to provide much greater smoothness and a much more efficient drivetrain.

**Brakes**

The dimensions, geometry and materials have been chosen to operate in perfect harmony with Ergopower™ shifters and with the Campagnolo® cables and housings system. This also applies to the brake pads, whose compound has been selected to produce top performance when combined with the braking surface of a Campagnolo® rim.

Campagnolo® Drivetrain: a single integrated design

Campagnolo® components have been designed to interface only with Campagnolo® drivetrains. Materials, dimensions, design, nothing has been left to chance. This is vital teamwork where all the components work in harmony to achieve their full potential. The whole can be perfected only by paying attention to every single detail.

Each individual component has been designed to excel in itself, but always with the objective of interfacing perfectly with the others. That's the only way to obtain a drivetrain with enhanced performance. That's the only way to obtain a Campagnolo® drivetrain.



XENON™



XENON™ GROUPSET

Xenon™ is the entry-level Campagnolo® groupset, which has been designed for people taking up cycling for the first time who demand performance, reliability and endurance.

2x9 drivetrain

The 2x9 drivetrain is the classic road-bike drivetrain.

In the Xenon™ version it is available with a 39-52 crankset and with 170 or 175-mm cranks to better match the physique of each and every individual.

3x9 drivetrain

The 3x9 drivetrain is the ideal solution for lovers of cycle touring.

The Xenon™ version is available with a 30-42-52 chainrings with 170 or 175-mm cranks to enable everyone to find their own pedaling cadence.



Xenon™ rear derailleur

As with the entire Campagnolo® range, the Xenon™ groupset provides a choice of three rear derailleurs with three different lengths of derailleur cage to suit the different crankset/sprocket set combinations.

The short derailleur cage is for the combination of a double crankset with a sprocket set of up to 13-26.

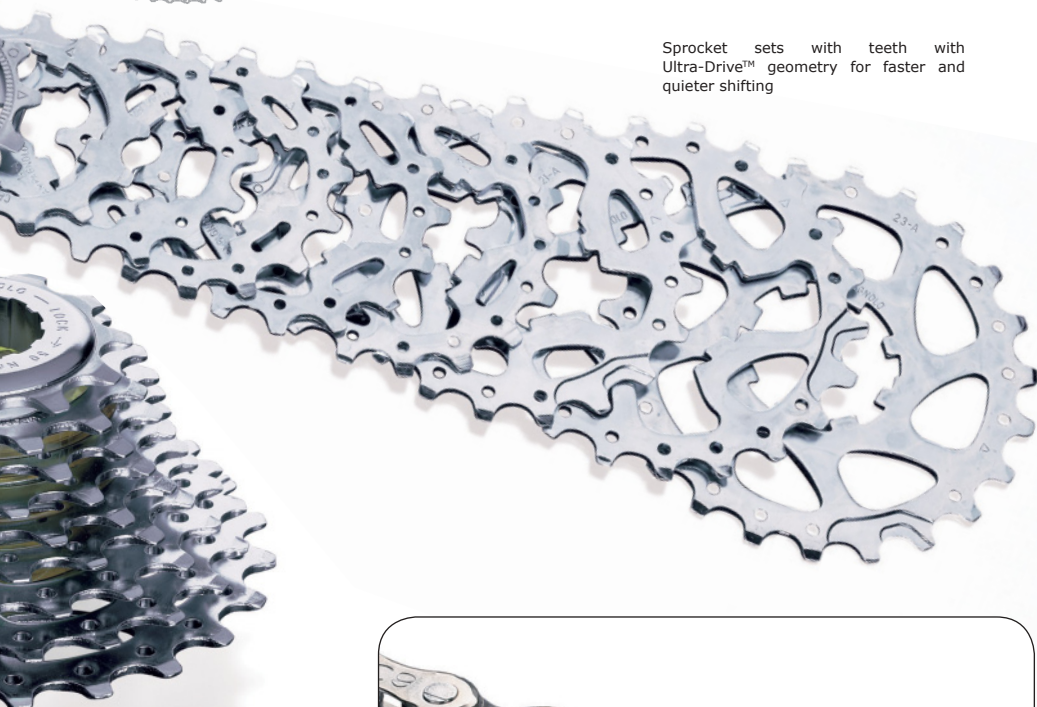
The medium derailleur cage is for the combinations of a double crankset with a sprocket set of up to 13-28 and a triple crankset with a sprocket set of up to 13-26. The long derailleur cage is for the combination of a triple crankset with a sprocket set of up to 13-28.

Xenon™ Ergopower™ shifters

The Xenon™ Ergopower™ shifters are integrated. That means that they enable the rider to change gear and brake without ever taking his or her hands off the handlebars. Their ergonomics are the same as those of the high-end groupsets and have been designed to provide great comfort and maximum functionality.



The Xenon™ front derailleur provides long-term performance and reliability



Sprocket sets with teeth with Ultra-Drive™ geometry for faster and quieter shifting



Record™ 9s chain

The Xenon™ groupset uses the Record™ 9s chain. It is made from the finest materials and incorporates the finest technology. The Ultra-Drive™ and Floating-Link-Action™ geometry together with the geometry of the sprockets and the Campagnolo chainrings ensure fast, silent and durable shifting.



Xenon™ bottom bracket: sealed bearings for maximum reliability and endurance

New Xenon™ dual pivot brakes

The Xenon™ dual pivot brakes now weigh just 340 g, i.e. 10% less than the 2005 version. The brake pads are made from a Record™ class compound that ensures powerful but progressive braking even when the pads are worn. Tests in our laboratories have shown that the braking performance of these brakes is 50% better on dry surfaces and actually 60% better on wet surfaces than the performance of other similar brands on the market. These results are even more amazing when one considers that the brake pads wear out much more slowly and are much quieter than the products with which they were compared.



Xenon™ hubs, equipped with Hi-Precision Bearings for greater smoothness, reliability and endurance

MIRAGE™



MIRAGE™ GROUPSET

The Mirage™ groupset is available in four different versions to enable you to enjoy all the different facets of a road bike: double drivetrain, triple drivetrain, compact drivetrain and with Flat Bar shifters.

Mirage™ 2x9 drivetrain

The Mirage™ double drivetrain is the classic configuration for a road bike and the ideal way to get started in cycling with quality products that ensure performance, reliability and endurance. Mirage™'s dedicated shifters on flat bars for greater comfort enable you to ride a road bike without having to take up a racing position.

New Mirage™ Compact 2x9 drivetrain

The Mirage™ groupset this year includes the CT™ drivetrain. This type of drivetrain is the ideal solution for those who want to tackle the steepest climbs more easily whilst retaining the classic double chainring configuration.



NEW



Mirage™ front derailleur for double drivetrain: fast, reliable and durable

Mirage™ 3x9 drivetrain

The Mirage™ triple drivetrain means cycle touring, it means love of the natural world around us, it means 27 different gear ratios from which to select the ideal cadence for discovering the world's most beautiful mountains.



NEW



The new braze-on Mirage™ front derailleur for triple drivetrains has a new body that enables the position of the braze-on plate on the frame to be standardized

New Mirage™ CT™ and CT™ FB front derailleurs

The Mirage™ CT™ and CT™ FB front derailleurs have been designed to interface perfectly with the Mirage™ CT™ crankset. The cage is more curved in order to match the curvature of the smaller chainrings. The edge of the inner cage plate is oversized and is shaped like an inverted "S" for increased precision when shifting the chain from the larger chainring to the smaller one.



NEW

New clamp for braze-on front derailleurs

This is a new clamp that enables a braze-on front derailleur to be fitted to a frame that has not been set up for one. Its asymmetric design, with the fastening bolt almost tangential to the seatpost ensures even closure around the entire circumference of the tube without causing harmful crushing.



NEW

Available in two different diameters, 32 and 35 mm, and in the finishes black and silver

New Ergopower™ Flat Bar shifters for Caliper brakes

The new Ergopower™ Flat Bar Mirage™ controls for Campagnolo® Caliper brakes have made a great leap forward in terms of performance.

A new indexing mechanism makes shifting up and down extremely light and reduces the downward stroke of the shifting lever. The new mechanism allows the rider to upshift and downshift several gears at a time.

The control combines shifter lever and brake lever for a more compact design and unequalled lightness. A barrel located on the brake lever allows the distance between the lever and handlebar grip to be adjusted without any need for tools.



NEW

New Ergopower™ Flat Bar shifters for Linear Pull Cantilever brakes

In its 2006 range Campagnolo® has introduced the Linear Pull Cantilever brakes and the Ergopower™ Flat Bar shifters that are specific to this type of brake.

These new shifters differ from the version for Caliper brakes only in their brake levers, which have a specific geometry for operating Linear Pull brakes.



NEW

Mirage™ Ergopower™ shifters

Mirage™ Ergopower™ shifters are made of composite materials to obtain the toughness of light aluminium alloys at a lower weight.



NEW

Mirage™ rear derailleurs: in three versions to obtain the best performance with a double, CT™ and triple drivetrain



NEW



NEW

The new braze-on Mirage™ FB front derailleur for triple drivetrains has been made with a new body that standardizes the position of the braze-on plate on the frame



New Mirage™ FB CT™ front derailleur

New Mirage™ dual pivot brakes

The Mirage™ dual pivot brakes are now 10% lighter, weighing just 340 g.

The pads are made from a Record™ class compound that ensures progressive braking power even when the pads are worn. Tests in our laboratories have shown that the braking performance of these brakes is 50% better on dry surfaces and 60% better on wet surfaces than those of other similar brands on the market. These results are even more amazing when one considers that brake pad noise and wear are minimal.

New Mirage™ Linear Pull Cantilever brakes

For 2006 Campagnolo® presents its first Linear Pull Cantilever brakes with 85-mm long arms. Braking is powerful and accurate on both dry and wet surfaces thanks to the special pads that have been specifically designed for this brake. The compound was tested to ensure constant performance even when the brake pads are worn. The compound is different from the one used for Caliper brakes but, just like that one, this one ensures that no aluminium particles will be acquired during braking. This means not damaging the braking track of the rim and prolonging the brake pads' performance.

The brake pads feature orbital adjustment to ensure an ideal position in contact with the rim.

The brake pad is connected to the brake shoe by means of a patented system. The special design of the two components enables the brake pad to be first inserted frontally and then to be housed by being pushed until it comes up against the stop, as is already the case with the brake pads for Caliper brakes.



Mirage™ hubs: the high-precision bearings provide high performance, reliability and long-term endurance

Mirage™ sprocket sets

The teeth of the Mirage™ sprocket sets feature Ultra-Drive™ geometry that enables the chain to move accurately, fast and silently from one sprocket to another.

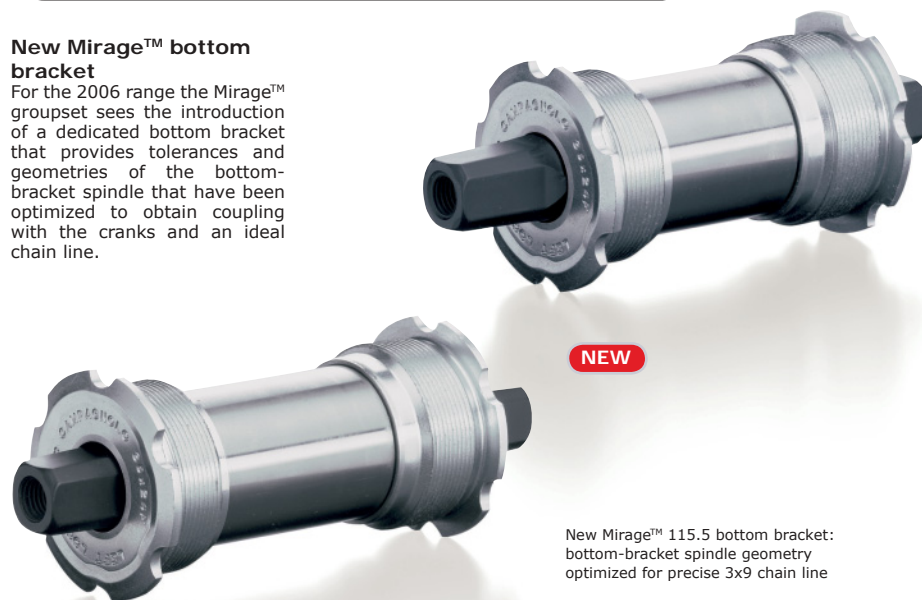
Record™ 9s chain

The Mirage™ groupset uses the really famous Record™ 9s chain. It has been studied down to the smallest detail to interface perfectly with the teeth of the sprockets and chainrings so as to provide prompt, precise and silent shifting.



New Mirage™ bottom bracket

For the 2006 range the Mirage™ groupset sees the introduction of a dedicated bottom bracket that provides tolerances and geometries of the bottom-bracket spindle that have been optimized to obtain coupling with the cranks and an ideal chain line.



New Mirage™ 115.5 bottom bracket: bottom-bracket spindle geometry optimized for precise 3x9 chain line





VELOCE™ GROUPSET

The first Campagnolo® 10-speed groupset is available in many different versions to suit your style of bicycle: double, triple, compact drivetrain, Flat Bar shifters and Linear Pull Cantilever brakes. Talk about being spoilt for choice.

Veloce™ 2x10 drivetrain

The Veloce™ 2x10 drivetrain gives a large number of cyclists the advantages of 10 speeds: the geometry of the rear derailleur, the front derailleur, the chain, the crankset and the ten close-ratio sprockets enhance drivetrain performance the possibilities and provide options for all situations.

New Veloce™ CT™ 2x10 drivetrain

Combining tens speeds with a compact crankset means having twice the advantages: twenty gear ratios to choose from, more smoothness, less effort uphill, double configuration.



Veloce™ 10s front derailleur: designed to shift the chain up or down instantaneously and with maximum precision



Veloce™ 3x10 drivetrain

The Veloce™ triple drivetrain provides 30 speeds from which to choose the ideal cadence for tackling the toughest climbs with the least possible effort. Available in the versions 30-40-50 and 30-42-53.

New Veloce™ CT™ front derailleur

The Veloce™ CT™ front derailleur is part of the Veloce™ CT™ integrated drivetrain, which comprises front derailleur and crankset. The front derailleur presents a cage that is more curved in order to match the curvature of the CT™ smaller chainrings.

The inner cage has a special larger profile and a reversed "S" shape to guide the descent of the chain from the large chainring to the small one and prevent it from falling onto the bottom bracket shell, with obvious and unfortunate consequences.



Veloce™ 10s rear derailleur

The first 10-speed rear derailleur of the Campagnolo® range has the same geometry as the more famous Record™ 10s rear derailleur. The rebalanced parallelogram, which has been specially designed for the 10-speed sprocket set, ensures fast, precise and silent chain shifting.

The Veloce™ rear derailleur is available in three versions: short, medium and long derailleur cage.



The new braze-on Veloce™ front derailleur for triple drivetrain standardizes the position of the braze-on plate on the frame thanks to the geometry of the new body



New Ergopower™ Flat Bar shifters for Caliper brakes

Owing to the new indexing mechanism, the new Veloce™ Ergopower™ Flat Bar shifters for Caliper brakes greatly enhance their performance. Shifting is extremely light and allows the rider to upshift and downshift several gears at a time.

The light weight and compact design are provided by the integration of the shifter and the brake lever into a single component. A special barrel in the butt area of the brake lever adjusts the distance from the handlebars to obtain the best possible ergonomics.



New Ergopower™ Flat Bar shifters for Linear Pull Cantilever brakes

Alongside the Linear Pull Cantilever brakes, Campagnolo® is introducing into its 2006 range the Ergopower™ Flat Bar shifters that are specific to this type of brake.

The indexing mechanism is the same as for the version for Caliper brakes, but the brake levers are different as they have been given a geometry that is dedicated to Linear Pull brakes.



New Veloce™ FB front derailleur for CT™

The introduction of the CT™ crankset into the Veloce™ groupset means that Flat Bar shifters can be used with a compact drivetrain. That is why a special front derailleur has been created. The curve of the cage has been accentuated to accommodate the shape of the compact chainrings. The inner cage features an oversize profile and an inverted "S" shape to guide the chain with greater accuracy from the large chainring onto the small one. The geometry of the outer link has on the other hand been specially designed to operate with the Flat Bar shifters.



New Veloce™ FB braze-on front derailleur for triple drivetrains: the new derailleur body standardizes the position of the braze-on plate on the frame

Veloce™ brakes

The Veloce™ brakes are of the Dual-Pivot type and feature orbital adjustment of the brake shoes. In this way the brake pads engage perfectly with the braking surface for a powerful and modular braking action. The compound used for the brake pads is the same as for the Record™ series.

Veloce™ brakes: shorter braking distances, progressive braking and little wear to brake pads on both dry and wet surfaces

New Veloce™ Linear Pull Cantilever brakes

Campagnolo® introduces its first Linear Pull Cantilever brakes with 85-mm long arms. The special brake pads dedicated to this braking system ensure powerful and precise braking on both dry and wet surfaces. The high-end compound maintains braking performance even when the brake pads are worn. Like the compound for Caliper brakes, this one ensures silent operation and does not acquire aluminium particles that shorten the rim's life. The brake pads have orbital adjustment to enable them to be positioned in the ideal manner in contact with the rim.

The brake pad uses a patented system to engage in the brake shoe. The special design of the two components enables the brake pad to be first inserted frontally and then to be housed by being pushed until it comes up against the stop, as is already the case with the brake pads for Caliper brakes.



Veloce™ Ergopower™ shifters

The special ergonomics of the Ergopower™ Veloce™ shifters are the fruit of decades of top-level racing and provide comfort and instinctive access to the shifters and brake levers from any position on the handlebars.



New Ultra Narrow™ Veloce™ chain

The Veloce™ groupset this year presents the new 10s Ultra Narrow™ Veloce™ chain that is just 5.9-mm wide. Owing to its dimensions, the new version is lighter and quieter and facilitates adjustment of the rear derailleur.

The tests run in our laboratories show that traction force, pin retention force, wear, resistance to stretch, torsion and flexion are the same as for the Record™ 10s chain.



Veloce™ sprocket set: The tooth profiles have been given Ultra-Drive™ geometry to facilitate chain movement up and down the sprockets and to make shifting precise, fast and silent

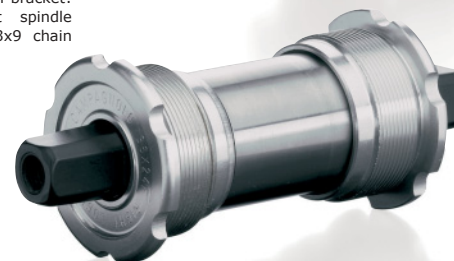
New Veloce™ bottom bracket

In 2006 the Veloce™ groupset features a new bottom bracket. The tolerances and geometry of the bottom-bracket spindle have been optimized to obtain coupling with the cranks and an ideal chain line.




NEW

New 115.5 Veloce™ bottom bracket: optimized bottom-bracket spindle geometry for a precise 3x9 chain line



Veloce™ hubs, equipped with top-quality bearings to ensure smoothness, reliability and long-term endurance





CENTAUR™



CENTAUR™ GROUPSET

The Centaur™ groupset opens the doors to the high-end Campagnolo® groupsets, with components designed for long-term top performance.

Centaur™ is available in the versions 2x10, 3x10, CT™ and Flat Bar and each version is available in the colors Silver and Century Grey.

Centaur™ 2x10 drivetrain

Its light weight, performance, reliability and endurance make it the ideal drivetrain right from the very first race.



Centaur™ CT™ drivetrain

The Centaur™ CT™ drivetrain is an integrated design that comprises the crankset and the front derailleur to obtain a perfect interface with the Campagnolo® Centaur™ 10-speed drivetrain. This avoids those compromises that diminish safety, performance and endurance.

For 2006, in addition to the version with a carbon fiber crankset, Centaur™ is available with an aluminium CT™ crankset in the two versions Silver and Century Grey.



Centaur™ CT™ front derailleur: the curve of the cage has been accentuated to accommodate the shape of the close-ratio chainrings and the inner cage has an oversize profile with an inverted "S" shape to guide the chain

Centaur™ 3x10 drivetrain

The Centaur™ triple drivetrain is the perfect choice for lovers of impossible climbs. 30 gear ratios available to provide the right cadence at all times.



NEW



Centaur™ front derailleurs for triple drivetrains: the new body of the front derailleur for triple drivetrains standardizes the position of the braze-on plate on the frame

New Ergopower™ Flat Bar shifters

The New Ergopower™ Flat Bar shifters have had their performance greatly enhanced due to a new indexing mechanism that makes shifting noticeably easier and allows the rider to upshift and downshift several gears at a time.

As for the 2005 version, the shifter and the brake lever are integrated into a single component to obtain a light-weight and compact design.

A special barrel in the brake lever adjusts the distance from the handlebars to obtain the best possible ergonomics.



NEW



NEW



Centaur™ FB front derailleurs, available for 2x10, CT™ and 3x10 drivetrains in the braze-on and clip-on versions



Centaur™ rear derailleur

The Centaur™ 10s rear derailleur has the technical features that were introduced by the Record™ 10s model. The rebalanced parallelogram, which was specially designed for ten speeds, accompanies the chain with precision and constant driving force from the first to the tenth sprocket. This solution ensures that the chain moves rapidly, precisely and silently up and down all the sprockets. The Centaur™ rear derailleur is available in the short, medium and long-cage versions.



Ergopower™ Centaur™ shifters: ergonomics designed in years of racing to provide a firm support point and to enable the brake levers and shifters to be reached rapidly and easily from any position



NEW



New Chorus™ Ultra Narrow™ chain

The Centaur™ groupset is presented this year with the new Chorus™ Ultra Narrow™ 10s chain that is just 5.9 mm wide. Owing to its dimensions, the new version is lighter and more silent and facilitates adjustment of the rear derailleur. The links have been lightened so that the chain weighs only 269 g in all. The tests run in our laboratories show that traction force, pin retention force, wear, resistance to stretch, torsion and flexion are the same as for the Record™ 10s chain.



Centaur™ sprocket set: 10-speed, Ultra-Drive geometry chrome-nickel PTFE surface treatment for durable high performance

Centaur™ bottom bracket

The Centaur™ bottom bracket has a 111-mm spindle length, is very light and extremely stiff so that energy is not dispersed whilst pedaling, especially when pedaling out of the saddle. The ideal complement to the Centaur™, CT™ and carbon cranksets.



New Centaur™ bottom bracket for triple drivetrains

For the 2006 range the Centaur™ groupset features a new bottom bracket for triple drivetrains whose bottom-bracket spindle tolerance and geometry optimize coupling with the cranks and provide an ideal chain line.



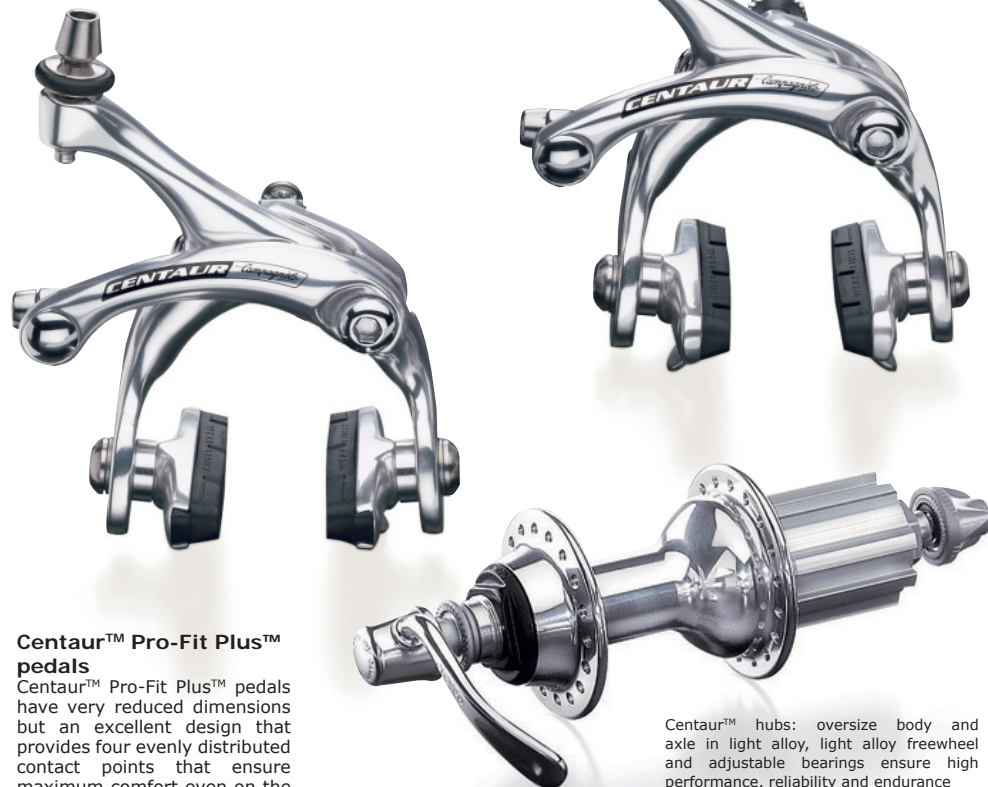
NEW

Centaur™ Hiddenset™ headset

The Hiddenset™ Centaur™ headset is of the integrated type. This solution makes it light, durable, simple to fit and gives the bicycle an extremely elegant appearance thanks to the aesthetical balance between the fork and the frame and between the frame and the handlebar stem.



Brakes: the special geometry of the Dual Pivot brakes and the brake pads with their Record™ compound provide powerful and progressive braking even when the brake pads are worn



Centaur™ Pro-Fit Plus™ pedals

Centaur™ Pro-Fit Plus™ pedals have very reduced dimensions but an excellent design that provides four evenly distributed contact points that ensure maximum comfort even on the longest rides.

The height of the pedal is greatly reduced, bringing the foot as close as possible to the pedal axle, thereby achieving a "circular" pedal stroke. Engagement and disengagement forces are completely independent. The force required to engage the shoe is low and constant, assuring easy pedal engagement. The force required to disengage the shoe is variable and may be altered via an adjusting screw. Fixed cleats or floating cleats are available.

Centaur™ hubs: oversize body and axle in light alloy, light alloy freewheel and adjustable bearings ensure high performance, reliability and endurance



Centaur™ bottle-holder

The Centaur™ bottle-holder uses Multidirectional™ Carbon-Fiber technology for the collar and carbon-resin for the support. The result is a really hardwearing product weighing just 35 g.



New Campagnolo® bottle

The Campagnolo® bottle is totally new in terms of design, ergonomics and materials. The elongated neck has a conical shape for a better grip. The conical shape is also found at the bottom of the bottle to enable it to slip into the bottle-holder more easily. It has a screw top with a strap to prevent the annoying leaks of liquid that with normal bottles inevitably soil the frame.

It has been made from raw materials that are certified as being suitable for contact with liquid foodstuffs that may also be slightly acid. It is available in two versions: 500 and 750 ml.



Centaur™ seatpost: in light alloy with special grooves designed to obtain perfect seat positioning at all times

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CHORUS™ GROUPSET

The Chorus™ groupset is in all senses a groupset for professional use. The wide use of composite materials, the technical solutions adopted and the use of the latest production techniques make it a cutting-edge product.

Chorus™ 2x10 drivetrain

The Chorus™ 2x10 drivetrain is available in two versions: with an aluminium and a carbon-fiber crankset. In both cases, you can take advantage of the specialized Campagnolo® sector chainrings, which are recognizable by the eight pins, which from this year are also found on the Mirage™, Veloce™, Centaur™, Chorus™ and Record™ cranksets. These are special finishes designed to make the chain lift up and descend always at the most effective point.

Tests run at our laboratories have shown that shifting is 19% faster than with the previous 6-pin version.

Chorus™ 2x10 front derailleur

The Chorus™ front derailleur is fitted with an aluminium cage with a special surface treatment that reduces attrition with the chain and abrasion. In addition to reducing the weight, this provides greater stiffness and faster and more precise shifting.



Chorus™ CT™ drivetrain

The Chorus™ CT™ drivetrain has a carbon-fiber crankset that incorporates in a single component the finest Multidirectional™ and Unidirectional™ technology. This technology, normally employed in the aerospace industry, enables the highest standards of quality to be maintained throughout production. Tests conducted in our laboratories have shown that cranksets made using this technology are 20% stiffer than comparable cranksets available on the market.



Chorus™ 3x10 drivetrain

The Chorus™ 3x10 drivetrain is a triple drivetrain that uses the materials and technical features of a product intended for competitions. It is the ideal choice for riders who want to tackle the steepest climbs or enjoy cycle touring in the best conditions taking advantage of the excellent materials and advanced technology that distinguish the Chorus™ groupset.



Chorus™ front derailleur: cage in special aluminium for CT™ drivetrain, greater stiffness for faster shifting



NEW

New braze-on Chorus™ front derailleur for triple drivetrains, a new front derailleur body to standardize the position of the braze-on plate on the frame



New Ergopower™ Flat Bar shifters

The new Ergopower™ Flat Bar shifters provide extraordinary performance that is obtained by a new indexing mechanism that greatly reduces driving force and allows the rider to upshift and downshift several gears at a time.

The control combines brake lever and gear shifter in the same component so as to obtain maximum lightness and a compact design that is particularly attractive.

A barrel in the brake lever enables the distance between the lever and the handlebar to be adjusted to obtain the ideal ergonomics for any user.



NEW



Chorus™ FB front derailleurs, available for 2x10, CT™ and 3x10 drivetrains in the braze-on and clip-on versions

NEW



NEW



New clamp for braze-on front derailleurs: available in two different diameters, 32 and 35 mm, and in the finishes black and silver

New Chorus™ Ultra Narrow™ chain

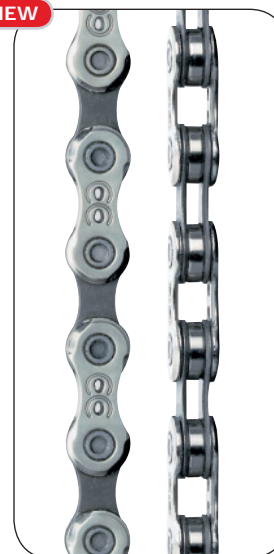
The new Chorus™ Ultra Narrow™ 10s chain is just 5.9-mm wide. These new dimensions make it lighter and more silent and facilitate adjustment of the rear derailleur. The links have been lightened so that the chain weighs only 269 g in all.

The tests run in our laboratories show that traction force, pin retention force, wear and resistance to stretch, torsion and flexion are the same as for the Record™ 10s chain.



Chorus™ rear derailleur: the geometry and materials have been selected to interface perfectly with all the other elements of the 10s drivetrain

NEW



Chorus™ sprocket set: the Ultra-Drive geometry with which the teeth of the sprockets are made and the chrome-nickel finish ensure shifting that is rapid, precise and constant over time

Chorus™ Ergopower™ shifters

It is no coincidence that the Chorus™ Ergopower™ shifters use composite materials both for the body and for the gear shifters and brake levers. Composite materials have a better weight/resistance ratio than aluminium and titanium. In other words, a product in composite material of the same resistance weighs less. Making these components from composite materials means giving them great resistance with a low weight, resistance to corrosion and endurance.

Chorus™ Pro-Fit Plus™ pedals

Chorus™ Pro-Fit Plus™ is a pedal with compact dimensions but it has been designed with punctilious attention to ergonomics. The result is a pedal with a wide support base that is ideal for ensuring optimal comfort even during the longest rides.

The height of the pedal is greatly reduced, bringing the foot as close as possible to the pedal axle, thereby achieving a more "circular" pedal stroke. Engagement and disengagement forces are completely independent. The force required to engage the shoe is constant, the force required to disengage the shoe is variable and may be set via an adjusting screw.

The Chorus™ Pro-Fit Plus™ pedal turns on three sealed bearings - two on the inside and one on the outside.



Chorus™ bottom bracket: lightness, stiffness and smoothness combine to make a durable high-performance product

Chorus™ brakes

The differential Record brakes stem from research on racing-bike braking dynamics conducted by our engineers. Results have shown that, during a braking action, 70% of the stress goes to the front brake while a mere 30% goes to the rear brake.

Starting from here, it was decided that while it was pointless to change the characteristics of the front brake, the design characteristics of the rear brake simply had to be improved. Which is why a less powerful, though more modulating rear brake was created. The braking dynamics are now visibly improved. In fact, this differentiation between the two brakes allows the bicycle to be stopped within the same distance with no risk of the rear wheel blocking. An enormous advantage both in terms of performance and safety.



Chorus™ headsets: three different choices for a unique result that cannot be equaled: high performance, reliability and endurance



Chorus™ seatpost

The Chorus™ seatpost is made of 90°-braided carbon fiber. The head is in light alloy and has a special groove that enables the seat to be angled perfectly.



Chorus™ seatpost is available in the following versions: length 250 mm, diameter 27.2 mm or length 350 mm, diameter 31.6 or 32.4 mm.



The Campagnolo saddle clamp for the Carbon seatpost assures homogeneous tightening along the entire pipe circumference

Chorus™ bottle-holder

The Chorus™ bottle-holder weighs under 30 g and is distinguished by a truly unique system of bottle retention. The system is patented: a deliberate difference of a few degrees between the support axis and the collar means that when the bottle is inserted the carbon collar acts as a thrust spring that holds the bottle in the ideal position.



New Campagnolo bottle

Campagnolo presents a new bottle that has been revolutionized in terms of design, ergonomics and materials. The elongated neck has a conical shape for a better grip. The conical shape is also found at the bottom of the bottle to enable it to slip into the bottle-holder more easily. It features a screw top with a strap to prevent the annoying leaks of liquid that with normal bottles inevitably soil the frame.

It has been made from raw materials that are certified as being suitable for contact with liquid foodstuffs that may also be slightly acid.

It is available in two versions: 500 and 750 ml.



NEW



Chorus™ hubs, oversize light-alloy body and spindle and adjustable bearings for greater smoothness that one really notices

[illegible]

RECORD™ GROUPSET

The Record™ groupset is the obvious choice for professional racers. The best materials available and the most advanced technologies and technical solutions are employed in this hi-tech wonder which, besides its infinite contents, also sports a look beyond compare.

2x10 drivetrain

The Record™ 2x10 drivetrain is the drivetrain that you will find on the bicycles of professionals the whole world over. Campagnolo® provides you with the same materials, technical solutions and technology that we reserve for the world's best cyclists because we want you all to be able to reap the benefit of matchless, lasting performance.

Front derailleur

The external cage plate in carbon fiber and the inner cage plate in aluminium make the front derailleur much stiffer to ensure instantaneous and precise shifting even when the chain is being pulled. The aluminium cage plate moves the chain up onto a larger chainwheel and has a special coating to make it even harder wearing and to reduce friction with the chain.



CT™ drivetrain

The Record™ CT™ drivetrain features a carbon-fiber crankset that incorporates in a single component the advantages of the Multidirectional™ and Unidirectional™ technology. This technology, normally employed in the aerospace industry, enables the highest standards of quality to be maintained throughout production. Tests conducted in our laboratories have shown that cranksets made using this technology are 20% stiffer than comparable cranksets available on the market.

CT™ front derailleur

The curve of the cage has been increased and the cage has a higher profile to optimize the shifting performance of the CT™ crankset.



New Campagnolo, clip-on for front derailleurs

This is a new clip-on that enables a braze-on front derailleur to be fitted to a frame that has not been set up for one. Its asymmetrical design, with the fastening bolt almost tangential to the seatpost, assures homogeneous pressure of the saddle clamp along the entire pipe circumference without harming it by crushing it.

It is available in two different diameters, 32 and 35 mm, and in the finishes black and silver.



NEW

3x10 drivetrain

Thanks to the 30 gear ratios available, the Record™ 3x10 drivetrain is the perfect solution both for those engaged in difficult climbs as well as for cycle tourists who like to travel comfortably, thanks to the excellent materials and advanced technologies that are specific to the Record™ groupset.



New front derailleur for triple drivetrain: the Record™ front derailleur for triple drivetrains features a body with new geometries so that the position of the braze-on plate on the frame is now standardized

New Record™

Ultra Narrow™ chain

The Record™ groupset this year presents the new Record™ 10s Ultra Narrow™ chain that is just 5.9-mm wide. Owing to its dimensions, the new version is lighter and quieter and facilitates adjustment of the rear derailleur. Chain links and pins are hollow so that the chain weighs only 255 g in all. The tests run in our laboratories have shown that traction force, pin retention force, wear, resistance to stretch, torsion and flexion are the same as for the Record™ 10s chain.

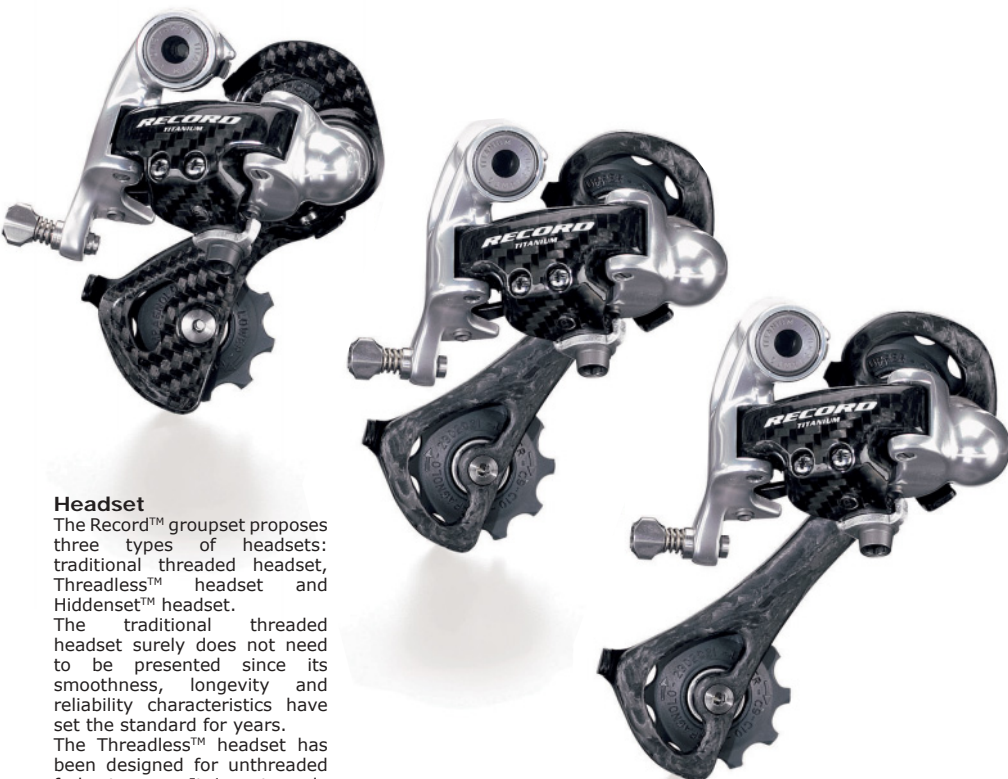


The teeth of the Record™ sprocket set have an Ultra-Drive™ design that integrates the chain and chainwheels of the crankset to ensure fast, precise and consistent shifting through the years

Ergopower™ shifters

Record™ Ergopower™ shifters are the world's lightest integrated shifters. Composite materials are used throughout that are as tough as aluminium alloy but weigh less. Ergopower™ Record™ shifters, just like Chorus™, Centaur™, Veloce™ and Mirage™ shifters, enable both multiple upshifting and downshifting. All aspects of the ergonomics have been studied to ensure that the shifters are easy to use in any situation and provide maximum comfort at all times.





Headset

The Record™ groupset proposes three types of headsets: traditional threaded headset, Threadless™ headset and Hiddenset™ headset.

The traditional threaded headset surely does not need to be presented since its smoothness, longevity and reliability characteristics have set the standard for years.

The Threadless™ headset has been designed for unthreaded fork steerers. It is extremely light and allows quicker and more precise adjustment than its threaded counterpart, besides being lighter and longer lasting.

The Hiddenset™ headset is integrated into the head tube of the frame, conferring an extremely elegant look to the bicycle.

Light, smooth, long lasting and easy to install, the Record™ headset is available in the standard version or with a TTC™ cap.



Record™ rear derailleur: design, materials, spring balance - everything has been engineered to make the Record™ rear derailleur a precise racing instrument that comes up trumps when the going gets tough

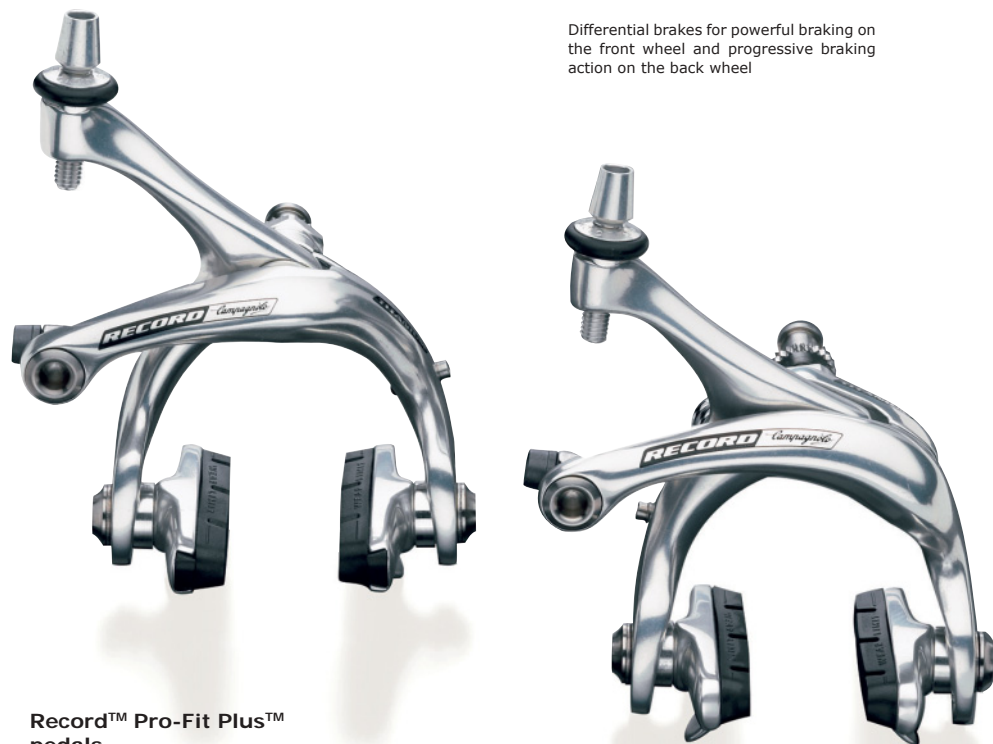
Record™ hubs: oversize light alloy body and axle and quick lubrication port



Bottom bracket: composite/light alloy cartridge, hollow axle and light alloy cups



Differential brakes for powerful braking on the front wheel and progressive braking action on the back wheel



Record™ Pro-Fit Plus™ pedals

Record™ Pro-Fit Plus™ pedals successfully combine lightness, performance and comfort.

Despite the relatively compact dimensions and reduced weight, the ergonomics are perfect so that even the longest rides are incredibly comfortable.

The "circular" pedal stroke has been obtained thanks to a design that brings the foot as close as possible to the pedal axle.

Pedal engagement and disengagement forces are independent. Disengagement force can thus be adapted to one's style of pedaling.

The axle of the Record™ Pro-Fit Plus™ pedal turns on three bearings: two on the inside and one on the outside.



Record™ bottle-holder
18 g - this is what the Record™ bottle-holder weighs. A monocoque in carbon fiber that clearly demonstrates the level of excellence achieved by Campagnolo® in the field of composites. The retention system is patented: a deliberate difference of a few degrees between the support axis and the collar means that when the bottle is inserted the carbon collar acts as a thrust spring that holds the bottle in the ideal position.



NEW



Record™ seat post and upper seat clamp are made of composite material for maximum lightness

RECORD™ PISTA™

The Record™ Pista™ groupset is a collection of hi-tech components designed purposely to excel in velodromes. The groupset consists of a crankset, hubs and bottom bracket. The other components, namely the seatpost, pedals and headset are borrowed directly from the Record™ roadbike groupset.

**TIME TRIAL™ COMPONENTS**

A race against time. Every detail is crucial. Nothing is left to chance. Lightness and aerodynamics are the watchwords of this sport. Campagnolo® also dedicates a number of special components to time-trial events: bar-end controls, chainrings with a larger number of teeth and ultra-light brake levers in composite material.

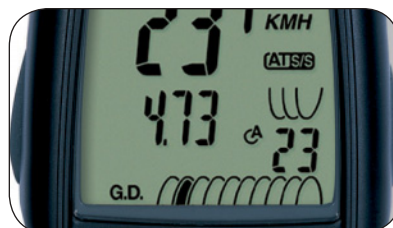




ERGOBRAIN™

ErgoBrain10™ is not a cyclecomputer, but a true and proper on-board computer. A simple click on the Ergopower™ integrated controls gives full access to its multiple functions without removing the hands from the bar.

ErgoBrain10™ is compatible with Campagnolo's 2x10 and 3x10 drivetrains when using the standard bracket and with 2x9 and 3x9 drivetrains if the optional bracket is used.



- Stopwatch function
- Gear development



Standard functions:

- Auto timer
- Current speed
- Average speed
- Maximum speed
- Trip distance
- ODO
- Clock
- Cadence

Special functions:

- Sprocket self-learning
- Display of chainring/sprocket size (no. of teeth) in use and chain position
- Stopwatch function
- Gear development (rollout)
- Backlit screen



- display of chainring tooth number/sprocket in use and chain position display



- Sprocket self-learning



- Backlit screen
- Acoustic functions

Acoustic functions:

- Speed threshold indicator
- Cadence threshold indicator
- Exertion period/recovery period
- Exertion period/recovery period + cadence threshold indicator