RECORD™

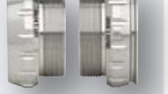
ULTRA-HOLLOW™ STRUCTURE

ULTRA-TORQUE™ SYSTEM

This is the first choice of those looking for the maximum performance and reliability of their equipment, whether professional or amateur. It constitutes the world benchmark in terms of lightness, as it is decisively lighter overall than any other groupset on the market.

standard

compact



L. 13,5
18,5
24,0

front

rear

short

medium

new

Ø 32
Ø 35

new

Ø 27,2 / 250

Ø 31,6 / 350
Ø 32,4 / 350

titanium

COMPONENT	FEATURES	BENEFITS
RECORD™ 10s rear derailleur 	forged aluminium bodies	weight savings and long fatigue life
	titanium tightening bolt and cage bolt	weight savings, corrosion-proof
	carbon outer plate	light, long fatigue life, corrosion-proof
	skeletonized upper body	greater rigidity with same weight
	metal-carbon cage	light, long fatigue life, corrosion-proof
	rollers on bushings	long life, low friction
	rollers in special rubber	damping of vibrations
RECORD™ front derailleur 	Z-shape™ inner plate	greater rigidity, greater thrust on the fork
	M-brace™ body	more rigid system, better shifting
	standardised Standard/Compact fork	versatility
	Even-O™ clamp	more even pressure on the frame
	aluminium-composite fork	weight savings
	antifriction treatment	long life
RECORD™ QS™ Ergopower™ controls 	carbon brake lever	weight savings, reliability, rigidity, mechanical strength, corrosion-proof, long fatigue life
	body in technopolymer with long carbon fibre	mechanical strength and corrosion-proof, maximum weight savings, rigidity, minimum ageing
	lightened internal mechanism on bearings	operating weight savings, minimum friction, minimum wear, low weight
	silicone hood	anallergic, elastic, memory of form, stability with UV and high temperatures
	brake opening control in the brake lever	greater ergonomics, fast operation
RECORD™ front hub 	oversize body	greater rigidity, weight savings
	adjustable bearings	more ball bearings for same size, longer life, adjustable/eliminable play, each component individually replaceable, low friction, lighter, ceramic-ready
	oversize light-alloy axle	weight savings and rigidity
	release with light-alloy housings and lever	weight savings
	Symmetric Action™ lever on the release	even and effective operation
RECORD™ rear hub 	oversize body	greater rigidity, weight savings
	adjustable bearings	more ball bearings for same size, longer life, adjustable/eliminable play, each component individually replaceable, low friction, lighter, ceramic-ready
	oversize light-alloy axle	weight savings and rigidity
	release with light-alloy housings and lever	weight savings
	Symmetric Action™ lever on the release	even and effective operation
	monolithic freewheel body	weight savings

COMPONENT	FEATURES	BENEFITS
RECORD™ UD™ 10s sprockets 	steel-titanium version	excellent compromise between weight savings and cost
	titanium version	maximum weight savings
	aluminium carrier for the largest sprockets	precision and rigidity, weight savings
	sprocket synchronization	fast precise shifting, less stress for the chain
	Ultra-Drive™ machining of the teeth	chain passage optimization
	nickel-chrome surface treatments on steel	longer life, lower wear
RECORD™ Ultra-Narrow™ chain 	width 5.9mm	quiet operation, less interference with adjacent sprockets and chainrings, high-performance shifting
	HD-Link™	extremely high retention force
	lightened links	weight savings
	antifriction treatment	smoothness, long life
	hollow pins	weight savings
RECORD™ Ultra-Torque™ Carbon crankset 	full-carbon unidirectional-multidirectional cranks	rigidity, weight savings and long fatigue life
	hollow cranks (Ultra-Hollow™ Structure)	lower weight with same rigidity and life
	light-alloy high-guage chainrings with antifriction treatment	weight savings, rigidity, resistance to wear
	light-alloy nuts and bolts	greater weight savings
	8 pins on the large chainring	faster shifting
	Ultra-Torque™ bottom bracket	(see specific window)
Ultra-Torque™ System 	Hirth-type joint	self-centering, self-aligning, extreme strength
	15mm locking bolt with preloading Belleville spring	great strength, great security, preload the joint with 1300lb/600kg, self-locking
	variable section semi-axles	great weight savings, strength where necessary
	great interface diameter with the crank	makes it possible to make a thinner crank, with less lateral bulk/better Q-factor
	bearings on semi-axles	simple fast maintenance, fast and simple changing
	triple gaskets	good insulation with reduced friction
	preloading spring on the bearings	elimination of lateral bearing movement
	crescent spring for RH bearing	prevention of crankset movements compared with frame
	cups with surface treatment	reduced wear and noise
RECORD™ Pro·Fit Plus™ pedals 	compact	weight savings, excellent clearance in bends
	broad support base	comfortable
	sealed cartridge axle	zero maintenance
	release adjustment display	simple adjustment
	titanium axle	weight savings

COMPONENT	FEATURES	BENEFITS
RECORD™ Skeleton™ brakes 	forged arms	stronger, maximum life cycle
	skeletonized arms	greater weight savings with same life
	differentiated front-rear	powerful front, light and modulable rear
	orbital pad adjustment	optimum interface with the rim, maximum braking performance
	titanium and light-alloy screws and nuts	weight savings
	ball bearings	long life, low friction
	special pad compound	excellent balance between performance on dry and wet surface, modulable braking and long pad life
RECORD™ Carbon seat post 	differentiated composite tube	weight savings and strength
	forged aluminium head	weight savings and security
	forged aluminium bottom bracket	strength and long fatigue life
	composite top bracket	weight savings and long fatigue life
	special steel screw with rolled thread	strength and long fatigue life
RECORD™ traditional headset 	light alloy with steel inserts	light and strong
	cup and cone system	easy cleaning and maintenance
RECORD™ Threadless™ headset 	carbon tension plate	weight savings, corrosion-proof
	light alloy tension bolt	weight savings, corrosion-proof
	cup and cone system	easy cleaning and maintenance
	Campagnolo® patented centering system	weight savings, does not damage the fork
	lubrication hole	fast lubrication
	light alloy with steel inserts	weight savings and strength
RECORD™ Hiddenset™ headset 	carbon tension plate	weight savings, corrosion-proof
	carbon top cup	weight savings, corrosion-proof
	light alloy tension bolt	weight savings, corrosion-proof
	cup and cone system	easy cleaning and maintenance
	Campagnolo® patented centering system	weight savings, does not damage the fork
RECORD™ bottle cage 	carbon monocoque structure	weight savings
RECORD™ sub-shell plate	technopolymer with PTFE	self-lubricating, minimum friction

RECORD™ 2008

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
RECORD™ 10s rear derailleur	short cage	upper to lower pulley-axle: 55 mm composite outer plate - composite outer cage - Titanium hanger and pivot bolt	184
	medium cage	upper to lower pulley-axle: 72,5 mm composite outer plate - composite outer cage - Titanium hanger and pivot bolt	193
RECORD™ QS™ STD + CT™ 9s/10s front derailleur	braze-on / clip-on: Ø 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 55 – min. chainring 34 - composite and aluminum fork - M-brace™ body - Even-O™ clamp - Z-shape™ lower cage	75
RECORD™ QS™ 10s Ergopower™ shifters		for caliper brakes - double/triple crankset compatible – composite body and levers – ball bearings light alloy hardware - ErgoBrain10™ computer ready	324
RECORD™ front hub	32, 36 holes	light alloy axle and body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 100 mm	116
RECORD™ rear hub	32, 36 holes	9s/10s - light alloy body, axle and one-piece freewheel body – adjustable bearings – quick-release with aluminium lock nuts - lockring thread 27x1 - O.L.D. 130 mm	231
RECORD™ UD™ 10s sprockets - steel+titanium	11-21, 11-23, 11-25, 12-23, 12-25, 13-26, 13-29	Ultra·Drive™ - nickel-chromed finish for steel sprockets - light alloy carrier - supplied without lockring (except for 11-21, 11-23 and 11-25)	188
RECORD™ UD™ 10s sprockets - titanium	11-23, 12-25, 13-26	Ultra·Drive™ - light alloy carrier - supplied without lockring (except for 11-23)	156
RECORD™ Ultra Narrow™ chain		10s - width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra·Drive™ - HD-Link™ for Ultra Narrow™ chain - lightened links - hollow pins	2,24/ link **
RECORD™ Ultra-Torque™ Carbon 10s crankset	170, 172.5, 175, 177.5,180 mm 39-52, 39-53	Ultra-Hollow™ composite crankarms - light alloy fixing bolts and nuts - Ultra·Drive™ EPS™ chainrings with antifriction treatment - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	643
RECORD™ Ultra-Torque™ CT™ Carbon 10s crankset	170, 172.5, 175 mm 34-48, 34-50, 36-50	Ultra-Hollow™ composite crankarms - light alloy fixing bolts and nuts - Ultra·Drive™ EPS™ chainrings with antifriction treatment - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	643
RECORD™ Ultra-Torque™ BB overboard cups	ITA, ENG	aluminium	49
RECORD™ Pro·Fit Plus™ pedals		Titanium axle -light alloy body - with floating (standard) or fixed (optional) cleats - composite axle fixing nuts - polished aluminium finish - left axle compatible with the ErgoBrain™ magnet	266
RECORD™ D Skeleton™ brakes	front fixing bolt: 13,5 - 18,5 - 24 mm	brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - ball bearings - light alloy and titanium hardware - brake pads orbital adjustment - lightened rear brake	279

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
RECORD™ Carbon seat post	27,2 / 250 31,6 / 350 32,4 / 350	composite tube - clamp for seat tube - knurling pitch: 0.5 mm - composite upper clamp	185
RECORD™ headset		BC 1”x24tpi - height 36.5 mm	104
RECORD™ Threadless™ headset	1”, 1-1/8”	for unthreaded fork tube - height 24.5 mm - composite cover and light alloy fixing screw - lubrication port	110
RECORD™ Hiddenset™ headset	1-1/8”, 1-1/8” TTC™	internal headset for unthreaded fork tube - version 1-1/8”: height 5.9 mm, version 1-1/8” TTC™: height 15.9 mm - patent pending system - composite and light alloy fixing screw and cap	73
RECORD™ water-bottle carrier		monocoque carbon, supplied with water-bottle	18
RECORD ™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells	5

* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release. The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.

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

CHORUS™

ULTRA-TORQUE™ SYSTEM

This is the choice of high-level athletes. It shares its genetic makeup with Record™ and this designates it for competition as does its level of reliability, life and construction tolerances, even if they are obtained through the use of a few less carbon composite parts.

standard

compact

Ø 27,2 / 250

Flat Bar

Ø 31,6 / 350
Ø 32,4 / 350

L. 13,5
18,5
24,0

rear

front

short

medium

new

Ø 32
Ø 35

new

Record™

COMPONENT	FEATURES	BENEFITS
CHORUS™ rear derailleur 	forged aluminium bodies	weight savings and long fatigue life
	carbon outer plate	light, long fatigue life, corrosion-proof
	skeletonized upper body	greater rigidity with same weight
	rollers on bushings	long life, low friction
	rollers in special rubber	damping of vibrations
CHORUS™ front derailleur 	Z-shape™ inner plate	greater rigidity, greater thrust on the fork
	M-brace™ body	more rigid system, better shifting
	standardised Standard/Compact fork	versatility
	Even-O™ clamp	more even pressure on the frame
	light-alloy fork	weight savings
	antifriction treatment	long life
CHORUS™ QS™ Ergopower™ controls 	carbon brake lever	weight savings, reliability, rigidity, mechanical strength, corrosion-proof, long fatigue life
	body in technopolymer with long carbon fibre	mechanical strength and corrosion-proof, maximum weight savings, rigidity, minimum ageing
	internal mechanism on bearings	operating weight savings, minimum friction, minimum wear
	silicone hood	anallergic, elastic, memory of form, stability with UV and high temperatures
	brake opening control in the brake lever	enhanced ergonomics
CHORUS™ FB Ergopower™ controls 	Carbon brake lever	weight savings, reliability, rigidity, mechanical strength and corrosion-proof, long fatigue life
	upshift up to three sprockets	fast shifting
	downshift up to three sprockets	fast shifting
	rolling mechanism	low friction-light operation, low maintenance, great reliability
	adjustable brake lever distance	maximum ergonomics and security with hands of various sizes
	display of ratio used	fast checking without distraction
	indexed left-hand control	fast and precise shifting
RECORD™ front hub 	oversize body	greater rigidity, weight savings
	adjustable bearings	more ball bearings for the same dimensions, longer life, adjustable/play eliminable, each component individually replaceable, low friction, lighter, ceramic-ready
	oversize light-alloy axle	weight savings, rigidity
	locking with light-alloy housing and lever	weight savings
	Symmetric Action™ lever on the release	even and effective operation

COMPONENT	FEATURES	BENEFITS
RECORD™ rear hub 	oversize body	greater rigidity, weight savings
	adjustable bearings	more ball bearings for the same dimensions, longer life, adjustable/play eliminable, each component individually replaceable, low friction, lighter, ceramic-ready
	oversize light-alloy axle	weight savings, rigidity
	locking with light-alloy housing and lever	weight savings
	Symmetric Action™ lever on the release	even and effective operation
	monolithic freewheel body	weight savings
CHORUS™ UD™ 10s sprockets 	aluminium carrier for the largest sprockets	precision and rigidity, weight savings
	sprocket synchronization	fast and precise shifting, lower chain stress
	Ultra-Drive™ machining of the teeth	chain passage optimization
	nickel-chrome surface treatments	longer life, lower wear
CHORUS™ Ultra-Narrow™ chain 	width 5.9 mm	quiet operation, less interference with adjacent sprockets and chainrings, high-performance shifting
	HD-Link™	extremely high retention force
	lightened links	weight savings
	antifriction treatment	smoothness, long life
CHORUS™ Ultra-Torque™ Carbon crankset 	full-carbon unidirectional-multidirectional cranks	rigidity, weight savings, longer fatigue life
	light-alloy high-guage chainrings with antifriction treatment	weight savings, rigidity, resistance to wear
	light-alloy nuts and bolts	greater weight savings
	8 pins on the large chainring	faster shifting
	Ultra-Torque™ bottom bracket	(see specific window)
Ultra-Torque™ System 	Hirth-type joint	self-centering, self-aligning, extreme strength
	15 mm locking bolt with preloading Belleville spring	great strength, great security, preload the joint with 1300lb/600kg, self-locking
	variable section semi-axles	great weight savings, strength where necessary
	great interface diameter with the crank	makes it possible to make a thinner crank, with less lateral bulk/better Q-factor
	bearings on semi-axles	simple fast maintenance, fast and simple changing
	triple gaskets	good insulation with reduced friction
	preloading spring on the bearings	elimination of lateral bearing movement
	crescent spring for RH bearing	prevention of crankset movements compared with frame
	cups with surface treatment	reduced wear and noise

COMPONENT	FEATURES	BENEFITS
CHORUS™ Pro-Fit Plus™ pedals 	compact	weight savings, excellent clearance in bends
	broad support base	comfortable
	sealed cartridge axle	zero maintenance
	release adjustment display	handy adjustment
CHORUS™ Skeleton™ brakes 	forged arms	stronger, maximum life cycle
	skeletonized arms	greater weight savings with same life
	orbital pad adjustment	optimum interface with the rim, maximum braking performance
	ball bearings	long life, low friction
	special pad compound	excellent balance between performance on dry and wet surface, modulable braking and long pad life
	differentiated front-rear	powerful front, light and modulable rear
CHORUS™ Carbon seat post 	differentiated composite tube	weight savings and strength
	forged aluminium head	weight savings and security
	forged aluminium brackets	weight savings and long fatigue life
	special steel screw with rolled thread	strength and long fatigue life
CHORUS™ Threadless™ headset 	cup and cone system	easy cleaning and maintenance
	Campagnolo® patented centering system	weight savings, does not damage the fork
	light alloy with steel inserts	weight savings and strength
CHORUS™ Hiddenset™ headset 	cup and cone system	easy cleaning and maintenance
	Campagnolo® patented centering system	weight savings, does not damage the fork
CHORUS™ bottle cage 	composite body	weight savings, corrosion-proof
	carbon band	weight savings, corrosion-proof
RECORD™ sub-shell plate	technopolymer with PTFE	self-lubricating, minimum friction

CHORUS™ 2008

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
CHORUS™ 10s rear derailleur	short cage	upper to lower pulley-axle: 55 mm composite outer plate	202
	medium cage	upper to lower pulley-axle: 72,5 mm composite outer plate	205
CHORUS™ QS™ STD + CT™ 9s/10s front derailleur	braze-on / clip-on: Ø 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - light alloy fork with antifriction treatment - M-brace™ body - Even-O™ clamp - Z-shape™ lower cage	76
CHORUS™ QS™ 10s Ergopower™ shifters		for caliper brakes - double/triple crankset compatible – composite body – composite levers - light alloy hardware - ErgoBrain10™ computer ready	348
CHORUS™ 10s Ergopower™ FB shifters		for caliper brakes - double/triple crankset compatible – alu-composite body – aluminium brake lever - light alloy small parts - requires QS™ front derailleur	320
RECORD™ front hub	32, 36 holes	light alloy axle and body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 100 mm	116
RECORD™ rear hub	32, 36 holes	9s/10s - light alloy body, axle and one-piece freewheel body – adjustable bearings – quick-release with aluminium lock nuts - lockring thread 27x1 - O.L.D. 130 mm	231
CHORUS™ UD™ 10s sprockets - steel	11-23, 11-25, 12-25, 13-26, 13-29	Ultra·Drive™ - nickel-chromed finish - light alloy carrier - supplied without lockring (except for 11-23 and 11-25)	220
CHORUS™ Ultra Narrow™ chain		10s - width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra·Drive™ - HD-Link™ for Ultra Narrow™ chain - lightened links	2,36/ link **
CHORUS™ Ultra-Torque™ Carbon 10s crankset	170, 172.5, 175 mm 39-52, 39-53	composite crankarms - Ultra·Drive™ EPS™ chainrings - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	679
CHORUS™ Ultra-Torque™ CT™ Carbon 10s crankset	170, 172.5, 175 mm 34-48, 34-50, 36-50	composite crankarms - Ultra·Drive™ EPS™ chainrings - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	679
RECORD™ Ultra-Torque™ BB overboard cups	ITA, ENG	aluminium	49
CHORUS™ Pro·Fit Plus™ pedals		steel axle -light alloy body - with floating (standard) or fixed (optional) cleats - composite axle fixing nuts - polished aluminium finish - left axle compatible with the ErgoBrain™ magnet	325
CHORUS™ D Skeleton™ brakes	front fixing bolt: 13,5 - 18,5 - 24 mm	brake-pad height adjustment ratio:40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - brake pads orbital adjustment-lightened rear brake	326
CHORUS™ Carbon seat post	27,2 / 250 31,6 / 350 32,4 / 350	composite tube - clamp for seat tube - knurling pitch: 0.5 mm	195
CHORUS™ Threadless™ headset		1" - for unthreaded fork tube - height 24.5 mm - patent pending system steel and light alloy fixing screw	117
CHORUS™ Hiddenset™ headset	1-1/8", 1-1/8" TTC™	internal headset for unthreaded fork tube - version 1-1/8": height 5.9 mm, version 1-1/8" TTC™: height 15,9 mm - patent pending system - steel and light alloy fixing screw light alloy cap - 1-1/8" TTC™ without bolt washer and nut set	82
CHORUS™ water-bottle carrier		carbon and composite, supplied with water-bottle	29
RECORD™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells	5

* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release. The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.

** Example: 2,36 x 108 links = 255 g

CENTAUR™

ULTRA-TORQUE™ SYSTEM

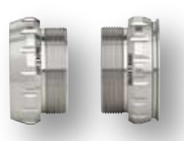
The new Ultra-Torque™ system for the cranksets is also available this year in the Carbon version; Skeleton™ architecture for the brakes; carbon for the outer plate of the rear derailleur, the bottle cage and the Ergopower™ controls: a class option at a competitive price.

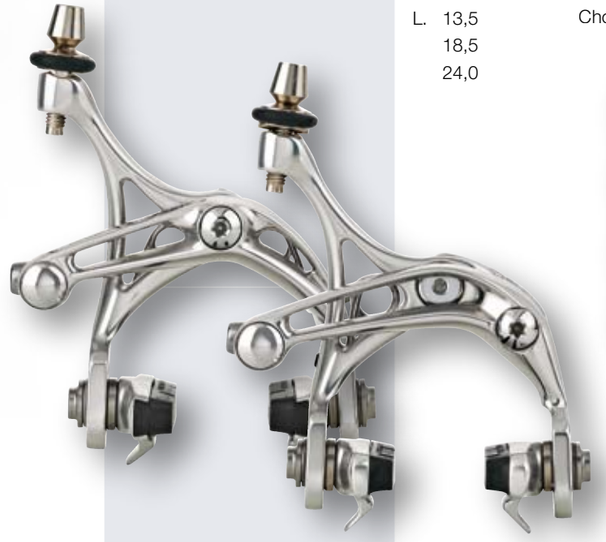
new

standard

new

compact





rear

front

L. 13,5
18,5
24,0

Chorus™

new

Ø 32
Ø 35

new

short

medium

COMPONENT	FEATURES	BENEFITS
CENTAUR™ 10s rear derailleur 	aluminium bodies	mechanical strength, weight savings, rigidity, minimum ageing
	carbon outer plate	light, long fatigue life, corrosion-proof
	rollers on bushings	long life, low friction
	rollers in special rubber	damping of vibrations
CENTAUR™ front derailleur 	standardised Standard/Compact fork	versatility
	chrome-plated nickel fork	long life and low wear
	surface treatments	protection from rust
CENTAUR™ QS™ Ergopower™ controls 	carbon brake lever	weight savings, reliability, rigidity, mechanical strength, corrosion-proof, long fatigue life
	body made of technopolymer with long glass fibre	mechanical strength and corrosion-proof, weight savings, rigidity, minimum ageing
	internal Escape™ mechanism	minimum wear, minimum maintenance, weight savings, precision, indexing on the front derailleur
	silicone hood	anallergic, elastic, memory of form, stability with UV and high temperatures
	brake opening control in the brake lever	enhanced ergonomics
CENTAUR™ front hub 	sealed bearings	low maintenance
	oversize body	greater rigidity, weight savings
	Symmetric Action™ lever on the release	even and effective operation
	aluminium release lever housing	weight savings
CENTAUR™ rear hub 	sealed bearings	low maintenance
	monolithic freewheel body	weight savings
	oversize body	greater rigidity, weight savings
	Symmetric Action™ lever on the release	even and effective operation
	higher release lever housing	better interface with the frames
	aluminium release lever housing	weight savings
CENTAUR™ UD™ 10s sprockets 	aluminium supports and “macro” spacers	precision and rigidity, weight savings
	sprocket synchronization	fast precise shifting, less stress for the chain
	Ultra-Drive™ machining of the teeth	chain passage optimization
	nickel-chrome surface treatments	longer life, lower wear
CENTAUR™ Ultra-Narrow™ chain 	width 5.9 mm	quiet operation, less interference with adjacent sprockets and chainrings, high-performance shifting
	HD-Link™	extremely high retention force
	lightened links	weight savings
	antifriction treatment	smoothness, long life

COMPONENT	FEATURES	BENEFITS
CENTAUR™ Ultra-Torque™ crankset 	forged aluminium cranks	excellent mechanical features, longer fatigue life
	light-alloy high-thickness chainrings	rigidity, resistance to wear
	pedal shouldershoulder tapered insert	longer fatigue life
	rolled pedal thread	longer fatigue life
	8 pins on the large chainring	faster shifting
	Ultra-Torque™ bottom bracket	(see specific window)
CENTAUR™ Ultra-Torque™ Carbon crankset 	full-carbon unidirectional-multidirectional cranks	rigidity, weight savings, longer fatigue life
	light-alloy sheared-drawn chainrings with antifriction treatment	rigidity, rigidity, resistance to wear
	8 pins on the large chainring	faster shifting
	Ultra-Torque™ bottom bracket	(see specific window)
Ultra-Torque™ System 	Hirth-type joint	self-centering, self-aligning, extreme strength
	15 mm locking bolt with preloading Belleville spring	great strength, great security, preload the joint with 1300lb/600kg, self-locking
	variable section semi-axles	great weight savings, strength where necessary
	great interface diameter with the crank	makes it possible to make a thinner crank, with less lateral bulk/better Q-factor
	bearings on semi-axles	simple fast maintenance, fast and simple changing
	triple gaskets	good insulation with reduced friction
	preloading spring on the bearings	elimination of lateral bearing movement
	crescent spring for RH bearing	prevention of crankset movements compared with frame
	cups with surface treatment	reduced wear and noise
CENTAUR™ Skeleton™ brakes 	forged arms	stronger, maximum life cycle
	skeletonized arms	greater weight savings with same rigidity
	special pad compound	excellent balance between performance on dry and wet surface, modulable braking and long pad life
	differentiated front-rear	powerful front, light and modulable rear
	orbital pad adjustment	optimum interface with the rim, maximum braking performance
CENTAUR™ Hiddenset headset 	cup and cone system	easy cleaning and maintenance
	Campagnolo® patented centering system	weight savings, does not damage the fork
	standardised external dimensions	forks from 1” to 1-1/8” on the same frame
CENTAUR™ bottle cage 	composite body	weight savings, corrosion-proof
	carbon band	weight savings, corrosion-proof
RECORD™ sub-shell plate	technopolymer with PTFE	self-lubricating, minimum friction

CENTAUR™ 2008

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
CENTAUR™ 10s rear derailleur	short cage	upper to lower pulley-axle: 55 mm composite outer plate	227
	medium cage	upper to lower pulley-axle: 72,5 mm composite outer plate	232
CENTAUR™ STD + CT™ 9s/10s front derailleur	braze-on / clip-on: Ø 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - antifriction insert	91
CENTAUR™ QS™ 10s Ergopower™ shifters		for caliper brakes - double/triple crankset compatible – composite body - ESCAPE™ mechanism - not compatible with ErgoBrain™	334
CENTAUR™ front hub	32, 36 holes	high quality bearings - O.L.D. 100 mm	169
CENTAUR™ rear hub	32, 36 holes	9s/10s - one-piece light alloy freewheel body – high quality bearings - lockring thread 27x1 - O.L.D. 130 mm	312
CENTAUR™ UD™ 10s sprockets - steel	11-23, 11-25, 12-25, 13-26, 13-29	Ultra·Drive™ - nickel-chromed finish - light alloy carrier - “macro” spacers - supplied without lockring (except for 11-23 and 11-25)	233
CHORUS™ Ultra Narrow™ chain		10s - width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra·Drive™ - HD-Link™ for Ultra Narrow™ chain - lightened links	2,36/ link **
CENTAUR™ Ultra-Torque™ 10s crankset	170, 172.5, 175 mm	39-53 - Ultra·Drive™ chainrings - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	828
CENTAUR™ Ultra-Torque™ Carbon 10s crankset	170, 172.5, 175 mm	39-53 - composite crankarms - Ultra·Drive™ chainrings - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	707
CENTAUR™ Ultra-Torque™ CT™ crankset	170, 172.5, 175 mm	34-50 - Ultra·Drive™ chainrings - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	828
CENTAUR™ Ultra-Torque™ CT™ Carbon crankset	170, 172.5, 175 mm	34-50 - composite crankarms - Ultra·Drive™ chainrings - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	693
RECORD™ Ultra-Torque™ BB overboard cups	ITA, ENG	aluminium	49
CENTAUR™ D Skeleton™ brakes	front fixing bolt: 13,5 - 18,5 - 24 mm	brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - brake pads orbital adjustment - lightened rear brake	334
CENTAUR™ seat post		Ø 27.2 mm - L. 250 mm - light alloy tube	221
CENTAUR™ Hiddenset™ headset		1-1/8” - internal headset for unthreaded fork tube - height 5.9 mm - patent pending system - composite cap - without bolt washer and nut set	56
CENTAUR™ water bottle carrier		carbon and composite, supplied with water-bottle	35
RECORD™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells	5

* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release.
The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products
** Example: 2,36 x 108 links = 255 g

VELOCE™ SILVER

ULTRA-TORQUE™ SYSTEM

Skeleton™ brake bodies, Ergopower™ controls with composite or aluminium levers – of both the Racing and Flat-bar types – hubs with oversize bodies, the new Ultra-Drive™ sprocket set and Ultra-Torque™ cranksets.

standard

compact

Flat Bar

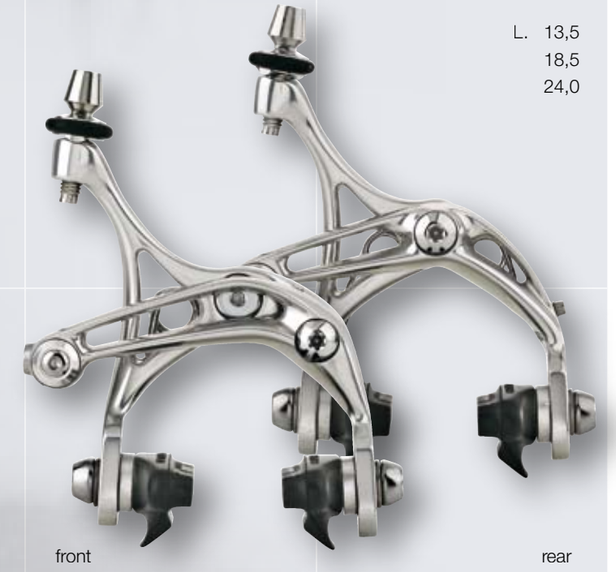
new

Ø 32
Ø 35

new

short

medium



L. 13,5
18,5
24,0

front

rear

Centaur™

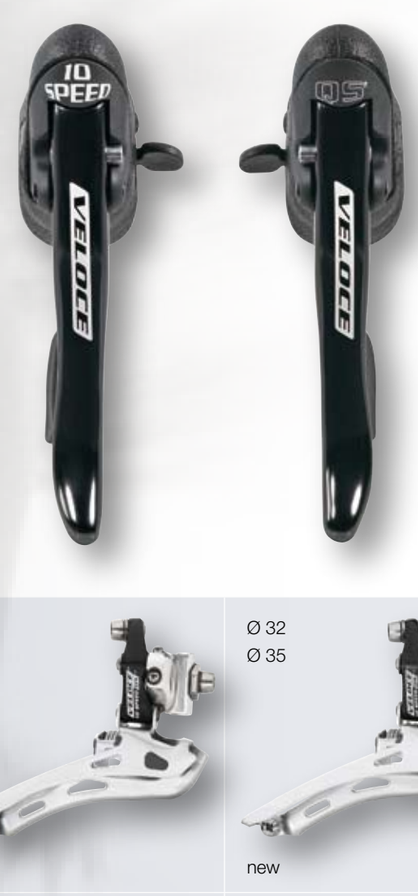
VELOCE™ INFINITE™

ULTRA-TORQUE™ SYSTEM

The Veloce™ groupset is available with two finishes, the aggressive Veloce™ Infinite™ gloss black version as well as the traditional polished Silver one.

standard

compact



short

medium

new

Ø 32
Ø 35

new

Centaur™

front

L. 13,5
18,5
24,0

rear

COMPONENT	FEATURES	BENEFITS
VELOCE™ 10s rear derailleur 	aluminium bodies	mechanical strength, weight savings, rigidity, minimum ageing
	rollers on bushings	long life, low friction
	rollers in special rubber	damping of vibrations
VELOCE™ front derailleur 	standardised Standard/Compact forkt	versatility
	chrome-plated nickel fork	long life and low wear
	surface treatments	protection from rust
VELOCE™ QS™ Ergopower™ controls 	aluminum brake lever	weight savings, reliability, rigidity, mechanical strength, long fatigue life
	body made of technopolymer with long glass fibre	mechanical strength and corrosion-proof, weight savings, rigidity, minimum ageing
	internal Escape™ mechanism	minimum wear, minimum maintenance, weight savings, precision, indexing on the front derailleur
	silicone hood	anallergic, elastic, memory of form, stability with UV and high temperatures
	brake opening control in the brake lever	greater ergonomics, greater security
FB VELOCE™ Ergopower™ controls 	aluminum brake lever	weight savings, reliability, rigidity, mechanical strength, long fatigue life
	upshift up to three sprockets	fast shifting
	downshift up to three sprockets	fast shifting
	rolling mechanism	low friction-light operation, low maintenance, great reliability
	adjustable brake lever distance	maximum ergonomics and security with hands of various sizes
	optical gear display	fast checking without distractions
	indexed left-hand control	fast and precise shifting
VELOCE™ front hub 	sealed bearings	low maintenance
	oversize body	greater rigidity, weight savings
	Symmetric Action™ lever on the release	even and effective operation
VELOCE™ rear hub 	sealed bearings	low maintenance
	monolithic freewheel body	weight savings
	oversize body	greater rigidity, weight savings
	Symmetric Action™ lever on the release	even and effective operation
	higher release lever housing	better interface with the frames

COMPONENT	FEATURES	BENEFITS
VELOCE™ UD™ 10s sprockets 	sprocket synchronization	fast precise shifting, less stress for the chain
	Ultra-Drive machining™ of the teeth	chain passage optimization
	nickel-chrome surface treatments	longer life, lower wear
VELOCE™ Ultra-Narrow™ chain 	width 5.9 mm	quiet operation, less interference with adjacent sprockets and chainrings, high-performance shifting
	HD-Link™	extremely high retention force
VELOCE™ Ultra-Torque™ crankset 	forged aluminium cranks	excellent mechanical specifications, longer fatigue life
	sheared-drawn chainring	more rigid for same weight
	pedal shouldershoulder area tapered washer	longer fatigue life
	rolled pedal thread	longer fatigue life
	8 pins on the large chainring	faster shifting
	Ultra-Torque™ bottom bracket	see specific window
Ultra-Torque™ System 	Hirth-type joint	self-centering, self-aligning, extreme strength
	15 mm locking bolt with preloading Belleville spring	great strength, great security, preload the joint with 1300lb/ 600kg, self-locking
	variable section semi-axles	great weight savings, strength where necessary
	great interface diameter with the crank	makes it possible to make a thinner crank, with less lateral bulk/better Q-factor
	bearings on semi-axles	simple fast maintenance, fast and simple changing
	triple gaskets	good insulation with reduced friction
	preloading spring on the bearings	elimination of lateral bearing movement
	crescent spring for RH bearing	prevention of crankset movements compared with frame
	cups with surface treatment	reduced wear and noise
VELOCE™ Skeleton™ brakes 	forged arms	stronger, maximum life cycle
	skeletonized arms	greater weight savings with same rigidity
	special pad compound	excellent balance between performance on dry and wet surface, modulable braking and long pad life
	differentiated front-rear	powerful front, light and modulable rear
VELOCE™ linear pull cantilever brakes 	forged arms	stronger, maximum life cycle
	special pad compound	excellent balance between performance on dry and wet surface, modulable braking and long pad life
	fast-fit pads	speedy replacement and secure retention
RECORD™ sub-shell plate	technopolymer with PTFE	self-lubricating, minimum friction

VELOCE™ 2008

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
VELOCE™ 10s rear derailleur	short cage	upper to lower pulley-axle: 55 mm	250
	medium cage	upper to lower pulley-axle: 72,5 mm	259
VELOCE™ QS™ STD + CT™ front derailleur	braze-on / clip-on: 32, 35 mm	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - antifriction insert	98
VELOCE™ QS™ 10s Ergopower™ shifters		for caliper brakes - double/triple crankset compatible - composite body – ESCAPE™ mechanism - not compatible with ErgoBrain™	351
VELOCE™ 10s Ergopower™ FB shifters		for caliper brakes - double/triple crankset compatible - alu-composite body – aluminium brake lever - requires QS™ front derailleur	340
VELOCE™ 10s Ergopower™ FB shifters		for linear pull cantilever brakes - double/triple crankset compatible - alu-composite body – aluminium brake lever - requires QS™ front derailleur	340
CENTAUR™ front hub	32, 36 holes	high quality bearings - O.L.D. 100 mm	169
CENTAUR™ rear hub	32, 36 holes	9s/10s - one-piece light alloy freewheel body – high quality bearings - lockring thread 27x1 - O.L.D. 130 mm	312
VELOCE™ UD™ 10s sprockets - steel	11-25, 12-23, 12-25, 13-26, 13-29, 14-23	Ultra·Drive™ - single sprockets - nickel-chromed finish - supplied without lockring (except for 11-25)	250
VELOCE™ Ultra-Narrow™ chain		10s - width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra·Drive™ - requires HD-Link™ for Ultra Narrow™ chain	2,39/ link **
VELOCE™ Ultra-Torque™ 10s crankset	170, 172.5, 175 mm	39-53 - Exa·Drive™ chainrings - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	836
VELOCE™ Ultra-Torque™ CT™ 10s crankset	170, 172.5, 175 mm	34-50 - Exa·Drive™ chainrings - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	821
RECORD™ Ultra-Torque™ BB overboard cups	ITA, ENG	aluminium	49
VELOCE™ D Skeleton™ brakes	front fixing bolt: 13,5 - 18,5 - 24 mm	brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - integrated shoe-holder - lightened rear brake	349
VELOCE™ linear pull cantilever brakes		for distances between brake bosses from 70 to 83 mm and for rim widths from 19.5 to 26.5 mm	378
RECORD™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells	5

* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release.
The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.
** Example: 2,39 x 108 links = 258 g

MIRAGE™

ULTRA-TORQUE™ SYSTEM

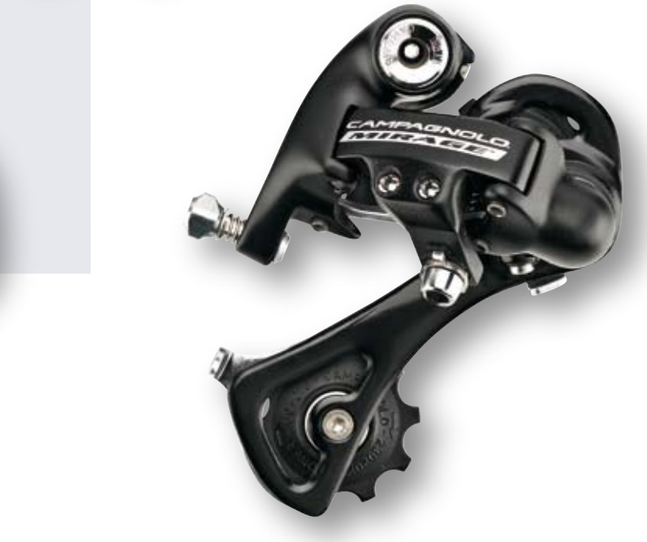
A groupset dedicated to the use of the bike in the most leisurely sense but still without performance compromises at a technical level: included are the CT™ cranksets, often preferred for gearing down the pedal action, and Flat Bar controls, for a higher position.

standard

compact

Flat Bar

Veloce™



medium

short

new

Ø 32
Ø 35

new

front / rear

L. 13,5
18,5
24,0

COMPONENT	FEATURES	BENEFITS
MIRAGE™ 10s rear derailleur 	aluminium bodies	mechanical strength, weight savings, rigidity, minimum ageing
	rollers on bushings	long life, low friction
	rollers in special rubber	damping of vibrations
MIRAGE™ front derailleur 	standardised Standard/Compact fork	versatility
	chrome-plated nickel fork	long life and low wear
	surface treatments	protection from rust
MIRAGE™ QS™ Ergopower™ controls 	aluminum brake lever	weight savings, reliability, rigidity, mechanical strength, long fatigue life
	body made of technopolymer with long glass fibre	mechanical strength and corrosion-proof, weight savings, rigidity, minimum ageing
	internal Escape™ mechanism	minimum wear, minimum maintenance, weight savings, precision, indexing on the front derailleur
	silicone hood	anallergic, elastic, memory of form, stability with UV and high temperatures
	fast brake opening control in the brake lever	greater ergonomics, greater security
FB MIRAGE™ Ergopower™ controls 	body made of technopolymer with oriented, long glass fibre	reliability, rigidity, mechanical strength, corrosion-proof, long fatigue life
	upshift up to three sprockets	fast shifting
	downshift up to three sprockets	fast shifting
	rolling mechanism	low friction-light operation, low maintenance, great reliability
	adjustable brake lever distance	maximum ergonomics and security with hands of various sizes
	optical gear display	fast checking without distractions
	indexed left-hand control	fast and precise shifting
MIRAGE™ front hub 	sealed bearings	low maintenance
	aluminium axle	weight savings
	oversize body	greater rigidity, weight savings
	Symmetric Action™ lever on the release	even and effective operation
MIRAGE™ rear hub 	sealed bearings	low maintenance
	monolithic freewheel body	weight savings
	oversize body	greater rigidity, weight savings
	Symmetric Action™ lever on the release	even and effective operation
	higher release lever housing	better interface with the frames

COMPONENT	FEATURES	BENEFITS
MIRAGE™ UD™ 10s sprockets 	sprocket synchronization	fast precise shifting, less stress for the chain
	Ultra-Drive™ machining of the teeth	chain passage optimization
	galvanized	rust-proof
VELOCE™ Ultra-Narrow™ chain 	width 5.9 mm	quiet operation, less interference with adjacent sprockets and chainrings, high-performance shifting
	HD-Link™	extremely high retention force
MIRAGE™ Ultra-Torque™ crankset 	forged aluminium cranks	excellent mechanical specifications, longer fatigue life
	sheared-drawn chainrings	more rigid for same weight
	pedal shoulder area tapered washer	longer fatigue life
	rolled pedal thread	longer fatigue life
	8 pins on the large chainring	faster shifting
	Ultra-Torque™ bottom bracket	see specific window
Ultra-Torque™ System	Hirth-type joint	self-centering, self-aligning, extreme strength
	15 mm locking bolt with preloading Belleville spring	great strength, great security, preload the joint with 1300lb/600kg, self-locking
	variable section semi-axles	great weight savings, strength where necessary
	great interface diameter with the crank	makes it possible to make a thinner crank, with less lateral bulk/better Q-factor
	bearings on semi-axles	simple fast maintenance, fast and simple changing
	triple gaskets	good insulation with reduced friction
	preloading spring on the bearings	elimination of lateral bearing movement
	crescent spring for RH bearing	prevention of crankset movements compared with frame
	cups with surface treatment	reduced wear and noise
MIRAGE™ brakes 	forged arms	stronger, maximum life cycle
	special pad compound	excellent balance between performance on dry and wet surface, modulable braking and long pad life
VELOCE™ linear pull cantilever brakes 	forged arms	stronger, maximum life cycle
	special pad compound	excellent balance between performance on dry and wet surface, modulable braking and long pad life
	fast-fit pads	speedy replacement and secure retention
RECORD™ plate	technopolymer with PTFE	self-lubricating, minimum friction

MIRAGE™ 2008

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
MIRAGE™ 10s rear derailleur	short cage	upper to lower pulley-axle: 55 mm	269
	medium cage	upper to lower pulley-axle: 72,5 mm	274
MIRAGE™ QS™ STD + CT™ front derailleur	braze-on / clip-on: Ø 32, 35 mm	for double standard and CT™crankset - capacity 16 – max. chainring 55 - min. chainring 34 - antifriction insert	106
MIRAGE™ QS™ 10s Ergopower™ shifters		for caliper brakes - double/triple crankset compatible – composite body - aluminium levers - ESCAPE™ mechanism - not compatible with ErgoBrain™	352
MIRAGE™ 10s Ergopower™ FB shifters		for caliper brakes - double/triple crankset compatible – alu-composite body - composite brake lever - requires QS™ front derailleur	340
MIRAGE™ 10s Ergopower™ FB shifters		for linear pull cantilever brakes - double/triple crankset compatible – alu-composite body - composite brake lever - requires QS™ front derailleur	340
MIRAGE™ front hub	32, 36 holes	high quality bearings - O.L.D. 100 mm	140
MIRAGE™ rear hub	32, 36 holes	9s/10s - one-piece light alloy freewheel body – high quality bearings - lockring thread 27x1 - O.L.D. 130 mm	303
MIRAGE™UD™ 10s sprockets steel	11-25, 12-23, 12-25, 13-26, 13-29	Ultra·Drive™ - single sprockets - galvanized - supplied without lockring (except for 11-25)	259
VELOCE™ Ultra-Narrow™ chain		10s - width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra·Drive™ - requires HD-Link™ for Ultra Narrow™ chain	2,39/ link **
MIRAGE™ Ultra-Torque™ 10s crankset	170, 172.5, 175 mm	39-53 - Black finish - Exa·Drive™ – steel inner chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ overboard cups	876
MIRAGE™ Ultra-Torque™ CT™ 10s crankset	170, 172.5, 175 mm	34-50 - Black finish - Exa·Drive™ – steel inner chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB overboard cups	861
RECORD™ Ultra-Torque™ BB overboard cup	ITA, ENG	aluminium	49
MIRAGE™ brakes	front fixing bolt: 13,5 - 18,5 - 24 mm	brake-pad height adj. ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut)	340
MIRAGE™ linear pull cantilever brakes		for distances between brake bosses from 70 to 83 mm and for rim widths from 19.5 to 26.5 mm	432
RECORD™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells	5

* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release.
The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.
** Example: 2,39 x 108 links = 258 g

XENON™

Only Campagnolo® can offer you a 10-speed groupset that boasts functional features which fear no comparison at this price level. With its makeup, which partly makes use of Mirage™ components, the Xenon™ constitutes the most interesting groupset for special bikes in the first market bracket.

compact

L. 13,5
18,5
24,0

Veloce™

front / rear

Mirage™

Ø 32
Ø 35

Veloce™

short

medium

Mirage™

Mirage™

COMPONENT	FEATURES	BENEFITS
XENON™ 10s rear derailleur 	body made of technopolymer with glass fibre	mechanical strength and corrosion-proof, weight savings, rigidity, minimum ageing
	rollers on bushings	long life, low friction
	rollers in special rubber	damping of vibrations
XENON™ front derailleur 	chrome-plated nickel fork	long life and low wear
	surface treatments	protection from rust
XENON™ QS™ Ergopower™ controls 	brake lever in technopolymer with oriented, long glass fibre	reliability, rigidity, mechanical strength, corrosion-proof, long fatigue life
	body made of technopolymer with long glass fibre	mechanical strength and corrosion-proof, weight savings, rigidity, minimum ageing
	internal Escape™ mechanism	minimum wear, minimum maintenance, weight savings, precision, indexing on the front derailleur
	silicone hood	anallergic, elastic, memory of form, stability with UV and high temperatures
	fast brake opening control in the brake lever	greater ergonomics, greater security
MIRAGE™ front hub 	sealed bearings	low maintenance
	aluminium axle	weight savings
	oversize body	greater rigidity, weight savings
	Symmetric Action™ lever on the release	even and effective operation
MIRAGE™ rear hub 	sealed bearings	low maintenance
	monolithic freewheel body	weight savings
	oversize body	greater rigidity, weight savings
	Symmetric Action™ lever on the release	even and effective operation
	higher release lever housing	better interface with the frames
MIRAGE™ UD™ 10s sprockets 	sprocket synchronization	fast precise shifting, less stress for the chain
	Ultra-Drive™ machining of the teeth	chain passage optimization
	galvanized	rust-proof
VELOCE™ Ultra-Narrow™ chain 	width 5.9 mm	quiet operation, less interference with adjacent chainrings and sprockets, high-performance shifting
	HD-Link™	extremely high retention force

COMPONENT	FEATURES	BENEFITS
XENON™ crankset 	forged aluminium cranks	excellent mechanical specifications, longer fatigue life
	sheared-drawn chainrings	more rigid for same weight
	rolled pedal thread	longer fatigue life
	8 pins on the large chainring	faster shifting
VELOCE™ bottom bracket 	ISO spindle	reliable and simple to fit
	sealed cartridge	maintenance-free, easy to fit
XENON™ brakes 	forged arms	stronger, maximum life cycle
	special pad compound	excellent balance between performance on dry and wet surface, modulable braking and long pad life
RECORD™ sub-shell plate	technopolymer with PTFE	self-lubricating, minimum friction

XENON™ 2008

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
XENON™ 10s rear derailleur	short cage	upper to lower pulley-axle: 55 mm	253
	medium cage	upper to lower pulley-axle: 72,5 mm	258
XENON™ QS™ CT™ 9s/10s front derailleur	braze-on / clip-on: Ø 32, 35 mm	for CT™ crankset - capacity 16 – chainring max 50 - chainring min 34	108
XENON™ QS™ 10s Ergopower™ shifters		for caliper brakes - double/triple crankset compatible – composite body and levers - ESCA-PE™ mechanism - not compatible with ErgoBrain™	363
MIRAGE™ front hub	32, 36 holes	high quality bearings - O.L.D. 100 mm	140
MIRAGE™ rear hub	32, 36 holes	9s/10s - one-piece light alloy freewheel body – high quality bearings - lockring thread 27x1 - O.L.D. 130 mm	303
MIRAGE™ UD™ 10s sprockets steel	11-25, 12-23, 12-25, 13-26, 13-29	Ultra·Drive™ - single sprockets - galvanized - supplied without lockring (except for 11-25)	259
VELOCE™ Ultra-Narrow™ chain		10s - width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra·Drive™ - requires HD-Link™ for Ultra Narrow™ chain	2,39/ link **
XENON™ CT™ crankset	170, 172,5, 175 mm	Exa·Drive™ chainrings – 34-50 - requires b.b. with L. 111 mm - requires CT™ front derailleur	768
VELOCE™ bottom bracket	ITA, ENG	111 mm - cartridge b.b. - solid axle - light alloy cups	299
MIRAGE™ brakes	front fixing bolt: 13,5 - 18,5 - 24 mm	brake-pad height adj. ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut)	340
RECORD™ cable guide plate		to fit under bottom bracket shell - composite, suitable to oversize shells	5

* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release. The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.

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

TRIPLE

There are three triple drivetrain kits available for enthusiasts of the steepest climbs, two 10-speeds and a 9-speed one, to have the most agile possible ratio set at your fingertips. The kits consist of a crankset, front derailleur and a rear derailleur with a long cage, and require the use of 111 mm and 115.5 mm ISO bottom brackets.

Comp Triple™

Race Triple™

Champ Triple™

TRIPLE 2008

Comp Triple™

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
COMP TRIPLE™ 10s rear derailleur		long cage - upper to lower pulley-axle: 89 mm	238
COMP TRIPLE™ front derailleur	braze-on / clip-on: Ø 32, 35 mm	for triple crankset - capacity 22 – chainring max 53 - chainring min 30	98
COMP TRIPLE™ 10s Triple crankset	170, 175 mm 30-40-50, 30-42-53	Ultra·Drive™ chainrings - requires b.b. with L. 111 (for seat tube Ø 28,6 mm) or 115.5 mm (for oversize seat tube Ø 32 or 35 mm)	788
CENTAUR™ bottom bracket	ITA, ENG 111, 115,5 mm	cartridge b.b. - hollow axle- light alloy cups	233

Race Triple™

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
RACE TRIPLE™ 10s rear derailleur		long cage - upper to lower pulley-axle: 89 mm	275
RACE TRIPLE™ front derailleur	braze-on / clip-on: Ø 32, 35 mm	for triple crankset - capacity 22 – chainring max 52 - chainring min 30	118
RACE TRIPLE™ 10s Triple crankset	170, 175 mm	30-42-52 - Exa·DriveTM chainrings requires b.b. with L. 111 (for seat tube Ø 28,6 mm) or 115.5 mm (for oversize seat tube Ø 32 or 35 mm)	882
VELOCE™ bottom bracket	ITA, ENG 111, 115,5 mm	cartridge b.b. - solid axle - light alloy cups	299

Champ Triple™

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
CHAMP TRIPLE™ 9s rear derailleur		long cage - upper to lower pulley-axle: 89 mm	263
CHAMP TRIPLE™ front derailleur	braze-on / clip-on: Ø 32 mm	for triple crankset - capacity 22 – chainring max 52 - chainring min 30	118
XENON™ 9s Ergopower™ shifters		for caliper brakes - double/triple crankset compatible – composite lever and body - ESCA-PE™ mechanism - not compatible with ErgoBrain™	357
CHAMP TRIPLE™ 9s Triple crankset	170, 175 mm	30-42-52 - Exa·Drive™ chainrings requires b.b. with L. 111 (for seat tube Ø 28,6 mm) or 115.5 mm (for oversize seat tube Ø 32 or 35 mm)	970
VELOCE™ bottom bracket	ITA, ENG 111, 115,5 mm	cartridge b.b. - solid axle - light alloy cups	299

* The nominal weight refers to the lighter specification among the available options.
The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.

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.

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
RECORD™ PISTA™ front hub	32, 36 holes	light alloy body – lubrication port - small flanges - O.L.D. 100 mm	204
RECORD™ PISTA™ rear hub	32, 36 holes	light alloy body – lubrication port - small flanges - O.L.D. 120 mm	284
RECORD™ PISTA™ crankset	165, 170 mm 47, 48, 49, 50, 51, 52	requires b.b. L. 111 mm (asymmetrical)	592
RECORD™ PISTA™ bottom bracket	ITA, ENG	axle L. 111 mm (asymmetrical) - composite and light alloy cartridge - light alloy cups - without sealings	220
RECORD™ Pro·Fit Plus™ pedals		Titanium axle -light alloy body - with floating (standard) or fixed (optional) cleats - composite axle fixing nuts - polished aluminium finish - left axle compatible with the ErgoBrain™ magnet	266
RECORD™ CARBON seat post	27,2 / 250 31,6 / 350 32,4 / 350	composite tube - clamp for seat tube - knurling pitch: 0.5 mm - composite upper clamp	185
RECORD™ headset		BC 1”x24tpi - height 36.5 mm	104
RECORD™ Threadless™ headset	1”, 1-1/8”	for unthreaded fork tube - height 24.5 mm - composite cover and light alloy fixing screw - lubrication port	110
RECORD™ Hiddenset™ headset	1-1/8” 1-1/8” TTC™	internal headset for unthreaded fork tube - version 1-1/8”: height 5.9 mm,version 1-1/8” TTC™: height 15.9 mm - patent pending system - composite cover and light alloy fixing screw - composite/light alloy cap	73

* The nominal weight refers to the lighter specification among the available options. The weight of the hubs does not include the quick-release. The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.

TIMETRIAL™

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.

COMPONENT	OPTIONS	DESCRIPTION	WEIGHT (G.)*
bar-end 10s shift. levers		composite body and lever	163
RECORD™ brake levers		composite body and lever	210
inner chainrings	42,44	Exa·Drive™ system	51
RECORD™ 10s inner chainrings	54, 55	Exa·Drive™ system	88
CHORUS™ 10s inner chainrings	54, 55	Exa·Drive™ system	88

* The nominal weight refers to the lighter specification among the available options.
The nominal weight does not take account of the sometimes considerable quantities of grease used in the assembly of the products.