












# VELOCE™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>VELOCE™ 10s rear derailleur</b>	short cage deep black bright silver	upper to lower pulley-axle: 55 mm - aluminium bodies - rollers on bushings - rollers in special rubber - parallelogram with 11s geometry	227
		medium cage deep black bright silver	upper to lower pulley-axle: 72,5 mm - aluminium bodies - rollers on bushings - rollers in special rubber - parallelogram with 11s geometry	260
	<b>VELOCE™ QS™ STD + CT™ 9s/10s front derailleur</b>	braze-on clip-on: 32, 35 mm deep black bright silver	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - antifriction insert - chrome-plated nickel fork - surface treatments	98
	<b>VELOCE™ POWER-SHIFT™ 10s Ergopower™ shifters</b>	deep black bright silver	for caliper brakes - composite body - aluminium brake lever - Power Shift™ mechanism - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	368
	<b>VELOCE™ 10s Ergopower™ FB shifters</b>		for caliper brakes - double/triple crankset compatible - alu-composite body – aluminium brake lever - requires QS™ front derailleur - upshift up to three sprockets - downshift up to three sprockets - rolling mechanism - adjustable brake lever distance - optical gear display - indexed left-hand control	369
	<b>VELOCE™ UD™ 10s sprockets</b>	11-25, 12-23, 12-25, 13-26, 13-29	steel - Ultra-Drive™ - single sprockets - galvanized - supplied with lockring	258
	<b>VELOCE™ Ultra-Narrow™ 10s chain</b>		width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra-Drive™ - requires HD-Link™ for Ultra Narrow™ chain	2,39/ link **







## VELOCE™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>VELOCE™ Power-Torque™ 10s crankset</b>	170, 172.5, 175 mm 39-52, 39-53 deep black bright silver	forged aluminium cranks - chainrings MPST™ (Micro Precision Shifting) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	758
	<b>VELOCE™ Power-Torque™ CT™ 10s crankset</b>	170, 172.5, 175 mm 34-50 deep black bright silver	forged aluminium cranks - chainrings MPST™ (Micro Precision Shifting) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	753
	<b>Power-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	72
	<b>Power-Torque™ OS-Fit™ integrated cups</b>	BB30 Ø 42, BB30 Ø 46, 86,5x41	aluminium - integrated cups for oversize shells BB30 and 86,5x41	50
	<b>VELOCE™ brakes</b>	deep black bright silver	brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - forged arms - lightened rear brake - special pad compound - brake pads orbital adjustment - front and rear dual-pivot brake	325
	<b>RECORD™ cable guide plate</b>		sottoscatola MC - in composito, adatta a scatole oversize - tecnopolimero caricato in PTFE	5






\* Average weight - it refers to the lighter specification among the available options.

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

# CENTAUR™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>CENTAUR™ 10s rear derailleur</b>	black&red deep black	upper to lower pulley-axle: 55 mm - aluminium bodies - rollers on bushings - parallelogram with 11s geometry - lightened special rubber pulleys	220
	<b>CENTAUR™ STD + CT™ 9s/10s front derailleur</b>	braze-on / clip-on: Ø 32, 35 mm black&red deep black	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - chrome-plated nickel fork - antifriction insert	92
	<b>CENTAUR™ POWER-SHIFT™ 10s Ergopower™ shifters</b>	black&red deep black	for caliper brakes - composite body - brake lever in aluminium - ball bearings - Power-Shift mechanism - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	373
	<b>CENTAUR™ POWER-SHIFT™ 10s Alu-Carbon Ergopower™ shifters</b>	black&red deep black	for caliper brakes - composite body - carbon brake lever with aluminium core - ball bearings - Power-Shift mechanism - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	375
	<b>CENTAUR™ UD™ 10s sprockets</b>	11-23, 11-25 12-25, 13-26, 13-29, 14-23	steel - Ultra-Drive™ - nickel-chromed finish - supplied with lockring - light alloy supports	248
	<b>CENTAUR™ Ultra-Narrow™ 10s chain</b>		width 5,9 mm - Ni-PTFE Finish - 114 links - Ultra-Drive™ - HD-Link™ for Ultra Narrow™ chain - lightened links	2,36/ link **








## CENTAUR™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>CENTAUR™ Power-Torque™ 10s crankset</b>	170, 172.5, 175 mm 39-52, 39-53, 34-50 black&red deep black	forged aluminium cranks - chainrings with MPS™ (Micro Precision Shifting) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	738
	<b>CENTAUR™ Power-Torque™ Carbon 10s crankset</b>	165, 170, 172.5, 175 mm 39-52, 39-53, 34-50 black&red deep black	full-carbon unidirectional-multidirectional cranks - chainrings with MPS™ (Micro Precision Shifting) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	644
	<b>RECORD™ Power-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	72
	<b>Power-Torque™ OS-Fit™ integrated cups</b>	BB30 Ø 42, BB30 Ø 46, 86,5x41	aluminium - integrated cups for oversize shells BB30 and 86,5x41	50
	<b>CENTAUR™ brakes</b>	black&red deep black	brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - brake pads orbital adjustment - front and rear dual-pivot brake - forged arms - special pad compound	310
	<b>RECORD™ cable guide plate</b>		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5







\* Average weight - it refers to the lighter specification among the available options.

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

# ATHENA™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>ATHENA™ 11s rear derailleur</b>	deep black bright silver	upper to lower pulley-axle: 55 mm - aluminium outer plate - parallelogram with 11s geometry - die-cast aluminium upper body - lightened special rubber pulleys	209
	<b>ATHENA™ STD + CT™ 11s front derailleur</b>	braze-on / clip-on: Ø 32, 35 mm deep black bright silver	for double standard and CT™ crankset - capacity 16 – max. chainring 55 - min. chainring 34 - chrome-plated nickel fork - antifriction insert	92
	<b>ATHENA™ POWER-SHIFT™ 11s Ergopower™ shifters</b>	deep black bright silver	for caliper brakes - composite body - brake lever in aluminium - Power-Shift mechanism - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	372
	<b>ATHENA™ POWER-SHIFT™ 11s Alu-Carbon Ergopower™ shifters</b>	deep black bright silver	for caliper brakes - composite body - carbon brake lever with aluminium core - Power-Shift mechanism - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	372
	<b>CHORUS™ 11s sprockets</b>	11-23, 11-25, 12-25, 12-27, 12-29	steel - nickel-chromed finish - light alloy supports for the final two triplets - 11s timing - 11s tooth machining - 11s light alloy locking, thread 27x1	230
	<b>CHORUS™ 11s chain</b>		width 5,5 mm - Ni-PTFE Finish - 114 links - requires Ultra-Link™ for 11s chain - 11s outer link - new material for outer link	2,24/ link **
	<b>ATHENA™ Power-Torque™ 11s crankset</b>	170, 172.5, 175 mm 39-52, 39-53 deep black bright silver	forged aluminum cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with silver anodization - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	736








## ATHENA™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>ATHENA™ Power-Torque™ 11s crankset</b>	170, 172.5, 175 mm 34-50 deep black bright silver	forged aluminum cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with silver anodization - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	740
	<b>ATHENA™ Power-Torque™ Carbon 11s crankset</b>	165, 170, 172.5, 175 mm 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	644
	<b>ATHENA™ Power-Torque™ CT™ Carbon 11s crankset</b>	165, 170, 172.5, 175 mm 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups	640
	<b>Power-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	72
	<b>Power-Torque™ OS-Fit™ integrated cups</b>	BB30 Ø 42, BB30 Ø 46, 86,5x41	aluminium - integrated cups for oversize shells BB30 and 86,5x41	50
	<b>ATHENA™ Skeleton™ brakes</b>	deep black bright silver	brake-pad height adjustment ratio:40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - brake pads orbital adjustment - lightened rear brake - skeletonized arms - special pad compound - optional: front and rear dual-pivot brake (331 g)	306
	<b>RECORD™ cable guide plate</b>		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5






\* Average weight - it refers to the lighter specification among the available options.

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

# CHORUS™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>CHORUS™ 11s rear derailleur</b>		upper to lower pulley-axle: 55 mm - composite outer plate - parallelogram with 11s geometry - black anodized forged aluminium upper body - lightened special rubber pulleys	186
	<b>CHORUS™ STD + CT™ 11s front derailleur</b>	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	76
	<b>CHORUS™ ULTRA-SHIFT™ 11s Ergopower™ shifters</b>		for caliper brakes - composite body and levers - ball bearings - Ultra-Shift™ geometry - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	337
	<b>CHORUS™ 11s sprockets</b>	11-23, 11-25, 12-25, 12-27, 12-29	steel - nickel-chromed finish - light alloy supports for the final two triplets - 11s timing - 11s tooth machining - 11s light alloy locking, thread 27x1	230
	<b>CHORUS™ 11s chain</b>		width 5,5 mm - Ni-PTFE Finish - 114 links - requires Ultra-Link™ for 11s chain - 11s outer link	2,24/ link **
	<b>CHORUS™ Ultra-Torque™ Carbon 11s crankset</b>	170, 172.5, 175 mm 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axes - requires ULTRA-TORQUE™ BB cups	667
	<b>CHORUS™ Ultra-Torque™ CT™ Carbon 11s crankset</b>	170, 172.5, 175 mm 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts and nuts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axes - requires ULTRA-TORQUE™ BB cups	667










## CHORUS™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>Ultra-Torque™ Carbon 11s crankset</b>	165 mm 39-52, 39-53, 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axes - requires ULTRA-TORQUE™ BB cups	667
	<b>RECORD™ Ultra-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	46
	<b>Ultra-Torque™ OS-Fit™ integrated cups</b>	BB30 Ø 42, BB30 Ø 46, 86,5x41, BB right Ø 51	aluminium - integrated cups for oversize shells BB30 and 86,5x41, BB right Ø 51	29
	<b>CHORUS™ Skeleton™ brakes</b>		brake-pad height adjustment ratio:40-50 mm (measured from brake fixing-bolt to brake-shoe-nut) - brake pads orbital adjustment - lightened rear brake - skeletonized arms - special pad compound - optional: front and rear dual-pivot brake (319 g)	299
	<b>RECORD™ water-bottle carrier</b>		monocoque carbon, supplied with water-bottle	18
	<b>RECORD™ cable guide plate</b>		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5










\* Average weight - it refers to the lighter specification among the available options.

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

# RECORD™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>RECORD™ 11s rear derailleur</b>		upper to lower pulley-axle: 55 mm - composite outer plate - parallelogram with 11s geometry - black anodized forged aluminium upper and lower body - metal-carbon cage - lightened special rubber pulleys - pulley movement with ceramic ball bushings	172
	<b>RECORD™ STD + CT™ 11s front derailleur</b>	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 - antifriction treatment	74
	<b>RECORD™ ULTRA-SHIFT™ 11s Ergopower™ shifters</b>		for caliper brakes - composite body and levers – ball bearings - Ultra-Shift™ geometry - ergonomic brake lever with high fulcrum - closer brake lever - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	337
	<b>RECORD™ front hub</b>		32 holes - light alloy oversize axle and body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 100 mm - Symmetric Action™ lever on the release	116
	<b>RECORD™ rear hub</b>		32 holes - 9s/10s/11s - light alloy body, axle and one-piece freewheel body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 130 mm - Symmetric Action™ lever on the release	231
	<b>RECORD™ 11s sprockets</b>	11-23, 11-25, 12-25, 12-27, 12-29	8 steel and 3 titanium - nickel-chromed finish for steel sprockets - light alloy supports for the final two triplets - 11s timing - 11s tooth machining - 11s light alloy locking, thread 27x1	201
	<b>RECORD™ 11s chain</b>		width 5,5 mm - Ni-PTFE Finish - 114 links - requires Ultra-Link™ for 11s chain - lightened links - hollow pins - 11s outer link	2,10/ link **
	<b>RECORD™ Ultra-Torque™ Carbon 11s crankset</b>	170, 172.5, 175, 177.5, 180 mm, 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - USB™ bearings (Ultra Smooth Bearings) - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	627
	<b>RECORD™ Ultra-Torque™ CT™ Carbon 11s crankset</b>	170, 172.5, 175 mm 34-50	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts and nuts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - USB™ bearings (Ultra Smooth Bearings) - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	627









## RECORD™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>Ultra-Torque™ Carbon 11s crankset</b>	165 mm 39-52, 39-53, 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axes - requires ULTRA-TORQUE™ BB cups	667
	<b>RECORD™ Ultra-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	46
	<b>Ultra-Torque™ OS-Fit™ integrated cups</b>	BB30 Ø 42, BB30 Ø 46, 86,5x41, BB right Ø 51	aluminium - integrated cups for oversize shells BB30 and 86,5x41, BB right Ø 51	29
	<b>RECORD™ Pro-Fit Plus™ pedals</b>		Titanium axle -light alloy body - with floating (standard) or fixed (optional) cleats - composite axle fixing nuts - polished aluminium finish - broad support base - release adjustment display - sealed cartridge axle	266
	<b>RECORD™ Skeleton™ brakes</b>		brake-pad height adjustment ratio: 40÷50 mm (measured from brake fixing-bolt to brake-shoe-nut) - ball bearings - light alloy hardware - brake pads orbital adjustment - lightened rear brake - skeletonized arms - special pad compound - optional: front and rear dual-pivot brake (303 g)	278
	<b>RECORD™ headset</b>		BC 1"x24tpi - height 36.5 mm - light alloy with steel inserts - cup and cone system	104
	<b>RECORD™ Threadless™ headset</b>		1" - for unthreaded fork tube - height 24.5 mm - composite cover and light alloy fixing screw - lubrication port - cup and cone system - patented centering system	110
	<b>RECORD™ Hiddenset™ headset</b>	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 - cup and cone system	73
	<b>RECORD™ water-bottle carrier</b>		monocoque carbon, supplied with water-bottle	18
	<b>RECORD™ cable guide plate</b>		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5








\* Average weight - it refers to the lighter specification among the available options.

\*\* Example: 2,12 x 108 links = 229 g






# SUPER RECORD™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>SUPER RECORD™ 11s rear derailleur</b>		upper to lower pulley-axle: 55 mm - composite outer plate - Titanium hanger and pivot bolt - parallelogram with 11s geometry - carbon fiber upper and lower body - metal-carbon cage - lightened special rubber pulleys - bottom pulley with ceramic bearings	155
	<b>SUPER RECORD™ STD + CT™ 11s front derailleur</b>	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 11s fork - titanium bolts - antifriction treatment	72
	<b>SUPER RECORD™ ULTRA-SHIFT™ 11s Ergopower™ shifters</b>		for caliper brakes - composite body – ball bearings - lightened carbon brake lever - internal mechanism parts in titanium - Ultra-Shift™ geometry - ergonomic brake lever with high fulcrum - brake opening control integrated with the brake lever - insert for large hands - Vari-Cushion™ silicone hoods - No-Bulge™ housing path - minimum friction housings - front derailleur micro-adjustment possibility - multiple shifting	330
	<b>RECORD™ front hub</b>		32 holes - light alloy oversize axle and body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 100 mm - Symmetric Action™ lever on the release	116
	<b>RECORD™ rear hub</b>		32 holes - 9s/10s/11s - light alloy body, axle and one-piece freewheel body – adjustable bearings – quick-release with aluminium lock nuts - O.L.D. 130 mm - Symmetric Action™ lever on the release	231
	<b>SUPER RECORD™ 11s sprockets</b>	11-23, 11-25, 12-25, 12-27, 12-29	5 steel and 6 titanium - nickel-chromed finish for steel sprockets - light alloy carrier - light alloy supports for the final two triplets - 11s timing - 11s tooth machining - 11s light alloy locking, thread 27x1	177
	<b>RECORD™ 11s chain</b>		width 5,5 mm - Ni-PTFE Finish - 114 links - requires Ultra-Link™ for 11s chain - lightened links - hollow pins - 11s outer link	2,10/ link **
	<b>SUPER RECORD™ Ultra-Torque™ Titanium 11s crankset</b>	170, 172.5, 175, 177.5, 180 mm, 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axes in titanium - requires Super Record ULTRA-TORQUE™ BB cups	585

## SUPER RECORD™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>SUPER RECORD™ Ultra-Torque™ Carbon 11s crankset</b>	170, 172.5, 175, 177.5, 180 mm, 39-52, 39-53	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axes - requires Super Record ULTRA-TORQUE™ BB cups	625
	<b>SUPER RECORD™ Ultra-Torque™ CT™ Titanium 11s crankset</b>	170, 172.5, 175 mm 34-50	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axes in titanium - requires Super Record ULTRA-TORQUE™ BB cups	584
	<b>SUPER RECORD™ Ultra-Torque™ CT™ Carbon 11s crankset</b>	170, 172.5, 175 mm 34-50	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axes - requires Super Record ULTRA-TORQUE™ BB cups	625
	<b>Ultra-Torque™ Carbon 11s crankset</b>	165 mm 39-52, 39-53, 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axes - requires ULTRA-TORQUE™ BB cups	667
	<b>SUPER RECORD™ Ultra-Torque™ BB outboard cups</b>	ITA, ENG	aluminium	45
	<b>Ultra-Torque™ OS-Fit™ integrated cups</b>	BB30 Ø 42, BB30 Ø 46, 86,5x41, BB right Ø 51	aluminium - integrated cups for oversize shells BB30 and 86,5x41, BB right Ø 51	29
	<b>RECORD™ Pro-Fit Plus™ pedals</b>		Titanium axle - light alloy body - with floating (standard) or fixed (optional) cleats - composite axle fixing nuts - polished aluminium finish - broad support base - release adjustment display - sealed cartridge axle	266











## SUPER RECORD™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>SUPER RECORD™ Skeleton™ brakes</b>		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 - skeletonized arms - special pad compound - optional: front and rear dual-pivot brake (297 g)	272
	<b>RECORD™ headset</b>		BC 1"x24tpi - height 36.5 mm - light alloy with steel inserts - cup and cone system	104
	<b>RECORD™ Threadless™ headset</b>		1" - for unthreaded fork tube - height 24.5 mm - composite cover and light alloy fixing screw - lubrication port - cup and cone system - patented centering system	110
	<b>RECORD™ Hiddenset™ headset</b>	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 - cup and cone system	73
	<b>RECORD™ water-bottle carrier</b>		monocoque carbon, supplied with water-bottle	18
	<b>RECORD™ cable guide plate</b>		to fit under bottom bracket shell - composite, suitable to oversize shells - technopolymer with PTFE	5

\* Average weight - it refers to the lighter specification among the available options.







\*\* Example: 2,12 x 108 links = 229 g

## TT/TRIATHLON 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>Bar-end 11s controls CARBON</b>		technopolymer body - carbon fibre levers - Back to Zero position - adjustable initial position - Multi-shifting System™ - micrometric adjustment of the front derailleur - with Campagnolo 11s drivetrain compatible	155
	<b>Bar-end 11s controls</b>		technopolymer body - aluminium levers - Back to Zero position - adjustable initial position - Multi-shifting System™ - micrometric adjustment of the front derailleur - with Campagnolo 11s drivetrain compatible	167
	<b>Bar-end 10s controls</b>		technopolymer body - aluminium levers - Back to Zero position - Adjustable initial position - Multi-shifting System™ - micrometric adjustment of the front derailleur - with Campagnolo 10s drivetrain compatible	167
	<b>Bar-end brake levers CARBON</b>		technopolymer body - carbon fibre levers - aerodynamic profile - ergonomic profile for the levers - quick-release system	86
	<b>Bar-end brake levers</b>		technopolymer body - levers in aluminium - aerodynamic profile - ergonomic profile for the levers - Quick-release system	106
	<b>SUPER RECORD™ Ultra-Torque™ Titanium 11s crankset</b>	170, 172.5, 175 mm, 42-54, 42-55	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axles in titanium - requires Super Record ULTRA-TORQUE™ BB cups	675
	<b>SUPER RECORD™ Ultra-Torque™ Carbon 11s crankset</b>	170, 172.5, 175 mm, 42-54, 42-55	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - CULT™ bearings (Ceramic Ultimate Level Technology) - integrated ULTRA-TORQUE™ semi-axles - requires Super Record ULTRA-TORQUE™ BB cups	715
	<b>RECORD™ Ultra-Torque™ Carbon 11s crankset</b>	170, 172.5, 175 mm, 42-54, 42-55	full-carbon unidirectional-multidirectional cranks - hollow cranks (Ultra-Hollow™ Structure) - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - USB™ bearings (Ultra Smooth Bearings) - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	718
	<b>CHORUS™ Ultra-Torque™ Carbon 11s crankset</b>	170, 172.5, 175 mm, 42-54, 42-55	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts - light alloy chainrings with XPSS™ (eXtreme Performance Shifting System) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated ULTRA-TORQUE™ semi-axles - requires ULTRA-TORQUE™ BB cups	757
	<b>GHIBLI 9s sprockets (for Campagnolo 11s drivetrains)</b>	11-21, 11-23	Steel gears with 2 dedicated 11/21 and 11/23 combinations optimised for Campagnolo 11-speed drivetrains. 11/21: 11 - 12 - 13 - 14 - 15 - 16 - 17/19/21 11/23: 11 - 12 - 13 - 14 - 15 - 17/19 - 21/23	166









\* Average weight - it refers to the lighter specification among the available options.

## CYCLOCROSS COMPONENTS 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>CX Power-Torque™ 11s crankset</b>	170, 172.5, 175 mm 36-46, 34-50	forged aluminum cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with CART™ (Cyclecross Advanced Racing Technology) - chainrings with silver anodization - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups - specially-designed double-lip seal for CX	728
	<b>CX Power-Torque™ CARBON 11s crankset</b>	170, 172.5, 175 mm 36-46, 34-50	full-carbon unidirectional-multidirectional cranks - light alloy fixing bolts and nuts - light alloy chainrings - chainrings with CART™ (Cyclecross Advanced Racing Technology) - chainrings with hard anodization treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups - specially-designed double-lip seal for CX	628
	<b>CX Power-Torque™ 10s crankset</b>	170, 172.5, 175 mm 36-46, 34-50	forged aluminium cranks - chainrings with CART™ (Cyclecross Advanced Racing Technology) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups - specially-designed double-lip seal for CX	731
	<b>CX Power-Torque™ CARBON 10s crankset</b>	170, 172.5, 175 mm 36-46, 34-50	full-carbon unidirectional-multidirectional cranks - chainrings with CART™ (Cyclecross Advanced Racing Technology) - light-alloy sheared-drawn chainrings with antifriction treatment - 8 pins on the large chainring - integrated POWER-TORQUE™ axle - requires POWER-TORQUE™ BB cups - specially-designed double-lip seal for CX	629
	<b>CX Power-Torque™ BB outboard cups</b>	ITA, ENG	aluminium with specially-designed double-lip seal for CX	72
	<b>CX Cantilever brakes</b>	bright silver deep black	forged arms - alloy small parts - brake-pad height adjustment ratio: 20÷35 mm - adjustment of the distance between pads, possibility to use tires of width 19-35 mm, rims of width 19-22 mm - possibility of adjusting the tension of the cables	138

\* Average weight - it refers to the lighter specification among the available options.

## PISTA™ 2012

	COMPONENT	OPTIONS	FEATURES	WEIGHT (G.)*
	<b>RECORD™ PISTA™ front hub</b>	32, 36 holes	light alloy body – lubrication port - small flanges - O.L.D. 100 mm	204
	<b>RECORD™ PISTA™ rear hub</b>	32, 36 holes	light alloy body – lubrication port - small flanges - O.L.D. 120 mm	284
	<b>RECORD™ PISTA™ crankset</b>	165, 170 mm 47, 48, 49, 50, 51, 52	requires b.b. L. 111 mm (asymmetrical)	592
	<b>RECORD™ PISTA™ bottom bracket</b>	ITA, ENG	axle L. 111 mm (asymmetrical) - composite and light alloy cartridge - light alloy cups - without sealings	220
	<b>RECORD™ Pro-Fit Plus™ pedals</b>		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
	<b>RECORD™ headset</b>		BC 1"x24tpi - height 36.5 mm - light alloy with steel inserts - cup and cone system	104
	<b>RECORD™ Threadless™ headset</b>		1" - for unthreaded fork tube - height 24.5 mm - composite cover and light alloy fixing screw - lubrication port - cup and cone system - patented centering system	110
	<b>RECORD™ Hiddenset™ headset</b>	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 - cup and cone system	73

\* Average weight - it refers to the lighter specification among the available options.