

Campagnolo





ATHENA. Within the competition oriented groups, Athena is a viable alternative to Campagnolo's top of the line products. The technical characteristics of each component are the results of extensive laboratory as well as field testing.

The versatility of the rear derailleur integrates two patented systems: the "Lateral Operating System" which improves the transversal movement making chain engagement more positive, and the "Multi Position System" which thanks to five different positions, allows the inclination of the rear derailleur to be varied depending upon the freewheel size.

Due to the computer designed rubbing area, any vibration or play has been eliminated without compromising safety. The brake lever, too smooth and precise due to the specially calibrated spring. They also feature a quick release mechanism which may be operated without any loss of braking power.

The Athena group may be furnished with a triple crankset which should be used in conjunction with the Contour front derailleur and Contour long cage rear derailleur. This combination will transform the Athena group into an ideal touring group.

Athena is also available in the new graphite finish.



ATHENA	STANDARD	GRAPHITE
FRONT CRANKSET		
FLYING PEGS	CLIP-IN ADJUSTABLE	SLIDE-IN
SHIFT LEVER		
CONTROL SPEED	CLIP-IN	SLIDE-IN
REAR		
	STAY WHEEL	BRACE
	28/2 28/1 28/0	28 28 28
STANDARD	CLIP-IN	CLIP-IN
CLIP-IN	CLIP-IN	CLIP-IN
CRANKWHEEL		
CRANK LENGTH	175	175
DOUBLE CRANKWHEEL	28/2 28/1 28/0	28/2 28/1 28/0
TRIPLE CRANKWHEEL	28/2 28/1 28/0	28/2 28/1 28/0
4-TECH CRANKWHEEL	28/2 28/1 28/0	28/2 28/1 28/0
REAR DERAILLEUR		
CLIP-IN	CLIP-IN	CLIP-IN
SHIFTER		
CLIP-IN	CLIP-IN	CLIP-IN
SHIFTER		
CLIP-IN	CLIP-IN	CLIP-IN

■ - STANDARD □ - OPTIONAL



CHORDS: Due to the versatility it offers, Chorus has become Yamaha's most popular group. Chorus is well suited for all types of today's bicycles, whether they be for competition, touring, or recreation. The new planned gear, preset for 8 speed, has the same technical features as the one of the Record version, which is used for professional riders only.

The best approximation for rapid and positive shifting is guaranteed by the use of Campagnolo's eight speed cassette hub and freewheel with the Spline shifting lever.

The Chorus breakers have also been equipped with brakepads and holders which have been borrowed from the Record group. The brake levers offer a quick release which can be operated without removing your hands from the handlebars.

The patented *SelfForm* system is included with the Chroma headset. This exclusive and innovative system will absorb road shock and prolong the useful life of the headset. Chroma is also available in the elegant and distinctive *Signature* finish.

[illegible]

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RECORD, imitated by many, but never successfully copied, Record remains the premier group in Campagnolo's line. It is the group of choice for professional racers, frame building specialists, and knowledgeable others alike.

The continuous refinements and improvements to this group, which are the result of racing experiences from the world's most famous champions, make the Record group unique in today's marketplace. One of Campagnolo's most innovative and eagerly awaited systems is now available in the Record group.

A revolutionary new design, incorporating three different tooth profiles onto each cog, will guarantee precise chain engagement and smooth, reliable shifts. Thanks to the elongation of the internal area, the built-in breaker progressive action has now been made smoother and more powerful, increasing performance in any situation.

For the Campaigns Alliance who deliver something a little more exotic, the Record group is also available in the new and totally unique Century Bold. A special acidification treatment gives the component a distinct finish which results in a dramatic impact on any layout.



FUNCTION		STANDARD				CUSTOM			
PUNCH COLUMN FIELD COLUMN <input type="checkbox"/> COLUMN LABELABLE <input type="checkbox"/> LABEL-ON <input checked="" type="checkbox"/>									
INPUT LABEL COLUMN <input type="checkbox"/> LABEL-ON <input checked="" type="checkbox"/>									
UNIT		SCALE FACTOR		SCALE		OFFSET		PLANE	
STANDARD <input type="checkbox"/>	UNIT	MIN	MAX	MIN	MAX	7	8	MINIAL LABEL	
CAN. SEC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CAPABILITIES CHANNEL LENGTH 160 1024 104 1024 128 1024 104 1024 POWER CHANNELS 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 OUTER CHANNELS 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16									
SYSTEM RELEASE RELEASE 160 1024 104 1024									
SELECT FOR LENGTH 160 1024 104 1024 128 1024 104 1024									

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The Pink **ROUND** group is based on the same mechanical and aesthetic principles as the **STRADA** version.

The RECORD components were all designed for record brevity. All greatest coordinators have used Campaigns technology for track events. A technology of great traditions projected toward the future and humanistic research.

The Kaitin trademark is also available in a Kaitin version. The Kaitin logo is used to mark and develop in Japan is now becoming popular all over the world. In order for components and bicycles to be used in the Kaitin Velocidade in Japan they must bear the NBR mark. Our Kaitin components have been officially approved to be used in the Japanese Kaitin Velocidade circuit, and bear the official NBR mark. This mark certifies that the standards of quality demanded in the components used for Kaitin are met. The speed and power developed in these riders require components that are superior in quality, even equal to those used for triathlons, mountain, track, and road bicycles. We offer you the best, with a competitive but unbeatable price, with official outdoor components.

In addition to meeting the standards required by NFPA, the Campagnolo Krypton components are particularly appreciated for the lightness and reliability of their alloys. Campagnolo's rigid quality control guarantees the constant respect of the safety standards required by the British Board

[illegible]

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

[illegible]

Figure 1



THEMIS is a new tooling group which Campagnolo is proud to add to the existing competition line of Olympic, Contact and Record.

Technologically, the Themis group will provide similar performance as our competition groups, but at a quality-to-price ratio more accessible to all. The versatility of these components will allow for the assembly on various types of bicycles such as the city bike, touring bike or hybrid bike. Depending upon the intended use of the bicycle, Themis can be specified with a variety of component combinations such as two rear derailleur slaves, bullseye shifter or bar end controls, cassette hubs or chains and freewheel. The rear derailleur is available in either medium or long cage versions. The front derailleur is available in three chain sizes. The indexed seven speed shifting system will come with either the Themis bullseye with foam grips or bar end control levers. The cantilever brakes will come with specially designed hybrid brake levers which will ensure proper braking performance.

Hubs are either the traditional threaded type for use with the Campagnolo approved Regula chain and freewheel or the new axles spaced cassette hub made in Campagnolo. The headset will be offered in 1", 1 1/8", 1 1/2" versions and the seatpost will be either a 180 mm fixed type or 280 mm cylindrical type. Because of the flexible nature of the Themis group, it is a group which is ideally suited for many of today's buyers.

It will satisfy any amateur or professional needs and offer the safety and reliability typical of all Campagnolo products.

THEMIS									
HEAD	1 1/2		1 1/2						
FRONT DERAILLEUR	FIXED-CLIP-ON								
FRONT-CLIP-ON	+		CLIP-ON ADJUSTABLE		CLIP-ON FOR THEMIS SLAVE				
SHIFT LEVER	BULLSEYE		BULLSEYE		BAR-END		SPRING		
1 SPEED	CLIP-ON		CLIP-ON		CLIP-ON		CLIP-ON		
2 SPEED	CLIP-ON		CLIP-ON		CLIP-ON		CLIP-ON		
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CEINTAIRE. This is the mountain-like group chosen by the finest racing teams in the world. Ceintare[®] has proven itself to be a professional level group with many technical features that ensure safety and reliability in every circumstance.

The advantages of Contour include: competition rear donkeybars with right speed compatibility; available in small, medium and long cage versions and front donkeybars with an improved cage design; available with standard, adjustable or over-sized clamps. Maximum shifting performance can be guaranteed when these new donkeybars are incorporated with the combination of the Campagnolo cassette hub and Ballist shifting system.

The cassette tool with four teeth is available with 100 and 150 mm spacing in either 32 or 36 hole drilling. The four-tooth design offers a unique patented design featuring three different tooth profiles on each individual cassette. These cassettes range from regular to ultra-thin teeth.

The Ballot shifting system provides fast and intuitive shifting in any circumstances.

This reliable grip will accomplish immediate and precise shifts with maximum control. It comes with a non-slip, non-skid base also built with

to the Contact group. These pedals can be used with either traditional style toe clips or the Campagnolo track clip. These pedals feature replaceable cones as well.

Reagents are available in steel, standard aluminum and 1/4" or 1/2" over
aluminum.

[illegible]

1. *Journal of the American Medical Association*, 2000; 284: 2669-2674.

TANDEM ROAD GROUP



TANDEM ROAD GROUP: This group is derived from our *Cruce d'Asie* group. It possesses all of the technical characteristics requested from the most demanding professional users. This group is a series of components, with very versatile combinations, which maintain Campagnolo's history of quality and reliability. The special 40 hole hub is one of the most important innovations of the group. The double threading on this hub makes it possible to assemble a third brake (either drum or disk type) onto the bicycle.

This hub also allows an overlock axle mounted on two radial bearings. This group may be supplied with either the petra-drive lexicon of the *Cruce d'Asie* group or the Gantlever lexicon. When the Gantlever lexicon is used, a specially designed brake handle is supplied which will provide the most efficient braking possible. A very practical solution to shifting is the use of the bar end controls. These controls may be used in friction as well as index mode.

The *Cruce d'Asie* tandem group is a collection of highly innovative components, designed for the particular needs of tandem use and given the maximum attention to detail and performance that has become the Campagnolo trademark.

TANDEM CRUCE D'ASIE

GEAR	12	18	24
FRONT CHANGER			
CLIP-IN PEDAL	CLIP-IN AVAILABLE	CLIP-IN/SPIDER HUB 40-HOLE	
SHIFT LAMP	BAR-END	SPIDER	
SEAT			
SEAT DOUBLE PIVOTING	WIDE 140	T-SPOKE	WIDE 140
FEED WHEEL	BRASS	STEEL	
COMPONENTS			
CRANKSET LEXICON	12	18	24
CRANKSET LEXICON	12	18	24
POWER TRAINING	12	18	24
CENTRAL TRAINING	12	18	24
OFFSET TRAINING	12	18	24
SEAT POST			
LEXICON	12	18	24
LEXICON	12	18	24
STEEL			
BRASS	CLIP-IN/SPIDER	SPIDER	CLIP-IN
BRASS LAMP	POWER TRAINING	SPIDER	CLIP-IN
BRASS POST	CLIP-IN	CLIP-IN/SPIDER	CLIP-IN
BRASS POST	CLIP-IN	CLIP-IN/SPIDER	CLIP-IN

Group

This is an exemplifying composition: the group is therefore supplied according to the specific requirements of each customer.

LUBRICANT



LUBRICANT. Proper maintenance of components is essential to insure performance and durability. For this reason Campagnolo is offering a new line of oil and grease with special characteristics of protection and lubrication:

- OIL - AMMER PLUS 1 - offers a very high degree of protection against oxidation and corrosion. Ideal for regular maintenance especially for freewheels, cables and chains.
- GREASE - KRISTALL 80T - is sug-

gested for assembly and routine maintenance for most derailleurs, bottom brackets, pedals, hubs and headsets. Also available in «SB-TTT», a special synthetic lubricating oil which is extremely protective and adhesive and is recommended for chains and cables.

TOOLS



TOOLS. Currently Campagnolo offers a full range of precision tools for the assembly of professional bicycles. These tools are also essential for the proper maintenance of Campagnolo products. In addition to the taps and dies currently offered in the standard tool case we will offer upon request new cutting tools featuring the «Startech Sintetizante» process. These tools are highly reliable and durable, maintaining their cutting properties over a long period of time and can operate on materials like chrome or micro-fusion bottom brackets without wearing out rapidly.



BIODYNAMIC BOTTLE



The bottle must have an aerodynamic shape to avoid creating vortices which increase wind resistance. The optimum solution is to avoid wasting space with aerodynamic adaptors by making the bottle itself fit around the down tube.

The shape of the bottle must make it easy to grip and comfortable to use. The rider should be able to remove it from the cage and replace it without looking down.

The Campagnolo biodynamic bottle is shaped to fit the hand, in order to ensure that it is easy to grip.

The valve of the bottle can be opened automatically with just one hand and the mouth, without needing to use the fingers or the other hand.

BIO THERMAL BOTTLE



Among the problems facing the cyclist are those of putting up with the effects of thirst and cold.

When the temperature reaches 25-30°C, drinking water of the same temperature provides no real refreshment. Stopping to find cool drinks or cooling the torso can mean losing precious moments in a race. On the other hand, when climbing steep-covered mountains or racing in cold Northern weather, a hot drink provides energy and refreshment.

The Campagnolo biothermal bottle is made up of a bottle made of multilayer plastic, with insulating material in a flattened, elongated shape (width: 71 mm) in order to provide the maximum aerodynamic resistance with the minimum of weight (119 g).

The internal plastic bottle is able to contain solids or liquid foods.

The external covering is made of impact resistant resin.

The Campagnolo biothermal bottle features a patented liquid delivery system, easily operated by a cyclist during a race in the open and closed positions.

The airtight valve can be operated by the teeth while holding the bottle with one hand.

BIODYNAMIC 900 BOTTLE



The mountain bike is a different kind of machine, one that is made for solitary rides in the harsh environment that nature calls her own. The biodynamic 900 bottle is made especially for mountain bikers and is designed for either recreational or competition usage. The capacity is very high (approx. 900 cc) but the overall size of the bottle has been successfully reduced thanks to a new compact geometry. Because it has a higher capacity than the traditional round bottle, it is no longer necessary to carry more than one bottle thereby reducing weight and giving the bike a cleaner look.

The bottle comes with a very practical cap that can be opened with the teeth in order to satisfy the needs of both the competitive and recreational rider as well. The cap, just like the standard biodynamic bottle, has 2 positions: the first for spraying to refresh and the second which permits a larger volume for drinking.

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