

*Campagnolo*<sup>®</sup>



**1994 PRODUCT RANGE  
TECHNICAL SPECIFICATIONS**



# GROUPS - TECHNICAL SPECIFICATIONS

GR-04RE		RECORD GROUP 94
REAR DERAILLEUR RD-21RE	8-speed - maximum chainring 26 teeth - total capacity 26 teeth	bodies and connecting rods forged in light alloy - new rollers including top roller with side play
FRONT DERAILLEUR FD-11SRE FD-11FRE	capacity: 14 teeth - maximum chainring 56 teeth braze-on clip-on Ø 28,6 mm	calibrated fork - high torsional rigidity
CRANKSET FC-11RE	crank lengths mm 170-172,5-175--180 chainrings: 39X52 39X53 41X52 41X53 42X52 42X53 distance between centres 135 mm - chain line 44 mm with 111 mm axle	crank in forged light alloy with fibre continuity - incorporated extractor - timed aluminium alloy chainrings with a special tooth profile to aid derailment under stress going uphill
BOTTOM BRACKET BB-01RE BB-03RE  BB-11RE CART BB-13RE CART	traditional, It. 36x24 tpi traditional, BC 1,370x24 tpi axle 111 mm, symmetrical cartridge, It. 36x24 tpi cartridge, BC 1,370x24 tpi axle 111 mm, symmetrical	balls 7/32" - aluminium cups with tracks in hardened steel - ground axle  double seal - assembly cups in aluminium alloy - Triple Bearing System - twin bearings RH side - two 0-rings
ERGOPOWER EC-22RE CG	8-speed indexed shifting lever - multi-position front derailleur control, also suitable for triple chainrings - progressive action brake control with quick release. Normal or flat adjustment blocks in aluminium	carbonfibre body - levers in polished anodized light alloy ball-bearing movement - silicone rubberdamper - fast permanent release
SHIFTING LEVERS SL-01SRE CG	8-speed indexed shifting lever with adjuster - adjustable friction-type front derailleur control - M5 screw	anodized light alloy levers - sinterized insert
BRAKE LEVERS BL-02RE CG	symmetrical control - internal cables - quick release	anodized aluminium lever - light alloy body - fast cable replacement
BRAKES BR-04RE	caliper - dual pivot - height 39+50 mm	levers and bodies in anodized forged aluminium knuckles on stainless steel ball-bearings
FRONT HUB HB-00RE	spoke holes: 32-36, over lock dimensions 100 mm - centre bore Ø 38.5 mm - hole for fast lubrication - dust seals - braked lock nut	light alloy forged body - ground cups and cones - rolled bored axle
FREEHUB FH-00RE	spoke holes: 32-36, over lock dimensions 130 mm - centre bore Ø 44 mm chain line 42 (43 with spacer) - Campagnolo 8-speed cassette	light alloy forged body - ground cups and cones - rolled bored axle - 3 pawl freewheel mechanism - freewheel supported by 2 radial bearings
FREEHUB SUPER RECORD FH-01SR	spoke holes: 32-36, O.L.D. 130 mm - centre bore Ø 44 mm chain line 42 (43 with spacer) - Campagnolo 8-speed cassette freewheel body in light alloy	light alloy forged body - ground cups and cones - rolled bored axle - 3 pawl freewheel mechanism - freewheel supported by 2 radial bearing
SPROCKETS CS-18RE	in the following combinations: 12/19 12/21 12/23 13/21 13/23 13/26 14/26	special steel - Ni-Cr treatment - sprockets with special tooth profile design to aid shifting under stress
SPROCKETS SUPER RECORD CS-8SR	first sprockets 12, 13 or 14 t., other sprockets in positions 2,3,4,5,6,7,8 with 13 to 23 teeth	first sprockets in steel, all the others in light alloy - periodic profiles for rapid shifting
CHAIN CN-01RE	1/2"x3/32" narrow 8-speed - 116 links	super smooth links - riveted pentagonal pin
HEAD SET HS-01OR	thread BC 1"x24tpi - overall height 41.5 mm (bottom 15.0 + 26.5 top)	Selform system - lubrication without disassembly - selected 3/16" balls
PEDALS PD-22REQR PD-02RE	quick release - thread 9/16"x20 tpi - length 14 mm traditional with S-M-L toe clip - Triple Bearing System	adjustable inspectionable cartridge - adjustable grip tension - double diagonal bearings
SEAT POST SP-RE	length 180 mm Ø 25-26-27-27,2 mm	stem and brackets forged in light alloy
PLATE AI-00CD	for beneath bottom bracket shell	QPQ treatment (anti-wear with low friction coefficient)

# GROUPS - TECHNICAL SPECIFICATIONS

## GR-04CH

## CHORUS GROUP 94

<b>REAR DERAILLEUR</b> <b>RD-11CH</b>	8-speed - maximum chainring 26 teeth - total capacity 26 teeth	light alloy bodies and connecting rods - new rollers including top roller with side play
<b>FRONT DERAILLEUR</b> <b>FD-11SCH</b> <b>FD-01FCH</b> <b>FD-02FCH</b>	capacity: 14 teeth - maximum chainring 56 teeth braze-on clip-on Ø 28,6 mm adjustable clip-on Ø 29+33 mm	light alloy body and connecting rods calibrated fork high lateral rigidity
<b>CRANKSET</b> <b>FC-01CH</b>	crank lengths mm 170-172,5-175 chainrings: 39X52 39X53 41X52 41X53 42X53 distance between centres 135 mm - chain line 44 mm with 111 mm axle	crank in forged light alloy with fibre continuity - incorporated extractor timed aluminium alloy chainrings with a special tooth profile to aid derailment under stress going uphill
<b>BOTTOM BRACKET</b> <b>BB-01CH</b> <b>BB-03CH</b>  <b>BB-11RECART</b> <b>BB-13RECART</b>	traditional, It. 36x24 tpi traditional, BC 1,370x24 tpi axle 111 mm, symmetrical cartridge, It. 36x24 tpi cartridge, BC 1,370x24 tpi axle 111 mm, symmetrical	balls 1/4" - hardened steel cups - ground axle double seal  assembly cups in aluminium alloy - Triple Bearing System - twin bearings RH side - two 0-rings
<b>ERGOPOWER</b> <b>EC-12RE CG</b>	8-speed indexed shifting lever - multi-position front derailleur control, also suitable for triple chainrings - progressive action brake control with quick release. Normal or flat adjustment blocks in aluminium	techno-plastic body - levers in polished and anodized light alloy - movement on bushings - silicon rubber damper - fast permanent release
<b>SHIFTING LEVERS</b> <b>SL-01SRE CG</b>	8-speed indexed shifting lever with adjuster - adjustable friction-type front derailleur control - M5 screw	anodized light alloy levers - sinterized insert
<b>BRAKE LEVERS</b> <b>BL-02RE CG</b>	symmetrical control - internal cables - quick release	anodized aluminium lever - light alloy body - fast cable replacement
<b>BRAKES</b> <b>BR-02CH</b>	caliper - dual pivot - height 39+50 mm	levers and bodies in forged anodized aluminium
<b>FRONT HUB</b> <b>HB-00CH</b>	spoke holes: 32-36, over lock dimensions 100 mm - centre bore Ø 38.5 mm - hole for fast lubrication - rotary seals - braked lock nut	light alloy forged body - ground cones - rolled bored axle
<b>FREEHUB</b> <b>FH-00CH</b>	spoke holes: 32-36, over lock dimensions 130 mm - centre bore Ø 44 mm chain line 42 (43 with spacer) - Campagnolo 8-speed cassette	light alloy forged body - ground cups and cones - rolled bored axle - 3 pawl freewheel mechanism - freewheel supported by 2 radial bearings
<b>SPROCKETS</b> <b>CS-8RE</b>	in the following combinations: 12/19 12/21 12/23 13/21 13/23 13/26 14/26	special steel - Ni-Cr treatment sprockets with special tooth profile design to aid shifting
<b>CHAIN</b> <b>CN-CA68S</b>	1/2"x3/32" narrow 8-speed - 116 links	super smooth links - riveted pentagonal pin
<b>HEAD SET</b> <b>HS-01CO</b>	thread BC 1"x24tpi - overall height 41,6 mm (bottom 15.0 + 26.6 top)	Selform system - selected 3/16" balls
<b>PEDALS</b> <b>PD22CHQR</b>	quick release - thread 9/16"x20 tpi length 12 mm	adjustable grip tension - double bearings
<b>SEAT POST</b> <b>SP-CH</b>	l. 180 mm Ø 25-25,4-26-26,4-26,6-26,8-27-27,2mm	brackets forged in light alloy
<b>PLATE</b> <b>AI-00CD</b>	for beneath bottom bracket shell	QPQ treatment (anti-wear with low friction coefficient)

# GROUPS - TECHNICAL SPECIFICATIONS

GR-04AT		ATHENA GROUP 94
<b>REAR DERAILLEUR</b> RD-21AT	8-speed - maximum chainring: 28 teeth - total capacity 26 teeth	light alloy bodies and connecting rods - new rollers including top roller with side play
<b>FRONT DERAILLEUR</b> FD-11SCH FD-01FCH FD-02FCH	capacity: 14 teeth - maximum chainring: 56 teeth braze-on clip-on Ø 28,6 mm adjustable clip-on Ø 29÷33 mm	body and connecting rods in light alloy - calibrated fork - high lateral rigidity
<b>CRANKSET</b> FC-11AT	crank lengths mm 170-172,5-175 chainrings: 39X52 39X53 41X52 41X53 42X52 42X53 distance between centres 135 mm - chain line 44 mm with 111 mm axle	crank in forged light alloy with fibre continuity - timed aluminium alloy chainrings with a special tooth profile to aid derailment under stress going uphill - retaining screw with incorporated cap
<b>BOTTOM BRACKET</b> BB-01AT BB-03AT  BB-01CART BB-03CART	traditional, It. 36x24 tpi traditional, BC 1,370x24 tpi axle 111 mm, symmetrical cartridge, It. 36x24 tpi cartridge, BC 1,370x24 tpi axle 111 mm, symmetrical	balls 1/4" - hardened steel cups - ground axle  sealed - assembly cups in aluminium - special fixing washers
<b>ERGOPOWER</b> EC-02AT CG	8-speed indexed shifting lever - multi-position front derailleur control, also suitable for triple chainrings - progressive action brake control with quick release. Normal or flat adjustment blocks in techno-plastic	techno-plastic body - levers in polished and anodized light alloy - movement on bushings - natural rubber damper - fast permanent release
<b>SHIFTING LEVERS</b> SL-01SRE CG	8-speed indexed shifting lever with adjuster - adjustable friction-type front derailleur control - M5 screw	anodized light alloy levers - sinterized insert
<b>BRAKE LEVERS</b> BL-02RE CG	symmetrical control - internal cables - quick release	anodized aluminium lever fast cable replacement
<b>BRAKES</b> BR-12AT	caliper - side pull - height 41÷52,5 mm	levers and bodies in forged anodized aluminium
<b>FRONT HUB</b> HB-10AT	spoke holes: 32-36, over lock dimensions 100 mm - centre bore Ø 38.5 mm - rotary seals - braked lock nut	light alloy forged body - ground cones - rolled bored axle
<b>FREEHUB</b> FH-10AT	spoke holes: 32-36, over lock dimensions 130 mm - centre bore Ø 44 mm chain line 42 (43 with spacer) Campagnolo 8-speed cassette	light alloy forged body - ground cups and cones - rolled bored axle - 3 pawl freewheel mechanism - freewheel supported by 2 radial bearings
<b>SPROCKETS</b> CS-18RE	in the following combinations: 12/19 12/21 12/23 13/21 13/23 13/26 14/26	special steel - Ni-Cr treatment - sprockets with special tooth profile design to aid shifting under stress
<b>CHAIN</b> CN-01AT	1/2"x3/32" narrow 8-speed - 114 links	burnished links
<b>HEADSET</b> HS-01AT	thread BC 1"x24tpi - overall height 41,1 mm (bottom 15.6 + 25,5 top)	Selform system - selected 3/16" balls
<b>PEDALS</b> PD-22ATQR	quick release - thread 9/16"x20 tpi - length 12 mm	adjustable grip tension
<b>SEAT POST</b> SP-AT	length 180 mm Ø 25-25,4-26,2-26,4-26,6-26,8-27-27,2 mm	light alloy forged brackets
<b>PLATE</b> AI-02CD	for beneath bottom bracket shell	QPQ treatment (anti-wear with low friction coefficient)



# GROUPS - TECHNICAL SPECIFICATIONS

GR-04VL		VELOCE GROUP 94
<b>REAR DERAILLEUR</b> RD-11VL	8-speed - maximum chainring 28 teeth - total capacity 26 teeth	light alloy bodies and connecting rods - new rollers including top roller with side play
<b>FRONT DERAILLEUR</b> FD-11SVL FD-11FVL FD-02FVL FD-03FVL	capacity: 14 teeth - maximum chainring 56 teeth braze-on clip-on Ø 28,6 mm adjustable clip-on Ø 29÷33 mm clip 35÷36 mm	body and connecting rods in light alloy - calibrated fork - high lateral rigidity
<b>CRANKSET</b> FC-01VL	crank lengths mm 170-172,5 inner chainring: 39-42 outer chainring: 52-53 distance between centres 135 mm - chain line 44 mm with 111 mm axle	crank in light alloy - aluminium alloy chainrings - retaining screw with incorporated cap
<b>BOTTOM BRACKET</b> BB-11VL BB-13VL	cartridge, axle 111 mm, symmetrical Italian thread 36x24 tpi BC thread 1,370x24 tpi	sealed -aluminium cups
<b>ERGOPOWER</b> EC-12VL CG	8-speed indexed shifting lever - multi-position front derailleur control, also suitable for triple chainrings - progressive action brake control with quick release. Normal or flat adjustment blocks in techno-plastic	techno-plastic body - light alloy brake lever - movement on bushes - natural rubber damper - fast permanent release
<b>SHIFTING LEVERS</b> SL-01SVL CG	8-speed indexed shifting lever - adjustable friction-type front derailleur control - M5 screw	painted light alloy levers - sinterized insert
<b>BRAKE LEVERS</b> BL-02VL CG	symmetrical control - internal cables - quick release	aluminium lever - fast cable replacement
<b>BRAKES</b> BR-02VL	caliper - side pull - height 39÷51 mm	- levers in forged aluminium - wheel guide incorporated in shoe - shoes with new compositions for better performance wet
<b>FRONT HUB</b> HB-00VL	spoke holes: 32-36, over lock dimensions 100 mm - centre bore Ø 38.5 mm - rotary seals - braked lock nut	light alloy forged body - rolled cones - rolled bored axle
<b>FREEHUB</b> FH-00VL	spoke holes: 32-36, over lock dimensions 130 mm - centre bore Ø 44 mm chain line 42 (43 with spacer) - Campagnolo 8-speed cassette	light alloy forged body - ground cones - rolled bored axle - 3 pawl freewheel mechanism - free-wheel supported by 2 radial bearings
<b>SPROCKETS</b> CS-8VL	in the following combinations: 12/13/14/15/17/19/21/23 13/14/15/16/17/19/21/23 13/14/15/17/19/21/23/26 14/15/16/17/19/21/23/26	special steel - nickel-plated - periodic profiles for rapid shifting
<b>CHAIN</b> CN-01AT	1/2"x3/32" narrow 8-speed - 114 links	burnished links
<b>HEADSET</b> HS-11VL	thread BC 1"x24tpi - overall height 33 mm (bottom 11.5 + 21.5 top)	light alloy counter-nut - 3/16" balls
<b>PEDALS</b> PD-12VLQR	quick release - thread 9/16"x20 tpi - length 12 mm	adjustable grip tension
<b>PLATE</b> AI-02CD	for beneath bottom bracket shell	QPQ treatment (anti-wear with low friction coefficient)

# GROUPS - TECHNICAL SPECIFICATIONS

GR-04ST STRATOS GROUP 94		
REAR DERAILLEUR RD-01ST	8-speed - max. chainring 28 teeth - tot. capacity 26 teeth	light alloy bodies and connecting rods - new rollers including top roller with side play
FRONT DERAILLEUR FD-01SST FD-01FST FD-02FST	capacity: 14 teeth - maximum chainring 56 teeth braze-on clip-on Ø 28,6 mm adjustable clip-on Ø 29+33 mm	body in light alloy - calibrated fork - high lateral rigidity
CRANKSET FC-01ST	crank lengths mm 170-172,5 chainring: inner 39-42 outer: 52-53 distance between centres 135 mm - chain line 44 mm with 111 mm axle	crank in light alloy - retaining screw with incorporated cap
BOTTOM BRACKET BB-01ST BB-03ST	cartridge, axle 111 mm, symmetrical Italian thread 36x24 tpi thread BC 1,370x24 tpi	
ERGOPOWER EC-02ST CG	8-speed indexed shifting lever - multi-position front derailleur control, also suitable for triple chainrings - progressive action brake control with quick release. Normal or flat adjustment blocks in techno-plastic	techno-plastic body - light alloy brake lever - movement on bushes - natural rubber damper - fast permanent release
SHIFTING LEVERS SL-01SST CG	8-speed indexed shifting lever - adjustable friction-M5 screw	light alloy levers - sinterized insert
BRAKE LEVERS BL-02ST CG	symmetrical control - internal cables - quick release	aluminium lever - fast cable replacement
BRAKES BR-02ST	caliper - side pull - height 39+51 mm	levers in forged aluminium - wheel guide incorporated in shoe shoes with new compositions for better performance wet
FRONT HUB HB-00ST	spoke holes: 32-36, over lock dimensions 100 mm - braked lock nut	light alloy forged body - rolled cones - rolled bored axle
FREEHUB FH-00S	spoke holes: 32-36, over lock dimensions 130 mm - chain line 42 (43 with spacer) - Campagnolo 8-speed cassette	light alloy forged body - ground cones - rolled bored axle - 3 pawl freewheel mechanism - free-wheel supported by 2 radial bearings
SPROCKETS CS-8VL	in the following combinations: 13/14/16/18/20/22/25/28 12/13/14/15/17/19/21/23 13/14/15/16/17/19/21/23 13/14/15/17/19/21/23/26 14/15/16/17/19/21/23/26	special steel - nickel-plated - periodic profiles for rapid shifting
CHAIN CN-01AT	1/2"x3/32" narrow 8-speed - 114 links	burnished links
HEADSET HS-01ST	thread BC 1"x24tpi	light alloy - 3/16" balls
PEDALS PD-12STQR	quick release - thread 9/16"x20 tpi - length 12 mm	
PLATE AI-02CD	for beneath bottom bracket shell	

# GROUPS - TECHNICAL SPECIFICATIONS

GR-04OR		RECORD O.R. GROUP 94
<b>REAR DERAILLEUR</b> <b>RD-21OR</b>  <b>RD-22OR</b>	8-speed short cage - max. chainring 30 teeth - tot. capacity 30 teeth medium cage - max. sprocket 32 teeth - tot. capacity 36 teeth	light alloy bodies and connecting rods - new rollers including top roller with side play
<b>FRONT DERAILLEUR</b> <b>FD-01FOR</b> <b>FD-02FOR</b> <b>FD-03FOR</b> <b>o versione TOP-PULL</b> <b>FD-01TPOR</b> <b>FD-02TPOR</b> <b>FD-03TPOR</b>	capacity: 22 teeth - maximum sprocket 48 teeth clip-on Ø 28,6 mm adjustable clip-on Ø 28,6+33 mm adjustable clip-on 35+36 mm  clip-on Ø 28,6 mm adjustable clip-on Ø 28,6+33 mm adjustable clip-on 35+36 mm	calibrated fork - high torsional rigidity - traditional cable pull  calibrated fork - high torsional rigidity - cable pull from above
<b>CRANKSET</b> <b>FC-01CSOR</b>	crank lengths mm 170 - 175 chainrings: inner 20-22 mid.: 30-32 outer: 42-44 chain line 46 mm with 111 mm axle	Compact Drive - crank in forged light alloy with fibre continuity - incorporated extractor - outer chainring in aluminium alloy, distance between centres 110 mm - mid and inner chainrings in treated steel with new tooth profile to aid derailment - fast chainring replacement with cassette
<b>BOTTOM BRACKET</b> <b>BB-11RECAR</b> <b>BB-13RECAR</b>	axle 111 mm, symmetrical cartridge, It. 36x24 tpi cartridge, BC 1,370x24 tpi	double seal - assembly cups in aluminium alloy - Triple Bearing System - twin bearings RH side - two 0-rings
<b>BULLET SHIFTERS</b> <b>BS-02IC CG</b>	8-speed shifter, indexed - multi-position front derailleur control - bend I.D. 15+20,5 mm	sinterized insert - triple positioning spring - adjustable shift force
<b>THUMB-SHIFTERS LEVERS</b> <b>SL-02TB CG</b>	8-speed indexed shifting lever with adjuster - multi-position front derailleur control - bend I.D. 22,2 mm	light alloy levers - sinterized insert - fast lubrication
<b>BRAKE LEVERS</b> <b>BL-02OR CG</b> <b>BL-02ORTB CG</b>	integrated with Bullet independent with Thumb-shifter	anodized aluminium lever - light alloy body - fast cable replacement - adjustable lever distance from handlebar - cable tension adjustable
<b>BRAKES</b> <b>BR-02CLTDIC</b>	cantilever - spring tension adjuster - adjustable axial free play	levers in anodized aluminium - low profile - high friction coefficient shoes
<b>FRONT HUB</b> <b>HB-10OR</b>	spoke holes: 32-36, over lock dimensions 100 mm - centre bore Ø 38.5 mm - hole for fast lubrication - rotary seals - braked lock nut in light alloy	light alloy forged body - ground cups and cones - rolled bored axle
<b>FREEHUB</b> <b>FH-00OR</b>	spoke holes: 32-36, over lock dimensions 135 mm - centre bore Ø 44 mm chain line 43.5 (44.5 with spacer) - Campagnolo 8-speed cassette	light alloy forged body - ground cups and cones - rolled bored axle - 3 pawl freewheel mechanism - freewheel supported by 2 radial bearings
<b>SPROCKETS</b> <b>CS-18RE</b>	in the following combinations: 12/19 12/21 12/23 13/21 13/23 13/26 14/26	special steel - Ni-Cr treatment - sprockets with special tooth profile design to aid shifting under stress
<b>CHAIN</b> <b>CN-01RE</b>	1/2"x3/32" narrow 8-speed - 116 links	super smooth links - riveted pentagonal pin
<b>HEADSET</b> <b>HS-01OR</b> <b>HS-03OR</b> <b>HS-04OR</b>	BC 1"x24tpi - overall height 41.5 mm (b. 15.0 + 26.5 top) BC 1 1/8"x26tpi - overall height 36.0 mm (b. 13.0+23.0 top) BC 1 1/4"x26tpi - overall height 40.5 mm (b.13.0+ 27.5 top)	Selform system - lubrication without disassembly - selected 3/16" balls
<b>PEDALS</b> <b>PD-02IC</b>	traditional	polished, anodized body - light alloy cage
<b>SEATPOST</b> <b>SP-IC</b>	length 325 mm Ø 25,4-26,6-26,8-27-27,2-28,6-29,4-29,8-30-31,6 mm	head and brackets forged in light alloy - from Ø 27 stem in CrMo
<b>PLATE</b> <b>AI-00CD</b>	for beneath bottom bracket shell	QPQ treatment (anti-wear with low friction coefficient)



# GROUPS - TECHNICAL SPECIFICATIONS

## GR-00REPI

## RECORD TRACK GROUP 94

FRONT DERAILLEUR HB-00PI	spoke holes: 32-36, over lock dimensions 100 mm, big flanges	light alloy forged body; rolled bored axle; ground cups and cones
REAR DERAILLEUR RH-00PI	spoke holes: 32-36, over lock dimensions 120 mm, big flanges, thread BSC	light alloy forged body; rolled bored axle; ground cups and cones
CRANKSET FC-01PI	crank lengths: 165 mm; chainrings (3 mm in thickness): 47-48-49-50-51-52 teeth; distance between centres 144 mm	crank in forged light alloy with fibre continuity; chainrings in treated light aluminium alloy
BOTTOM BRACKET BB-01RE BB-03RE  BB-11RECART BB-13RECART	traditional, It. 36x24 tpi traditional, BC 1,370x24 tpi axle 111 mm, symmetrical cartridge, It. 36x24 tpi cartridge, BC 1,370x24 tpi	balls 7/32" - aluminium cups with tracks in hardened steel - ground axle  double seal - assembly cups in aluminium alloy - Triple Bearing System - twin bearings RH side - two O-rings
PEDALS PD-02RE	traditional with S-M-L toe clip; Triple Bearing System	light alloy forged body; demountable hard anodized cages; ground cups and cones
SEAT POST SP-RE	length 180 mm Ø 25-26-27-27,2 mm	stem and brackets forged in light alloy
HEAD SET HS-03PI	thread BC 1"x24 tpi	ground cups and cones; aluminium alloy cups and locknut

## TANDEM COMPONENTS

CRANKSET FC-01TD	crank lengths: 170-175 mm chainrings: 26x36x46 - 26x36x48 - 28x38x48 - 30x40x50 - 30x42x52 - 32x42x52
BOTTOM BRACKET BB-01TD BB-03TD	traditional, It. 36x24 tpi traditional, BC 1,370x24 tpi
FRONT HUB HB-00TD	spoke holes: 40-48; over lock dimensions: 100 mm
FREEHUB FH-00TD	spoke holes: 40-48; over lock dimensions: 140 mm; with 8-speed cassette freewheel; predisposed for drum brake

## SPECIAL COMPONENTS

FC-01CO	Contax triple crankset; crank lengths: 170-175 mm; chainrings: 30x40x50 - 30x40x52 - 32x42x52
BB-01CO	Contax bottom bracket for Contax triple crankset, Italian thread
BB-03CO	Contax bottom bracket for Contax triple crankset, English thread
FD-01FCO	Contax clip-on front derailleur (ø 28,6 mm) for Contax triple crankset and Tandem crankset
FD-02FCO	Contax adjustable clip-on front derailleur (ø 29/33 mm) for Contax triple crankset and Tandem crankset
BL-02CXL CG	Road brake levers for cantilever brakes, with cables and casings
BR-02CLHP	HP cantilever brakes
SL-02BE CG	Bar-End shifting levers, 8-speed with cables and casings
HL-00TB	Campagnolo handgrip for off-road handlebars
1120006	Biothermal 500 water bottle with cage
1120005	Biodynamic 500 water bottle with cage
1120007	Biodynamic 900 water bottle with cage
SL-01SFR CG	Friction braze-on shifting levers with cables and casings
RH-00FL	Rear hub for 7 speed freewheel with ISO thread (1,375"x24 tpi); spoke holes: 32-36
0122003	Road fork ends
0506/00	Superlight Campagnolo "Servizio Corse" 7-speed narrow freewheel

# RIMS - TECHNICAL SPECIFICATIONS

Code	Pattern	Width	Drilling	Weight
TUBULAR TYRE RIMS				
PO091	SIGMA Hardox	22	32-36	335
PO111	SIGMA 20 Hardox	20	32-36	345
PO451	OMEGA "V" Hardox	19,5	32-36	395
PO171	OMEGA Hardox	20	32-36	395
PO211	LAMBDA Polished	20	32-36	395
CLINCHER TYRE RIMS				
PO172	OMEGA Hardox	20	32-36	430
PO682	OMEGA 19 Hardox 26"	19	32	350
PO562	OMEGA 19 Hardox	19	32-36	380
PO222	OMEGA "V" Hardox	20	32-36	440
PO712	OMEGA 19 Silver	19	32-36	380
PO212	LAMBDA Polished	20	32-36	430
PO232	LAMBDA Polished "V profile"	20	32-36	440
PO693	OMICRON Black	20	36	480
PO362	OMICRON Silver	20	36	480
PO272	OMICRON Polished	20	36	480
PO702	GAMMA Black	20	36	480
PO342	GAMMA Silver	20	36	480
PO282	GAMMA Polished	20	36	480
HYBRID/TOURING RIMS				
PO585	DEDRA Black	23	32-36	495
PO575	DEDRA Polished	23	32-36	495
OFF-ROAD RIMS				
PO594	STHENO Hardox	22	32-36	405
PO604	STHENO Polished	22	32-36	405
PO614	ATEK Hardox	20	32-36	390
PO624	ATEK Polished	20	32-36	390
PO634	MIROX Hardox	22	32-36	380
PO644	MIROX Polished	22	32-36	380
PO664	ZARK Black	21,9	32-36	405
PO654	ZARK Polished	21,9	32-36	405

N.B.: the weights of the rims do not include the eyelets.

# WHEELS - TECHNICAL SPECIFICATIONS

Code	Pattern	Width	O.L.D.	Weight
SHAMAL FOR TUBULAR TYRES				
RO226	Front road 26"	19	100	750
RO236	Front road 28"	19	100	790
RO628	Rear road 26"	19	130	1045
RO626	Rear road with freewheel body in light alloy 26"	19	130	990
RO638	Rear road 28"	19	130	1095
RO636	Rear road with freewheel body in light alloy 28"	19	130	1040
RO267	Front track 26"	19	100	830
RO277	Front track 28"	19	100	850
RO677	Rear track 28"	19	120	940
SHAMAL FOR CLINCHER TYRES				
RO246	Front road 26"	19	100	800
RO256	Front road 28"	19	100	860
RO648	Rear road 26"	19	130	1105
RO646	Rear road with freewheel body in light alloy 26"	19	130	1050
RO658	Rear road 28"	19	130	1165
RO656	Rear road with freewheel body in light alloy 28"	19	130	1110
VENTO FOR CLINCHER TYRES				
RO286	Front road 28"	19	100	930
RO686	Rear road 28"	19	130	1190
BORA FOR TUBULAR TYRES				
RO296	Front road 26"	20	100	660
RO306	Front road 28"	20	100	700
RO696	Rear road 26"	20	130	890
RO706	Rear road 28"	20	130	935
KHAMSIN				
RO102	Front road 26"	18	100	950
RO112	Front track 26"	18	100	950
RO604	Rear road/track, BC or It. thread 28"	18	126,5/120	1110
SCIROCCO				
RO215	Front road 26"	18	100	980
GHIBLI				
RO011	Front road 24"	18	100	740
RO021	Front road 26"	18	100	820
RO051	Front track 24"	18	100	740
RO071	Front track 26"	18	100	820
RO511	Rear road, BC or It. thread 28"	18	126,5	960
RO541	Rear track, BC or It. thread 28"	18	120	960

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