



## 1992 PRODUCT LINE

March 1991 Edition

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## Campagnolo 1992 Product Information

Our new product line has been defined utilising our experience and technology in projecting components which offer very high performances pursuing, moreover, the following targets:

1. Performance:  
Thanks to an integrated production of the driving train components we reached the maximum functioning in any use condition either for the road or for the OFF-ROAD components.
2. Weight reduction:  
All the components have been projected and developed reserving to the weight one of the biggest priorities without compromising reliability and safety.
3. Ergonomy:  
We reserved a total devotion to this factor to facilitate at the most the use of our components and to have the maximum yield as to performances of our new functioning conception.
4. Durability:  
We further increased, with the help of the new technology and treatments of the materials, the features of durability of the most important components.

## New Campagnolo Concept Systems

Relevant new concepts, working systems besides new high performance components named **H.P.** will be introduced in our '92 Product Range.

### A - Campagnolo **TSC System** (Total Shifting Control):

The new **ERGOPOWER** shifting levers allow to maintain a total control of the bike even during the shifting operations, perfectly indexed, thanks to the new Campagnolo 8 speed integrated drive train.

The **ERGOPOWER** shifting levers are optional for Record, Chorus RS and Athena RS groups. (Considering the foreseen sale volume, Campagnolo might not assure a complete availability for the ERGOPOWER shifting levers, inside the Athena RA group, especially at the beginning of the 91/92 season).

### B - Campagnolo **CD System** (Compact Drive):

A new generation of crank sets called **CC System** (Cassette Crankset) has been designed in order to obtain maximum weight reduction and excellent drive train working.

All **CD** components allow to obtain the following advantages:

1. Drive train excellent working
2. Weight reduction
3. Better efficiency of the 24 ratios available
4. Better symbiosis between the drive train components and frame design

### C - Campagnolo **CC System** includes, besides the new "Low Profile" design of crankset, an exclusive fixing concept of chainrings by the "cassette system". The cranksets with the **CC System** are coupled with the brand new cartridge bottom bracket unit with in board cup to the frame that offers the following advantages:

1. Easier assembling
2. Better wearing resistance
3. Weight reduction
4. Reduced maintenance



## 1992 GROUPS LINE

ROAD

**RECORD**

GR-00RE

**CHORUS RS**

GR-00CH

**ATHENA RS**

GR-00AT

OFF ROAD

**RECORD OR**

GR-00OR

**ICARUS**

GR-00IC

**CENTAUR VS**

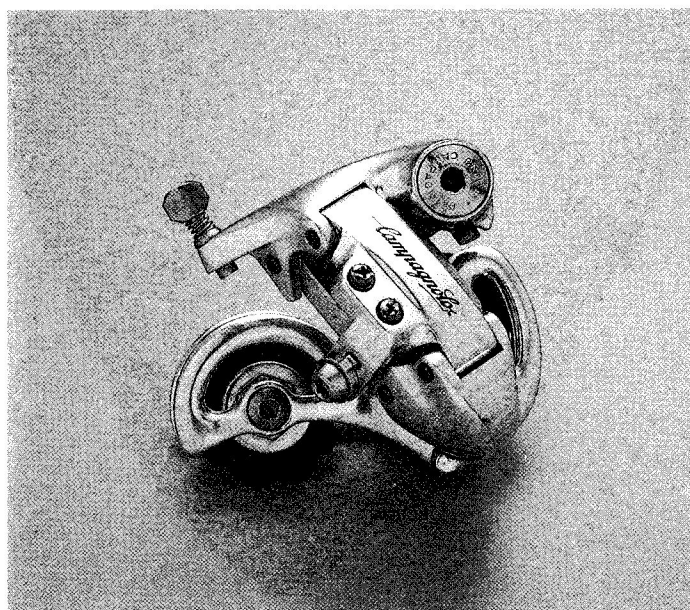
GR-00CE

All groups are standard equipped with  
Campagnolo 8 speed cassette freewheel

# **RECORD**

## GR-00RE

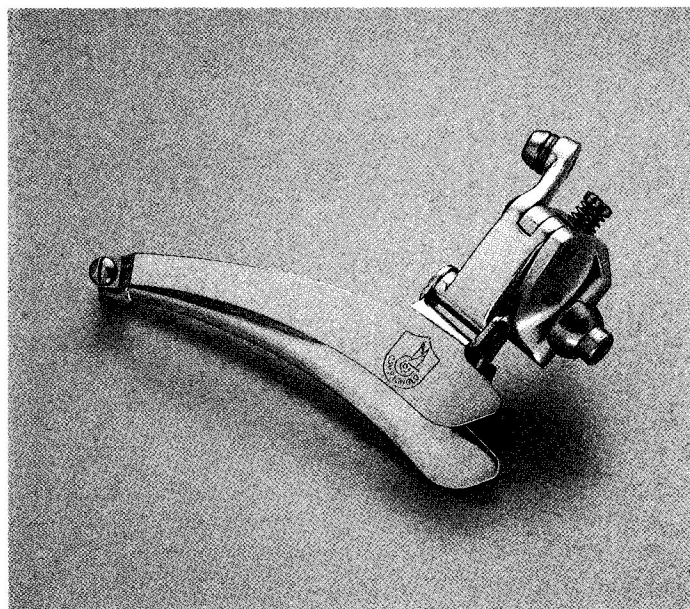




## REAR DERAILEUR

code **RD-01RE**

- maximum sprocket: 26
- capacity: 26
- 8 speed
- silent operation
- compact type

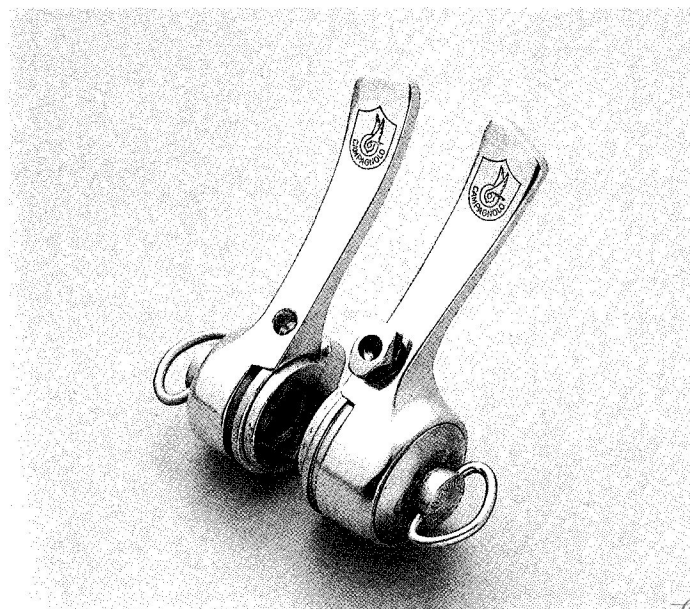


## FRONT DERAILEUR

code **FD-01SRE**: braze-on version

code **FD-01FRE**: clip-on version (Ø 28,6)

- capacity: 18



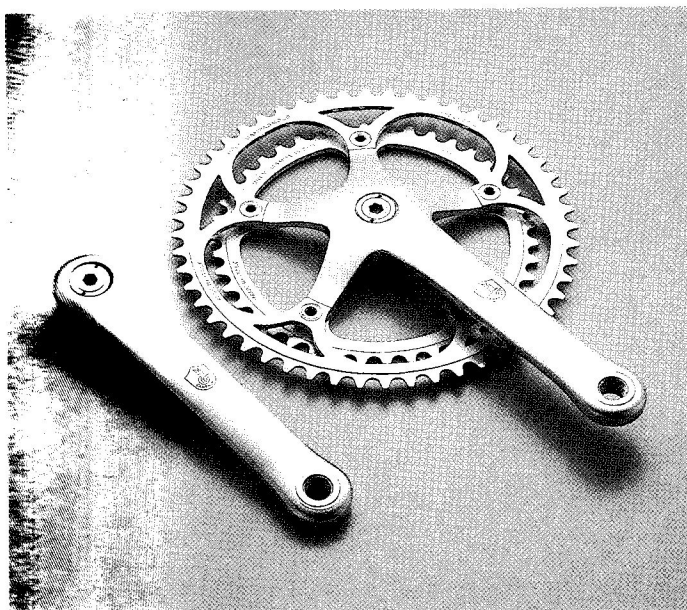
## SHIFTING LEVERS

code **SL-01SRE CG**: braze-on version

code **SL-01FRE CG**: clip-on version

- with indexed working only
- precision index shifting (no over-shift)
- incorporated cable adjuster for easy and immediate adjustment during operation

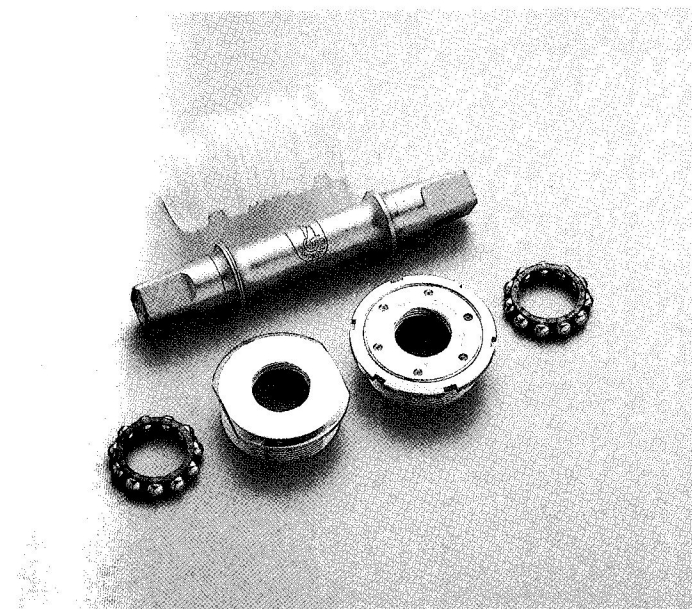




## CRANKSET

code **FC-01RE**

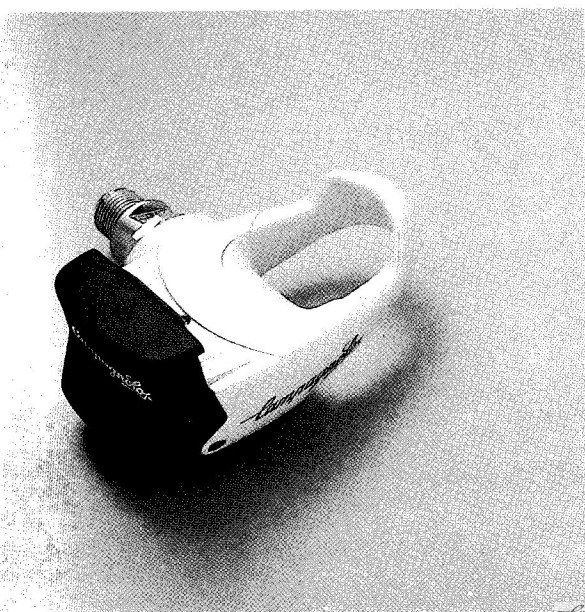
- crank length: 165-167,5-170-172,5-175- 177,5-180
- inner chainring: 39-40-41-42
- outer chainring: 52-53-54-55-56
- incorporated extractor



## BOTTOM BRACKET

code **BB-01RE**: italian- 36 x 24 TPI  
code **BB-03RE**: english- BC1,37 x 24 TPI

- axle length: 111 mm (symmetric type)
- light alloy cups
- balls  $\varnothing 7/32$ "



## PEDALS

code **PD-12RE QR**

- compact type - light weight
- free lateral movement:  $\pm 5^\circ$
- removable prefitted cartridge bearings
- adjustable grip tension





## **BRAKES**

code **BR-02RE**

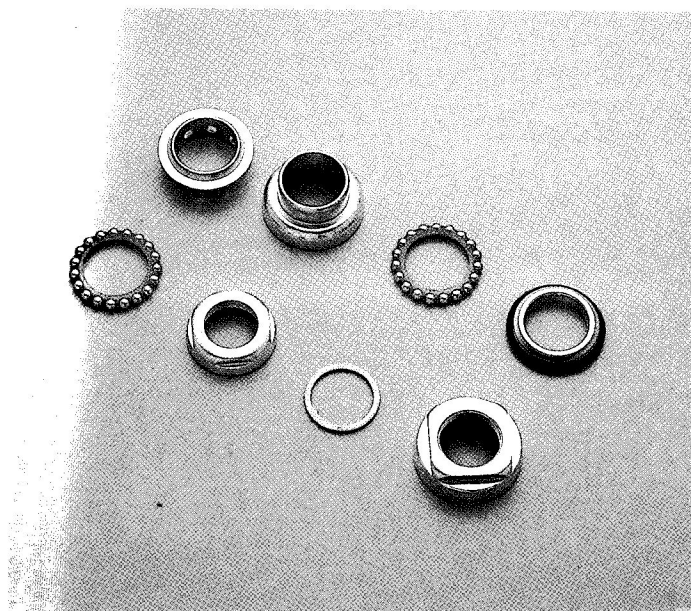
- Delta system
- New HP brake blocks: with exceptional braking performances in all climatic conditions



## **BRAKE LEVERS**

code **BL-02RE CG**

- exceptional braking modulation system
- inside straight pull cable system
- quick release opening system with automatic reset

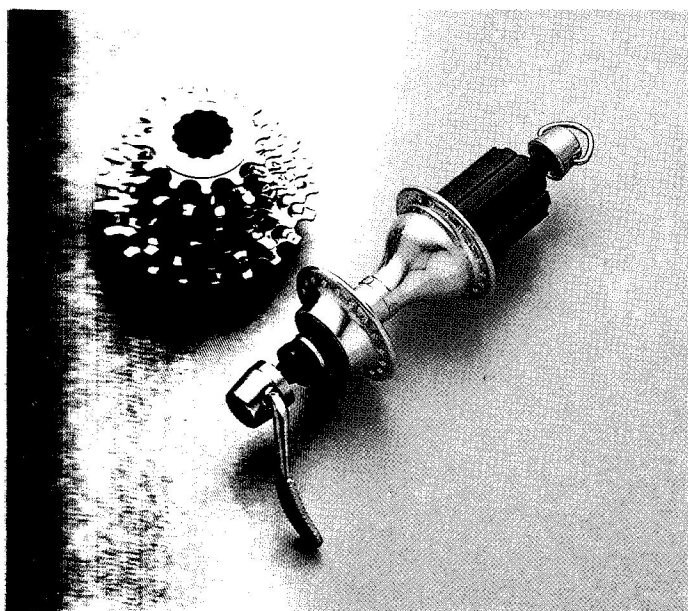


## **HEAD SET**

code **HS-01RE**: BC 1 x 24TPI

- lower cone with sealed mechanism and SELFFORM system





## HUBS

code **HB-00RE**: front hub

code **FH-00RE**: rear hub

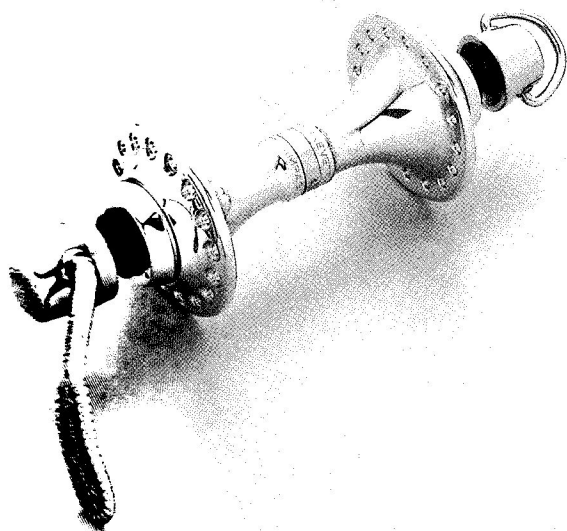
- over lock nut dimensions: front 100 mm  
rear 130 mm
- spoke holes: 28-32-36
- rear hub with 8 speed freebody
- sealed mechanism with dual lubricant system

## CASSETTE SPROCKETS

code **CS-8S**

- standard combinations:

11/12/13/14/15/16/17/18	13/14/15/16/17/18/19/21
11/12/13/14/15/17/19/21	13/14/15/16/17/19/21/23
11/12/13/15/17/19/21/23	13/14/15/17/19/21/23/26
12/13/14/15/16/17/18/19	13/14/16/18/20/23/26/30
12/13/14/15/16/17/19/21	13/14/16/18/21/24/28/32
12/13/14/15/17/19/21/23	14/15/16/17/18/20/22/24
12/13/14/16/18/21/24/28	



## SEAT PILLAR

code **SP-RE**

- outside Ø:  
length 180 mm: 25-26,2-26,4-26,6-26,8-27-27,2  
length 130mm: 25-26,8-27-27,2



## CHAIN

code **CN-CA68S**

- super narrow chain: 6,85 mm
- optimal flexibility: for quickest shifting and maximum precision
- exceptional performance under load



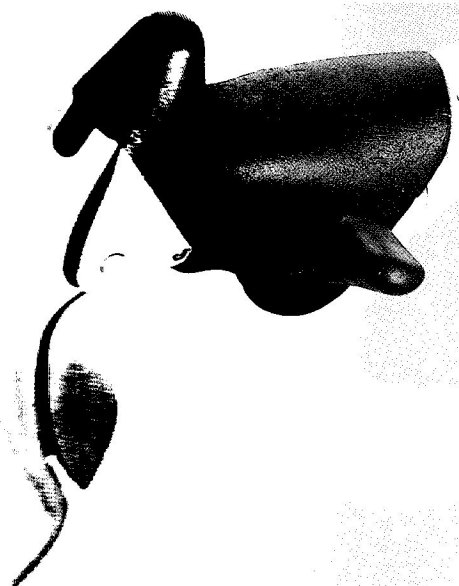
## OPTIONAL

## RECORD

### CONTROL LEVERS **ERGOPOWER**

code **EC-02RE**

Campagnolo **TSC** System: Total Shifting Control

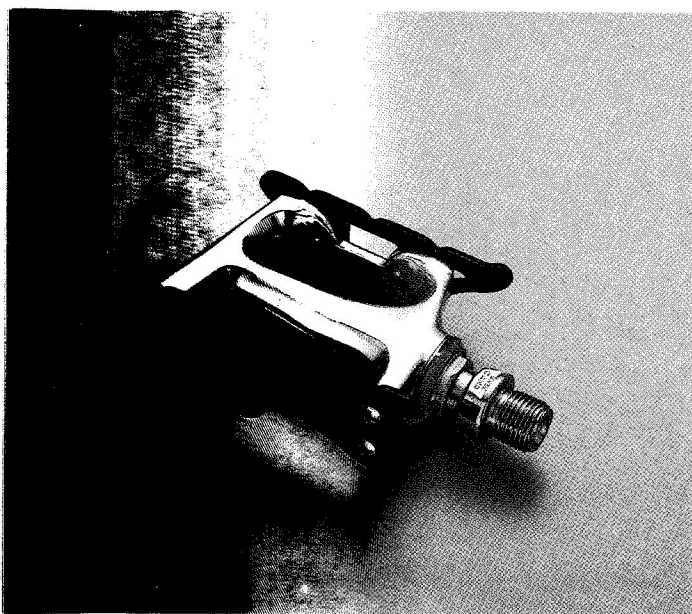


- index shifting levers incorporated in the brake levers for an easy and total control of the bike in all conditions of use
- ergonomics studied and accurate to the minute details
- precision index shifting (no over-shift)
- possibility to shift up to 8 decreasing gear in one operation
- *easy to assemble and maintain*

patent pending

### PEDALS

code **PD-02RE**

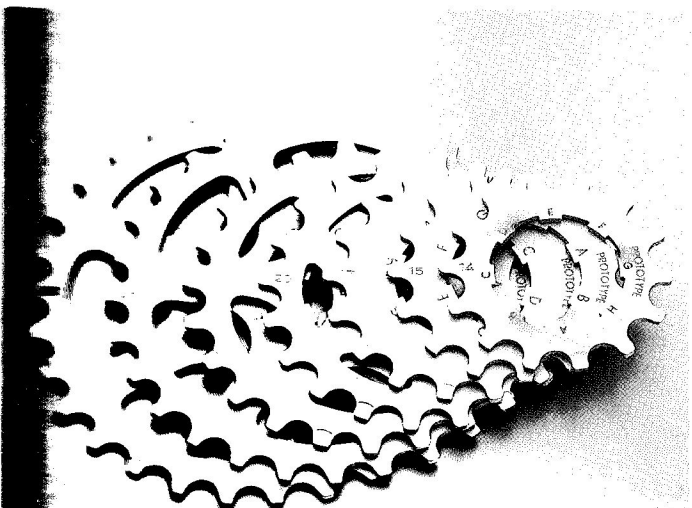


- TBS (Triple Bearing System): axle movement on triple bearing
- short axle type: compact and aerodynamic shape
- removable cage, hard anodized finishing
- aluminium or steel toe-clips in S, M and L size

### LIGHT ALLOY CASSETTE SPROCKETS

code **CS-8AL**

- available sprockets:  
13-14-15-16-17-18-19-20-21-22-23-24  
P.S.: these sprockets are interchangeable with steel sprockets except first position
- maximum reduction of weight (approximately 60% lighter than traditional steel cassette sprockets)

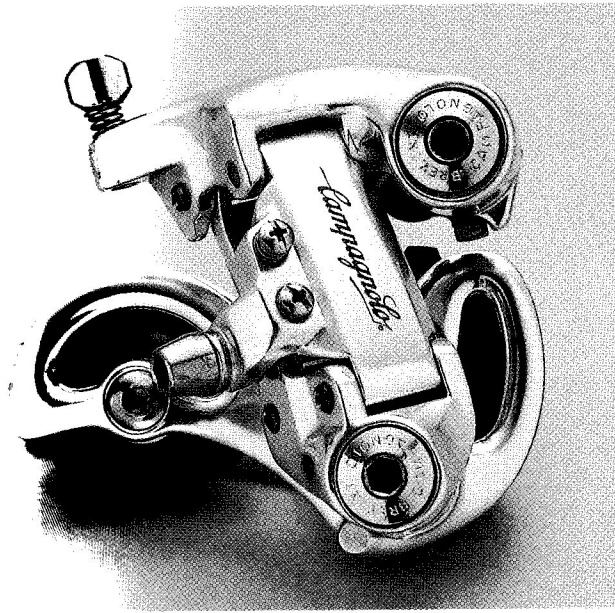


# CHORUS RS

## GR-00CH

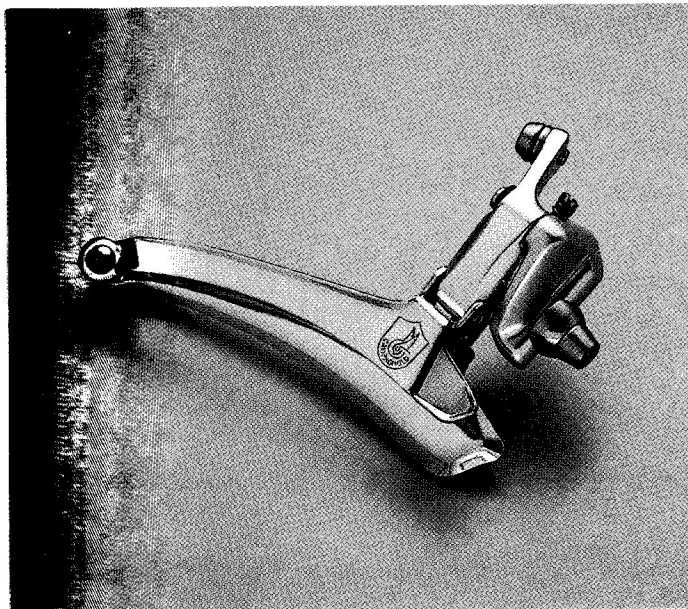


# CHORUS RS



## REAR DERAILEUR code RD-01CH

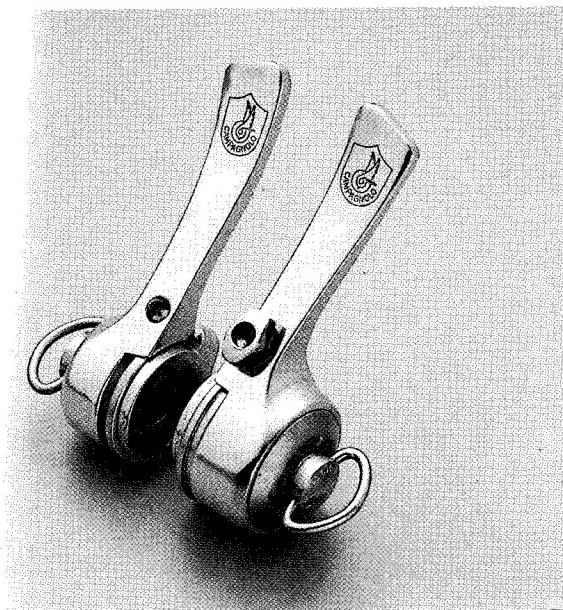
- maximum sprocket: 26
- capacity: 26
- 8 speed
- silent operation
- compact type



## FRONT DERAILEUR

code **FD-01SCH**: braze-on version  
code **FD-01FCH**: clip-on version (Ø 28,6)  
code **FD-02FCH**: adjustable clip-on version (Ø 29/33mm)

- capacity: 18



## SHIFTING LEVERS

code **SL-01SRE CG**: braze-on version  
code **SL-01FRE CG**: clip-on version

- with indexed working only
- precision index shifting (no over-shift)
- incorporated cable adjuster for easy and immediate adjustment during operation

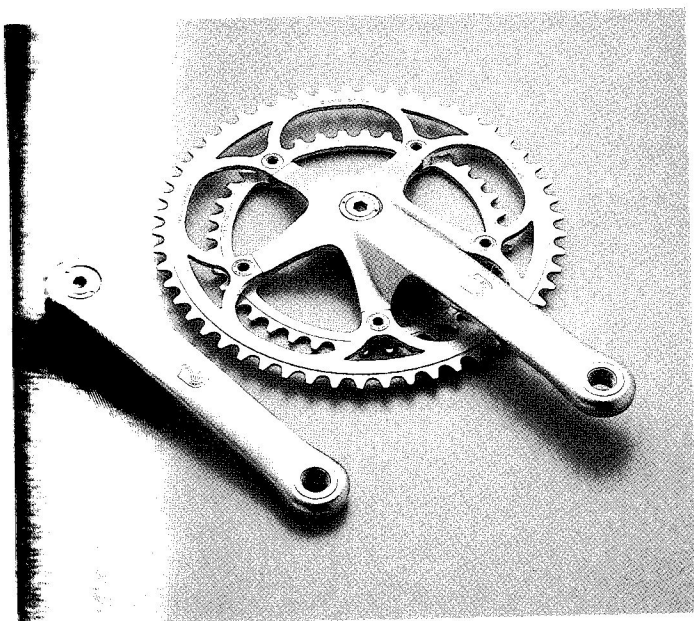


# CHORUS RS

## CRANKSET

code **FC-01CH**

- crank length: 170-172,5-175
- inner chainring: 39-40-41-42
- outer chainring: 52-53
- incorporated extractor

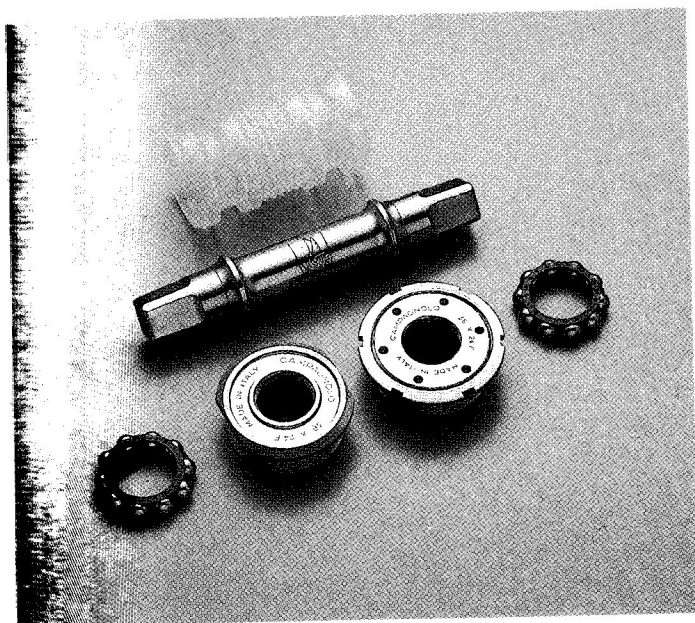


## BOTTOM BRACKET

code **BB-01CH**: italian- 36 x 24 TPI

code **BB-03CH**: english- BC1,37 x 24 TPI

- axle length: 111 mm (symmetric type)
- balls Ø 1/4"



## PEDALS

code **PD-12CH QR**

- compact type - light weight
- free lateral movement:  $\pm 5^\circ$
- adjustable grip tension





# CHORUS RS



## BRAKES

code **BR-02CH**

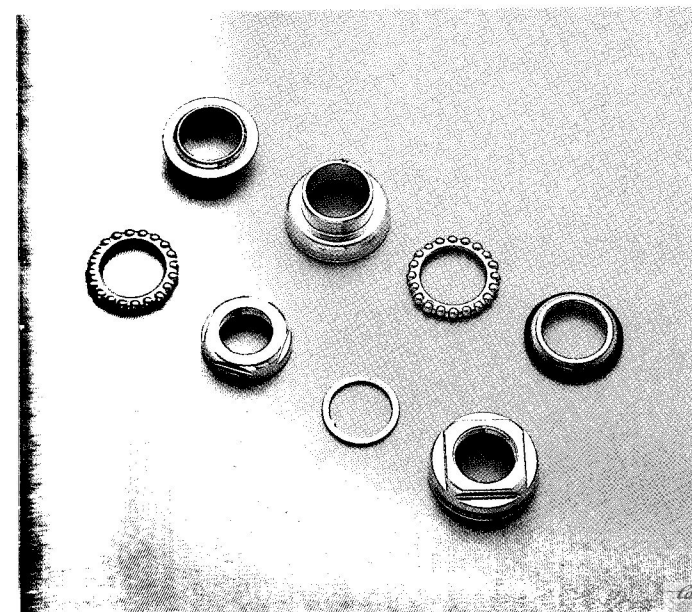
- Mono Planer System
- New HP brake blocks: with exceptional braking performances in all climatic conditions
- aerodynamic design
- light weight



## BRAKE LEVERS

code **BL-02RE CG**

- exceptional braking modulation system
- inside straight pull cable system
- quick release opening system with automatic reset



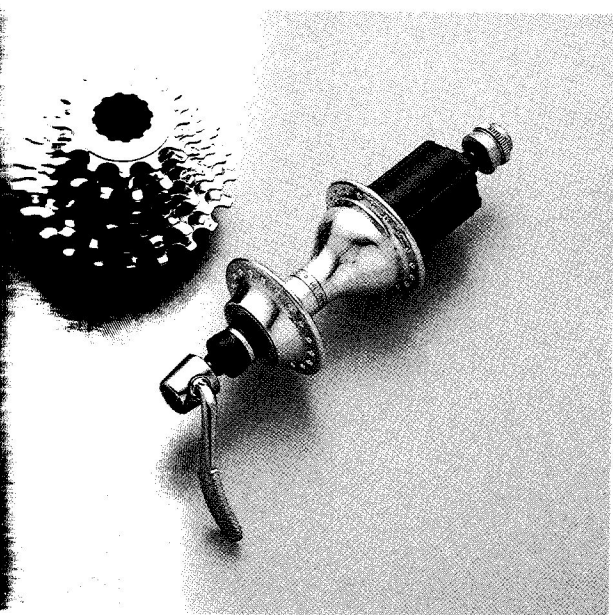
## HEAD SET

code **HS-01CH**: BC 1 x 24TPI

- lower cone with sealed mechanism and SELFORM system



# CHORUS RS



## HUBS

code **HB-00CH**: front hub

code **FH-00CH**: rear hub

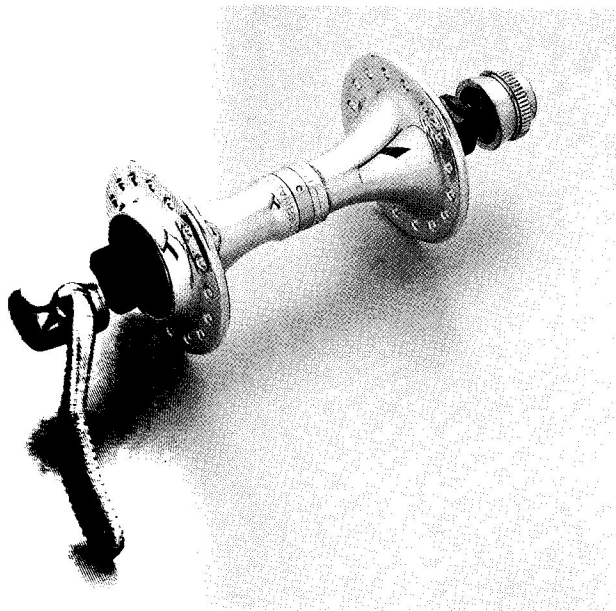
- over lock nut dimensions: front 100 mm  
rear 130 mm
- spoke holes: 32-36
- rear hub with 8 speed freebody
- sealed mechanism with dual lubricant system

## CASSETTE SPROCKETS

code **CS-8S**

- standard combinations:

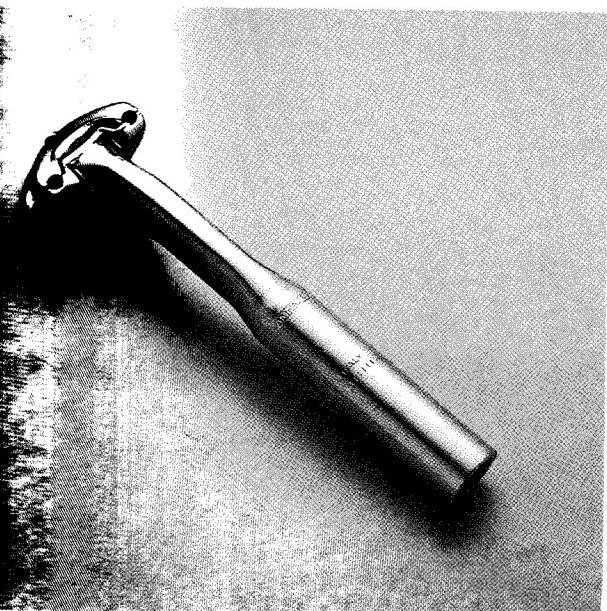
11/12/13/14/15/16/17/18	13/14/15/16/17/18/19/21
11/12/13/14/15/17/19/21	13/14/15/16/17/19/21/23
11/12/13/15/17/19/21/23	13/14/15/17/19/21/23/26
12/13/14/15/16/17/18/19	13/14/16/18/20/23/26/30
12/13/14/15/16/17/19/21	13/14/16/18/21/24/28/32
12/13/14/15/17/19/21/23	14/15/16/17/18/20/22/24
12/13/14/16/18/21/24/28	



## SEAT PILLAR

code **SP-CH**

- outside Ø: 25-26,2-26,4-26,6-26,8-27-27,2



## CHAIN

code **CN-CA68S**

- super narrow chain: 6,85 mm
- optimal flexibility: for quickest shifting and maximum precision
- exceptional performance under load



# OPTIONAL CHORUS RS



## CONTROL LEVERS **ERGOPOWER**

code **EC-02RE**

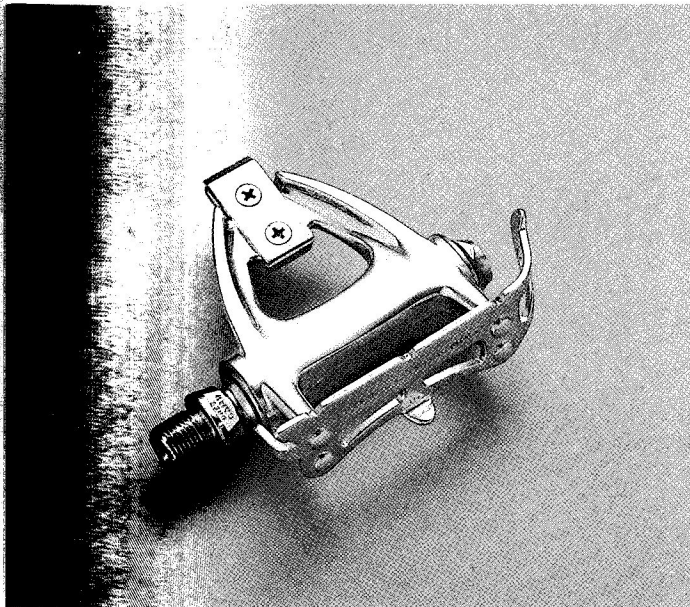
Campagnolo **TSC** System: Total Shifting Control

- index shifting levers incorporated in the brake levers for an easy and total control of the bike in all conditions of use
- ergonomics studied and accurate to the minute details
- precision index shifting (no over-shift)
- possibility to shift up to 8 decreasing gear in one operation
- easy to assemble and maintenance

patent pending

## PEDALS

code **PD-02CH**

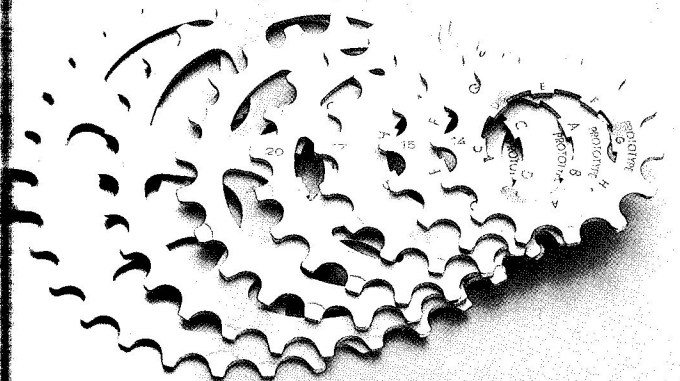


- aerodynamic design
- light weight
- adjustable toe-clips available in S, M and L size

## LIGHT ALLOY CASSETTE SPROCKETS

code **CS-8AL**

- available sprockets:  
13-14-15-16-17-18-19-20-21-22-23-24  
P.S.: this sprockets are interchangeable with steel sprockets except first position
- maximum reduction of weight (approximately 60% lighter than traditional steel cassette sprockets)

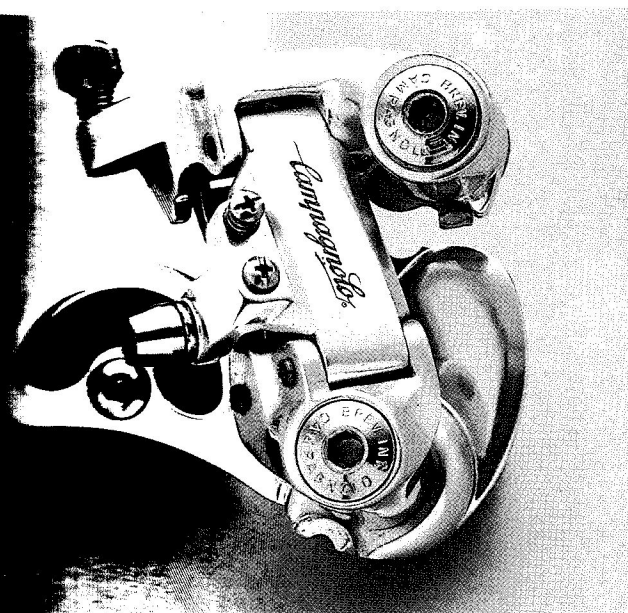


# **ATHENA RS**

## GR-00AT



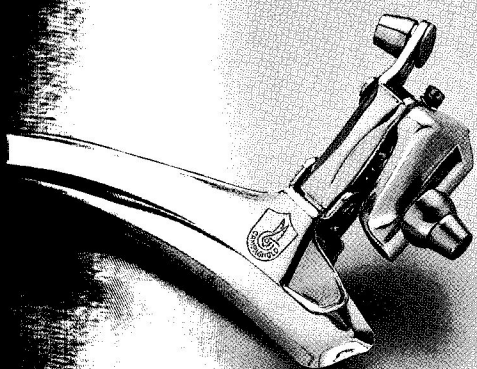
# ATHENA RS



## REAR DERAILEUR

code **RD-01AT**

- maximum sprocket: 26
- capacity: 26
- 8 speed
- silent operation
- compact type

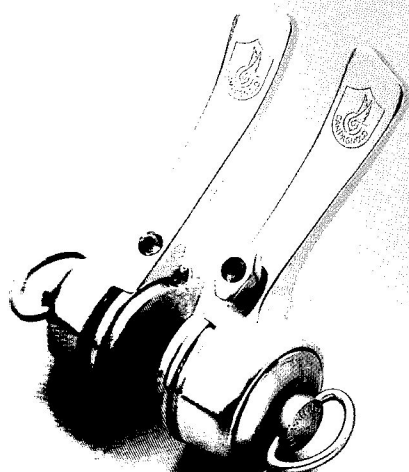


## FRONT DERAILEUR

code **FD-01SAT**: braze-on version

code **FD-01FAT**: clip-on version (Ø 28,6)

- capacity: 18



## SHIFTING LEVERS

code **SL-01SAT CG**: braze-on version

code **SL-01FAT CG**: clip-on version

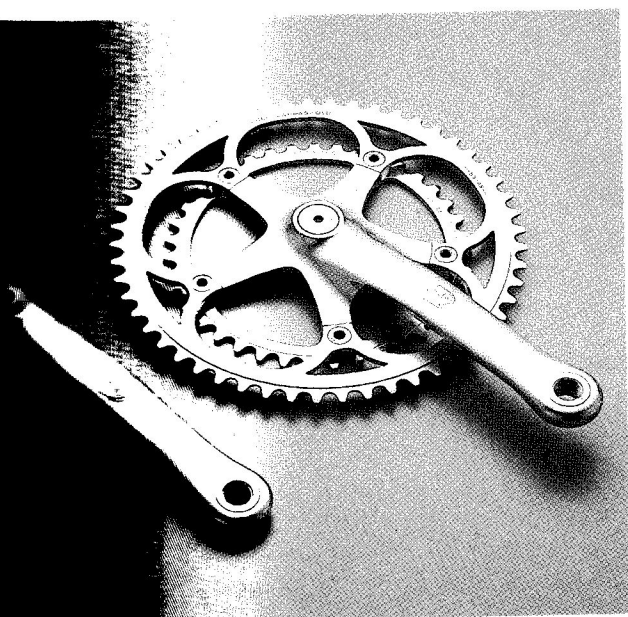
- with indexed working only
- precision index shifting (no over-shift)
- incorporated cable adjuster for easy and immediate adjustment during operation

# ATHENA RS

## CRANKSET

code **FC-01AT**

- crank length: 170-172,5-175
- inner chainring: 39-40-41-42
- outer chainring: 52-53

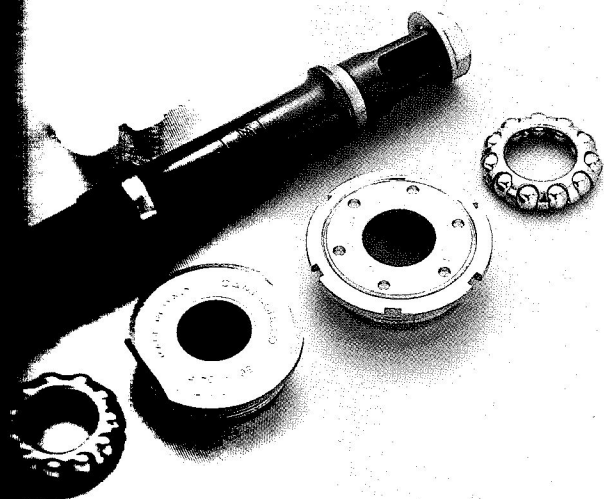


## BOTTOM BRACKET

code **BB-01AT**: italian- 36 x 24 TPI

code **BB-03AT**: english- BC1,37 x 24 TPI

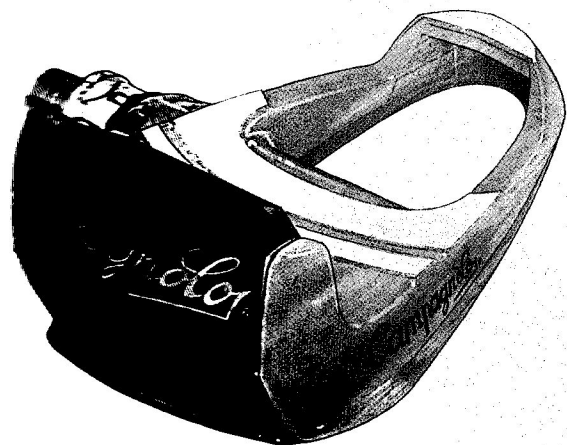
- axle length: 111 mm (symmetric type)
- balls Ø 1/4"



## PEDALS

code **PD-12AT QR**

- compact type - light weight
- free lateral movement:  $\pm 5^\circ$
- adjustable grip tension





# ATHENA RS



## BRAKES

code **BR-02AT**

- Caliper type
- New HP brake blocks: with exceptional braking performances in all climatic conditions



## BRAKE LEVERS

code **BL-02AT CG**

- exceptional braking modulation system
- inside straight pull cable system
- quick release opening system with automatic reseal

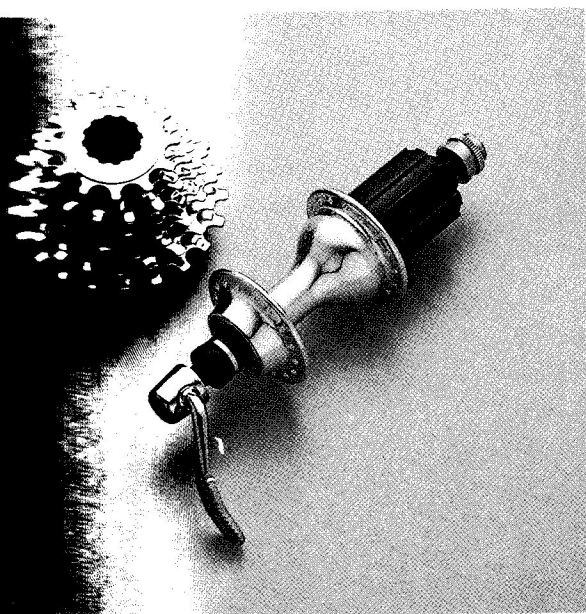


## HEAD SET

code **HS-01CH**: BC 1 x 24TPI

- lower cone with sealed mechanism and SELFORM system

# ATHENA RS



## HUBS

code **HB-00AT**: front hub

code **FH-00AT**: rear hub

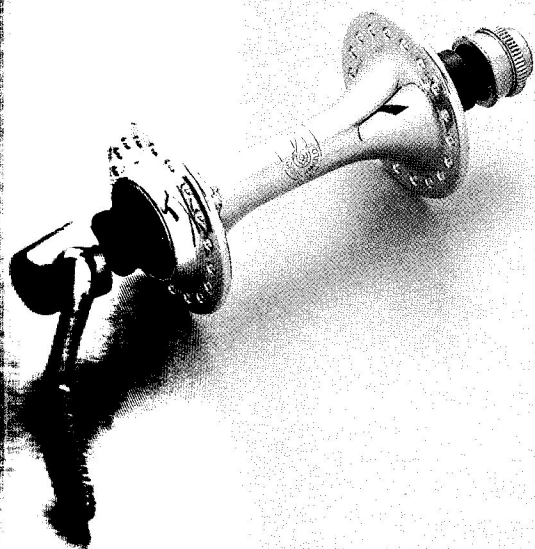
- over lock nut dimensions: front 100 mm  
rear 130 mm
- spoke holes: 32-36
- rear hub with 8 speed freebody

## CASSETTE SPROCKETS

code **CS-8S**

- standard combinations:

11/12/13/14/15/16/17/18	13/14/15/16/17/18/19/21
11/12/13/14/15/17/19/21	13/14/15/16/17/19/21/23
11/12/13/15/17/19/21/23	13/14/15/17/19/21/23/26
12/13/14/15/16/17/18/19	13/14/16/18/20/23/26/30
12/13/14/15/16/17/19/21	13/14/16/18/21/24/28/32
12/13/14/15/17/19/21/23	14/15/16/17/18/20/22/24
12/13/14/16/18/21/24/28	



## SEAT PILLAR

code **SP-AT**

- outside Ø: 25-26,2-26,4-26,6-26,8-27-27,2



## CHAIN

code **CN-CA68S**

- super narrow chain: 6,85 mm
- optimal flexibility: for quickest shifting and maximum precision
- exceptional performance under load



# OPTIONAL ATHENA RS



## CONTROL LEVERS **ERGOPOWER**

code **EC-02RE**

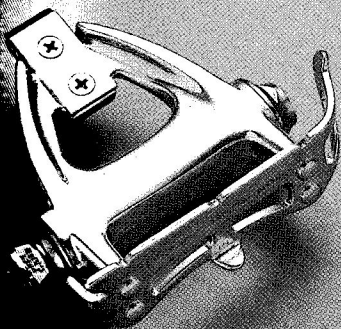
Campagnolo **TSC** System: Total Shifting Control

- index shifting levers incorporated in the brake levers for an easy and total control of the bike in all conditions of use
- ergonomics studied and accurate to the minute details
- precision index shifting (no over-shift)
- possibility to shift up to 8 decreasing gear in *one operation*
- *easy to assemble and maintain*

patent pending

## PEDALS

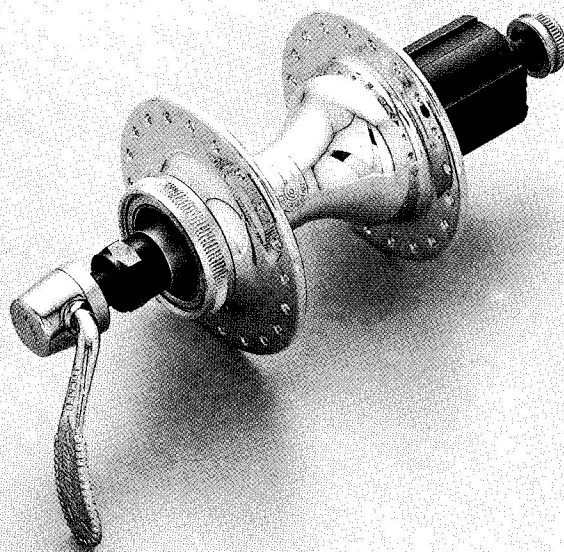
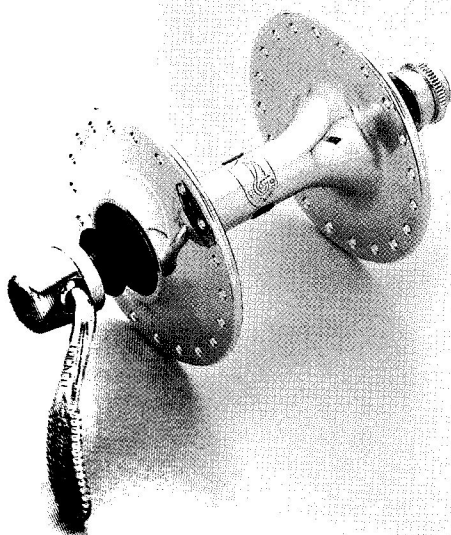
code **PD-02CH**



- aerodynamic design
- light weight
- adjustable toe-clips available in S, M and L size

# ROAD TANDEM GROUPS: COMPONENT SPECIFICATIONS

COMPONENTS	TANDEM CRS ROAD	TANDEM VS ROAD
REAR DERAILLEUR	RD-03IC	RD-03CE
FRONT DERAILLEUR	FD-01FIC	FD-01FCE
SHIFTING LEVERS rear-front derailleur	SL-01SRE CG	SL-01SAT CG
CRANK SET	FC-00TD	FC-00TD
BOTTOM BRACKET	BB-01CART	BB-01CART
TIRES	BR-02CLIC	BR-02CLCE
BRAKE LEVERS	BL-02HY CG	BL-02HY CG
HUBS	HB-00TD/FH-00TD	HB-00TD/FH-00TD
8 SPEED FREEWHEEL	CS-8S	CS-8S
CHAIN	CN-00TD	CN-00TD
PEDALS	PD-12CHQR	PD-12ATQR
HEADSET	HS-01CH	HS-01CH
SEAT PILLAR	SP-IC	SP-IC



TANDEM HUBS: it is the unified version of present Tandem front hub combined to the new tandem rear hub with incorporated 8 speed cassette freewheel.

## 1992 RIMS ROAD LINE

The new Campagnolo rims range for tubular and clinchers has been improved thanks to the continuous technological development and to the precious experience of the best pro champions.

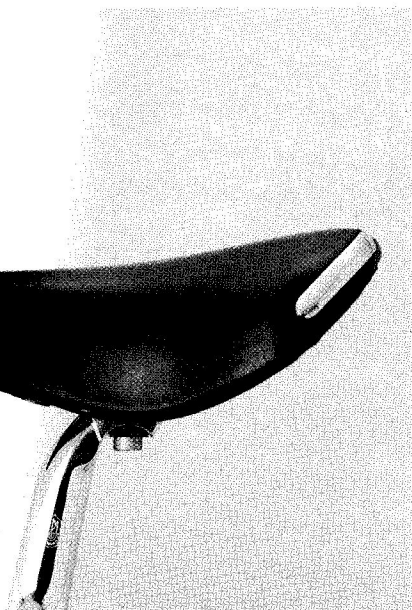
MODEL	WIDTH	FINISHING	DRILLING	EYELETS
<b>TUBULAR RIMS:</b>				
EGWA	22	HARDOX	32 - 36	YES
EGWA 20	22	HARDOX	32 - 36	YES
OMEGA V	20	HARDOX	32 - 36	NO
OMEGA	20	HARDOX	32 - 36	YES
LAMBDA	20	POLISHED	32 - 36	YES
<b>CLINCHER RIMS:</b>				
OMEGA XL	22	HARDOX	32 - 36	YES
OMEGA	20	HARDOX	32 - 36	YES
OMEGA V	20	HARDOX	32 - 36	NO
OMEGA 19	19,5	HARDOX	32 - 36	YES
EPSILON V	20	OXIDE	32 - 36	NO
LAMBDA	20	POLISHED	32 - 36	YES
LAMBDA V	20	ELECTROX	32 - 36	NO
MICRON	20	ELECTROX	36	YES
MICRON	20	POLISHED	36	YES
GAMMA	20	ELECTROX	36	YES
GAMMA	20	POLISHED	36	YES



# ELECTA TITANIUM

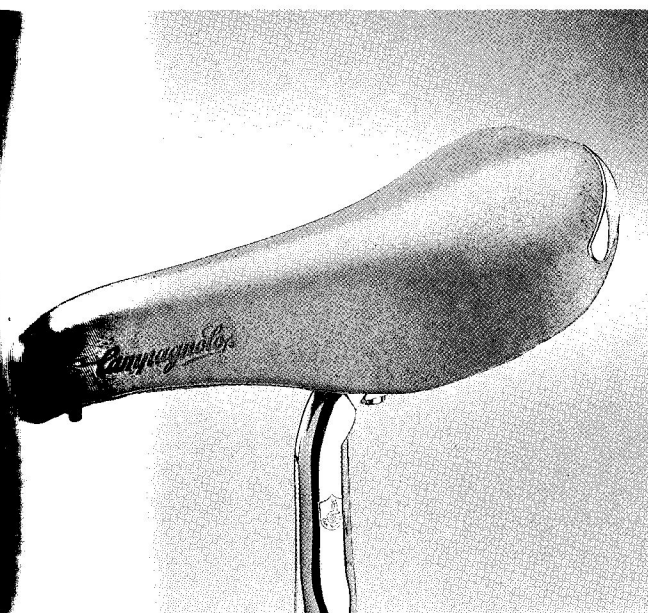
## SADDLE

Code **SD-10EL**



- air controlled padding system
- ergonomic and high-tech design
- maximum comfort:
  - a) latex air space reduces unconortable damping factor
  - b) special soft leather (1,2 mm thickness) is tanned with vegetal process
- maximum durability
  - a) saddle body is manufactured with PEBAX which remains unaltered in course of time
  - b) both cover and air space are completely interchangeable
- frame in 6 degree titanium alloy
- available colours:
  - black
  - white





## SADDLE

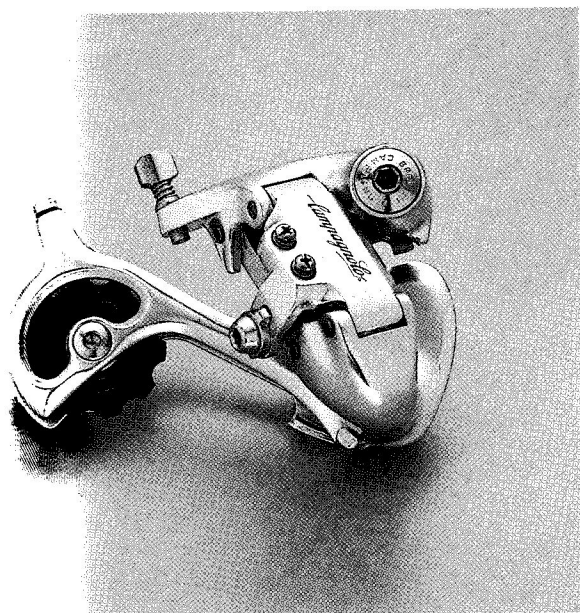
Code **SD-00EL**

- air controlled padding system
- ergonomic and high-tech design
- maximum comfort:
  - a) latex air space reduces uncomfortable damping factor
  - b) leather (2,2 mm thickness) is tanned with vegetal process
- maximum durability
  - a) saddle body is manufactured with PEBAX which remains unaltered in course of time
  - b) both cover and air space are completely interchangeable
  - c) cover protected by three studs of golden brass
- available colours:
  - blue
  - black
  - white
  - tobacco brown
  - grey
  - red

# **RECORD OR**

GR-00OR

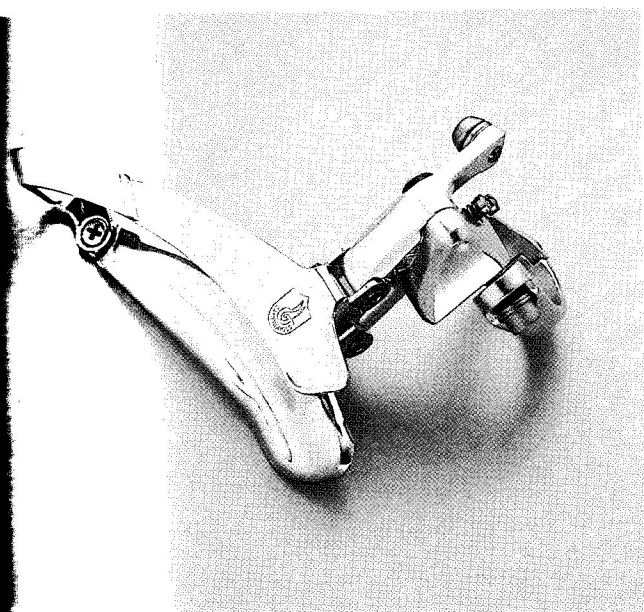
# RECORD OR



## REAR DERAILLEUR

code **RD-01OR** short cage  
code **RD-02OR** medium cage  
code **RD-03OR** long cage

- maximum sprocket: S 30 - M 32 - L 32
- capacity: S 32 - M 38 - L 44
- 8 speed
- silent operation
- compact type



## FRONT DERAILLEUR

code **FD-01FIC**: clip-on type Ø 28,6 mm  
code **FD-02FIC**: adj. clip-on type Ø 29/33 mm  
code **FD-03FIC**: clip-on type Ø 35/36 mm  
code **FD-01TPIC**: clip-on type Ø 28,6 mm  
TOP-PULL version  
code **FD-02TPIC**: adj. clip-on type Ø 29/33 mm  
TOP-PULL version  
code **FD-03TPIC**: clip-on type Ø 35/36 mm  
TOP-PULL version

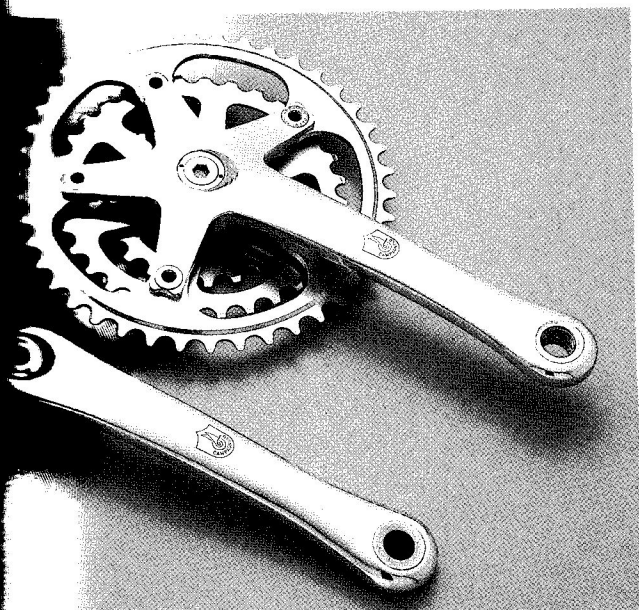
- capacity: 26

## SHIFTING LEVERS

code **BS-02IC CG**

- Bullet shifters with adjustable changing effort
- compact type, with improved ergonomic design, with palm protection
- integrated with brake levers

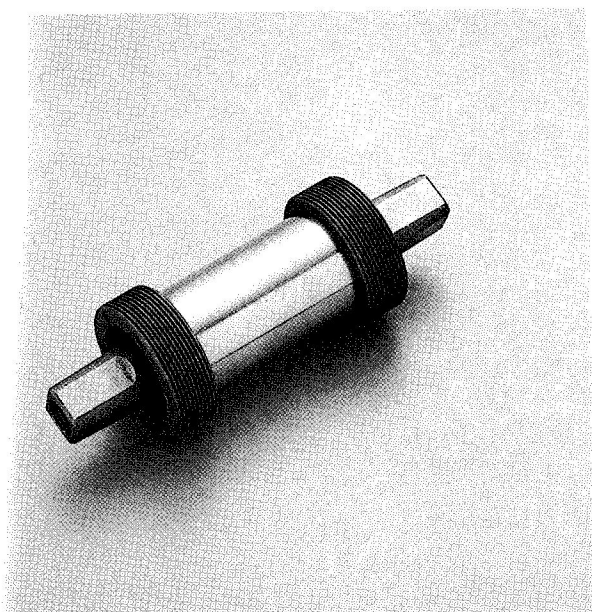




## CRANKSET code FC-01CSOR

- Campagnolo **CC System** (Cassette Crankset) with assembling cassette type chainring system
- low profile and super compact
- improved biomechanic factor
- **CD System** (Compact Drive) component
- crank length: 170 - 175
- inner chainring: 20 - 22
- medium chainring: 30 - 32
- outer chainring: 42 - 44
- incorporated extractor

patent pending



## BOTTOM BRACKET

code **BB-01CART**: italian- 36 x 24 TPI  
code **BB-03CART**: english- BC1,37 x 24 TPI

- axle length: 111 mm
- cartridge type BB unit with sealed bearings, compatible with the CC System
- light alloy cups, in board type
- quickest assembly
- improved durability



## PEDALS

code **PD-02OR**

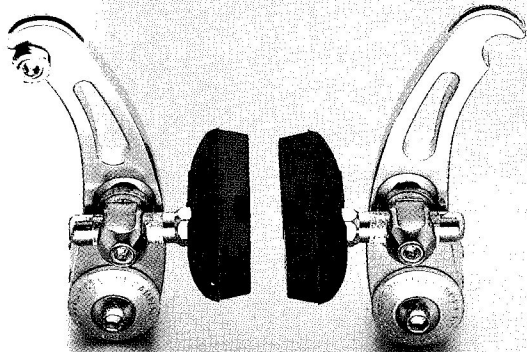
- compact and super light type
- removable cage hard anodized with dual side usage



# RECORD OR

## BRAKES

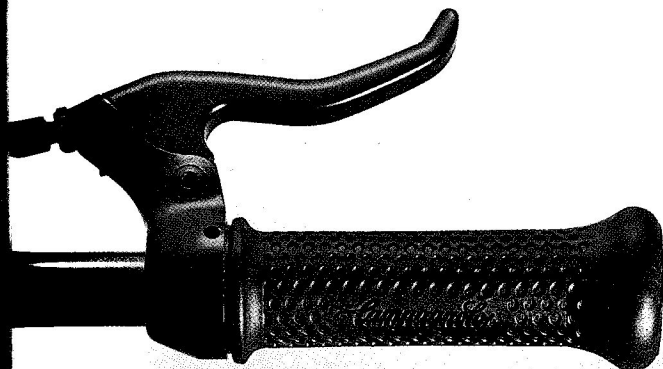
code **BR-02CLOR**



- Fully in board super compact cantilever type
- New HP brake blocks: with exceptional braking performances in all climatic conditions
- high performance braking power
- super light type
- softer braking modulation: light action lever
- anodized finishing
- spring tension adjuster
- orbital adjusting brake blocks system

## BRAKE LEVERS

code **BL-02IC CG**



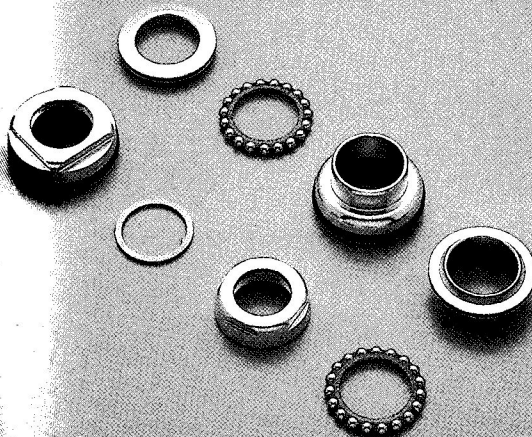
- super compact type: 2/3 fingers
- brake levers cover with anti-shock padding
- integrated with Bullet shifters
- super light type

## HEAD SET

code **HS-01OR**: BC 1 x 24TPI

code **HS-03OR** over-size 1 1/8"

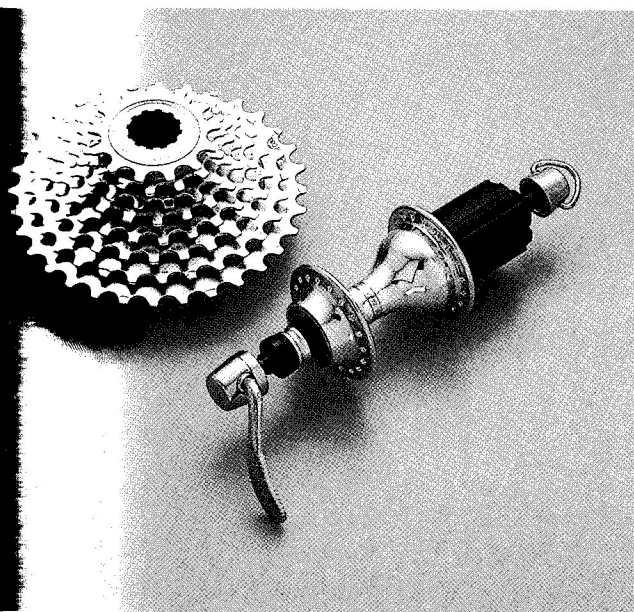
code **HS-04OR** over-size 1 1/4"



- sealed mechanism with O-ring
- featuring lubrication system on both cups
- SELFORM system



# RECORD OR



## HUBS

code **HB-00OR**: front hub

code **FH-00OR**: rear hub

- over lock nut dimensions: front 100 mm  
rear 130 mm
- spoke holes: 32-36
- rear hub with 8 speed freebody
- sealed mechanism with dual lubricant system

## CASSETTE SPROCKETS

code **CS-8S**

- standard combinations:

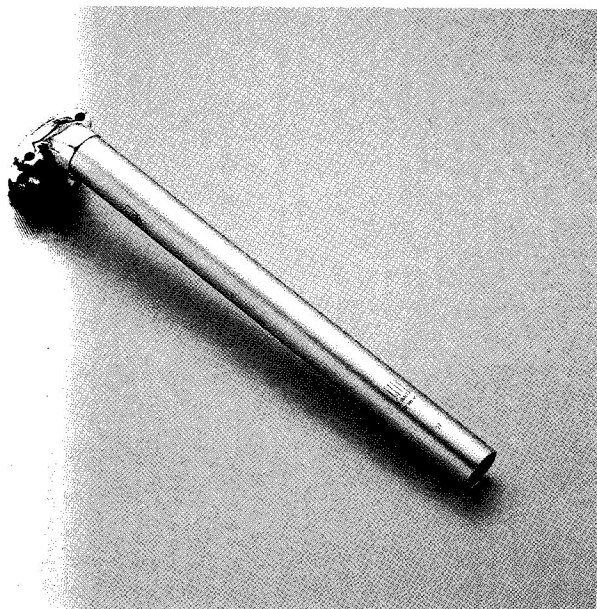
11/12/13/14/15/16/17/18	13/14/15/16/17/18/19/21
11/12/13/14/15/17/19/21	13/14/15/16/17/19/21/23
11/12/13/15/17/19/21/23	13/14/15/17/19/21/23/26
12/13/14/15/16/17/18/19	13/14/16/18/20/23/26/30
12/13/14/15/16/17/19/21	13/14/16/18/21/24/28/32
12/13/14/15/17/19/21/23	14/15/16/17/18/20/22/24
12/13/14/16/18/21/24/28	



## SEAT PILLAR

code **SP-IC**

- length: 325 mm
- outside Ø:  
aluminium stem: 25,4-26,6-26,8  
steel stem: 27-27,2-28,6-29,4-29,8-30-31,6



## CHAIN

code **CN-CA68S**

- super narrow chain: 6,85 mm
- optimal flexibility: for quickest shifting and maximum precision

exceptional performance under load





## OPTIONAL RECORD OR

### SHIFTING LEVERS

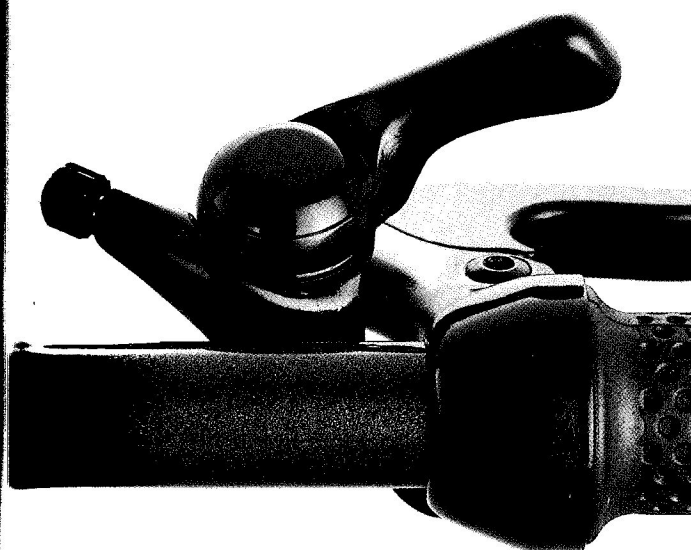
code **SL-02TB CG**

- precision index shifting: no over shift
- rear derailleur lever with indexed system: 8 speed
- front derailleur lever Multi positioning
- orbital positioning
- best ergonomic function
- maximum weight reduction

### CAMPAGNOLO GRIP

code **HL-00TB**

- integrated with our brake levers
- exclusive design and maximum ergonomic
- outskid rubber
- improved power for riding control



### PEDALS

code **PD-12ORQR**

- compact and super light type
- free lateral movement  $\pm 8^\circ$
- dual use possibility
- adjustable grip tension
- device for easy mud evacuation

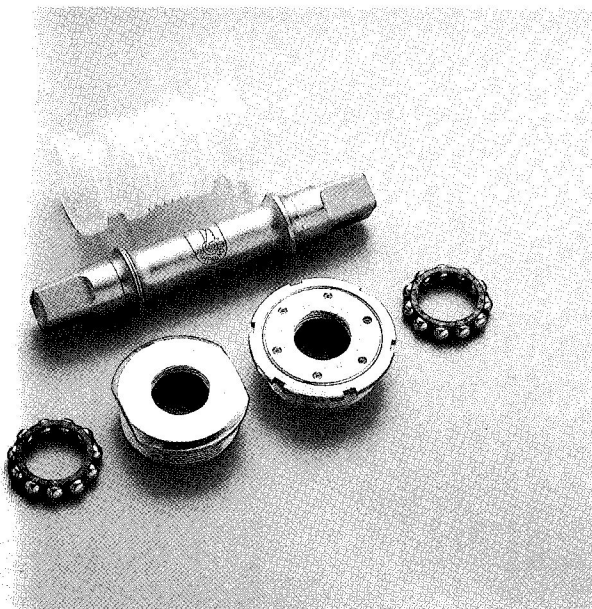


### BOTTOM BRACKET

code **BB-01TDIC**: italian 36 x 24 TPI

code **BB-03TDIC**: english BC 1,37 x 24 TPI

- axle length: 111 mm
- aluminium cups with seals
- balls  $\varnothing 7/32"$
- compatible with ICARUS crank set: FC-01TDIC

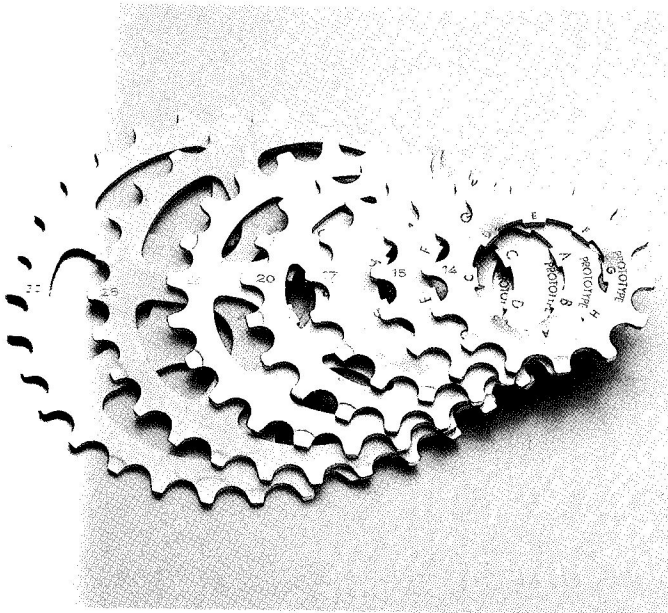


## OPTIONAL RECORD OR

### CRANK SET

code **FC-01TD IC**

- low profile and super light type
- improved biomechanic factor
- compatible with cartridge bottom bracket:  
BB 01/02/03 CART
- **TD System** (Traditional Drive) component
- crank length: 170-175
- inner chainring: 24-26 HP type
- medium chainring: 34-36 HP type
- outer chainring: 46-48
- high performance chainrings available in a special stainless steel which ensure smooth, precise shifting with increased durability



### LIGHT ALLOY CASSETTE SPROCKETS

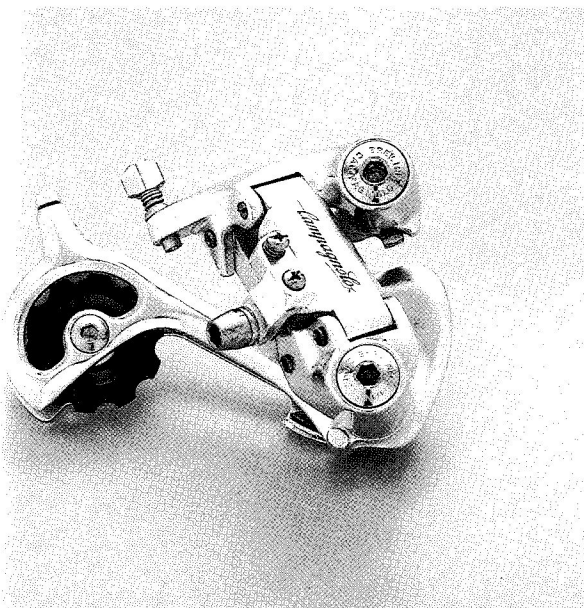
code **CS-8AL**

- available sprockets:  
13-14-15-16-17-18-19-20-21-22-23-24  
P.S.: these sprockets are interchangeable with steel sprockets except first position
- maximum reduction of weight (approximately 60% lighter than traditional steel cassette sprockets)



# ICARUS

## GR-001C



## REAR DERAILEUR

code **RD-01IC** short cage  
code **RD-02IC** medium cage  
code **RD-03IC** long cage

- maximum sprocket: S 30 - M 32 - L 32
- capacity: S 32 - M 38 - L 44
- 8 speed
- silent operation
- compact type



## FRONT DERAILEUR

code **FD-01FIC**: clip-on type Ø 28,6 mm  
code **FD-02FIC**: adj. clip-on type Ø 29/33 mm  
code **FD-03FIC**: clip-on type Ø 35/36 mm  
code **FD-01TPIC**: clip-on type Ø 28,6 mm  
**TOP-PULL** version

code **FD-02TPIC**: adj. clip-on type Ø 29/33 mm  
**TOP-PULL** version

code **FD-03TPIC**: clip-on type Ø 35/36 mm  
**TOP-PULL** version

- capacity: 26



## SHIFTING LEVERS

code **BS-02IC CG**

- Bullet shifters with adjustable changing effort
- compact type, with improved ergonomic design, with palm protection
- integrated with brake levers

patent pending



## CRANKSET

code **FC-01CSIC**

- Campagnolo **CC System** (Cassette Crankset) with assembling cassette type chainring system
- low profile and super compact
- improved biomechanic factor
- **CD System** (Compact Drive) component
- crank length: 170 - 175
- inner chainring: 20 - 22
- medium chainring: 30 - 32
- outer chainring: 42 - 44

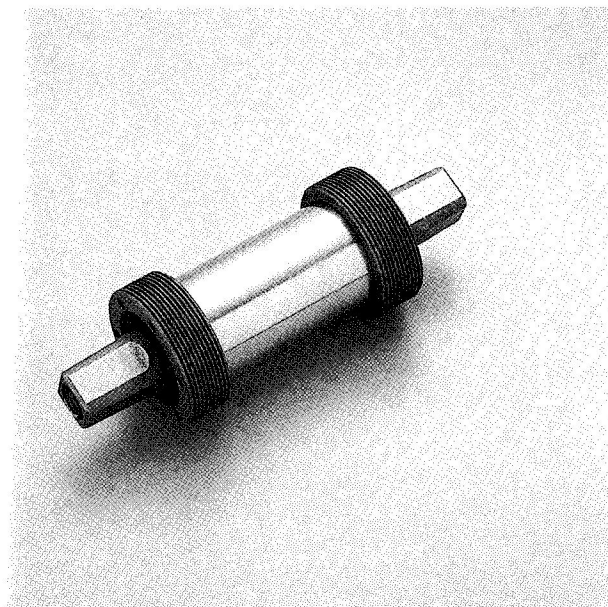
patent pending

## BOTTOM BRACKET

code **BB-01CART**: italian- 36 x 24 TPI

code **BB-03CART**: english- BC1,37 x 24 TPI

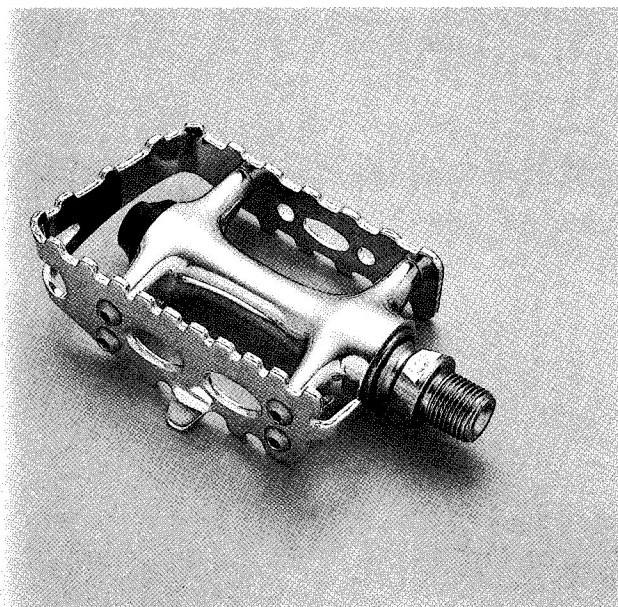
- axle length: 111 mm
- cartridge type BB unit with sealed bearings, compatible with the CC System
- light alloy cups, in board type
- quickest assembly
- improved durability



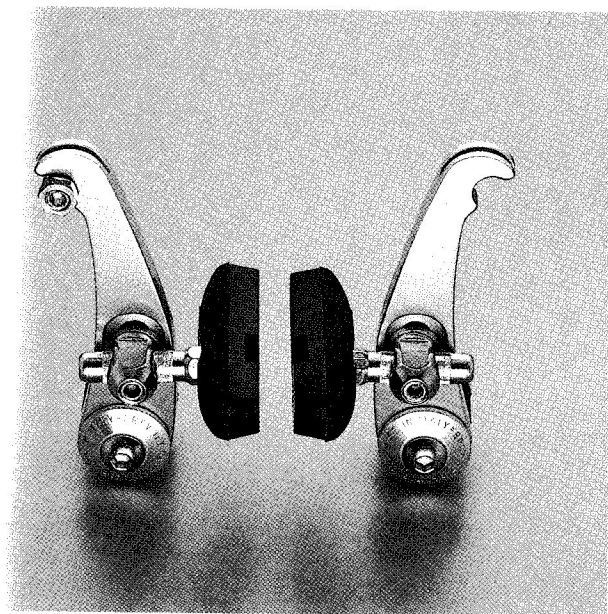
## PEDALS

code **PD-02IC**

- compact and super light type
- removable cage with dual side usage







## BRAKES

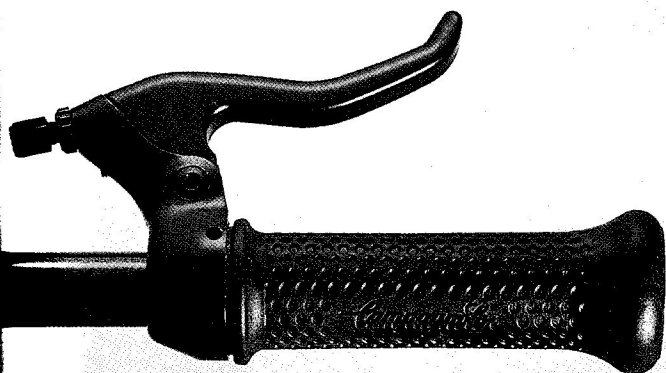
code **BR-02CLIC**

- Fully in board super compact cantilever type
- New HP brake blocks: with exceptional braking performances in all climatic conditions
- high performance braking power
- super light type
- softer braking modulation: light action lever
- anodized finishing
- spring tension adjuster
- orbital adjusting brake blocks system

## BRAKE LEVERS

code **BL-02IC CG**

- super compact type: 2/3 fingers
- brake levers cover with anti-shock padding
- integrated with Bullet shifters
- super light type



## HEAD SET

code **HS-01IC**: BC 1 x 24TPI

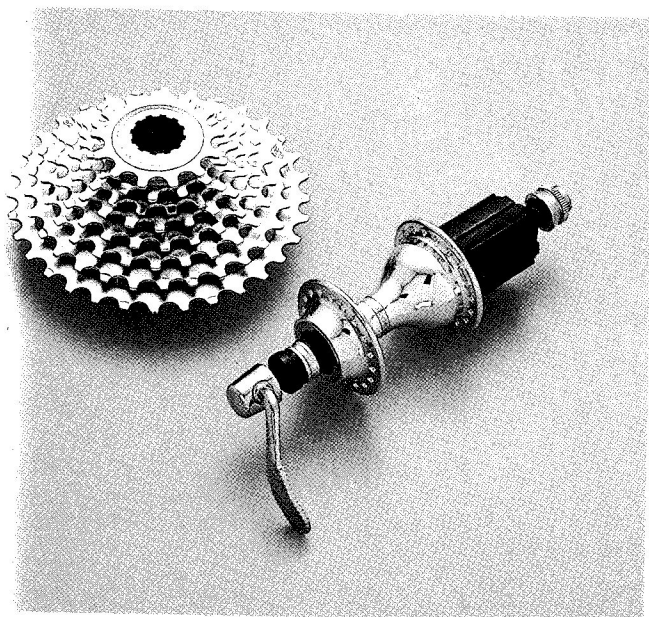
code **HS-03IC**: over-size 1 1/8"

code **HS-04IC**: over-size 1 1/4"

- SELFFORM system







## HUBS

code **HB-00IC**: front hub

code **FH-00IC**: rear hub

- over lock nut dimensions: front 100 mm  
rear 130 mm
- spoke holes: 32-36
- rear hub with 8 speed freebody
- sealed mechanism with dual lubricant system

## CASSETTE SPROCKETS

code **CS-8S**

- standard combinations:

11/12/13/14/15/16/17/18	13/14/15/16/17/18/19/21
11/12/13/14/15/17/19/21	13/14/15/16/17/19/21/23
11/12/13/15/17/19/21/23	13/14/15/17/19/21/23/26
12/13/14/15/16/17/18/19	13/14/16/18/20/23/26/30
12/13/14/15/16/17/19/21	13/14/16/18/21/24/28/32
12/13/14/15/17/19/21/23	14/15/16/17/18/20/22/24
12/13/14/16/18/21/24/28	



## SEAT PILLAR

code **SP-IC**

- length: 325 mm
- outside Ø:  
aluminium stem: 25,4-26,6-26,8  
steel stem: 27-27,2-28,6-29,4-29,8-30-31,6



## CHAIN

code **CN-CA68S**

- super narrow chain: 6,85 mm
- optimal flexibility: for quickest shifting and maximum precision
- exceptional performance under load



## OPTIONAL

## ICARUS

### SHIFTING LEVERS

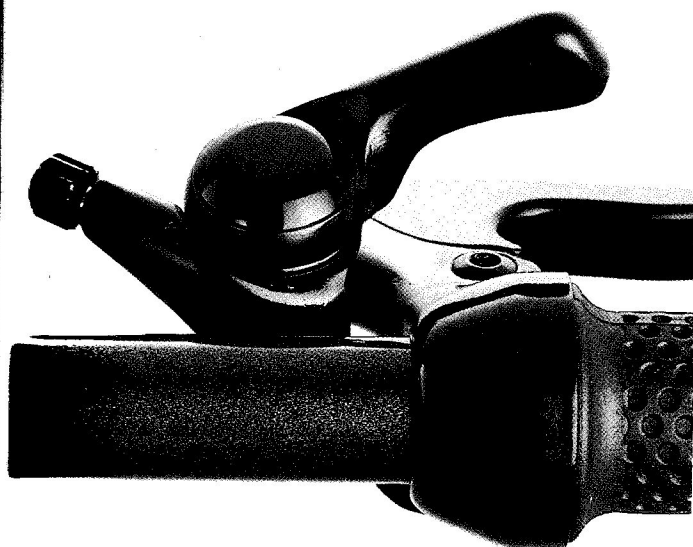
code **SL-02TB CG**

- precision index shifting: no over shift
- rear derailleur lever with indexed system: 8 speed
- front derailleur lever Multi positioning
- orbital positioning
- best ergonomic function
- maximum weight reduction

### CAMPAGNOLO GRIP

code **HL-00TB**

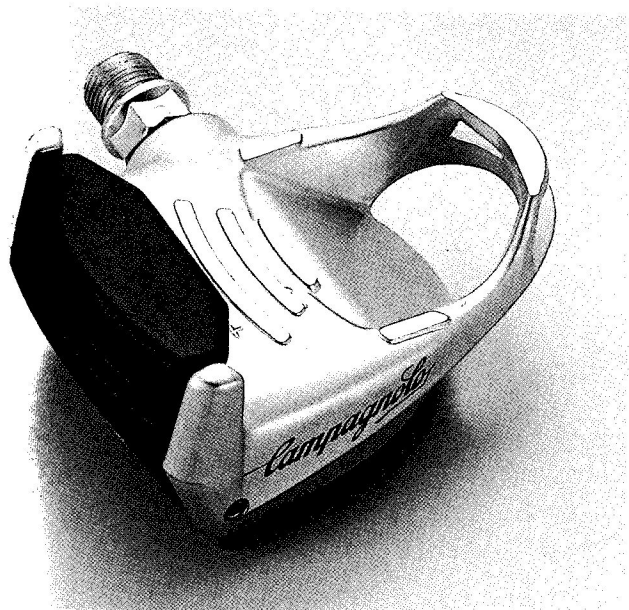
- integrated with our brake levers
- exclusive design and maximum ergonomic
- outskid rubber
- improved power for riding control



### PEDALS

code **PD-12ORQR**

- compact and super light type
- free lateral movement  $\pm 8^\circ$
- dual use possibility
- adjustable grip tension
- device for easy mud evacuation

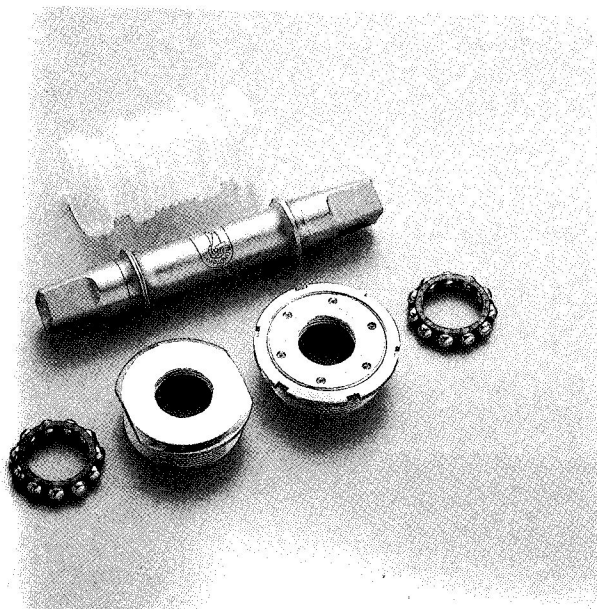


### BOTTOM BRACKET

code **BB-01TD IC**: italian 36 x 24 TPI

code **BB-03TD IC**: english BC 1,37 x 24 TPI

- axle length: 111 mm
- aluminium cups with seals
- balls  $\varnothing 7/32"$

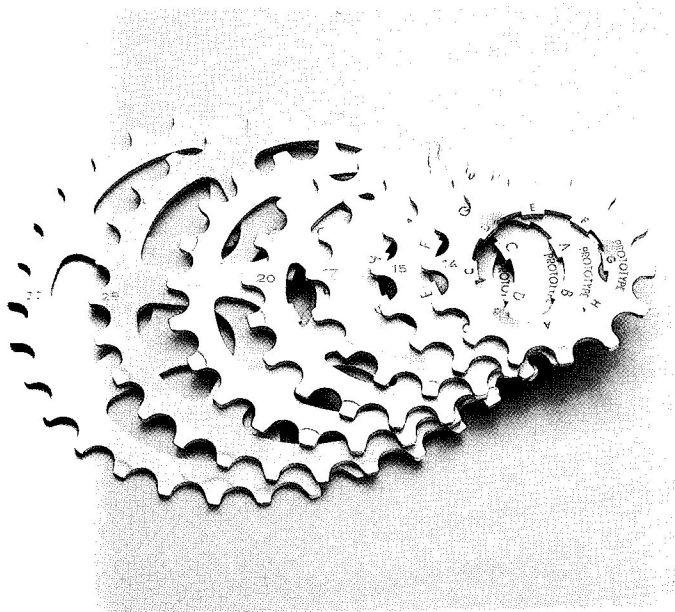




## CRANK SET

code **FC-01TDIC**

- low profile and super light type
- improved biomechanic factor
- compatible with cartridge bottom bracket:  
BB 01/02/03 CART
- **TD System** (Traditional Drive) component
- crank length: 170-175
- inner chainring: 24-26 HP type
- medium chainring: 34-36 HP type
- outer chainring: 46-48
- high performance chainrings available in a special stainless steel which ensure smooth, precise shifting with increased durability



## LIGHT ALLOY CASSETTE SPROCKETS

code **CS-8AL**

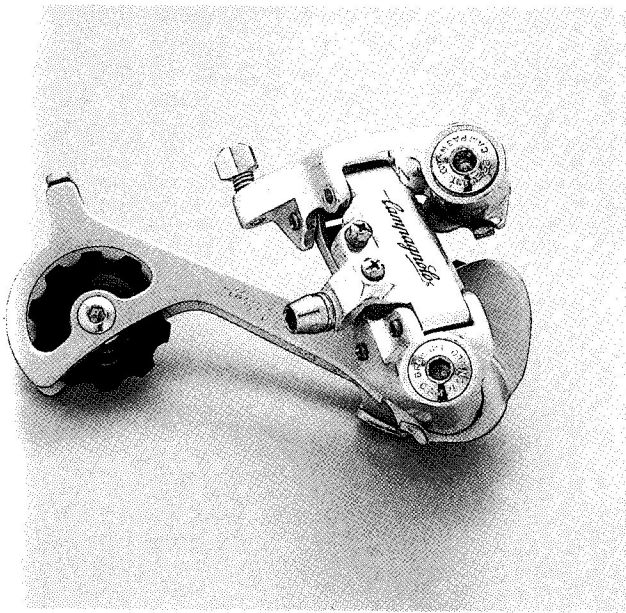
- available sprockets:  
13-14-15-16-17-18-19-20-21-22-23-24  
P.S.: these sprockets are interchangeable with steel sprockets except first position
- maximum reduction of weight (approximately 60% lighter than traditional steel cassette sprockets)

# **CENTAUR VS**

## GR-00CE



# CENTAUR VS



## REAR DERAILLEUR

code **RD-02CE** medium cage

code **RD-03CE** long cage

- maximum sprocket: M 32 - L 32
- capacity: M 38 - L 44
- 8 speed
- silent operation
- compact type



## FRONT DERAILLEUR

code **FD-01FCE**: clip-on type Ø 28,6 mm

code **FD-01TPCE**: clip-on type Ø 28,6 mm

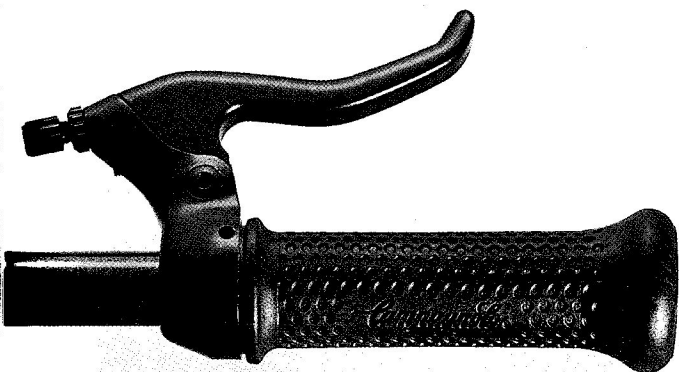
**TOP-PULL** version

- capacity: 26

## SHIFTING LEVERS

code **BS-02CE CG**

- Bullet shifters
- compact type, with improved ergonomic design, with palm protection
- integrated with brake levers



# CENTAUR VS

## CRANKSET

code **FC-01CSIC**

- Campagnolo **CC System** (Cassette Crankset) with assembling cassette type chainring system
- low profile and super compact
- improved biomechanic factor
- **CD System** (Compact Drive) component
- crank length: 170 - 175
- inner chainring: 20 - 22
- medium chainring: 30 - 32
- outer chainring: 42 - 44

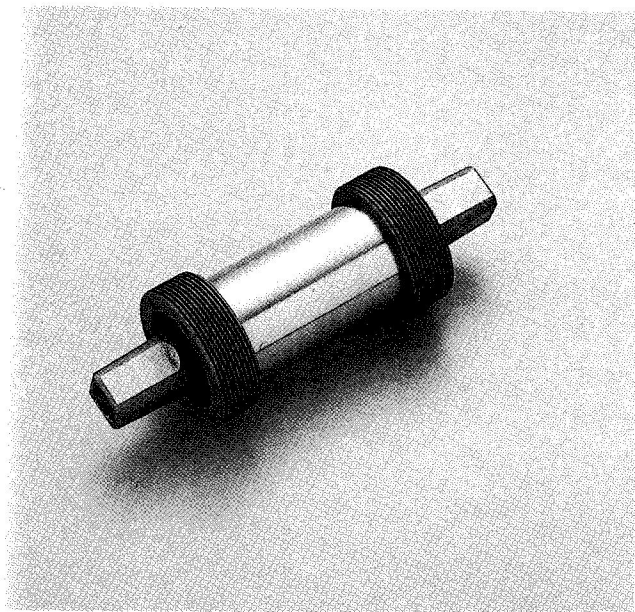
patent pending

## BOTTOM BRACKET

code **BB-01CART**: italian- 36 x 24 TPI

code **BB-03CART**: english- BC1,37 x 24 TPI

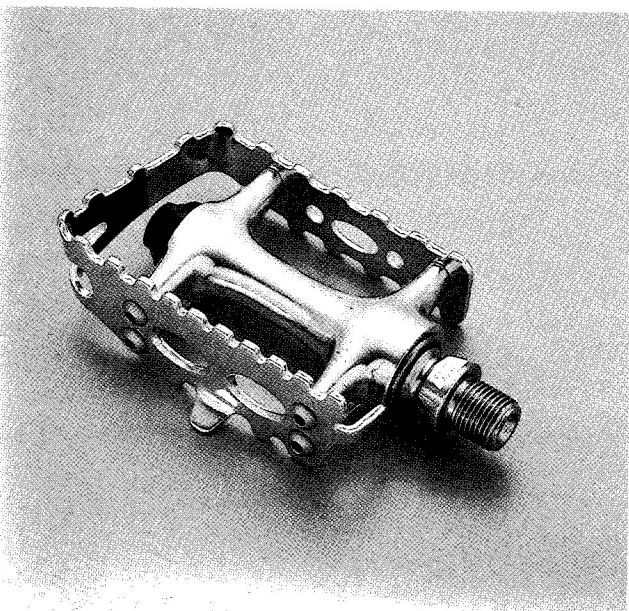
- axle length: 111 mm
- cartridge type BB unit with sealed bearings, compatible with the CC System
- light alloy cups, in board type
- quickest assembly
- improved durability



## PEDALS

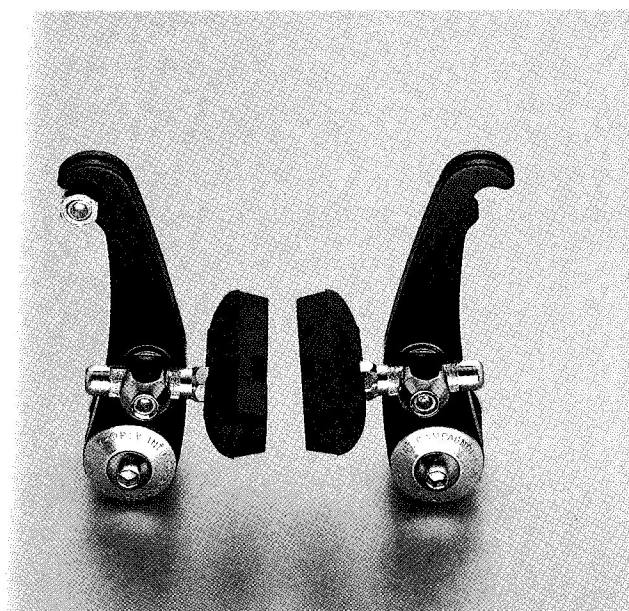
code **PD-02CE**

- compact and super light type
- removable cage with dual side usage





# CENTAUR VS



## BRAKES

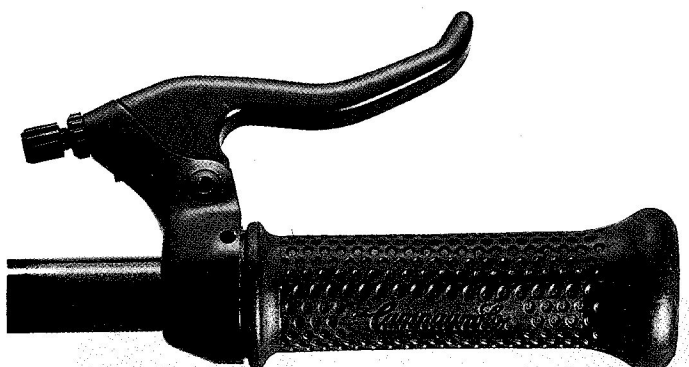
code **BR-02CLCE**

- Fully in board super compact cantilever type
- New HP brake blocks: with exceptional braking performances in all climatic conditions
- high performance braking power
- super light type
- softer braking modulation: light action lever
- black finishing
- spring tension adjuster
- orbital adjusting brake blocks system

## BRAKE LEVERS

code **BL-02IC CG**

- super compact type: 2/3 fingers
- brake levers cover with anti-shock padding
- integrated with Bullet shifters
- super light type



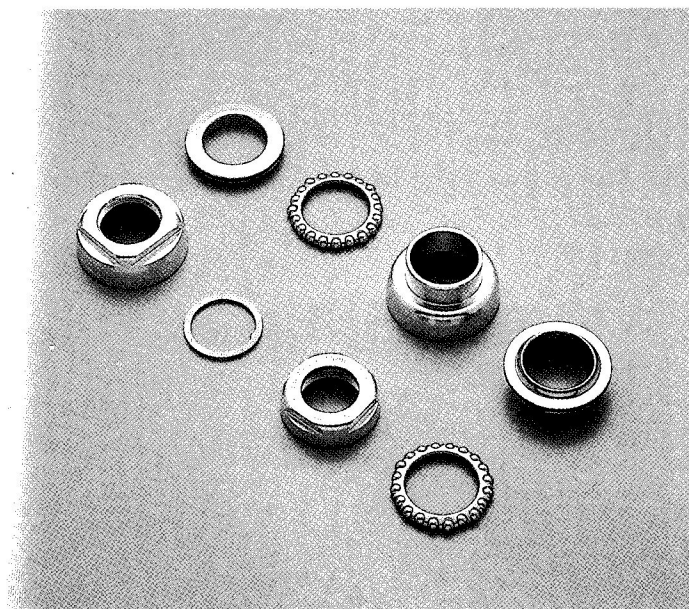
## HEAD SET

code **HS-01IC**: italian/english BC 1 x 24TPI

code **HS-03IC**: over-size 1 1/8"

code **HS-04IC**: over-size 1 1/4"

- SELFORM system





# CENTAUR VS

## HUBS

code **HB-00CE**: front hub

code **FH-00CE**: rear hub

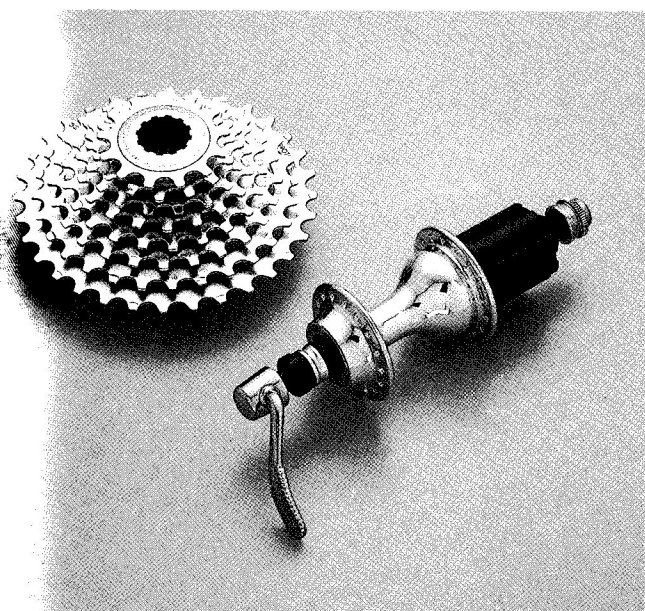
- over lock nut dimensions: front 100 mm  
rear 135 mm
- spoke holes: 32-36
- rear hub with 8 speed freebody

## CASSETTE SPROCKETS

code **CS-8S**

- standard combinations:

11/12/13/14/15/16/17/18	13/14/15/16/17/18/19/21
11/12/13/14/15/17/19/21	13/14/15/16/17/19/21/23
11/12/13/15/17/19/21/23	13/14/15/17/19/21/23/26
12/13/14/15/16/17/18/19	13/14/16/18/20/23/26/30
12/13/14/15/16/17/19/21	13/14/16/18/21/24/28/32
12/13/14/15/17/19/21/23	14/15/16/17/18/20/22/24
12/13/14/16/18/21/24/28	



## SEAT PILLAR

code **SP-IC**

- length: 325 mm
- outside Ø:  
aluminium stem: 25,4-26,6-26,8  
steel stem: 27-27,2-28,6-29,4-29,8-30-31,6

## CHAIN

code **CN-CA68S**

- super narrow chain: 6,85 mm
- optimal flexibility: for quickest shifting and maximum precision
- exceptional performance under load





# OPTIONAL CENTAUR VS

## SHIFTING LEVERS

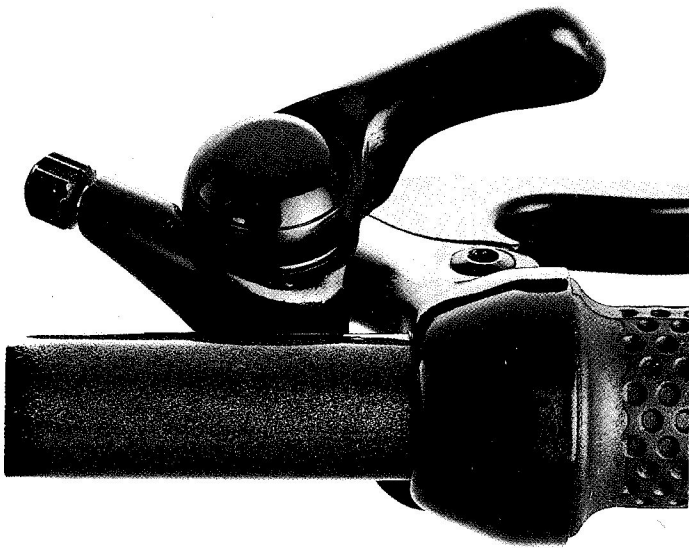
code **SL-02TB CG**

- precision index shifting: no over shift
- rear derailleur lever with indexed system: 8 speed
- front derailleur lever Multi positioning
- orbital positioning
- best ergonomic function
- maximum weight reduction

## CAMPAGNOLO GRIP

code **HL-00TB**

- integrated with our brake levers
- exclusive design and maximum ergonomic
- outskid rubber
- improved power for riding control



## PEDALS

code **PD-12ORQR**

- compact and super light type
- free lateral movement  $\pm 8^\circ$
- dual use possibility
- adjustable grip tension
- device for easy mud evacuation

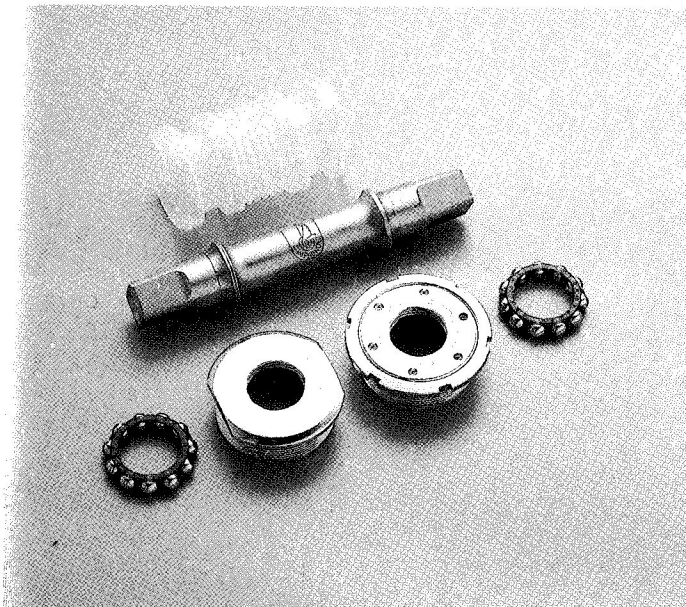


## BOTTOM BRACKET

code **BB-01TDIC**: italian 36 x 24 TPI

code **BB-03TDIC**: english BC 1,37 x 24 TPI

- axle length: 111 mm
- aluminium cups with seals
- balls  $\varnothing 7/32"$
- compatible with ICARUS crank set: FC-01TDIC

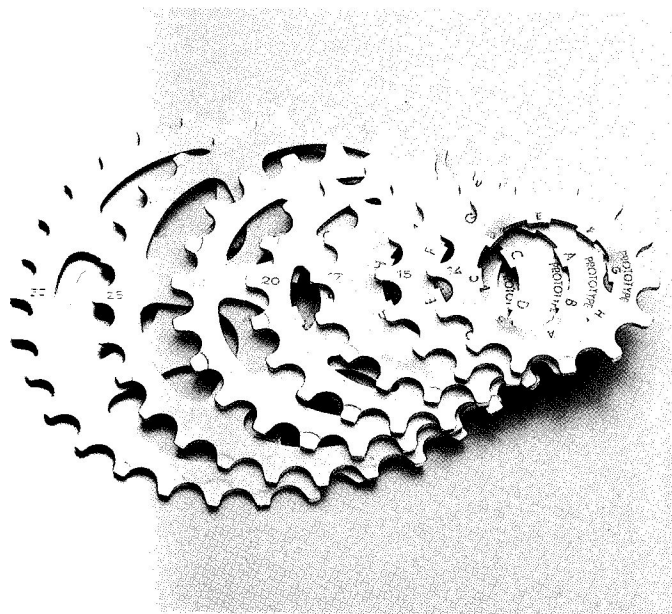


## OPTIONAL CENTAUR VS

### CRANK SET

code **FC-01TDIC**

- low profile and super light type
- improved biomechanic factor
- compatible with cartridge bottom bracket:  
BB 01/02/03 CART
- **TD System** (Traditional Drive) component
- crank length: 170-175
- inner chainring: 24-26 HP type
- medium chainring: 34-36 HP type
- outer chainring: 46-48
- high performance chainrings available in a special stainless steel which ensure smooth, precise shifting with increased durability



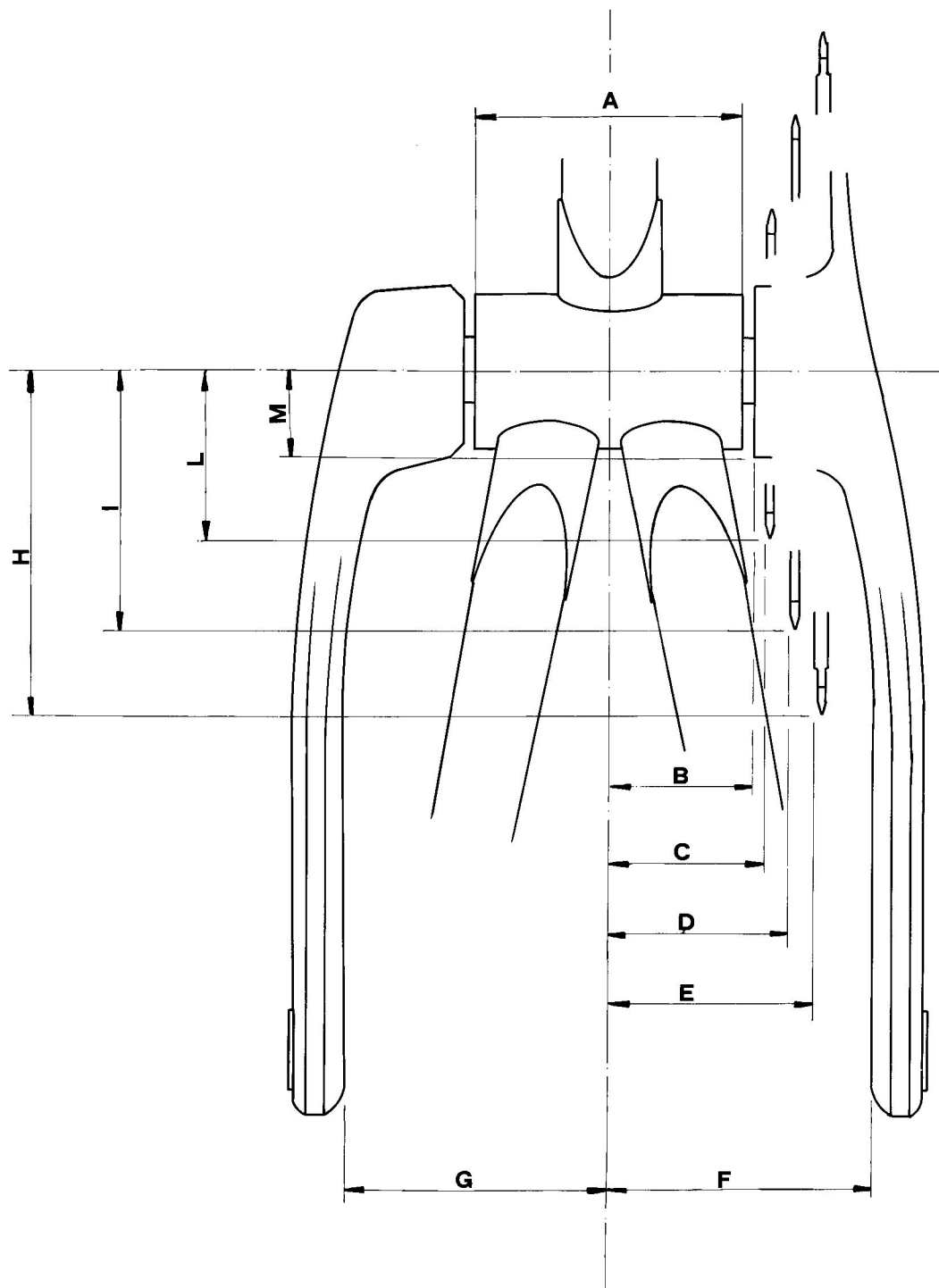
### LIGHT ALLOY CASSETTE SPROCKETS

code **CS-8AL**

- available sprockets:  
13-14-15-16-17-18-19-20-21-22-23-24  
P.S.: these sprockets are interchangeable with steel sprockets except first position
- maximum reduction of weight (approximately 60% lighter than traditional steel cassette sprockets)

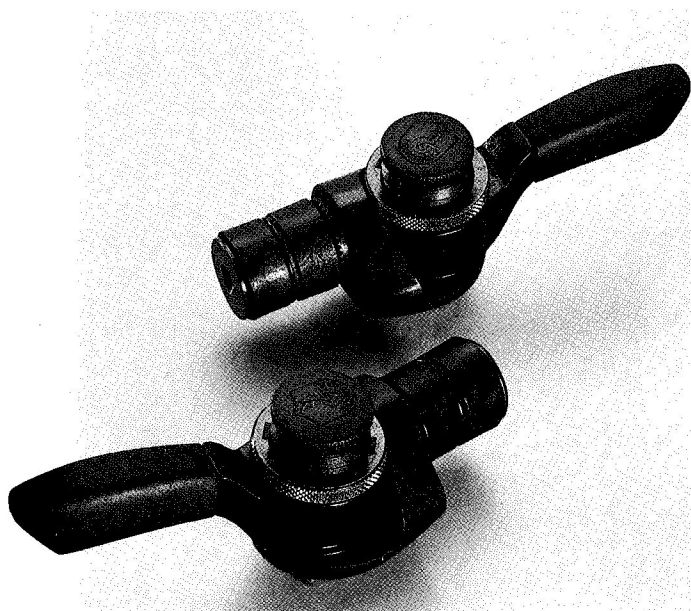


## Campagnolo **CD** and **TD** Drive Train Off-Road Specifications



Type	Chain Line	A	B	C	D	E	F	G	H	I	L	M	Max. Composition
CD	46,5 $\pm$ 1,5	max 70	35,5	38,5	44	48,5	64	64	93	67	47	22	Z: 22-32-44
TD	46,5 $\pm$ 1,5	max 70	37	38,5	44	48,5	64	64	105	81	55	44	Z: 26-38-50

# ADDITIONAL ITEMS



## BAR END SHIFTING LEVERS

code **SL-02BE CG**

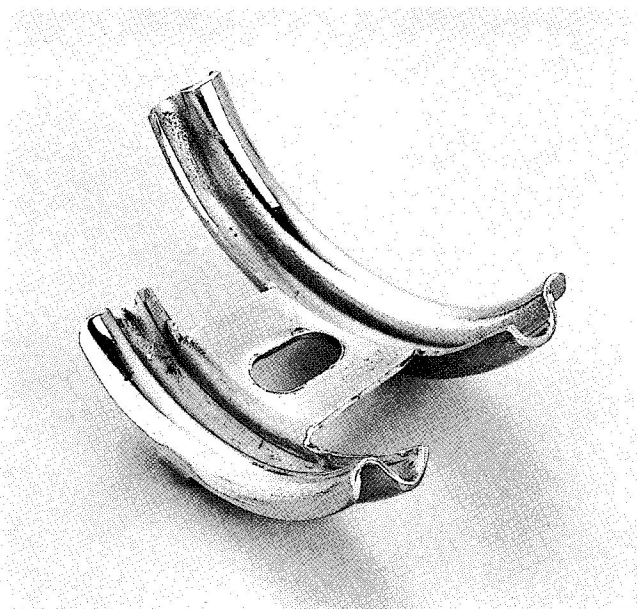
- rear and front derailleur shifting levers with index/friction mode switch
- 8 speed
- compatible with Record, Chorus RS, Athena RS, Record OR, Icarus and Centaur VS rear derailleur.



## BRAKE LEVERS

code **BL-02HY CG**

- especially developed to be used with Record OR, Icarus and Centaur VS cantilever brakes
- inside straight pull cable system



## BOTTOM BRACKET CABLE GUIDE

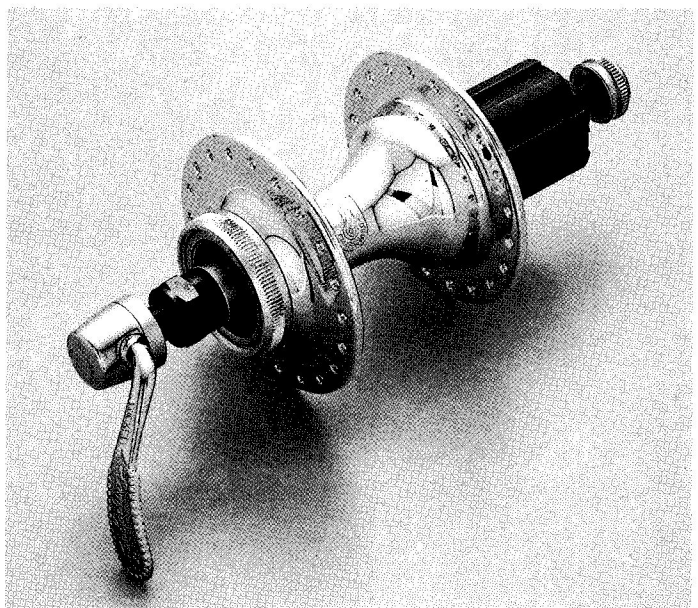
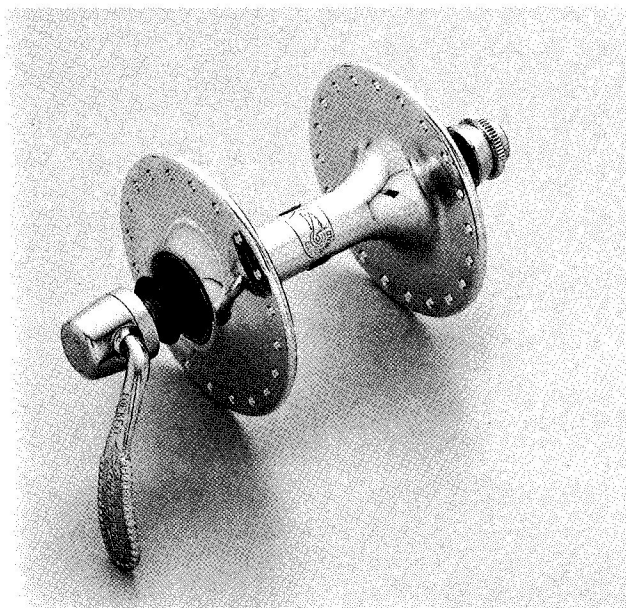
code **AI-00CD**

- stainless steel type
- low friction factor
- to maintain constant shifting performances
- standard equipment on ATB and Hybrid groups
- optional on road and touring groups



# OFF ROAD TANDEM GROUPS: COMPONENT SPECIFICATIONS

COMPONENTS	TANDEM CRS OFF ROAD	TANDEM VS OFF ROAD
REAR DERAILLEUR	RD-03IC	RD-03CE
FRONT DERAILLEUR	FD-01FIC	FD-01FCE
SHIFTING LEVERS for rear-front derailleur	SL-02IC CG	BS-02CE CG
CRANK SET	FC-00TD	FC-00TD
BOTTOM BRACKET	BB-01CART	BB-01CART
BRAKES	BR-02CLIC	BR-02CLCE
BRAKE LEVERS	BL-02IC CG	BL-02IC CG
HUBS*	HB-00TD/FH-00TD	HB-00TD/FH-00TD
8 SPEED FREEWHEEL	CS-8S	CS-8S
CHAIN	CN-00TD	CN-00TD
PEDALS	PD-12IC	PD-02CE
HEADSET	HS-01IC	HS-01IC
SEAT PILLAR	SP-IC	SP-IC



\* TANDEM HUBS: it is the unified version of present Tandem front hub combined to the new tandem rear hub with incorporated 8 speed cassette freewheel.

# TOURING BIKE PACKAGE COMPONENTS

COMPONENTS	"A" SOLUTION	"B" SOLUTION
REAR DERAILLEUR	RD-03CE	RD-03CE
FRONT DERAILLEUR	FD-01FCE	FD-01FCE
SHIFTING LEVERS for rear-front derailleur	SL-01SAT CG	SL-01SAT CG
CRANK SET	FC-01ICTD	FC-01ICTD
BOTTOM BRACKET	BB-01CART	BB-01CART
BRAKES	BR-02CLCE	
BRAKE LEVERS	BL-02HY CG	
HUBS	HB-00CE/FH-00CE	HB-00CE/FH-00CE
8 SPEED FREEWHEEL	CS-8S	CS-8S
CHAIN	CN-CA68A	CN-CA68A



# HYBRID BIKE PACKAGE COMPONENTS

## COMPONENTS

REAR DERAILLEUR	RD-03CE
FRONT DERAILLEUR	FD-01FCE
SHIFTING LEVERS for rear-front derailleur	BS-02CE CG or SL-02BE CG
CRANK SET	FC-01ICTD (Traditional Drive)
BOTTOM BRACKET	BB-01CART
BRAKES	BR-02CLIC
BRAKE LEVERS	BL-02IC CG or BL-00HY CG
HUBS	HB-00CE/FH-00CE
8 SPEED FREEWHEEL	CS-8S
CHAIN	CN-CA68A

## 1992 RIMS OFF ROAD - HYBRID - TOURING - CROSS LINE

The range has been completely renewed developing new exclusive profiles which satisfy pro rider needs and the most advanced manufacturers' requirements.

The new profiles range offers a further improvement of braking performance combined with a considerable weight reduction.

The superb finishing surface range allows to satisfy any requirements.

The development of new rims especially designed for Hybrid Touring and Cross bikes have enlarged our product line

MODEL	DIMENSION	WIDTH	FINISHING	DRILLING	EYELETS
<b>RIMS FOR OFF ROAD</b>					
STHENO	26"	22	HARDOX	32 - 36	NO
STHENO	26"	22	POLISHED	28 - 32	NO
ATEK	26"	20	HARDOX	32 - 36	NO
MIROX	26"	22	HARDOX	32 - 36	YES
ZARK	26"	22	ELECTROX	32 - 36	YES
ZARK	26"	22	OXIDE	32 - 36	YES
<b>RIMS FOR HYBRID - TOURING - CROSS</b>					
ZEDRA	28"	22	OXIDE	36	YES



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