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Guaranteed Lowest Price
Policy Explained Page 69

The World's most complete bicycling catalog

1978 **\$1.00**
Spring only and worth much more!

BIKECOLOGY BIKE SHOPS.



This beautiful
signed,
limited edition
Derivagraphic
lithograph by
famous artist
Kenneth Stone
produced on
hand made
rag paper
is available
to our mail
customers.

See page 76.

COLNAGO

Our most important new bicycle development for 1978 is our recent appointment as the U.S. exclusive catalog representative of the world's Number One racing bicycle, Ernesto Colnago.

Signor Colnago was building handmade custom racing cycles for about twenty years at his small factory near Milano, when a young man from Belgium caught the world racing community by surprise. The racer was Eddy Merckx and the designer/builder with him during so many European triumphs and the one-hour record in Mexico was Ernesto Colnago. As a result of his enduring dedication to winning racing, Colnago bicycles are in use by more winning racers than any other make in the world today. Even many more of the famous winners of mass-producer-brand teams are also riding Colnagos with paint and decal disguises of their sponsor's brand.

The entire operation is 100% devoted to racing bicycles of every possible type and design. There's no retail store, no touring models, no stripped-down cheapie model; nothing to disrupt the goal of remaining number one in the world of racing.

Like a pure extra bonus, Colnago bicycles look as good as they perform. In spite of the fact that a builder as famous as Colnago could get away with cutting corners on appearance details, these frames reveal the highest degree of painstaking finishing detail.

All tubes are mitered and pre-fitted with hand-placed pins in the lugs and tubes before being silver soldered. The pins are visible in the bottom bracket. This assures flawless alignment without cold-setting. While it's possible to make a good frame with simpler methods, Colnago believes that perfection cannot be achieved in the presence of compromising techniques. Ernesto personally supervises every phase of production, all of which is done under one roof. There is no detail which escapes his attention.

Features on both Super and Mexico

Models

Colnago only builds 2 road racing bicycles, the Super and Mexico. The bike you will receive from Bikecology is identical in every respect to those used by some of the world's greatest racers. We stock every size from 49-64cm in a variety of the most popular colors for the Super and gold metallic only in Mexico.

Materials

Super: Columbus 510 Double Butted Cro-Mo "SL" throughout. Special Colnago investment cast crown and bottom bracket. Campy Super Record dropouts.

Mexico: Columbus Super Record ultra-light racing tubing. Entire frame & fork weighs only approx. 1.85 kilos (4 lbs.)

Campy BB cable tunnels and chain stay housing stop.

Dropout adjusting screws included with both models.

Water bottle bosses.

Standards

Italian threaded. Seat tube 27.2mm. BB - 70mm.

Fork: Italian thread - 22.2mm Inside diameter steer tube. Milled for Campy, OMAS or Colnago headset. Dropout width - Fr. 100mm, Rr. 125mm (accepts 5 or 6-speeds)

Finish

Classic Italian design. Chrome crown with painted pantagraphata. Chrome fork tips and dropouts.

Paint is durable oven-baked multi-stage flambouyant or metallic.

Price

We feel our prices are a real bargain considering what this frame represents. Furthermore, a Colnago brings a higher resale value than any other brand in existence.

Freight free Continental U.S.A.

Super frameset

\$339.00

Mexico frameset

439.00

Colors, Sizes

No special orders or changes accepted. We stock every centimeter size from 49-64 in Super and 54-57 in Mexico.

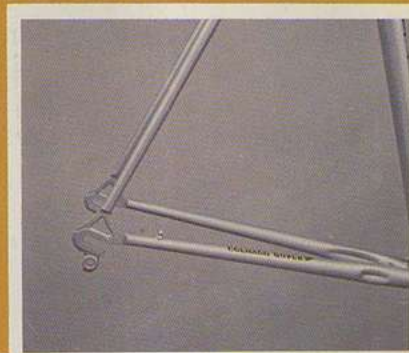
Colors in our inventory:

- Silver metallic
- SCIC blue (silver-blue) metallic
- Colnago lavender
- Gloss black lacquer
- Anthracite metallic (dark silver)
- Blue nouvo (Colnago's classic dark blue lacquer). All time #1 seller
- Gold metallic
- Fire engine red
- Pearl yellow

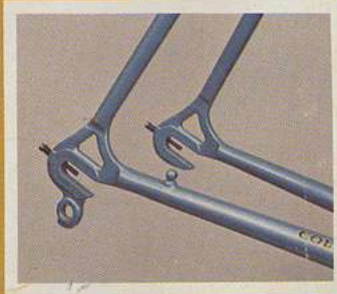
Plus: A few other colors such as green, orange, white, purple, yellow enamel and others may be available through our Santa Monica store.



Investment cast BB shell, cut-out with Colnago clover logo, Campy cable guides, massive Columbus chain stay, both models with wheel indentation.



Chainstay ends are diagonally filed. Campy Super Record dropouts. Stays indented on wheel and chainring sides is standard on all Italian racers.



Special introductory bonus with every frameset

Colnago frame-fit pump and water bottle in special color to match each frame.

\$10.00 Value FREE



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Complete Bicycles

Freight free
Continental USA.

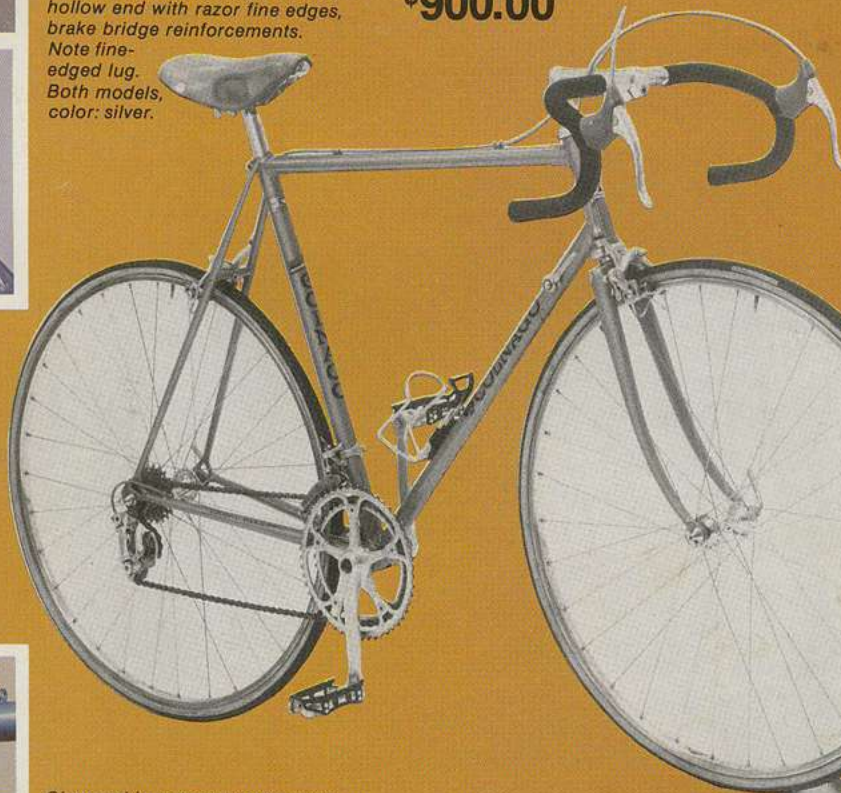


Famous fluted seat stay: a delicate, hollow end with razor fine edges, brake bridge reinforcements. Note fine-edged lug. Both models, color: silver.

Super with Campy Nuovo Record Gruppo and pantagraphic seat post with 53/42 170 and small flange hubs PLUS:

- Regina Oro freewheel
- Regina Oro chain
- TTT stem with Colnago pantagraphata
- TTT bar - cloth tape
- NISI Contach 350 gr rims 36-hole
- Clement cotton tubulars of your choice
- Colnago Buffalo seat
- Colnago headset
- Colnago toe clips and laminated straps
- Colnago pump & bottle

\$900.00



COLUMBUS

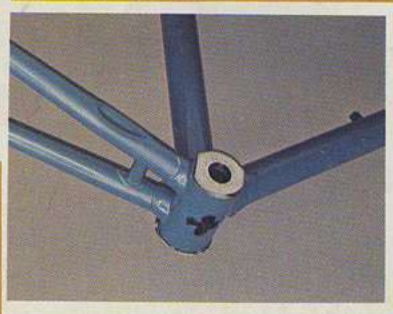
Chromed investment cast crown with fancy panta. 2-point fork rake with blade reinforcements, braze-on Campy lever bosses. Famous Colnago lugs. Top tube cable guides. Both models color: SCIC blue.

Mexico with Campagnolo Super Record Gruppo with SF hubs, and pantagraphata seat post, levers, chainring and stem, 53/42T 170mm, remainder as above plus Clement silks — your choice

\$1150.00

Bottom bracket
Famous Colnago clover cut-out in BB shell of both models. Fine smooth finish is result of costly casting method.

Headset not included.



ALLEGRO



Allegro Corviglia

Made in Neuchatel, Switzerland. First introduced in our 1977 catalog, Allegro immediately jumped to first place among our touring cycles. The world-famous reputation of this great factory apparently preceded our catalog praise, because there were hundreds of people who were ready and willing to order as soon as they saw the page with last year's low introductory price. Now, working with Allegro, we have been able to elicit several important changes which further enhance the bike's appeal. The one point we want to stress is that this bicycle is a true connoisseur's machine. There is no other frame in the world, with the exception of our Mercian Vincitore, which rivals the Allegro Corviglia in beauty and distinction. It is a true collector's item.

Fork:

The new Reynolds 531 Continental-section fork blade was added. This large oval blade closely resembles the Columbus. A new Cinelli crown, plus fork blade stiffeners were also added. The fork bend is completely new. It features 2-point bending, a process the Italians use to create a graceful, even crescent shape instead of the 1-point type of bend on last year's model. The fork rake has been increased to 50mm for more forgiving and easier touring.

Fork Section Comparison

	Reynolds 531		Columbus
	Round/oval taper 18/21 g	Continental style '78 18/21 g	
Crown end	28.7 x 16.6	27.4 x 20.4	28.3 x 20.2
Drop out end	12.1	13.6 (in millimeters)	13.6

Lugs:

Another all-new feature for '78 is the elegant Bocama lugs made of extra-thin 1mm high-tensile steel with large cut-outs. Despite their delicate appearance, these lugs were tested on the team-issue racing bikes all during '76 & '77 with excellent results. It's the prettiest production lug we've ever seen.

Bottom bracket:

In order to save weight (114 grams) and eliminate all French threading, the Corviglia has a conventional pressed steel bottom bracket shell with 68mm BSC threads. This is the same type used on many of the frames we sell and it is a lot more attractive.

Specifications:

Based on popular demand, the Corviglia's angles (57 cm) are approximately 72° parallel with minor variations in other sizes. It's an extremely pleasant-handling touring machine—stiff and light enough for response, yet comfortable enough for very long rides. The Corviglia has special U.S. oriented specs to make it compatible with the most popular components here.

Steerer tube: Thread: English
Inside dia: 22.2mm Eng (see pg. 44)
Thread: English

Seat tube I.D.: 26.8mm
Brake clearance: 27" or 700c w/short reach side pull & fender clearance.

Bottom bracket: Width: 68mm

Everything is English



Tange Levin headset and new fork
Royal blue flambouyant



Price: **\$299.00**
Freight Free
Continental U.S.A.



Finish:

As usual, Allegro easily wins this category. It may be hard to visualize this in today's marketplace, but it is true that each frame is processed as follows:

1. Entire frame shot-blasted to remove all debris.
2. Primer.
3. Base-color coat.
4. Top-color coat. Sometimes these are mixed with pearlescents or metallics.
5. Two separate hand pin-striped colors, performed freehand by a woman with magic hands.
6. Clear protective coat.

If you are the type of person who appreciates style and beauty as well as performance, this is one of the few cycles for you on the market today.

Materials:

Tubing: Reynolds 531 butted tubes, forks, stays, steerer tube.

Lugs: Bocama

Dropouts: Campagnolo adjustable w/eyelets, incl. adjuster screws

Specific elements:

Raised serial number:

A neat rectangular area just below the left seat stay rises about 1/8 inch above the seat tube. The serial number is deeply engraved here then painted white for instant visibility.

Sizes (in cm):

We stock only the following: 50, 52, 54, 56, 57, 58, 59, 60, 62, 64.

Our stock sizes are available in the colors shown, plus others which were not available at the time photos were taken. However, certain size/color combinations may be out of stock from time to time.

Special Fittings:

TA water-bottle cage-bosses: on downtube.

Tip adjusting screws.

Seat binder bolt:

Chromed Allen type.

New Tange Levin headset:

We use this excellent set on many of our bikes because it fits, works and lasts excellently, looks just like Campy Record and is still a bargain. Its races are precision-ground and the crown cone has the same inside diameter as Campy and Dura Ace, thereby permitting easy changeover if desired. Lock nut 22.2mm for Italian and Japanese stems.

Color combinations in our inventory:

Frame	Pin striping	Decals
Fire engine red	white/black	white
Royal blue flam.	red/white	white
Silver blue metallic	red/white	white
Silver metallic	red/blue	red
Orange pearlescent	blue/white	white
Yellow pearlescent	blue/red	blue
Creme de menthe green	white/red	white
Black enamel	gold/white	white
Candy apple red	blue/white	white

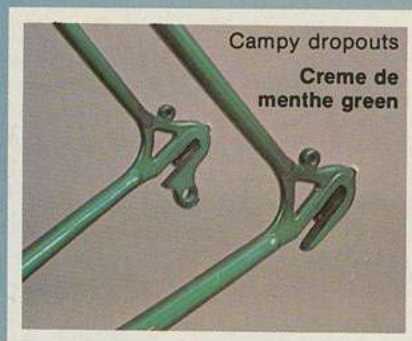
Important note:

It is almost impossible for us to have every color above in every frame size at all times. We urge you to consider several alternatives. The combinations above are only a guide. Changes are frequently made in decals and trim in order to limit duplicates. We want each bike to be as unique as possible.

Price

(Or: A lesson in international economics)
In 1977 we charged \$209.88 for the Allegro as a special low introductory price. Since 1/1/77, the Swiss Franc—the currency we must purchase to pay for our bikes—rose 42.5% against our weak dollar. That would translate into \$300.00 today just for the same bike. Therefore, at \$299.00, this bike is an even better bargain than it was last year. Now the Allegro features better and more expensive Cinelli crown; cut out lugs; bottom bracket; and better painting and workmanship.

\$299.00



Campy dropouts
Creme de menthe green



Bocama lugs and raised serial number
Silver blue metallic



Candy apple red



Fire engine red



Tange Levin headset
Silver metallic



Orange pearlescent



Bocama lugs
Yellow pearlescent

As the most personal item in our catalog, clothing always receives our most critical scrutiny. For 1978, we wanted to take all the guesswork and worry out of mail ordering clothing. The approach was simple—give you the best quality, best known brand in the world—Sergal of Milano, Italy. Unlike most of the other catalogs which promote private label or off-brand clothes, we recognize that famous brands like Sergal in clothing, Colnago, Allegro, Bob Jackson in bicycles and so forth are the customer's best chance of being satisfied. Old timers need no introduction to Sergal. Newer aficionados will be pleased to learn that Sergal has been making cycle clothing for over 40 years and has probably supplied more famous racers than any other tailor. The clothing on these pages is not the cheapest you can buy but it is the best.

Fabrics:

After selling thousands of garments over the years, we have concluded that the most sensible and popular shirt fabric for cycling is pure, soft virgin wool. Wool is the only fabric with a "wicking action" which maintains body comfort by moving heat and moisture away from the body into the atmosphere. In cold temperatures, wool wicks away sweat without an undesirable loss of heat. Unlike acrylic and polyester which do not release heat and moisture, wool never feels hot and clammy. For those who worry that wool might feel "itchy" you must have not experienced the incredibly soft and luxurious Sergal wool. Remember, natural fibres like wool are still the world's standard for quality and that's why they are the most expensive. These are the reasons why all of our Sergal road jerseys are the very highest grade 100% pure virgin wool. The fabrics are knitted in these attractive styles right in the Sergal factory on sophisticated tubular knitting machines. The different colors are knitted, rather than patched together. The spectacular, modern new styles and colors were designed exclusively for us. During the past few years, many new companies have introduced cycle clothing but only Sergal remains the consumer's guide to the best. We urge you to compare our low prices to those of competitive brands. Then you will realize what a value-packed selection we offer.

The Sergal wool jersey

Shpg Wt 1 lb

3 rear pockets with buttons
Zippered collar
Elastic effect on collar and cuff
Designed to fit men

Milano (6)
Short sleeve. Burgundy, blue, gray w/5 stripe cuff & collar **\$23.50**

Belgium (1)
Short sleeve. Bright red, white, black **\$23.50**

Sergal jersey sizes			
Sizes USA	Italian	Sizes: USA	Italian
X-Sm 34"	1	M-L 40"	4
Sm 36"	2	Lg 42"	5
Med 38"	3	X-Lg 44"	6

Sweden (2)
Short sleeve. Royal blue and yellow. **\$24.50**

Sergal pants
Wool cycling shorts (7)
with extra fina chamois

Montreal (3)
Short sleeve. Orange, turquoise, black, white. **\$23.50**

The industry standard of excellence for over 40 years, Sergal shorts need no further introduction than to state that these are Sergal's very best, 100% virgin wool, doubleknit with the most expensive chamois obtainable. Don't be fooled by the fact that most cycling shorts look the same. There is a world-wide

France (4)
Long sleeve wool **\$25.50**

100% nylon track
w/o pockets
red, white, blue **\$18.50**

Munich (5)
Short sleeve. Navy blue, yellow-gold, red **\$23.50**

Bikecology cycle clothing



shortage of premium chamois and only the old, big-timers like Sergal can obtain it! One rear pocket. Elastic waistband. Black only. Shpg wt 10 oz. Sizes: 1-6

G650W **\$24.50**

Wool tights (8)
with extra fina chamois
Designed for cold weather, identical to shorts but full length with snug fitting cuffs. Sizes: 1-6 Black. Shpg Wt 1 lb

G651 **\$28.50**

Cotton Shorts (9)
Same famous fit and quality as wool shorts. Rugged Egyptian cotton knit that looks just like wool. Easy care, cool and

comfortable in hot climates. Holds up best of all the cotton shorts we tested. Normal grade chamois. One rear pocket. Black. Available May-October only. Sizes: 1-6. SW 10 oz

G650C **only \$17.50**

Knickers (10)
This popular European article is really catching on here now. Well tailored and roomy, knickers offer a nice compromise between cycle shorts and slacks. Seat is reinforced, without chamois. Made of soft cotton flannel, velcro knee closures, 4 normal pockets. Attractive black and white houndstooth pattern. Should be worn with knee socks

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which are available everywhere.
 Sizes: 1-6. SW 12 oz

G-93 **\$19.50**

Sergal pants sizing information			
Sizes: U.S.	Ital.	Sizes: U.S.	Ital.
XS	28"	1	ML 34"
S	30"	2	L 36"
M	32"	3	XL 38"

Cool Gear touring shorts (11)

Fantastic new style with attractive looks and just the right stretch for comfort and total movement. Two patch pockets placed to the side allow free pedalling, zipper fly, combination elastic drawstring waist for unisex sizing; and soft terry cloth cotton that replaces the traditional chamois seat.

33% cotton/62% polyester/5% lycra
 Sizes: s, m, l, xl. Drawstring makes it fit women. Khaki, navy.
 S.W. 10 oz. **\$22.88**

Sergal leg and arm warmers

These very comfortable 100% virgin wool warmers are snug-fitting devices for warming up before races or as a cold weather supplement to shorts and short sleeve jersey. Tight knit prevents sagging and clumping. Stow neatly in jersey pocket or water bottle cage when not in use. SW 10 oz

Leg warmers (12) \$13.50/pr.
 Short (fits up to 32" inseam) G90S
 Long (fits over 32" inseam) G90L



Arm warmers (13) \$6.50/pr.
 Short G91S
 Long G91L

Cycling gloves

Gant cycling glove (14)

Always our biggest seller year after year! The classic French hand-made glove of soft tan suede and elegant cotton crochet. Very comfortable padding, impeccable quality and fit. Sizes: 6 1/2, 7, 8, 9, 10.

G-10 Shpg. Wt. 3 oz. **\$13.95**

Winter cycling glove (15)

Specially designed to overcome one of the most annoying and unnecessary problems associated with cold weather riding—frozen hands. Fabric is special thermal-type synthetic with snug knitted gauntlet that fits well up on the arm. The genuine deer skin portion is elegant, soft and sensitive to the touch. Palm is foam cushioned, U.S. Colors: fabric—red/leather—cream. Sizes: Sm, M, Lg. Sizes tend to be large.

S.W. 5 oz. **\$13.50**

Bikeology deluxe glove (16)

Most customers are surprised at the nice quality and comfort of such a low priced glove. It's hand-made with cotton crocheted back, smooth, thick leather and velcro closure. The palm is thickly padded. Leather is light beige. Easier to clean than suede. Sizes: 6, 7, 8, 9, 10.

G-11 Wt. 3 oz. **\$8.95**



Sergal caps

Wool caps (17)

Tremendously popular in Europe and really designed for cycling because it takes the cold air off your neck and ears. Firm bill. Back can be pulled down over ears and neck. One universal size. Double layers of rich knitted fabric. SW 5 oz.

3 beautiful colors:
 Royal blue SRG-C1
 Burgundy SRG-C2
 Light gray SRG-C3 **\$10.88**



Cotton caps (18)

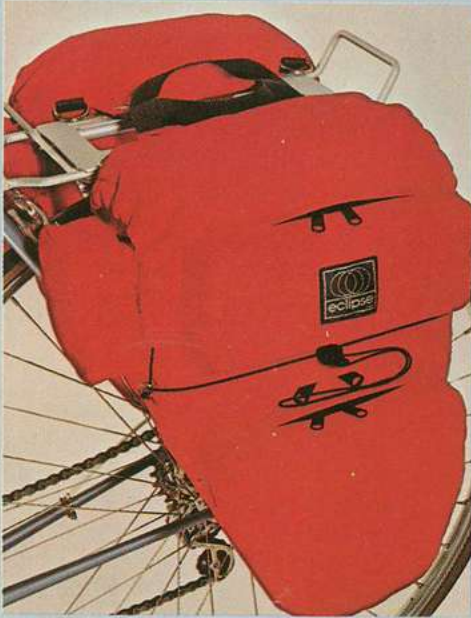
Best of 3 qualities available. Heavy duty 100% cotton, 5 stripe ribbon on top, reinforced bill. Silk screened. Looks great after many washings! Shpg wt 2 oz.

Campagnolo	G59C	\$2.00
Dura Ace	G59D	2.00
Sun Tour	G59T	2.00
Bikeology	G59B	1.00
Bike Shops		

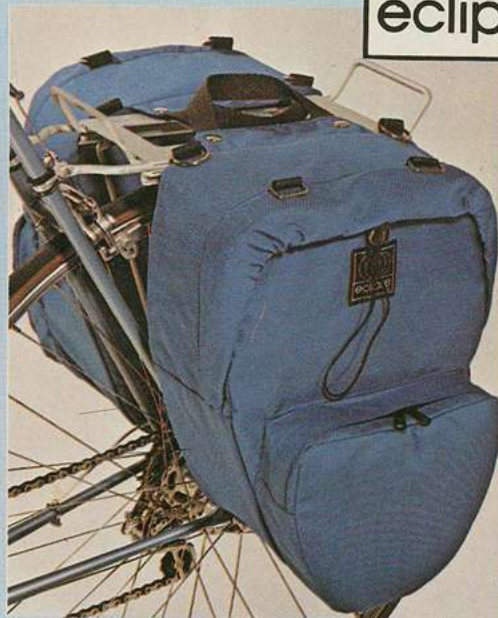
Color Samples



Packs



Professional Red

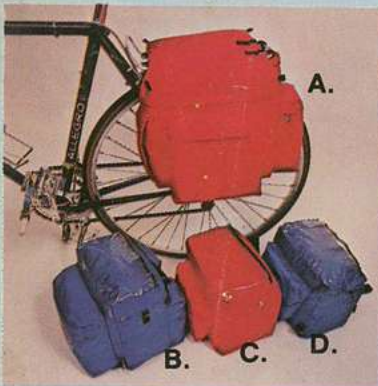


Standard Blue



Normad Orange

Bikeology Bike Packs. (pgs. 16-17)



- A.) Cordura Nylon Red
- B.) Cordura Nylon Blue
- C.) Oxford Nylon Red
- D.) Oxford Nylon Blue
- E.) Brown
- F.) Red



- G.) Yellow
- H.) Green
- I.) Light Blue
- J.) Orange
- K.) Dark Blue

Handlebar Tapes (pg.68)



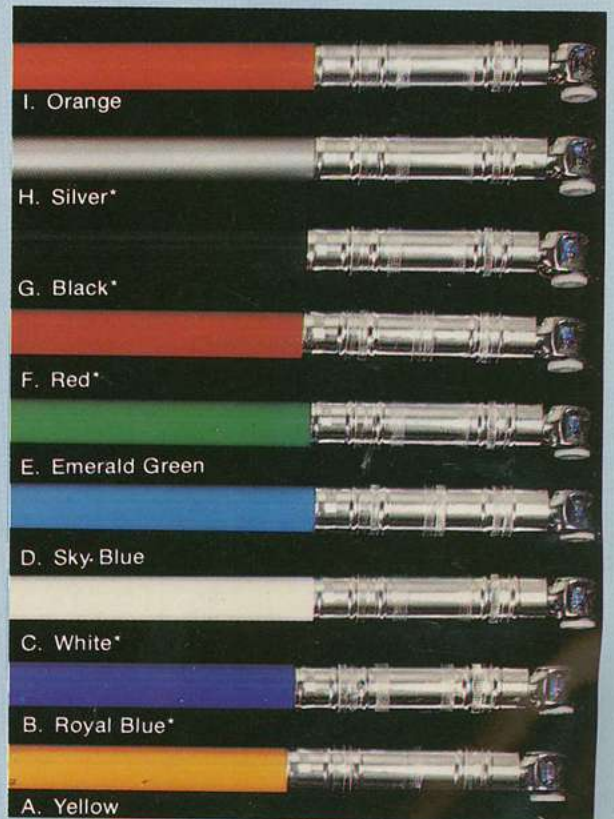
- A.) Gray
- B.) Light Blue
- C.) Dark Blue
- D.) Red
- E.) Purple
- F.) Black
- G.) Brown
- H.) Yellow
- I.) Orange
- J.) Green
- K.) White
- L.) Gold
- M.) Red
- N.) Light Blue
- O.) Dark Blue
- P.) Gray
- Q.) Black
- R.) Wheat
- S.) Green

Bleumels Fenders (pg.81)



- A.) Buffed Aluminum
- B.) White
- C.) Yellow
- D.) Sky Blue
- E.) Royal Blue
- F.) Metallic Blue
- G.) Forest Green
- H.) Black
- I.) Candy Apple Red
- J.) Flat Red

Silca Impero Pumps



I. Orange

H. Silver*

G. Black*

F. Red*

E. Emerald Green

D. Sky-Blue

C. White*

B. Royal Blue*

A. Yellow

Cycling helmets

The Bell cycling helmet

Bell has a tradition dating back 20 years for uncompromised excellence in head protection. The cycling helmet endured months of testing and evaluation in the laboratory and in the field. It's been proven under every possible type of cycling use.

It's light, provides outstanding shock absorption, is well ventilated, and protects against intrusion of foreign objects. Its red nylon retention system is fully adjustable and keeps the helmet squarely centered with no annoying slip. The system features an improved positive-locking D Ring with an integral quick-pull tab for fast removal.

Sizing is achieved by means of quick-attaching Velcro fasteners on each pad. Various lengths are available to enable us to give you a perfect fit.

Construction

The outer shell is high impact Lexan, chosen for its high strength-to-weight characteristic. Beaded polystyrene polystyrene forms the shock absorbing inner liner and is soft and washable. Wide angle, uninterrupted vision and red reflective racing stripes add to the safety.

Comfort

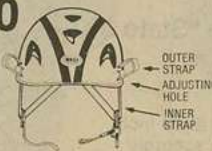
Wide-tunnel tested air scoops induce a constant flow of fresh air through the helmet, keeping rider cool even on the hottest days.

Guarantee

Any Bell cycling helmet found to be defective by the Bell factory within one year from date of sale to the original purchaser for use will be repaired or replaced at the option of Bell and returned to you without charge.



\$32.50



SIZING CHART

Measure as shown.	
Inches	Helmet Size
21 1/4	6 1/4
22	7
22 1/4	7 1/4
22 1/2	7 1/2
23 1/4	7 3/4
23 1/2	7 3/4
23 3/4	7 3/4
24 1/4	7 3/4

How to Determine Your Correct Bell Helmet Size

1. You'll need a fabric tape measure like the kind tailors use. Place the tape at the center of your forehead and measure all the way around. It's best to have a friend do this for you.
2. Note the TOTAL number of inches showing at the point where the tape meets.
3. Use the SIZING CHART to convert the total inches to the nearest helmet size.
4. Detailed fitting information, cleaning, strap adjustment, quick release, and other pertinent information will be included with purchase.

COMPETITIVE CYCLING

A UNIQUE SPORTS PUBLICATION FOR THE RACER AND THE TOURIST.

*TOURING ARTICLES (bike maintenance, safety features, "CHP vs. Cyclists") *PRODUCT EVALUATIONS (read our upcoming component evaluation series) *TRAINING ADVICE *FULL COLOR COVER & CENTER-SPREAD *INSIGHTFUL, IN-DEPTH RACE COMMENTARY (U.S. & European) *RAUCOUS CYCLING HUMOR *COLUMNISTS (from the wacky to the informative).

RATES:

- 1 year (12 issues) \$7.00
- 2 years, \$13.00
- 3 years, \$18.00

Send to:

Competitive Cycling
P.O. Box 2066
Carson City, NV 89701

Cool Gear Superhelmet

More protection than our Superhelmet but less than Bell. Made in molded ABS plastic with fully adjustable web suspension. Extremely cool to ride in warm weather. Lightweight at 17 ounces. Sizes: fits size 6 3/4"-7 1/2" or 21 1/2"-23 1/2" head circumference. White or orange. S.W. 3 lbs.

CGH265 \$19.88

Guaranteed Lowest Price!



Ordering instructions page 37
Order form page 63

Bikecology Superhelmet

This model has undergone numerous design changes to provide you with the very utmost in comfort, ease of use, and safety in a soft-type helmet. Our new helmet features precisely sized injected foam padding in every section. Thus, there are no floppy unfilled or baggy portions. You get foam protection on these important parts:

- Forehead and occipital
- Ear piece
- Temple bond
- Side-to-side piece
- 3 front to back pieces

Construction is with rugged sewing and reinforcement with two piece rivets in stress areas. Our rivets are completely smooth on both sides as opposed to star rivets which can scratch your skin. Chin strap attaches with snap on one side and double D rings on the other side, permitting the kind of exact micro-adjustment necessary for safety. There's no belt buckle to mess with. And the attachment points are on the ear piece—not under the chin. Made in leather-like vinyl. Black. Sizes 55-60 cm. A.W. 229 gr/S.W. 12 oz.

G51 \$12.95



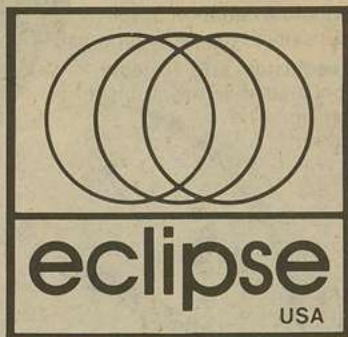
To order helmet:

Sold in Metric size. Multiply your head circumference in inches by 2.5. Example: head arc of 22 inches x 2.5 = 55 centimeters (metric size). Naturally, we'll accept either figure.

Write: G51 _____ your size

Eclipse bicycle packs for 1978

1976 was the first year we offered Eclipse packs in our catalog. The consumer response was incredible as the brand became our top seller almost immediately. The Eclipse designers deserve a lot of credit because unlike all the other bag makers, they started from "scratch" and copied nobody. The attention to minute detail and perfection is unlike anything



we have seen before and the result was zero defects for 1976. With all the other bags we have sold, many customers have written to us about their ideas for changes but this is not the case with Eclipse. We work closely with Eclipse to remain well informed and well stocked throughout the model year so you are assured of fast delivery.

Eclipse Slide Mount System on all Eclipse Panniers

Here's why we advertise Eclipse as the "State of the Art"

Upper Attachment

All Eclipse panniers attach to a rack by means of an eight inch long fabric encased lightweight fiberglass rod which is securely and permanently attached at the top of each pannier. This rod exactly corresponds to a tubular "female" fitting made of lightweight extruded aluminum which attaches easily and securely to any existing bike rack, or is an integrated part of the revolutionary new Eclipse Rack (see rack section for further details) which is available from us for \$24.95.

Once the rods are in place in their channels (photo), the panniers are prevented from shifting by means of 2 durable steel snaps. Thus, the pannier is supported over the entire 8" length of the rod. This method is far superior to other designs in which the pannier's entire weight is supported at one or two small hooks.

Lower Attachment

The system doesn't really require any method of lower attachment; however the new Eclipse rack has a short horizontal rod which corresponds to a webbing receptacle located at the bottom of all panniers. It becomes engaged at the same time that the pannier is inserted into the top support channel. One quick easy operation. No moving parts, nothing to go wrong.

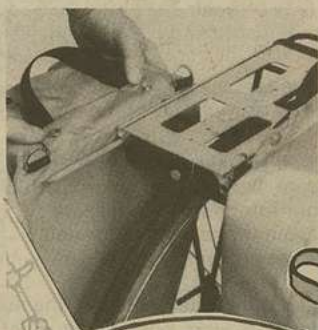
The unique wedge shape fits neatly into the rear geometry of the bicycle. The center of gravity is lower, thus increasing stability. Protruding lower corners can't get into the spokes because they have been eliminated.

All panniers use the new polypropylene stiffeners for added rigidity. It's also removable so that the bags can be laundered. But since most brands have some kind of stiffener you might ask, what's the big deal. Well, this stiffener is just like the corrugated board used in boxes. It bends on the vertical, but not the horizontal plane. Therefore, if you are carrying one pack on your back, the stiffener will comfortably conform to the contour of your body. And, unlike metal which has sharp edges, this stiffener cannot cut the nylon in the pack. Best of all, it's virtually weightless.

All panniers have double sewn or bartacked reinforcements at all stress and abrasion points.

All YKK coil zippers are covered for protection from moisture and abrasion. Every zipper has two sliders for extra accessibility and zipper ends are double stitched and protected by a double layer flap.

A handle is built into the top of each pack so the packs can be snapped together and carried like a suitcase when they are off the bike. Or either pack can be dismounted and carried separately. In addition, two "D" rings are fitted to the top of each pack for lashing down cargo carried on top of the rack. These rings are also used with the optional (except for Professional which features straps as standard equipment) shoulder strap for carrying the pack as a backpack (see photo).



■ An 8 inch long fabric encased lightweight fiberglass rod is permanently attached at the top of each pannier.



See p. 18
for more
rack info

Materials

Fabric: 6 oz. nylon Oxford and 8 oz. Cordura nylon both with waterproof coating.

Thread: Size 36/13 cotton wrapped polyester with 8 stitches per inch and bartacked reinforcements at high stress locations.

Zippers: #5 polyester coil with 2 sliders, treated with water and mildew resistant material. All zipper ends are double stitched and the zipper itself is protected by a double layer flap.

Strap webbing: Strictly nylon, bar-tacked at all points of stress.

Other materials: Velcro fasteners, chrome plated hardware, and expanded polyfoam sheet shapers.

Colors: Royal Blue, Dark Red, Safety Orange.

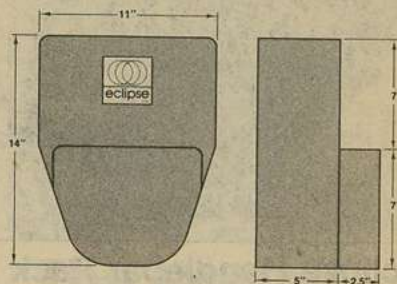
Eclipse panniers

The Standard Panniers

The standard panniers meet the requirements of most bicycle tourists. Their size and shape are well suited to both weekend tours or extended trips. Constructed of durable waterproof 8 oz. Cordura® Their large main compartment has a generous 24 inch YKK #5 nylon coil zipper with the exclusive hooded closure for added weather and abrasion resistance. The standard panniers have a spacious outside pocket mounted low for optimum weight distribution. As with all eclipse panniers, they convert to a functional day pack with the addition of the optional shoulder straps.

Weight: (per pair) 24.64 oz. 698.54 gr.

\$49.95 pair Shpg. Wt. 29 oz. E-STP



Professional

The Professional Panniers (formerly Transcontinental)

The Professional Panniers were conceived from the onset to represent the state of the art in pannier design. Their exclusive features and superb detailing will satisfy the most discriminating bicycle tourist. Eclipse has spared absolutely nothing to make them the finest rear panniers available anywhere in the world.

Each pannier has 6 individual compartments, including a unique divided main compartment with a versatile zip-out divider. This divider allows the main compartment to be used as a single large compartment or two smaller ones. Access to the bottom compartment is provided by a 20 inch YKK #7 coil zipper which zips around 3 sides of the bag.

These features combined with the Slide Mount System® and traditional Eclipse quality put the Transcontinental panniers in a class by themselves.

Other features:

- A three inch extendable sleeve at the top of the main compartment

increases load carrying capacity.

- The sleeve has a reliable draw string closure. A quick release draw-string flap over the sleeve provides complete weather protection and helps to compress the load.

- A 72 cubic inch pocket on the outside of the flap is a great place to carry your first aid kit or toilet articles.

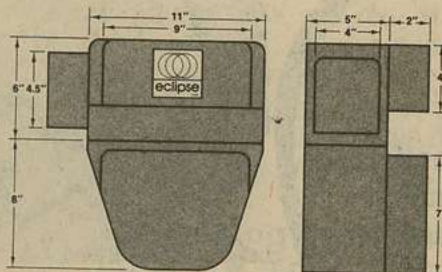
- The stiffener pocket on the inside of the pannier is the perfect place to carry extra maps and papers.

Weight: (per pair) 34.24 oz. 970.70 gr.

Volume: (per pair) 1075 cu. in. 17619.3 cu. cm.

Shpg. Wt. 37 oz. E-PROP

\$84.95 pair



The Nomad Panniers

The Nomad panniers were designed for the serious bicycle touring enthusiast with a limited equipment budget. They employ many of the same features found in the other Eclipse panniers, but are constructed of durable 7 oz. nylon pack cloth, rather than cordura. They are the same size as our standard pannier, with the outside pocket eliminated. The Nomads attach to the carrier with the exclusive slide mount system, and snap together to become useful hand luggage.

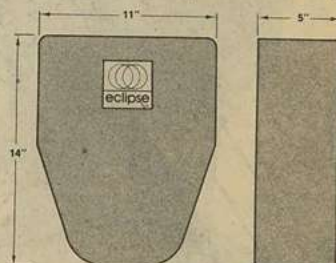
With the addition of our optional shoulder straps they convert to functional day packs. E-NOP

Weight: (per pair) 19.84 oz. 562.46 gr.

Volume: (per side) 680 cu. in.

11145.2 cu. cm. **\$29.95**/pair

Shpg. Wt. 25 oz.



Pedals

KKT Pro Ace Road

Our most popular professional racing pedal, the Pro Ace is indistinguishable from a Campy Record in appearance. Several improvements such as the upswept side plate end designed to maintain foot position and the water repellent knurling make it a leader in its own right. Available in French thread at slightly higher cost. Japan.

Features:

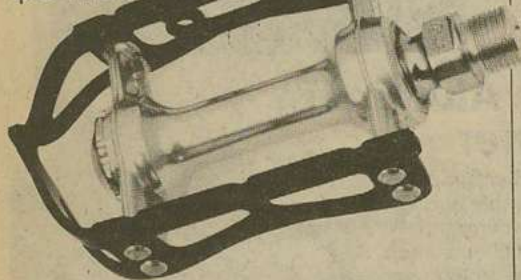
- Forged light alloy body, anodized.
- Special alloy steel milled, tempered spindle.
- Special knurling to deflect water away from bearings.
- Extra hard chrome plated side plates for durability.
- Stainless steel hardware.
- Completely rebuildable.

Superlight

With aluminum, black anodized side plates. Size: 60mm; Width: 60mm; AW 370 gr/pr. Sold with reflectors. English only.

KKT-2

\$31.89



Pro Ace Road

Steel side plates.

Size: 60mm; Width: 60 mm; AW 460 gr/pr. w/English 9/16" x 20 TPI thread

KKT-1E **\$27.89** english

w/French thread

\$30.89

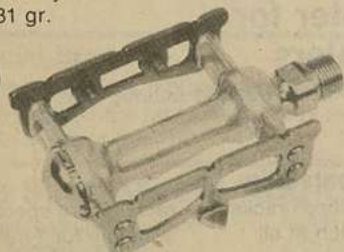


KKT Pro Ace Track

Same body and internal components. Only difference from road is lack of wrap around "quill" and reflectors. Steel cage plates. English thread only. Size: 60mm; Width: 60mm; AW 431 gr.

KKT 3

\$28.89



Shipping Weights:

w/reflectors - 1 lb.

w/o reflectors - 1 lb. 5 oz.

KKT Pro Lux

The ultimate

Finally the precision and reliability everyone's been waiting for. This new model features dust and water proof sealed needle bearings instead of the typical semi-shielded balls. The axle is lightweight, strong chromoly. Body is forged aluminum, highly polished and anodized for a beautiful pearl finish. Frame is aluminum. Light alloy cap. Finest quality in every detail. English silver only. Strap attachable. Includes reflector.

AW 320 gr (11.3 oz)

/SW 1 lb.

KKT-PL

\$49.89



**Sealed
needle
bearings**

Pro Vic

There are 2 main differences between the Vic and Ace models. First, the Vic body is cast instead of forged aluminum; and second, the Vic axle is heat-treated carbon steel instead of high chromium content alloy steel. The overall appearance with reflectors is just like the Pro Ace. It's a good intermediate bargain which will last many years with average use. Available with black side plates only. Strap attachable. Size: 61x61mm. AW 350 gr (12.3 oz)/SW 19 oz

KKT-V

\$23.98



Black only

Pro Ace Spare Parts

Dust cap - steel

S.W. 2 oz. **\$2.00** ea.

Ball race

S.W. 1 oz. **\$4.50**/pr.

Axle Specify L or R

S.W. 4 oz. **\$7.50** ea.

KKT Top Run Aluminum Quill Pedal

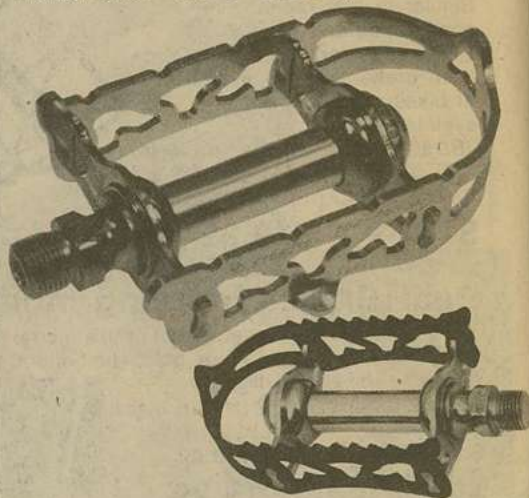
Here's a cheap way to give your bike that pro look plus better quality than typical original equipment pedals. Axle is carbon steel with aluminum tube housing. Cross-members are chromed steel and side plates are aluminum. Better finish and reliability than European pedals costing twice as much. Our biggest seller three years in a row. Includes lightweight reflectors. Slot for toe strap. Size: 60x60mm. AW 360 gr (12.7 oz)/SW 19 oz

mail order/store

English Silver KKT-4 **\$8.90/9.88**

English Black KKT-6 **\$9.90/10.88**

French Silver KKT-5 **\$8.90/9.88**



Cinelli M-71 Pedal & Cleat

Original and brilliant design. Eliminates clip and strap and any power loss on upstroke because there's no clip to stretch. Pedal grooves accept only matching Cinelli cleat (included) which nails to shoe. Quick release button locks and releases by push/pull of easy access button on outboard side of pedal. Recommended for track and road racing but could be dangerous in city traffic. Pedal is forged aluminum, Campy quality. Cleat nylon.

CIN-M71

\$75.00



cinelli

Campagnolo Pedals

Finest Available

Campagnolo Record pedals

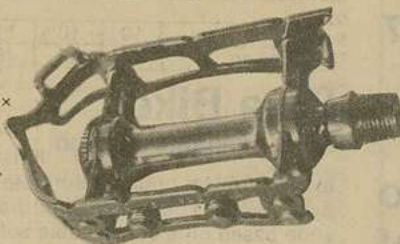
Every Record model offers excellent materials, craftsmanship, and performance. They cost more

than the imitations but they are worth it. All Campy pedals have 9/16 x 20 TPI English threading only.

Record Road

Forged aluminum body with chrome steel side plates. 9/16" x 20 thread only. W/o reflectors.

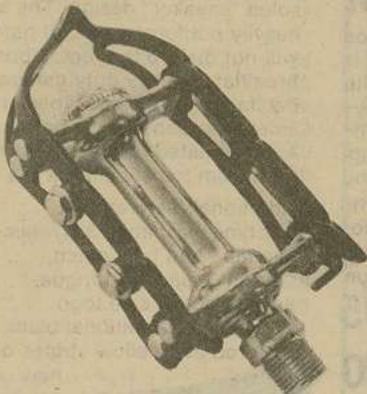
C1037 **\$39.88**/pr. 436 gr.



Record Road Superleggero

Same as #1037 with black anodized aluminum side plates.

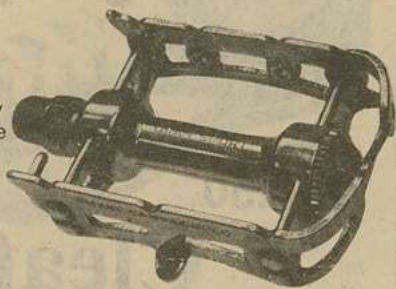
C1037/a **\$49.88**/pr. 337 gr.



Super Record Road

Exterior resembles record models but spindle is titanium and other components are superior. Black alloy plates. 9/16" x 20 only.

C4021 **\$104.88**/pr



Gran Sport

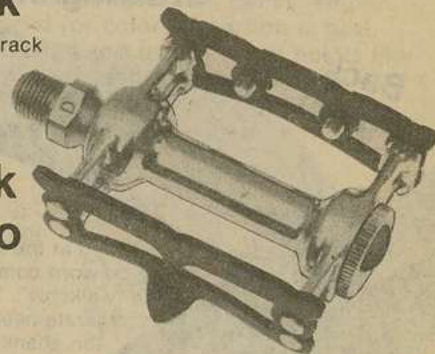
Same appearance as Record but lighter weight and slightly rougher finish. Aluminum side plates, high quality Record chrome molly axle, cones, balls, and dust cap. Pressed inner race is stamped instead of forged as on Record.

A.W. 340 gr. C3700 **\$29.88**

Record Track

Same as #1037 with steel track side plates.

C1038 **\$39.88**



Record Track Superleggero

Same as #1038 with black aluminum plates.

C1038/a **\$49.88**

Super Record Track

C4121 **\$104.88**/pr.

Campy Pedal Spare Parts

Record Dust Cap - steel

C679 **\$2.85** ea. S.W. 2 oz.

Record Road axle only Specify right or left.

S.W. 3 oz. **\$15.00** ea.

Superleggero and Super Record

Alloy dust cap. S.W. 2 oz.

C679/a **\$2.85** ea.



Oogah horns and sirens were popular in the late '30's.

Bikeology Nostalgia:

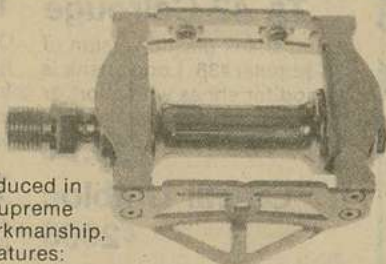
Remember when bikes looked like this?

Barelli Pedals

Barelli Supreme Aluminum Pedal

Of all the Barelli models we introduced in our 1977 edition, the aluminum Supreme was the winner. All materials, workmanship, and appearance are top class. Features:

- Removable, replaceable top plate
- Ni-Cr steel heat treated axle
- Large pick-up projection for easy flipping
- Deep grooved ball races
- No maintenance, independently sealed bearings
- Actual weight 336 grams. Silver



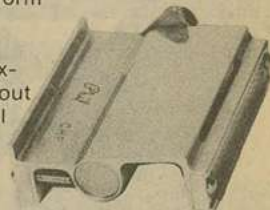
P-BSA **\$49.89**

Phil Wood platform

A revolutionary design; forged aluminum platform with integrally mounted sealed ball and roller bearings. Heat treated steel spindle, stainless steel hardware, built in approved reflectors. Extremely efficient and comfortable with or without cleats. English thread only. Wt. 325 gr. Typical Phil Wood innovation and quality.

PW S.W. 1 lb.

\$51.00



Cats Eye Pedal Reflector

Fits every make. Clean, trim appearance. No rattles. Superlight. Set of 4 = 2 1/2 oz! Mounted in gray plastic. Approved by all government and manufacturer officials. S.W. 4 oz.

PRF **\$1.50**/4



**S.W. All Makes 1 lb. 5 oz. w/reflector
1 lb. w/o reflector**

Replacement Top Plates

Aluminum for Supreme. Includes wrench, screws, etc. S.W. 2 oz.

\$13.95



Pedal Dust Cap Wrenches

S.W. 1 oz.

Campy #710 **\$1.95**

Lytard **1.50**

Pro Ace **1.95**

Artisan Pro Ace/
Campy 2 in 1

1.95



Brakes

Universal CX Competition



One of the great bargains from Italy: a top quality high performance product with international popularity for about 35% less than competitor's brands. **Our Best Buy**

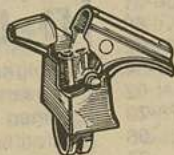
The other Campy types look like Campy but the CX is equal in quality, design, and performance. Best of all, price is about 35% less than Campy's average national retail. High polished super duraluminum used in caliper, shoe, lever body, and handle. Steel parts are richly chrome plated. Study the features and compare!

Front A46 B57
Rear A48 B57
A.W. 1 lb. 10 oz./S.W. 2 lb. 5 oz.



Lever: Handlebar attachment bolt passes through the aluminum lever body rather than through a hollow pivot pin as on Dura Ace and Gran Compe so CX pivot pin operates independently of extreme pressure from attachment bolt. Solid pivot pin is removable allowing replacement when worn. Lever attaches to handlebar clamp via big 5 mm. steel allen bolt. Brake set includes the 5 mm. wrench. Absolutely no slop or side play in handle.

Final adjustment performed with large diameter screw type adjuster atop level. Hand rest atop lever is comfort-designed.



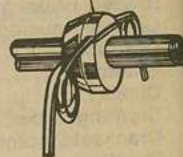
Calipers: Cold forged from the finest alloy. Highly polished and anodized. Front and rear together weight 1 1/2 oz. less than Campag. Record.

Cable Attachment: The cable-through-hole method is the surest and safest because there is no way human error in placement can occur.

Cable: Stainless steel cable within a cable. Outer has 12 stands and inner, 7. Each set is wound in opposite direction eliminating unwinding and stretch. Soldered ends won't fray.

Center Bolt Design: 13 mm. and 14 mm. flats aid easy centering and adjustment. Cone wrench included. Aerodynamic end nut has removable rubber plug for 5 mm. (included) hex wrench. Double sided serrated washer keeps brake centered, reducing frequency of adjustment.

Quick Release: A cam lever allows any degree of release. Not just open and close. Won't flop open.



CX with non-ornamented levers
\$59.88 Art. 700

CX with ornamented levers
(pantographata) Art. 701
\$69.88

CX hooded regular lever
S.W. 6 oz.
CX700 **\$8.50** ea. **\$14.88** pr.

CX ornamented lever
A.W. 3.1 oz./ S.W. 6 oz.
CX701 **\$13.00** ea. **\$19.88** pr.

CX gum hood S.W. 2 oz. CX-HD **\$5.88/pr.**

CX adjuster hood S.W. 1 oz. CX-ADJ **\$9.95** ea.

CX lever handle S.W. 2 oz. CX-HAN **\$5.00/pr.**
for Art. 700 lever

CX rubber replacement pad CX 97/17 **\$3.95/4**

Universal Super 68 Side Pull

A classic! Still stock on many European racing bikes. Very stiff and fast responding calipers, excellent QR and lightweight. Levers have comfortable hand rests with large soft natural gum hoods and micro adjusting cone at top. Sold in complete sets 102 front/103 rear. A.W. 1 lb. 8 oz.

Front A41 B54 (close)
Rear A50 B63 (long)

S.W. 2 lbs. **\$17.88** /set

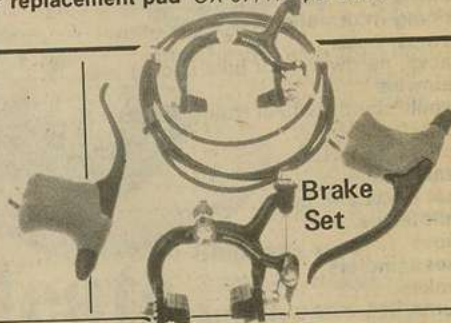
Super 68 gum hood
S.W. 3 oz. B68H **\$3.50/pr.**

Super 68 adjuster hood-black
S.W. 1 oz. B68AH **\$1.00/pr.**



Univ. Shoe and pad assembly

Short - 36 mm. for Mod. 68 set of four S.W. 4 oz. B68205 **\$4.39/set**

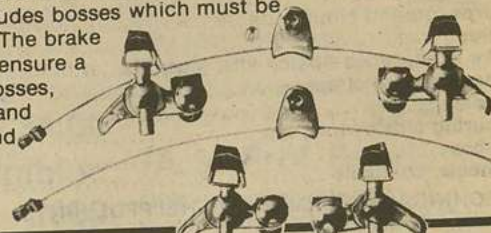


Brake Set

Shimano cantilever Mod. BE-100 **\$11.95/set**

This is the greatest leverage rim friction brake available. Ideal for tandem and cyclocross. The set includes bosses which must be brazed onto the fork and seat stay. The brake shoes can be adjusted in 3 ways to ensure a perfect rim contact. Set includes bosses, brake units (4), 2 transverse cables and saddles. Does not include levers and long cables. A.W. 338 gr (11.9 oz.)

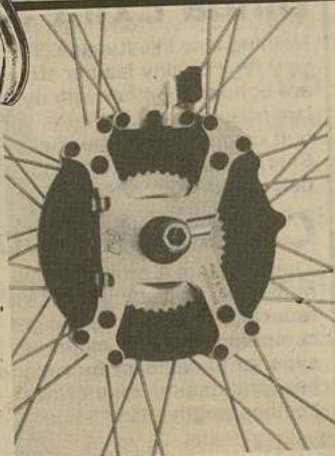
S.W. 1 lb. BE-100



Phil Wood Disc Brake

Easily the world's best engineered, best stopping disc-type brake. Requires special Phil hub which is threaded on both sides. The hub can be custom made in widths from 100-140 mm to fit any frame, front or rear. Weighs only 1 1/2 oz. and has quick release cable for easy wheel removal. This is a very technical item and if you would like more information, send us a stamped, self-addressed envelope, marked "Phil Disc", for the complete story. S.W. 22 oz.

\$129.95 ea. PW-DSC

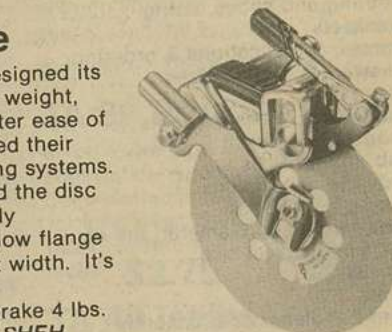


Shimano New E-type Disc Brake

Shimano has completely redesigned its popular disc brake for lighter weight, smaller overall size, and greater ease of maintenance. They have added their auto-adjust and self energizing systems. The body weighs 17.7 oz. and the disc only 8 oz. The system fits only Shimano's special 36H steel low flange hub with 123mm overlocknut width. It's a real bargain at this price. S.W. complete set hub and brake 4 lbs. B-SHEH

Brake \$20.00
Hub \$ 6.00

B-SHEH



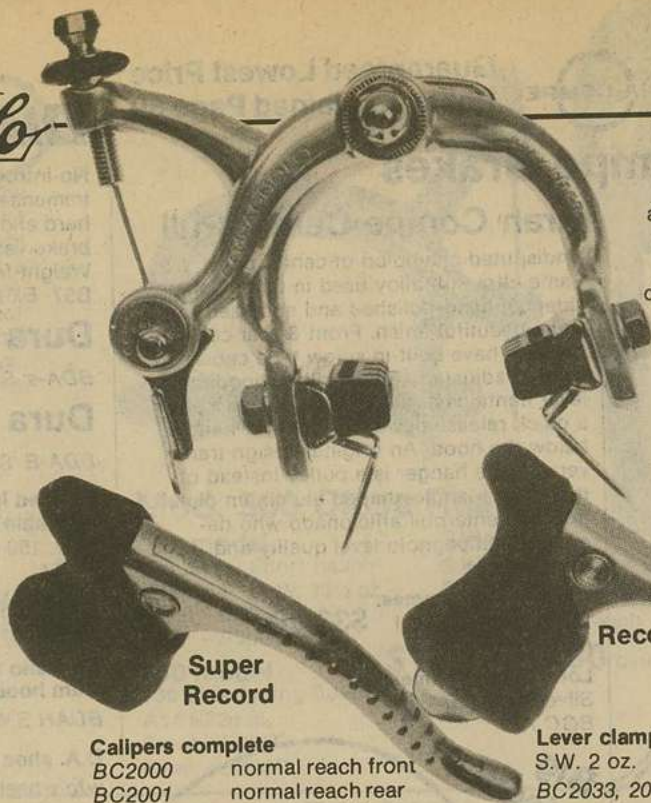
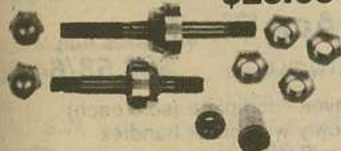
\$25.00/Set

Brakes

Campagnolo

OMAS Brake Bolt Kit

Less than half the weight of comparable Campag. parts! Titanium center bolts and light alloy brake shoe nuts. Fits Campag. and Dura Ace. Italy OM-151 S.W. 2 oz. **\$25.95**



Spare Parts

Record hooded lever Complete
S.W. 6 oz. ea. 14 oz/pr. BC2030
\$27.25/29.00/ea

Super Record hooded lever Complete
S.W. 6 oz. ea. 14 oz/pr. BC4062
\$33.88 ea. \$63.88 pr.

Record lever handle
S.W. 3 oz. BC2032 **\$11.40**

Super Record lever handle
S.W. 3 oz. BC4063 **\$14.95**

Lever body
BC2031 **\$11.40**

Gum rubber hood
BC2039
\$7.75/8.75/ea

Callipers complete

BC2000 normal reach front
BC2001 normal reach rear
BC2000/1 short reach front
BC2001/1 short reach rear
S.W. 8 oz. **\$44.95 ea.**

Center bolt only

front - S.W. 2 oz. BC2012 **\$9.25**

rear - S.W. 2 oz. BC2012/1 **\$8.75**

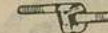
Brake shoe and pad assembly complete
consists of 2 ea: 2014, 2010, 2003, 2022
Pair (right and left)

\$18.95

Lever clamp and nut

S.W. 2 oz.
BC2033, 2037 **\$5.15**

Brake pad (rubber) only
S.W. 2 oz. BC2010
\$2.25 ea \$7.40/8.50/4

Drop center bolt 
(for rear)
S.W. 1 oz. BC2012/2 **\$12.95**

Top tube cable clips (3)
S.W. 1 oz. BC649 **\$3.69/5.00/set**

For cables and housing see p. 28

The most copied. Everything in it is brilliantly designed and made of the finest materials. There are two models, record and super record and two versions; normal (A48-B56) and short reach (A43-B51).

The normal rear can be lowered with a drop (offset bolt) to fit most frames designed for long reach brakes. It's rare to need extra short reach so do not order it unless you have carefully checked the measurements. To convert normal to extra short reach, simply order the short stirrup arms involved (#2019/1 [2], 2020/1, 2020/2 below).

Important: Set Doesn't include top tube cable clips, (may be purchased separately for 5.15 /set of 3) A.W. 1 lb. 11 oz.

Record Brake Set

Normal reach
S.W. 2 lb. 6 oz. C2040

\$89.88

Short reach
S.W. 2 lb. 6 oz. C2040/1

\$89.88

Super Record brake set

Identical except for drilled handles

Normal reach

S.W. 2 lb. 6 oz. C4061

\$109.88

Short reach
S.W. 2 lb. 6 oz. C4061/1

\$109.88

Dia Compe G Finally available in size 730!

A middle-level pro-type set with very highly polished, anodized callipers made of normal aluminum. Very comfortable lever has drill holes and natural gum hood but hand rest shape is flat rather than curved like Gran Compe. Basically same brake as original Gran Compe, except for less modern quick-release mechanism. Excellent stopping power and quality for the price. Sensible model for those who don't require the ultimate types.

A.W. 1 lb 6 oz/S.W. 2 lbs.

500 G A43 B57 B-500 G **\$22.99**
730 G A52 B72 B-730 G



Guaranteed Lowest Price!

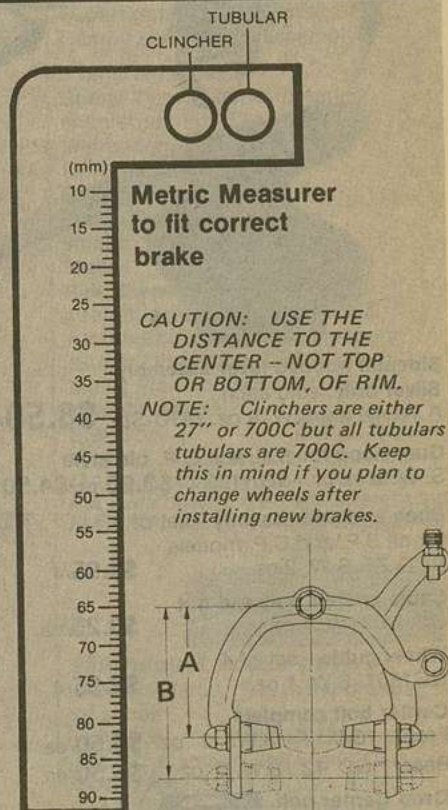
Dia Compe drop center bolt

Fits all Dia Compe rear side pull models.
S.W. 3 oz.
B-DC12 **\$8.95**



To determine which brake fits your bike:

Most pro type frames will accept most pro brakes such as Campy, Dura Ace, and Gran Compe. But since each frame builder's design results in a slightly different distance between rim and brake mounting hole, the only way to insure the correct brake application is by measuring this distance. Therefore, each brake description in our catalog states a minimum (A) and maximum (B) distance in millimeters which the brake pads reach to contact the rim. Example: A47 B61. If you do not have a metric rule, we'll be glad to convert your inch measurements. Or, use our handy cut-out measurer on the opposite page, making sure to place the correct hole (clincher or tubular) over the brake mounting hole.



Brakes



Guaranteed Lowest Price
Policy Explained Page 69

Dia Compe Gran Compe Brakes

Gran Compe Side Pull

Virtually identical to Campy in appearance, geometry, and performance. Even has rubber O-rings to protect downtube when wheel is fully turned. Adjusting barrels on both lever and caliper. Adjusting flats on center bolt make centering calipers simpler than previous model. The levers are first class: super-comfortable shape bending close enough to handlebar for anyone to reach. The hood is thick and luxurious natural pure gum rubber and shaped to protect hand during long rides. An ultra-modern conical-shaped allen nut on the end of the center bolt gives the unit an aerodynamic appearance. Every part is individually hand-polished to a very high lustre. Fully anodized. Includes allen wrench and fancy gift box. Supplied with plastic top tube clips. A 45 B 57 A.W. 1 lb 9 oz/S.W. 2 1/2 lbs. Both versions have silver levers

Silver **BGC-S**
Black **BGC-B**
Only **\$44.50** Silver
\$47.50 Black



Gran Compe Center Pull

Undisputed champion of center pulls! Same ultra-stiff alloy used in Gran Compe sidepull, hand-polished and anodized to same beautiful finish. Front & rear cable hangers have built-in screw type cable tension adjusters. Each drilled, hooded lever contains another cable adjuster plus a quick release device in the lever handle below the hood. An original design transverse cable hanger is a pulley instead of the usual triangle-shaped aluminum plate. For the centerpull aficionado who demands Campagnolo level quality and performance.

Close Reach Frames:
Silver only A47 B61 **\$33.00**
BGC 610

Long Reach Frames:
Silver only A57 B75
BGC 750

Big Selection



Special center pull transverse cable hanger
works w/all brands
S.W. 2 oz. **BDC1243** **\$3.95/pr.**

Center Bolt - complete
Front **GC 1038** S.W. 2 oz. **\$5.00/ea.**
Rear **GD 1039** S.W. 2 oz. **\$5.00/ea.**

Center pull hooded and drilled lever
Different from side pull
QR in handle. Silver only.
GC 162 S.W. 8 oz. **Clearance** Only **\$7.00 ea**

Sidepull hooded lever assembly
Silver only, sold each
A.W. 4 1/2 oz./S.W. 9 oz. **BGC-SL** **\$8.50/ea.**

Gum hood for S.P. and C.P. old style
S. W. 2 oz/pr. **BGH162.1** **\$3.90 pr/\$4.50 pr**

Shoe and pad assembly - set of 4
for all S.P. and C.P. models
BCG 76 S.W. 2 oz. **\$5.95/4**

Cable anchor bolt and nut
GC-7e S.W. 1 oz **\$3.25/ea.**

Wheel guide - set of 4
GC1601 S.W. 1 oz. **\$2.95/4**

Center bolt complete
Front **GC 4-** S.W. 2 oz. **\$5.50/ea.**
Rear **GC 42** S.W. 2 oz **\$5.50/ea.**

Drop Center bolt
B-DC12 **\$8.95**

DURA-ACE

No introduction is needed for this immensely popular model. Extremely hard alloy and good forging make this brake very "quick" or positive reacting. Weight front and rear 194 gr. each. A47 B57 EX not available till late '78

Dura Ace Silver

BDA-s S.W. 2 1/2 lbs. **\$55.55/59.95**

Dura Ace Black

BDA-B S.W. 2 1/2 lb. **\$58.58/64.95**

Hooded lever - complete (sold each)

Available only with silver handles

A.W. 150 gr/S.W. 8 oz

BLDA **\$11.35/13.00/ea**

Handle only

53-06-051 S.W. 2 oz. **\$6.90/ea**

Shimano
Gum hood

BDAH S.W. 3 oz. **\$3.00/ea**

D.A. shoe and pad assembly

w/o wheel guides

BAA9001 S.W. 3 oz. **\$7.50/four**

Handlebar clamp assembly

53-06-053 S.W. 2 oz. **\$6.50 ea.**

Drop bolt for long frames

S.W. 2 oz. **BDA-DB** **\$8.95/ea**

Top Tube cable clips chromed steel

set of 3 S.W. 1 oz. **BSH-TT** **\$3.00/3**



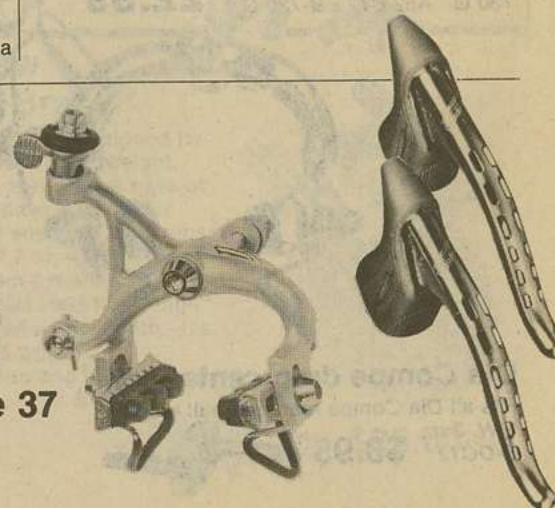
**A.W.=Actual Weight/
S.W.=Shipping Weight**

Dura Ace EX

New in '78. Extra short reach only. Improved superior design & function. All allen bolts. Positive lock QR, rubber adjuster cover won't damage downtube. Fantastic new levers that disperse sweat, feel more comfortable, and thread cable easier. A39 B49 Silver. Write for price quote.

B-EX **\$74.88**

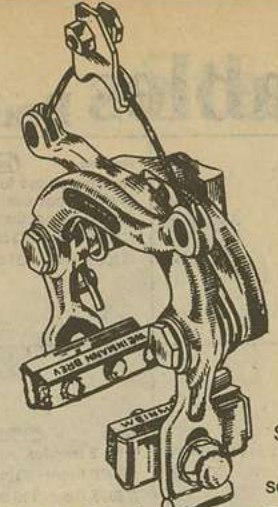
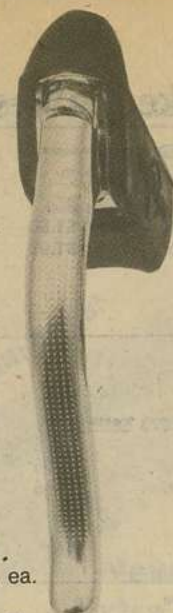
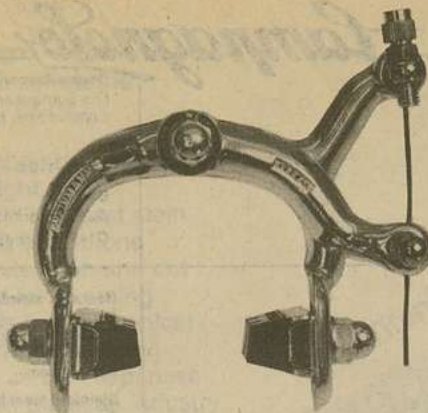
Ordering instructions page 37
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Brakes



Weinmann certainly isn't one of the "glamour issues" and you don't hear a lot of hoopla about it. But if you want absolute reliability, light weight, and a good dollar value, this is it. Remember, this is the one that the Japanese copied! Note that Weinman brakes are sold separately in front and rear, not in pairs. You may mix and match anything you like.



Sold front or rear separately

Shoe and pad assembly

- | | |
|---|--|
| Red long
(42 mm.)
BW20L S.W. 3 oz.
\$3.00/4 | Red short
(36mm.)
BW20S S.W. 3 oz.
\$3.00/4 |
| Rubber pad only
Sold in set of 4 only
Red short BWRS
S.W. 2 oz.
\$1.75/4 | Gum rubber hood
Also fits Dia Compe, won't work with safety lever.
BWH
S.W. 2 oz. (pair only)
\$3.95/pr. |
| Red long
BWRL
S.W. 2 oz. \$1.75/4 | |

Mod. 500 Close Reach

- 500 model**
500 Side - Short Reach
A48 B54 A.W. 11½ oz.
Front - B500F
Rear - B500R
- 730 model**
730 Side - Long Reach
A54 B72mm.
Front - B730F
Rear - B730R

Side Pull
S.W. 14 oz., ea.
24 oz. pair

\$7.50/7.95/each
\$15.00/15.90/pair
mail order/store

C.P. Vainquer 999

- 610 model** (short reach)
A50 B62 A.W. 14 oz.
Front - B610F Rear - B-610R
- 750 model** (long reach)
A59 B76 S.W. 16 oz. ea., 26 oz. pair
Front - B750F Rear - B750R
mail order/store
- \$9.00/9.50/each**
\$16.99/17.99/pair
mail order/store

Miscellaneous Brake Spare Parts

Mafac brake shoe and pad assembly

Fits racer and Competition models
BMP S.W. 2 oz. **\$3.00/4**

Mafac pad-Racer and competition

mmp-1 S.W. 1 oz.
\$2.00/4

Dia Compe

Black rubber/alum shoe
Fits everything except Mafac
BDC 76.1 S.W. 2 oz.

\$2.50/4

Front cable hanger assembly

W/QR & cable tension adjuster to fit all center pull brakes on frames with notched steerer tube. See diagram showing keyed inside diameter of hanger.

BGC 1254F
SW 3 oz.

\$2.50

Rear cable hanger assembly

For all center pull brakes to fit frames with conventional seat tube binder bolt. Universal type, works better than all the others.

BGC 1254R
S.W. 2 oz.

\$2.25

Chrome Cable Clips (3)

For top tube
BC649 S.W. 1 oz.

\$1.99/3

Transverse cable saddle assembly

For Weinmann, Dia Compe, Universal, Mafac, and all other C.P. brakes. Sold in complete assembly only.
BDC 1242
S.W. 2 oz.

\$1.95

Mafac top hoods

Covers only the top part of the lever body. Includes cable tension adjuster. White or black as available. BMSL
S.W. 2 oz.

\$1.95/ea.

Mafac full gum rubber hood

At last a comfortable, full cover for Racer & Competition models. Incl. cable adjuster.
SW 2 oz.

B-M **\$3.50/pair**

Dia Compe white rubber hoods

also Fits Weinmann
DC-144.7
S.W. 2 oz.

\$3.20

Brake Lever Straps

For Dia Compe, Weinmann, etc.
S.W. 1 oz. **49¢ea.**

B-22.0T-For steel bar, touring lever
B-23.5T-For alloy bar, touring lever
B-22.0R-For steel bar, racing lever
B-23.5R-For alloy bar, racing lever
Brake lever strap nut and bolt for above B-49 S.W. 1 oz. **49¢**

Dia Compe drop center bolt

Fits all Dia Compe rear side pull models. S.W. 3 oz.

B-DC12 **\$8.95**

Safety levers

To fit all Dia Compe and Weinmann ten speed levers. Set of 2 and all necessary nuts, bolts, etc.

BBDSL S.W. 6 oz.

\$3.50

Mafac conversion

To install safety levers on Mafac levers, knock out main pin and replace with conversion pin and fastener.

(Set of 2) S.W. 2 oz

\$1.95

Dia Compe lever w/o hood, w/o QR.

BLD 144

\$2.85/ea.

Mafac tandem brake lever

Features two cable holes. Incl. gum hood.

BMT **\$3.00/each**

Mafac racer and competition lever w/o hood

(pictured w/hood-not incl.) BML

\$2.59

Touring lever

For upright type handlebar. Specify clamp size of 22.2 or 23.5 mm.

BCD 131
\$1.95

Prices in this catalog:
\$3.95/4.50
mail order/stores

Mathauser brake shoe

Features: Thin pad of extremely good gripping material permits fast heat dissipation and eliminates spongy feeling with other pads.

Curved to conform to rim shape permits longer pad with more contact surface.

Pad is 100% bonded to shoe for perfect contact—can't pop out of shoe.

Superlight—weighs ½ that of Campy shoe & pad assembly.

4 different models:

Screw Type: Metric threaded 6mm stud. Fits Campy, Weinmann, Dura Ace, Universal, Dia Compe, Shimano, etc.

Mafac Rod Type: 7mm smooth rod for Mafac Type brakes.

Rim Shape: Rims are made in straight sided and angle sided. All tubulars plus these clinchers: (Super Champion, Rigida alloy, Mavic Elan and Mod III) are straight sided.

S.W. 6 oz. **\$12.59**
MAT-SS screw type, straight side
MAT-SA screw type, angled side
MAT-MS Mafac type, straight side
MAT-MA Mafac type, angled side

Mathauser brake pads
Same material. Fits these brands of shoes:
S.W. 4 oz.

\$7.89/set of 4
MAT-C Campag, Zeus and CLB
MAT-M -Mafac and Dura Ace
MAT-W- Weinmann, Universal, Gran Compe, Dia Compe

Cables Brake Cables *Campagnolo* Gear Cables

Genuine Campagnolo	Cable S.W. 2 oz.	Racing Recommended for racing or high-performance use. Fits every popular racing-type lever. C2028 Front - 73 cm. \$1.80 C2029 Rear - 131 cm. \$1.99	Downtube control Fits Suntour and Dura Ace C608 72 cm. front \$1.00 C606 118 cm. rear \$1.25 Barcon C218 Front 150 cm \$2.20 C145 Rear 197 cm \$2.60
	Housing S.W. 3 oz.	Grey With 2 ferrules C2026 Front - 63 cm. \$1.95 C2027 Rear - 119 cm. \$2.45	Rear der. stainless steel housing and ferrules For use with stop #636 and most braze-on chain stay cable stops. 622 21 cm. \$1.20 Stainless steel housing with ferrules For handlebar controls, front and rear connection. 625 75 cm. \$3.75 Rear der. stainless steel housing and ferrules Like 622 but with ferrule #620 to fit braze-on 621 617 21 cm. \$2.00 For downtube controls, #622 is all the necessary housing; for handlebar controls, one #622 and two #625 are necessary. #617 replaces #622 where #621 brazed-on cable stop is used.
	Ferrules S.W. 1 oz.	Replacement ferrule For 2026, 2027 75¢ C2045	Cable housing end For 622, 625 75¢ 619

Brake Cables

Gear Cables

Standard	Cable S.W. 2 oz.	"Pear End" Universal 65" (extra long). Fits every "racing" style lever, e.g., Dia Compe, Weinmann, Mafac, Universal, Campy, Shimano. Silicone treated. B5R 75¢ 65" Same cable as above but with barrel end for "touring" level. B5T 75¢	65" original equipment replacement Top quality and reliability HBC 4SS Shimano, Suntour 75¢ HBC 4X Simplex/Campy 75¢ HBC 4H Huret 75¢ Barcon Cable Suntour braided Barcon cable Extra thick, braided, treated cable for all Barcon and stem shift.	Recommended for every use. 79" for both front and rear. HBC-6 \$1.50 DURA-ACE Teflon Barcon cable Thick braided cable with teflon coating for very smooth shifting. Fits all housings 180 cm. for both front and rear. HBC-7 \$2.50
	Cable Housing S.W. 2 oz./ft.	High quality steel coil housing Fancy, vinyl coated, in assorted attractive colors; white, black, silver, blue, red, yellow, chocolate brown, burgundy. B6 25¢/foot New brown and burgundy!	Suntour stainless steel cable housing For gear cable, original equipment on Barcons. B15 50¢/ft.	Housing and possibly cable is ready for replacement when: <ol style="list-style-type: none"> 1. There is an opening in the housing and the steel casing is unwound or broken. 2. Cable housing exhibits violent movement when control is actuated. 3. Rust is present inside housing. 4. Housing is bent. 5. Even though all seems in order, the control is sticky, stiff or sluggish. 6. Cable and housing usually wear at the same rate so it is wise to replace both at the same time!
	Cable/Housing Sets S.W. 4 oz.	Easy Glide Inner wire slides effortlessly inside a teflon casing, contained inside steel housing. Black vinyl housing, universal double-ended cable-fits both race and tour levers, two extra ferrules. Japan BEG41 - front 41" \$1.95 BEG65 - rear 65" \$2.45 Save 10% front and rear for \$3.99		
	End Caps S.W. 1 oz.	Plastic end caps Protects all brake and gear cable ends. Set of 5. B7F \$1.00/5	Lead end caps Crimp on - for all brake and gear cables. B7L \$1.50/5	
	Ferrules S.W. 1 oz.	Weinmann, Dia Compe For racing lever B7A 69¢/pr. For standard vinyl housing B7B 69¢/pr.	for Mafac front cable hanger B7C 69¢/pr. For Schwinn frame Braze-on cable stops B7F 69¢/pr.	Suntour ferrule For stainless steel housing B7D 35¢
	Transverse Cable S.W. 1 oz.	100 mm short For 18-19" frames B9-100 95¢ 110 mm standard For 20-25" frames B9-110 95¢ 245 mm extra long For rear mixte brakes or special applications. B9-245 \$1.50	Mafac Racer B9-MR 95¢ Mafac Competition One soldered end is quick release grip. B9-MCT 95¢ Mafac Cantilever See #HBC 4X this section	Suntour cable cutters Pro quality tool of heat-treated steel. Vinyl coated handles. Also crimps. \$8.50
	Tandem Cable S.W. 3 oz.	110" thick heavy duty cable Designed for tandem use, pear end for racing lever only, galvanized. BEJ-100 \$2.95	110" Tandem Cable 105" fits frame-mounted and handlebar end shifters, heavy duty HBC8 Galvanized. \$2.95	White Lithium Grease for Cables 10 oz tube \$2.49 LPS 1 Best for cables! \$1.99 7 oz. can



S.W. all stems
12 oz.

Stems

Sakae (SR) Stems

These new models represent the state of the art in stem design. All are cold forged from strong, light, 14S duraluminum. Even though SR is the world's largest stem manufacturer, all final milling and polishing operations producing the revolutionary new hollow extension and cut out clamp are individually hand performed for exacting tolerances and faultless beauty. All Royals feature conical rather than wedge-type expander plugs and flush fitting binder bolts. While previously referred to as the "Japanese Cinelli", these stems have earned their own place as industry leaders for originality, style and value. As with all handmade specialties offered in a range of sizes, it helps to specify a back-up or second preference to the first size you order. Be sure to check your bike's stem diameter carefully because French (22.0 mm) is offered in one model only; New Royal.



New Royal - Extra Super Light (ESL)

Top of the line

Features hollow extension and cut out handlebar clamp. Expander bolt and binder bolt are made of TITANIUM! Lightest racing quality stem on the market. Dia: 22.2mm. Length: 135mm; Hex bolt: 5mm.

Extension	Cat Number	A.W.	Price
70mm	NR-70ESL	180gr (6.3 Oz)	\$28.75
90mm	NR-90ESL	195 gr (6.8 oz)	29.75
110mm	NR-110ESL	210 gr (7.4 oz)	30.75
130mm	NR-130ESL	225 gr (7.8 oz)	31.75

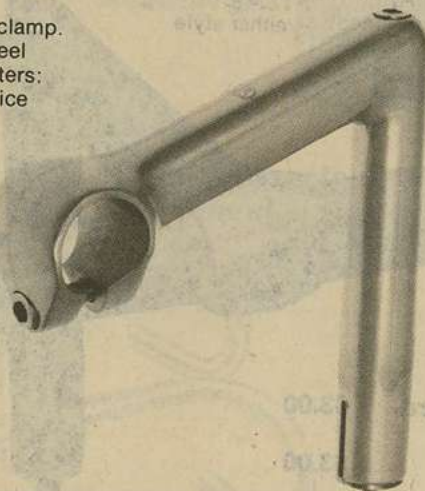
New Royal

Available in French

Identical stem without internally bored extension and cut-out clamp. Stainless steel binder bolt and expander bolt with stainless steel cone plug. Simple-beautiful-reasonable. Available in 2 diameters: 22.2mm (Eng-It) and 22.0mm (Fr). For French add \$2.00 to price below. Hex bolt: 5mm.

Extension	Cat Number	A.W.	Price
70mm	NR-70	235gr (8.2 oz.)	\$12.50
90mm	NR-90	260gr (9.1 oz.)	\$13.50
110mm	NR-110	285gr (10 oz.)	\$14.75

French: Add \$2.00



A.W.=Actual Weight
S.W.=Shipping Weight

Ordering instructions
page 37

Guaranteed Lowest Price
Policy Explained Page 69

SR Custom Stem

A very familiar stem with design copied from Cinelli. Melt-forged high strength stainless alloy. Recessed hex head expander bolt and recessed plain binder bolt. Without a doubt, the best looking sport bike class stem available. Sorry, not available in French diameter. Available in 2 sizes:

.833 inch:
U.S. and
a few
Japan
bikes.



22.2mm: England, Italy,
most Japan.

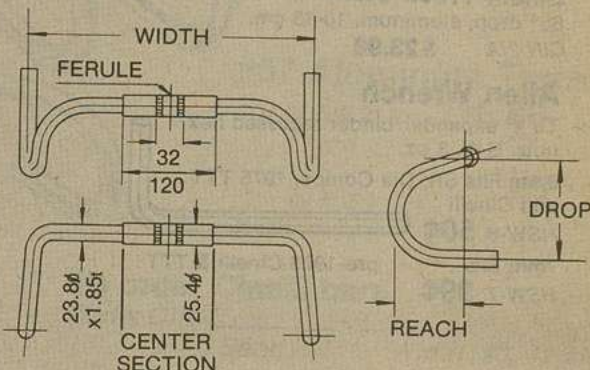
Specify the size
you require. SR 100AH

\$5.29/6.29
mail order/store

Stem-Bar Compatibility Table

Stem	Bar	Fit
SR (25.4mm)	SR all	Good
	Cinelli	No
	TTT	No
	All Japanese	Good
Cinelli (26.4mm)	Cinelli	Good
	TTT	Good
	SR	O.K.
TTT (26mm)	TTT	Good
	Cinelli	Good
Belri (25mm)	Phillipe	Good
	Pivo	Good
	Belri	Good
	Mavic	Good

Ferule (center section) diameters are shown in parentheses in chart.



Stems

cinelli



S.W. all stems 12 oz.

Regular Bar

Finally available
in French
22.0mm

Specify alternate choices of
bend & widths

SR Aluminum Touring All Rounder



H-SRAR \$5.88

Typical of style seen on most French mixte bikes. Palm of hand faces forward when in position. This promotes a forward lean and is therefore a more energy efficient bend than the other model.

Center bulge type: 23.8mm dia.
Rise: 48mm (17 1/8")
Width: 508mm (20")
Weight: 180 gr (6.3 oz)

A timeless beauty which is the style inspiration for every other popular stem, a Cinelli stem is as rugged and meticulous as it's beautiful! Now available in 2 prestige models in 22.2mm throughout the popular extension range. French (22.0) is now available. Bolt size: 6mm. S.W. Both models 13 oz.

Cinelli Art. #1/A

Please specify a second size choice in case your first is out of stock.

CIN 1/A \$19.88

Available in: Extension:
22.2 Eng, It, Jap 70, 75, 80, 85, 90, 95, 100, 105, 110
115, 120, 125, 130, 135, 140 mm
22.0 Fren only 70, 80, 90, 100, 110, 120, 130, 140 mm

Spare Binder Bolt for 1/A \$2.00

CIN 1/A 101 S.W. 3 oz

Stem Bolt Kit by Arnold Industries

Arnold is a specialist in superlight alloy hardware. It has fabricated alloy replacements for many steel parts without any sacrifice in overall strength. Black anodized finish. S.W. 2 oz.

STB-NC Cinelli with allen binder (1/A) \$12.49
STB-OT TTT Record, post-1974 (non-fluted) /either style

Cinelli Art. 1/Record

Six millimeter hex bolt is hidden under the extension giving the binder a more streamlined appearance. This binder bolt actuates an internal grooved clamp which grasps the handlebar grooves.

Dia. 22.2, 22.0 mm
Extensions: 100, 110, 120, 130.

CIN 1/R \$26.98

Spare Expander Bolt for 1/Record \$3.00

CIN 1/A 201 S.W. 3 oz.

Spare Binder Bolt for 1/Record \$3.00

CIN 1/R 102 S.W. 3 oz.

Spare Expander Bolt & Cone for 1/R \$4.90

CIN 1/R 202 S.W. 3 oz.

Cinelli Track Stem

65° drop, aluminum, 10-13 cm.

CIN 2/A \$23.98

Allen Wrench

To fit expander/binder recessed hex nuts. S.W. 3 oz.

6mm Fits SR, Dia Compe, 1975 TTT and Cinelli

HSW-6 50¢

7mm Fits pre-1975 Cinelli & TTT

HSW-7 99¢

**Guaranteed
Lowest
Price!**

Explanation page 69

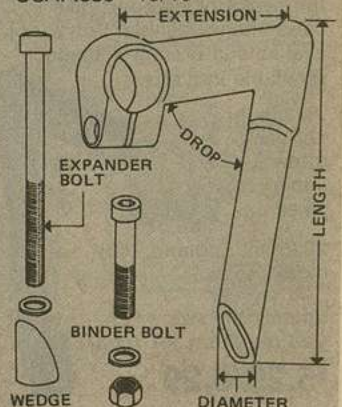
**Bikecology
Nostalgia:**
Remember when bikes
looked like this?

Vintage Mercury F-29 has
"Ohio Gothic" fender,
twin forksprings.

Handlebar Stem:
Measured from
center of stem bolt
to center of handle-
bar at clamp.

Common Stem Diameters
Italian, English,
Japanese: 22.2 7/8"
French: 21/85 less than 7/8"
Japanese (some), and
USA: .833 13/16"

Inches	cm
1-37/64	4
2	5
2-25/64	6
2-19/32	6.5
2-3/4	7
2-61/64	7.5
3-5/32	8
3-11/32	8.5
3-35/64	9
3-3/4	9.5
3-15/16	10
4-1/8	10.5
4-21/64	11
4-23/32	12
5-1/8	13
5-33/64	14



Pro Handlebars

SR World

The World series is a copy of Cinelli and is the finest aluminum bar made in Japan. The entire bar is anodized. The center section is made by the double tube method and is beautifully engraved on both sides of the stem area. Two comfortable bends are available: Randonneur for touring and Maes (custom model) for racing and/or touring. At these low prices they are unequivocally the best buy obtainable. Stem diameter is 25.4mm on both models.

World Randonneur

Weight: 305 gr (10.7 oz)
Center section length: 95mm
Width: 42cm (16½")
Reach: 97mm

H-SRWR

S.W. 1 lb 10 oz

Only **\$6.88/7.88**

mail order/store

Shipping Weight 1 lb. 10 oz.

All Aluminum Models



World Custom SL

Bend is similar to Cinelli #64
Weight: 300 gr
Center section length: 135mm
Width: 40 cm
Reach: 96mm
Drop: 130cm

H-SRWC

S.W. 1 lb 10 oz

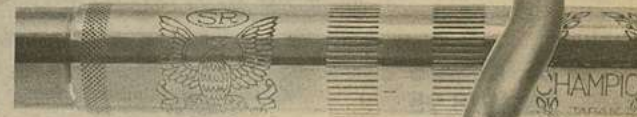
Only **\$7.49/8.49**

mail order/store

Prices in this catalog:

\$3.95/4.50

mail order/stores



Cinelli

S.W. 1 lb. 10 oz.

Long the international standard of beauty and quality, these superb aluminum bars deserve their reputation. Several different bends are available. They rank 64, 63, 66 and 65 in order of popularity. Numbers 64, 63 and 66 are very similar and enjoy fairly even popularity. The 65 is similar to a track bend. Stem diameter is 26.4mm. Weight is 310 grams.



Specify alternate choices of bend & widths

#64 Giro di Italia

Most popular bend. Comfortable for every use. Recommended for touring!

Widths available: 38, 40, 42 cm

CIN-64 **\$14.88**

#63 Campione del Mondo

Short reach, 40cm only

CIN-63 **\$14.88**

#66 Campione del Mondo

Longer reach, deeper drop than #63

Widths available: 38, 40, 42cm

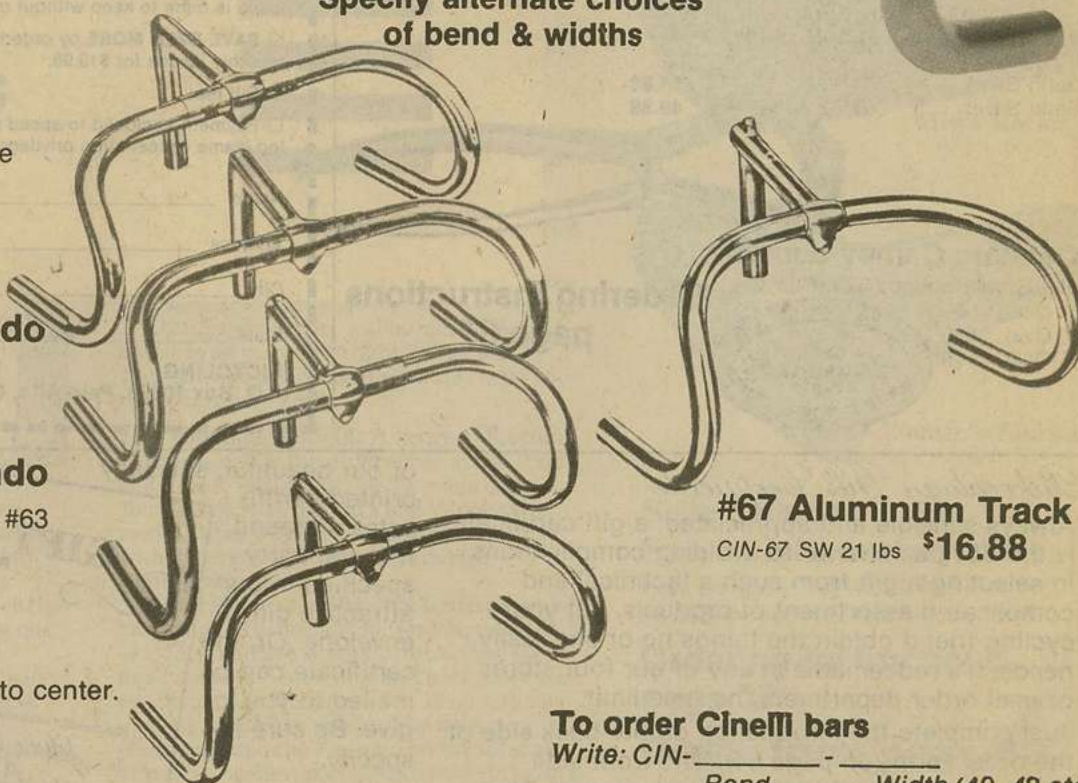
CIN-66 **\$14.88**

#65

Forward reach curve starts next to center. Resembles track.

Width: 40cm

CIN-65 HB **\$14.88**



#67 Aluminum Track

CIN-67 SW 21 lbs **\$16.88**

To order Cinelli bars

Write: CIN- _____ - _____
Bend Width (40, 42 etc)

Orders without specific bend and width will receive #64 in 40cm width.

A.W.=Actual Weight/S.W.=Shipping Weight

Ideale Seats

At the Ideale factory in Normandy, the 3rd and 4th generations of the Berthet family continue the old painstaking methods begun when the business was started in the nineteenth century. Each hide is measured by micrometer in dozens of locations to insure a consistent thickness for each seat. Cutting and shaping by hand creates the famous Ideale fit. All steel parts are chromed well enough to shine for a lifetime. All Bikeology leather seats are pre-conditioned, or

broken-in by hand stressing—not chemicals. We pay more for this instant comfort because we know our customers desire it. Leather seats are continuing to make a strong comeback for racing and touring. The 90 series is the very finest all-leather seat on the world market. Most models are inventoried in both dark brown and natural tan. There's no difference in performance or quality. Try tan with our brown cable housing and handlebar tape for an elegant appearance!

No. 90 "Special" Series

Features Premium Grade French saddle leather of 5mm minimum thickness, copper rivets, treating (pre-conditioning) and extra rugged undercarriage. Available in 4 popular versions. Except for aluminum model, none include clamps.

90/Steel:

Chromed steel rails.
Normal rivets.
Brown, Tan
A/W 563 gr.,
S.W. 2 lb 6 oz
I-90 DR

\$19.88



90/Steel "Big Rivets"

Same as above but with double-diameter copper rivets. No performance difference—just for looks. Tan only.
A/W 563 gr.,
S.W. 2 lb, 6 oz.

I-90 GR

\$30.88



90/Titanium:

Undercarriage of lightweight titanium. Fits all seat post clamps. Brown only.
A/W 440 gr., S.W. 2 lb 2 oz
S-190

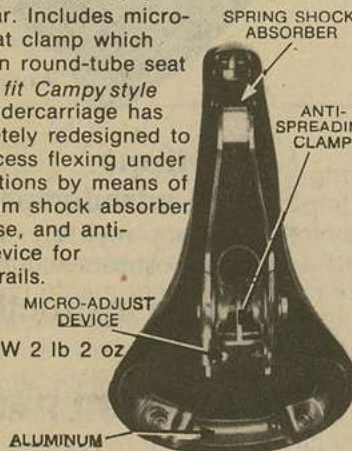
\$64.88

90/Aluminum

Special base constructed of aluminum bar. Includes micro-adjusting seat clamp which only fits plain round-tube seat posts. Won't fit Campy style post! The undercarriage has been completely redesigned to eliminate excess flexing under racing conditions by means of H'D aluminum shock absorber spring in nose, and anti-spreading device for longitudinal rails.

Brown, Tan.
A/W 500 gr.
w/clamp—S/W 2 lb 2 oz
SI-90A

\$29.88



80/Special

Made of #2 grade treated saddle leather with same shape as #90. Chrome rivets, black steel undercarriage. Universal rail fits Campy style posts. Sold without clamp. A good value at this price.
Dk. brown only.
A/W 750 gr.
—S/W
2½ lbs.

SI-80

\$14.88

39:

No. 3 grade, thinner normal leather with black steel undercarriage. Steel rivets. Comfortable and efficient but won't retain original shape as long as 80 and 90. Several steps superior to leather seats found in typical French production lightweights. No clamp.
Brown, Tan. A/W 640 gr.—S/W 2 lbs.

SI-39

\$9.88

Wide Leather Models

The last few years have seen a comeback of this old classic style which many people seem to swear by. #3 grade leather and steel rivets.

TB-14:

Elevated sides, depressed outer canal. Tan.
A/W 900 gr.—S/W 3 lbs.

STB-14

\$19.88



Brooks Proofhide leather dressing

Restores, conditions, and preserves leather seats (not intended for suede & cowhide). Use on any smooth leather! S.W. 3 oz.

S9 **\$1.95**

For Fast Break-in!



Bikeology Mail Order, P.O. Box 1880,
Santa Monica, CA 90406 Hot line: (213) 829-7681

IDEALE 2000 Series

It's regrettable that no catalog can do justice to the beautiful workmanship and comfort of this fine seat. The nylon shell is shaped differently from all others with the center area a bit wider than most other brands. Many people, especially women, swear by this seat. The padding is unusually comfortable and the leather covers are the thickest and most luxurious obtainable.

2002 Black Smooth:

Basic padded model with black fine grained smooth leather. Without clamp. A/W 518 gr.
S/W 24 oz.

SI-2002

\$24.88

2003 Suede (Tan and Black)

Same as above but cover is a beautiful tan fine suede. Definitely the prettiest bike seat! Without clamp.
A/W 518 gr.—S/W 24 oz.

SI-2003

2004 Tourist Tan Suede

A different, slightly wider and shorter base. Full 15mm of foam gives extremely comfortable ride. A real comfort breakthrough for tourists.

Without clamp.
270 x 150 mm.

Tan only. Looks like an overstuffed 2002.
A/W 488 gr.—S/W 24 oz

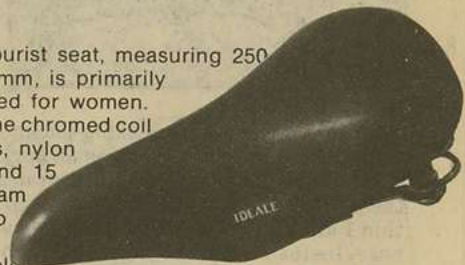
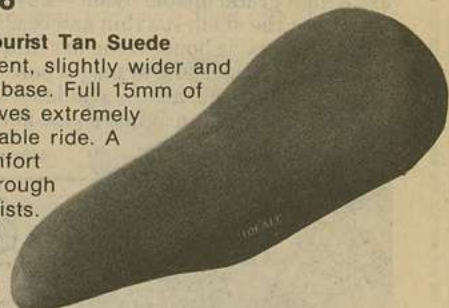
S-2004

02:

This tourist seat, measuring 250 x 155 mm, is primarily designed for women. The fine chromed coil springs, nylon base and 15 mm foam take up all undesirable shock. The cover is super luxuriant smooth lamb's skin in a rich tan color. Without clamp.
A/W 518 gr.—S/W 24 oz

S-102

\$21.88



Seat Posts

S.W. 13 oz. All

SR Posts

Still the value leader. Proven quality at reasonable prices. Check the new ESL "state of the art" design. All models fit standard 45mm seat frame, and are available in a variety of sizes to fit every good bike.

SR Royal ESL

(Extra Super Light)

Forged 14S Super Duraluminum with Titanium adjuster bolts. Seat cradle 45 mm. (standard), length 170 mm. Diameters available: 26.6, 26.8, 27.0, and 27.2. A.W. 190 gr. Most advanced one of its kind! S.W. 11 oz.

SRP1ESL **\$29.88**

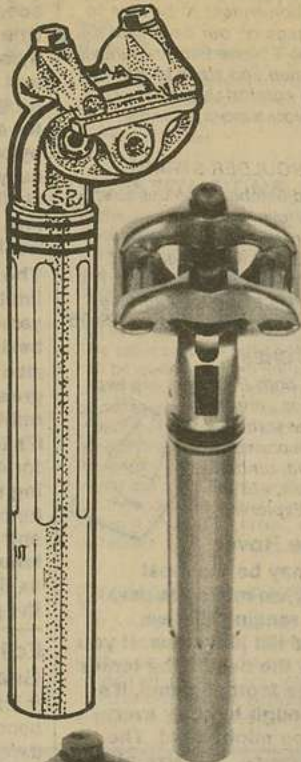
SR Royal PI

Our biggest seller ...replica of Campy Record. Forged hi-strength light alloy, precision lathe turned finish, engraved, our best buy.

Sizes 25.8	27.0
26.0	27.2
26.2	
26.4	
26.6	
26.6	Length-170 mm
26.8	

A.W. 310 gr/ S.W. 11 oz.

\$13.88 SR-RY-PI



Ordering instructions page 37

Order form page 63

Guaranteed Lowest Price Policy Explained Page 69

SR Laprade seat post

SR has purchased the license to manufacture this extremely popular French design in its economical melt-forging technique, resulting in a savings of a huge 65% from what you would pay for the original item. This post has revolutionized the market because of its simplicity and resulting ease of adjustment. It's no longer necessary to fumble blindly for a half hour because all that's necessary is one 6mm allen wrench (not included) inserted from the underside where you can see exactly what you're doing. It controls a compression bolt atop the seat rail clamps. The clamps rotate in a concave, serrated area of the post resulting in hundreds of different angles of adjustment. It's made of lightweight, attractively finished forged aluminum and weighs only 270 grams (9.5 oz). Sizes: 25.8, 26.0, 26.2, 26.4, 26.6, 26.8, 27.0, 27.2 millimeters. Rail width 43mm.

SR-CTP5 **\$8.98**

6mm allen wrench for above 50¢

Aluminum plain tube seat post

Bare minimum weight and cost. #7075 aircraft aluminum; weight only 56.6 gr. length 160 mm. Diameters available: 25.8 26.4 27.0 26.0 26.6 27.2 26.2 26.8 S.W. 6 oz.

\$3.99



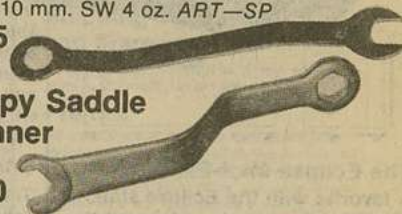
Prices in this catalog: **\$3.95/4.50** mail order/stores

Artisan Offset Combination Wrench

Special offset wrench designed to adjust hard to reach seat post clamp bolts on Campy and other posts. 10 mm. SW 4 oz. ART-SP **\$2.65**

Campy Saddle Spanner

C 771 **\$7.50**



Campagnolo

Campagnolo seat posts

New for 1978 is the one-bolt type Super Record which will be available about April.

Extra light forged aluminum and beautiful satin finish. Diameters available: 25.0, 25.8 thru 27.4 mm. C4051-78

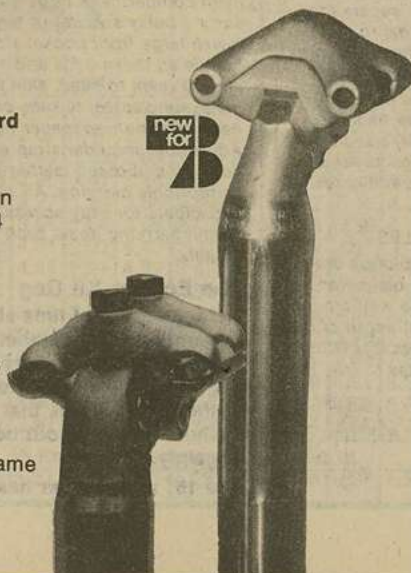
Price approx **\$35.00** write for quote

Nuovo Record

Familiar two-bolt design. Diameters: 25.0, 25.8 thru 27.4 mm. C1044 **\$20.89/23.97**

Old Super Record

Close out of remaining stock of 2-bolt type. Same sizes as others. C4051-77 **\$29.49**



Typical--but not definite--seat post sizes

Order correct size!

Note: We measure all seat post lengths in effective lengths only: i.e., the widest area only and *not* the clamp section. The effective length is generally about 25 mm. shorter than the actual length to the top of the clamp.

REMEMBER! Grease before insertion

We cannot be responsible for customer errors in seat post orders. But we're sympathetic so we'll exchange an incorrectly ordered post if:

- 1) it is unblemished and bears no evidence of deep insertion; and
- 2) it is accompanied by correct return postage to your address plus \$1.00 handling.

Easy Way for Correct Size Post

- 1) Cut off last 1/4" from old post and send it to us with order.
- 2) State make, model and tubing of bike.

Reprinted from Sutherland's Handbook for Bicycle Mechanics 2nd Edition.

	Quality Tubing		
	Common Tubing	Plain Gauge	Butted
English	(25.4)	26.4	27.0
	(25.8)	26.6	27.2
	(26.2)		
French	25.0	26.2	26.4
	25.5		26.6
	25.8		
	26.0		
Italian	25.0	26.0	26.8
	25.8	26.2	27
	26		27.2
Japan	25.8	26.2	26.4
	26.2		26.6

Seat Posts

S.W. 13 oz. All

SR Posts

Still the value leader. Proven quality at reasonable prices. Check the new ESL "state of the art" design. All models fit standard 45mm seat frame, and are available in a variety of sizes to fit every good bike.

SR Royal ESL

(Extra Super Light)

Forged 14S Super Duraluminum with Titanium adjuster bolts. Seat cradle 45 mm. (standard), length 170 mm. Diameters available: 26.6, 26.8, 27.0, and 27.2. A.W. 190 gr. Most advanced one of its kind! S.W. 11 oz.

SR P1ESL **\$29.88**

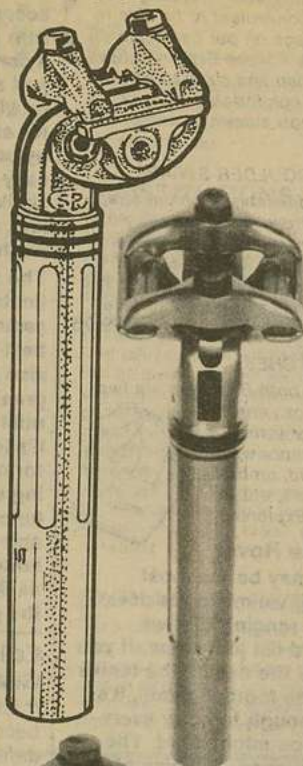
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Sizes 25.8 27.0
26.0 27.2
26.2
26.4
26.6
26.6 Length-170 mm
26.8

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\$13.88 SR-RY-P1



Ordering instructions page 37

Order form page 63

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SR-CTP5
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26.2 26.8
S.W. 6 oz.

\$3.99



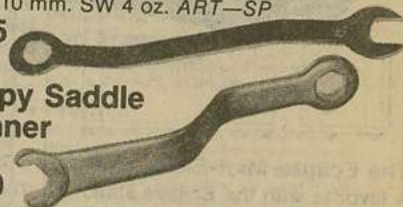
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	25.8		
	26.0		
Italian	25.0	26.0	26.8
	25.8	26.2	27
	26		27.2
Japan	25.8	26.2	26.4
	26.2		26.6 26.8 27.0

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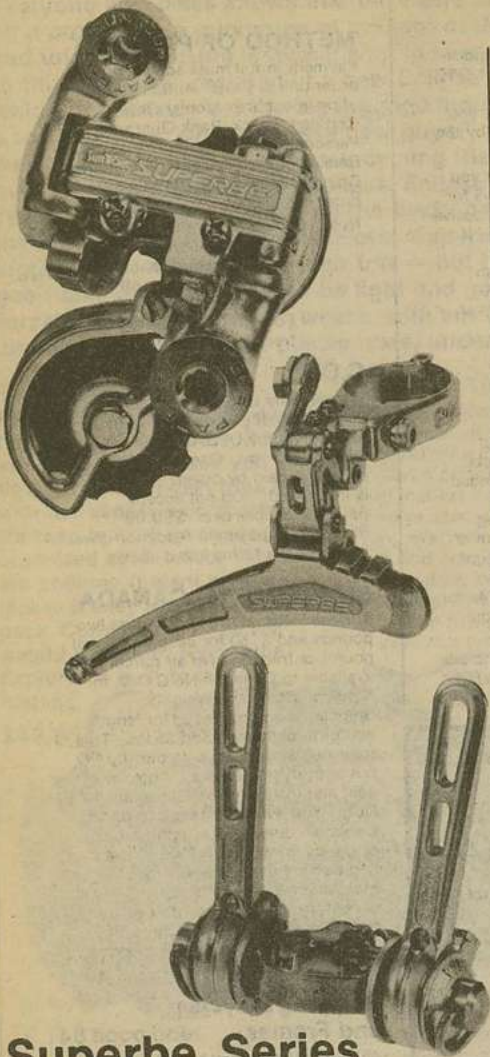
Derailleurs

SunTour

Sun Tour has consistently been our best buy for 5 years and with the addition of the new Superbe and complete VX lines, '78 will be no exception.

As America's #1 Sun Tour dealer, we always have a big stock of derailleurs and spares to satisfy your needs.

Ordering instructions page 37



Superbe Series

Only about 2,000 Superbe sets are produced each month. Most go to Sun Tour equipped pro teams around the world. But we are lucky enough to have a small quantity for our own customers. The many important extra steps and superior materials used in Superbe items result in a performance and durability superior to any other Japanese component. If you demand the ultimate and appreciate fine differences that others might not even notice, Superbe is worth the extra cost.

Superbe Rear Derailleur

Fr: 54T - 42T = 12T
Rr: 13T - 23T = 10T
Silver only Cap. 22T
Fits forged dropouts only
ST-2100 A/W 198 gr (7 oz) **\$22.39/25.89**
mail order/store

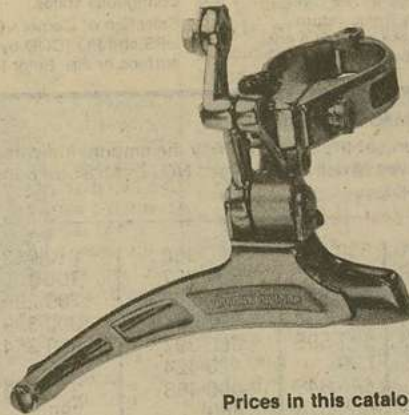
Superbe Front Derailleur

Parallelogram/Low Normal
Clamp Ø 28.6mm (1 1/8")
Alloy body/Spring steel cage
Silver only Cap. 18T or less
ST-1500 A/W 100 gr (3 1/2 oz) **\$14.69/16.89**
mail order/store

Superbe Levers

Universal type—works with any derailleurs
Alloy levers, Stainless Steel clamp Ø 28.6mm
Incl. cables, near housing A/W 65 gr (2 1/4 oz)
ST-2000 **\$12.49**

All 3 above **\$48.99/54.89**
mail order/store



Prices in this catalog:

\$3.95/4.50

mail order/stores

Cyclone Series

Best all-around forged lite alloy derailleurs on the market today. Actually lighter than Superbe. Completely reliable and beautiful, our #1 seller three straight years. Best buy is silver.

Rear derailleurs

Includes Hex wrench and frame mounting plate. Slant parallelogram. 31mm stroke. Top normal.

Short reach (pictured)
Cap. 24T 175 gr S/W 12 oz

Silver ST-5902-S

\$17.69/19.98

Black ST-5902-B

\$18.69/21.98
mail order/store

GT—Touring (not pictured)

Cap. 34T with a Sun Tour forged dropout or mounting plate. Cap. 32T with other makes of forged dropout.
185gr S/W 12 oz

Silver ST-5903-S

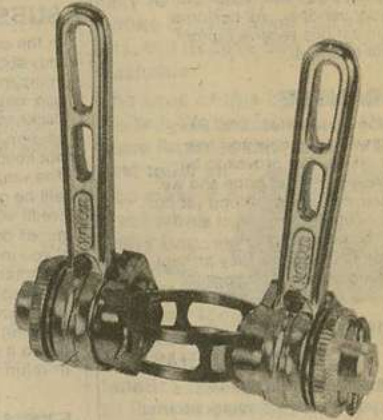
\$19.69/22.69

Black ST-5903-B

\$20.19/23.19
mail order/store

Cyclone front ultra-low adapter

Ultra-low gear adapter for 36T and below.
S.W. 2 oz. STC-FZ **\$1.30**



Front derailleurs

95 gr, pantograph with low normal, light tempered steel cage for solid shift, hinge type frame mount, non-fouling covered main spring. S/W 10 oz. Low normal

Silver ST-3704-S

\$11.77/13.77
mail order/store

Black ST-3704-B

\$12.77/14.77
mail order/store

Frame levers

World's lightest—60 gr.
Stainless steel integral clamp. Includes special thick braided cables, SS housing and ferrules. S/W 8 oz.

Silver ST-CL-S

\$10.27/12.77
mail order/store

Black ST-CL-B

\$11.77/13.77
mail order/store

Barcon ratcheted handlebar end "fingertips" control lever kit*

Includes: Shifters, special heavy duty braided inner wires, all necessary stainless steel cable housing, upper downtube double cable housing stops. Our best selling shifter—easy to install it. Priced well below other brands.

ST-3090

A.W. 91 gr/S.W. 1 lb

6 mm hex wrench for all Barcons.

ST-1135 S.W. 2 oz.

\$10.99/13.99
mail order/store

50¢



"Quick change cage" featured on Sun Tour VX series. Permits chain removal from derailleur without chain or derailleur disassembly.

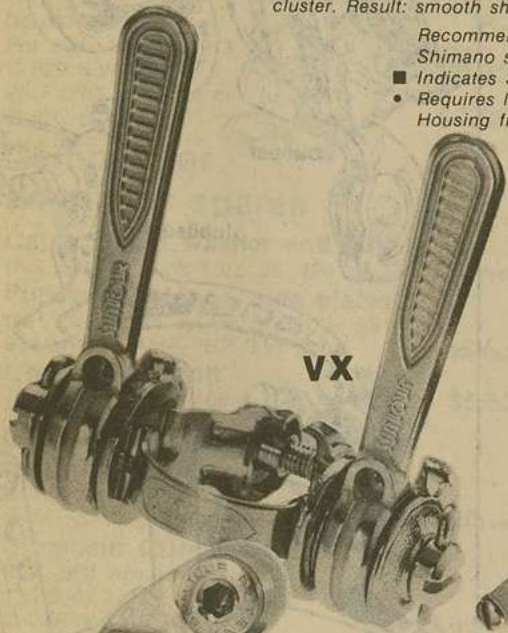
Pantograph mechanism:

1. The distance between the sprocket teeth and the derailleur guide pulley remains practically identical no matter how the sprockets are assembled or their size, and
2. the pulley moves in a diagonal plane corresponding to that formed by the teeth on the cluster. Result: smooth shifts through all gears.

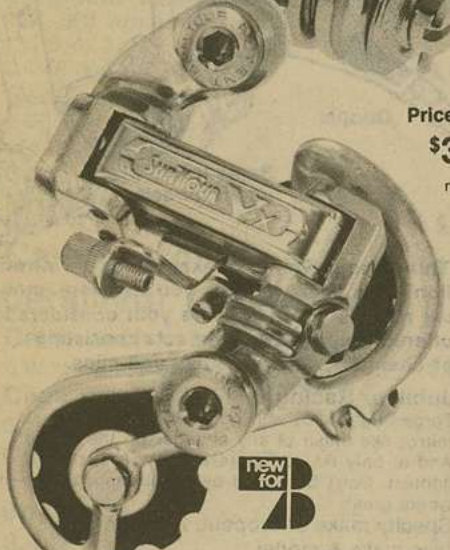
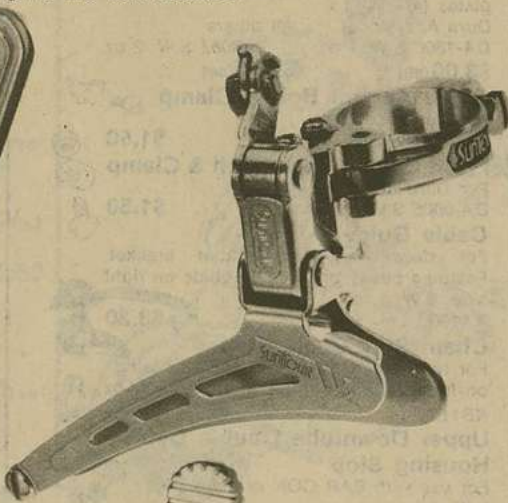


Recommended for use only with Sun Tour or Shimano shift levers.

- Indicates Sun Tour quick chain release cage.
- Requires lower downtube cable housing stop. Housing fits into front derailleur.



VX

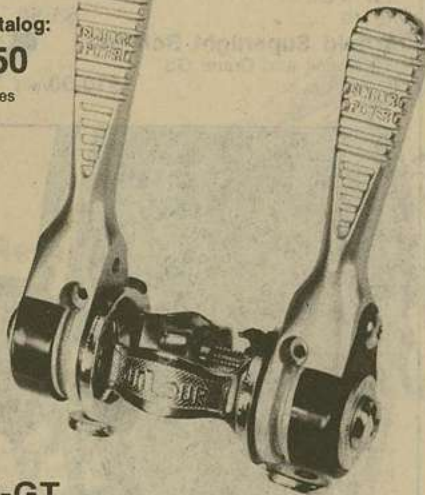


new for

Prices in this catalog:

\$3.95/4.50

mail order/stores



VX Series

Famous Sun Tour performance and quality at a popular price. All light alloy. Similar to well known VGT Luxe series but with racier appearance. Silver only.

Rear derailleurs

4 models to give you exact cage fit necessary. Slant parallelogram. 31mm stroke. Bracket included. Cable tension adjuster.

VX

Cap. 24T. A/W 200 gr. Fr. 52T - 40T = 12T. Rr. 14T - 30T = 16T

VX-2200

\$8.39/9.89

mail order/store

VX-T

Cap. 28T. A/W 210 gr. Fr. 52T - 40T = 12T. Rr. 14T - 30T = 16T.

VX-2300

\$9.98

VX-S

Cap. 30T. A/W 210 gr. Fr. 52T - 38T = 14T. Rr. 14T - 30T = 16T. Quick change cage.

VX-2500

\$9.98

VX-GT

Cap. 34T. A/W 210 gr. Fr. 52T - 36T = 16T. Rr. 14T - 34T = 20T. Quick change cage.

VX-2400

\$8.39/9.89

mail order/store

Front derailleurs

Aluminum body, spring steel cage. Parallelogram, Low normal. Clamp Ø 28.6mm. Cap. 15T or less. A/W 105 gr.

VX-1600

\$6.39/7.39

Shift levers

VX Levers

Aluminum levers, stainless steel clamp. Same wing nut friction plate tension adjustment.

A/W 80 gr.

VX-1900

\$5.98

Ratchet Levers

Aluminum levers, steel clamp. Popular ratchet mechanism maintains correct lever position.

A/W 125 gr.

PDLM

\$5.69

Suntour spares



Rear derailleur pulley assembly (Rear)

Includes pulleys (2), bushings (2), side plates (4). Fits all models.

S.W. 2 oz

ST-224

\$3.50

Cable anchor bolt set (Rear)

Cyclone ST5559-72 S.W. 1 oz **\$1.50**

All others ST-710-1 S.W. 1 oz **\$1.50**

Sun Tour double downtube cable stop

For use with BARCON or stem shift.

S.W. 3 oz

ST-1831

\$.85/1.20

Downtube cable stop/guide

S.W. 3 oz.

ST-1036

\$.85/1.20

Cable anchor bolt set (front)

Cyclone. S.W. 1 oz

ST-8902-5560

\$1.50

SL. Compe V, Spirt S.W. 1 oz

ST-FDAB

\$1.50

Order form page 63

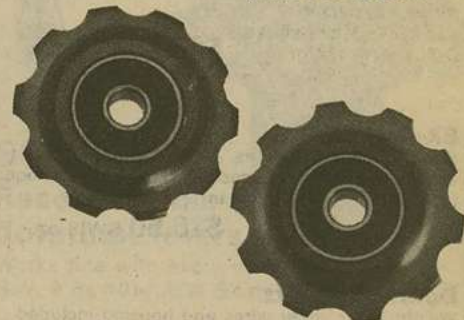
Miscellaneous spares

Bullseye pulley

The only precision sealed ball-bearing derailleur pulleys made. They are red anodized light aluminum and lubricated to eliminate frequent cleaning and lubing commonly associated with ordinary pulleys. Easily installed, using existing pins. They replace any pulley, fit 5 or 6 mm pins, and can be moved from one derailleur to another, using extra spacers supplied. The manufacturer claims that they have only 1/6 the friction and far longer life than ordinary types. In its own testing, the manufacturer documents a drag saving equal to a "free" 17 feet per mile of riding. Report available on request. A/W 14 gr/S.W. 3 oz.

BLS-2

\$11.39/13.50 /pair



See Cable Section for other related parts.

One Inch Diameter Adapter

Mounts ALL 1 1/8" Ø front derailleurs to bikes with 1" Ø seat tube.

S.W. 2 oz.

1-ADPT

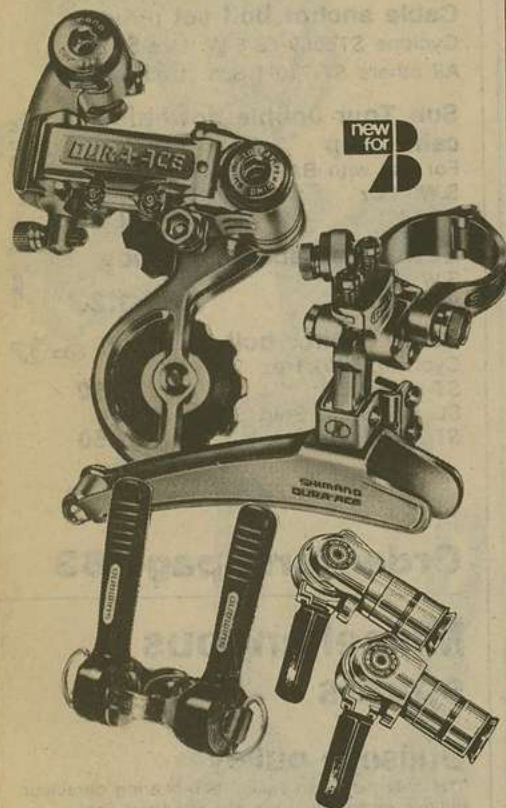
\$1.00

Derailleurs

DURA-ACE

EX

Lighter weight, 100% Allen bolts, better location of adjustments, Micra alloy, and better finish than '77 models.



Each Dura Ace part is cold-forged from Shimano's exclusive "Micra alloy" and beautifully finished in silver or black under strict standards of quality control.

EX Rear

Synchro-line device keeps adjusting barrel and cable fixing bolt constantly aligned during shifting. New pulley bushings of Q-Sintered alloy, heat-treated nylon-coated steel pins and pivot bolts. Converts to 10mm by changing pulleys and cage plates. For racing. Cap. 24T, 31mm stroke
D-3EX A/W 174 gr **\$26.95** SW 14 oz

EX Front:

Spring steel cage plates. All Allen bolts on right side. New trapezoidal design with arms of unequal length. Lighter overall than previous model.
D-1EX **\$16.50** SW 8 oz.

Downtube levers

Weight 75 gr. inner wires and housing included. S.W. 9 oz.
LA-100-S Silver **\$11.79/13.79**
LA-100-B Black **\$12.59/14.19**

Handlebar end controls

Weight 80 gr. non-ratchet type, with balance spring, includes Teflon coated inner wires, stainless steel cable housing. Cable guides. Silver only. S.W. 9 oz.
LD-500 **\$14.19/17.49**

Original style

Dura Ace series (not pictured)

Crane Silver D3-S S.W. 14 oz. **\$16.88/18.95**
Crane GS Silver D4-S S.W. 1 lb. **\$17.29/19.95**
Dura Ace Fr Silver D1-S S.W. 10 oz. **\$11.88/13.95**
mail order/store

Shimano Spares

Rear Derailleur Pulley Assembly

Includes pulleys (2), bushings (2), side plates (4)
Dura Ace Model All others
DA-1800 S.W. 2 oz. D-Sh-9067 S.W. 2 oz.
\$3.00/set **\$2.50/set**

Cable Anchor Bolt & Clamp

For Dura Ace (rear)
D-DA-9068 S.W. 1 oz. **\$1.50**

Front Cable Anchor Bolt & Clamp

For Dura Ace
DA-9005 S.W. 1 oz. **\$1.50**

Cable Guide

For downtube near bottom bracket. Features pulley on left and guide on right side. S.W. 4 oz.
KA100 **\$3.30**

Chain Stay Cable Stop

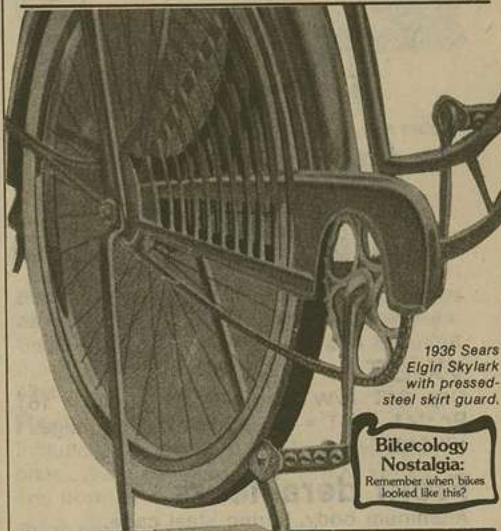
For rear changer. To stop cable housing on frames without integral stop. S.W. 4 oz.
KB110 **\$1.25**

Upper Downtube Double Cable

Housing Stop
For use with BAR CON or stem shift.
S.W. 4 oz.
KB110 **\$1.50**

Arnold Superlight Bolt Set

Fits Crane and Crane GS
S.W. 2 oz. **\$10.00/set**



1936 Sears Elgin Skylark with pressed-steel skirt guard.

Bikeology Nostalgia:
Remember when bikes looked like this?



Technical Information
Our front derailleurs fit seat tube outside diameter (O.D.) 28.6mm (1 1/8") on all Engl. It. and Japan.

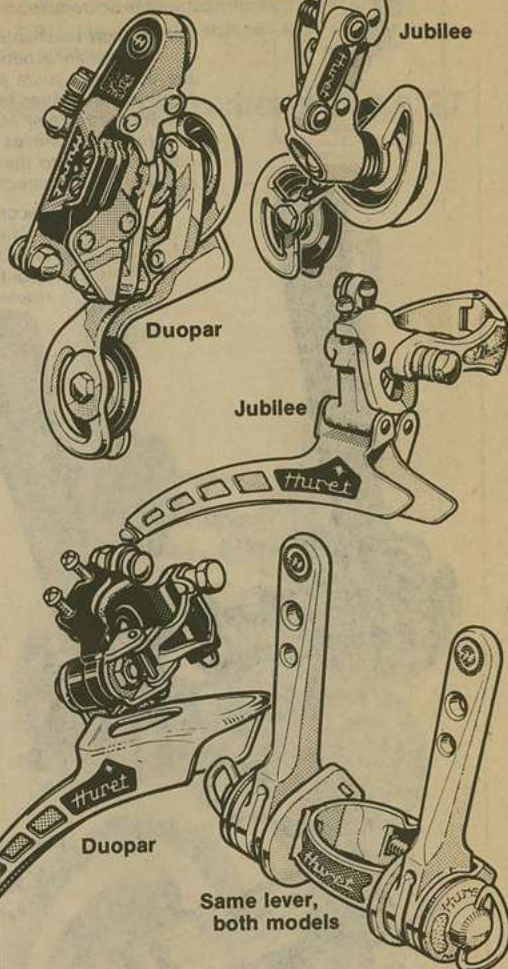
Warning—French bikes with standard tubing are 28mm. We are not responsible for damage caused by overtightening the clamp on French bike. Use a shim.

Low normal = front gear cable relaxed when low sprocket engaged. Tension cable to upshift; e.g. Cyclone, Campy, Dura Ace. **High normal** = front gear cable relaxed when high sprocket engaged. Tension cable to downshift.

Frames with this type dropout do not require mounting plate.



Huret



This famous French maker needs no introduction. This year we offer you two very unusual models which deserve your consideration, offered only in complete sets consisting of changers, levers, cables and clips.

Jubilee: Racing

Forged light alloy and polished to the shiniest, mirror-like finish of any changer on the market. And at only Rr. 136 gr (4.12 oz) the world's lightest. Don't be fooled by simple appearance—it works great.

Specify make of dropout, if unknown bike make & model.

Fr. 80 gr. (2.13 oz) with aluminum cage. Set includes shift lever of same alloy.

HUR-J **Low introductory price \$54.88**

Duopar Tourist: Titanium

We're proud to be the world's 1st catalog to feature this revolutionary new patented design. The rear changer has double parallelograms instead of the usual single. Unfortunately no better illustration was available by our publishing date. The changer is composed of two main parts: the Cage and the Body. The body moves in and out in the normal way according to which cog is engaged. The cage moves clockwise and counter-clockwise according to how much slack chain must be tightened. Up to this point, the Duopar is not unlike other brands. What's new is an extension arm connecting the main body and the pulley cage. This arm pivots from 12 to 6 o'clock in 2 places giving the entire cage the ability to move up and down according to gear engagement.

The result is greater elimination of sloppy, rough shifting among large cogs around the 30T to 34T level. Workmanship and material is meticulous. The rear is made of Titanium and aluminum and weighs only 264 gr (9.5 oz). Front is 140 gr (4.15 oz) with spring steel cage.

HUR-D **Low introductory price \$69.88**

Campy spares

Chain stay cable housing stop
For use on bikes without integral stop.
C 636 S.W. 3 oz.



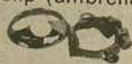
\$1.98

Double downtube cable guide
For use with Campy controls.
C 626(A) S.W. 4 oz.



\$2.19/3.15

Double downtube cable housing stop
For use with C1012/3.
C 629 S.W. 4 oz
With built in pump clip (umbrella type)
C 633 S.W. 4 oz



\$4.30

Campy rear derailleur spares

Cable clamp washer and bolt
(NR, SR, R) S.W. 1 oz. 88, 124

1.50/set

Pulleys, bushings, side plates
(NR, SR, R) set of two 930/a(2), 931/a(2), 932/a(H) CAMP-PBP S.W. 2 oz

\$6.95/set

Upper pivot bolt
(NR) S.W. 1 oz 166/A

\$5.50

Lower tension spring, gear return spring
S.W. 1 oz 98/A, 813/A
CAMP-SPG

\$3.00/set

Derailleur fixing plate
(NR, SR) w/nut and bolt 80/2, 124, 125 S.W. 1 oz
CAMP-80CMP

\$2.00/set

Gear spring bolt
(NR, R) S.W. 1 oz
811/A

\$6.85

Cage plates for rear
(NR, SR) S.W. 1 oz 815/A, 814/A
CAMP-CL

\$12.77

Campy front derailleur spares

Cable anchor bolt & washer
S.W. 1 oz 779-80

1.50/set

Cage assembly
S.W. 2 oz 784

\$7.95

Upper and lower arm
S.W. 2 oz 778, 782

\$9.95

Body
S.W. 2 oz. 773

\$11.50

Spring
S.W. 1 oz 787

\$1.35

Lever spares

R.H. lever only
S.W. 1 oz 601

\$4.29

L.H. lever only
S.W. 1 oz 602

\$4.29

Wingnut & washer set
for cover plate-friction adjustment S.W. 1 oz
603, 174, 604/1

\$2.50/set

Rubber lever cover
choice of black, blue, green, gray, red, white, yellow. Fits wheel skewers also. S.W. 1 oz
173

\$1.50/pr.

Arnold Superlight bolt set

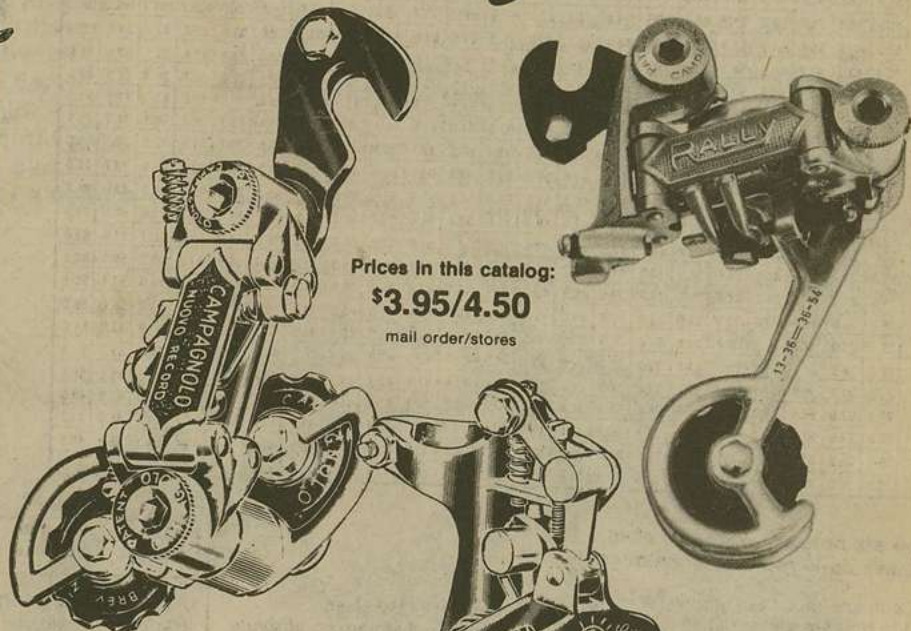
Two main bolts for Campy 1020/A
S.W. 2 oz

\$8.69/10.00/set

Ordering instructions page 37

Derailleurs

Campagnolo



Prices in this catalog:

\$3.95/4.50

mail order/stores

Rear derailleurs

Nuovo Record rear
Fixing plate for frame attachment not included. Cap. 28T A/W 230 gr
S.W. 14 oz C1020

\$27.88/31.88

Super Record rear
Substantially changed. New cage with more cog wrap, improved cosmetic. Old Sup. Rec. is discontinued. 4001/1

\$52.95/55.00

Rally rear
The Rally is an ultra wide ratio (Cap. 36T) adaptation of the Record and shows the same quality and workmanship. Includes fixing plate. A/W 310 gr
S.W. 14 oz. 3450

\$34.29/39.88

Front derailleurs

New style Nuovo Record front derailleur
Replaces Record 1052. Same design except for holes in cage and slightly better finish. This model is a running change which will enter our stock in Spring 78. 1052-1

\$17.39/19.99

Note: Super Record front project was dropped by Campy. The top front model is Nuovo Record (above).

Shift levers

Record double downtube levers
Works fine with every derailleur
S.W. 9 oz 1014 A/W 82 gr

\$9.39/10.59

Braze-on lever kit
(downtube) Incl. braze-on studs, consists of: 601, 602, 174(2), 603(2), 604/1(2), 660(2), 600/2, 611/2, 661(2)
S.W. 4 oz.

\$12.95

Handlebar shift controls
W/o wires, hsnng., etc. A/W 55 gr per lever.
S.W. 8 oz.

mail order \$9.00 ea - 17.89 pr/

store \$11.25 ea - 21.95 pr

Cranksets



This set is made with Shimano's cold forged Micra alloy and displays the same distinctive and beautiful appearance which is typical of the Dura Ace line. The set includes a crank arm removing tool which is optional with most other sets. Our sets include your choice of English or French threads with 112 (68) mm spindle, or Italian threads with 113 (70) mm spindle. Be sure to specify which option you desire.

Touring model

w/guard
Silver, 39/52T, 170mm arms, 9/16 x 20 pedal thread, with guard, choice of BB assemblies listed above.

SDA 90020 Silver **\$65.00**

Racing/general use model

w/o guard
Silver, 42/52T, 170mm arms, 9/16 x 20 pedal thread, without guard, choice of BB assembly.

Silver SDA 90060 **\$63.00**

Comes with crank extractor, chainwheel spanner and 5 mm. allen key S.W. 3 lb.

Chaining options

Sizes 39 thru 53 are available in black and silver.

Change of either ring to any size except 39, 42, and 52 add **\$3.00**

39T LOW

Introducing the all-new Dura Ace EX crankset

This is the crankset for Shimano's new EX series which is designed to be lighter, more easily serviced, and more rugged than the early Dura Ace. The chainwheels have been relieved of their inner bridge and are now made of 75-S alloy with a new high-polish finish. These rings still interchange with early DA crankarms for the low gear capacity of 39 teeth—lowest of all racing cranks. Until production enters the pipeline, we will offer only the complete crankset. No black.

Stock size: 42/53T, 170 mm, English, silver **\$75.00**

Shimano Schwinn bottom bracket conversion kit

This spindle will enable all Schwinn's with Ashtabula one-piece crank bottom bracket shells to accept lighter weight, medium-priced 3-piece cotterless cranksets.

This spindle fits the following crank arms only: Shimano Tourney, SR Apex, Sprint, and Custom.

Includes spindle, bolts, washers. (utilizes existing bearings)

A.W. 10 oz./ S.W. 13 oz.

SHO7420030 **\$10.95**

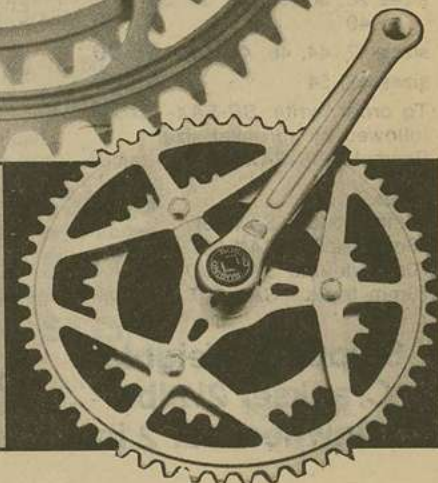


Close Out

Sugino Maxy 3-pin chainwheels

More than half-off these aluminum chainrings. Hurry; offer ends when supply exhausted. Sizes: 33 - 52 teeth, one low price.

S.W. 4 oz. **\$1.98** /ea



Campagnolo

Guaranteed
Lowest
Price!



Cranksets

Over the years, our customers have never stopped asking whether Campy really deserves its incredible reputation. Actually, the more experience one gets with bike parts, the more one becomes convinced that the reputation is correct. There is just so much intelligent design and fine workmanship and materials in every part that it's hard to find fault with anything made by Campy. We stock all of the most popular items and naturally, their spare parts. However these are just a portion of the huge selection Campy offers. With a January 1978 Campy factory increase of 15%, we invite you to compare our cheap prices for 1978.

UNDERSTANDING CAMPAGNOLO TERMINOLOGY:

Some confusion exists among the public as to the exact meaning of the different names containing the word "record". Generally, Super Record refers to the very newest and lightest racing items. Nuovo Record is the best class below Super, and Record is the basic level but of the finest Campy quality. In many items, Record is the only level. Examples are: front changer, all the chrome hardware, and crank arms. Most so-called "full Campy" bikes contain the Record ensemble. As for cranksets, the Nuovo Record crankset only refers to cup and spindle difference. Several years ago, when frame builders began favoring holes in the BB shells, Campy felt it necessary to alter its BB set accordingly. The difference is this: Nuovo Record cups are thicker around the spindle aperture, and they are threaded or "knurled" on the aperture surface facing the spindle in order to dispel water which accumulates in the BB shell as a result of the holes. This "threading" makes them visibly different from Record cups. The Nuovo Record spindle is also different from the Record model due to the fact that the bearings fit slightly farther toward the axle center than is the case with the Record spindle. Last, the Nuovo Record bottom bracket set is supplied with a plastic protective sleeve for the bottom bracket shell. There is no quality difference.

Important:

1. Record cups fit only the Record spindle. Nuovo Record cups fit only the Nuovo Record spindle. Super Record cups fit only the Super Record spindle. If parts are mismatched the adjustable cup will not tighten.
2. Campy makes only one five-pin crank arm--Record--it fits all three spindles: Super, Nuovo Record, and Record.
3. Track spindles are made only in Record and Super Record.

4. The triple spindle is available in Record only.

See p. 48 (crankset parts) for more information on compatibility and for complete bottom bracket sets.

Note all "Cranksets" include bottom brackets, while "chain-wheel sets" do not.

Sugino Mighty Series bottom brackets are interchangeable w/Campagnolo Nuovo Record bottom brackets only.

Record Track Crankset

Single 1/2 x 1/8" chainring, size 42 to 52T. Your choice arm length 165mm-180mm.
SW 2 lb. 1050 **\$116.75**

For size 53-56T chainring
add \$4.00

Super Record Track Chainwheel Set

Single 1/2 x 1/8" chainring. Your choice crank arm length 165mm. - 180mm. Chainwheel 42-52T
SW 2 lb. 4151 **\$99.00**

For chainring 53-56T **\$103.00**

Campy BB sets
see p. 46

Ordering instructions page 37

A.W.=Actual Weight
S.W.=Shipping Weight



Nuovo Record Complete Crankset

(double) Includes bottom bracket.

Stock size: 42/52, 170mm arms, any BB thread.
9/16 x 20 pedal thread. SW 3 lb.
1048 **\$89.90**

Record Road Chain-wheel Set (double)

Same as above but without bottom bracket. Stock size: 42/52, 170mm. arms, 9/16 x 20 pedal thread.
SW 2 lb. 1049 **\$69.25**

Changes

Chaining sizes: 43, 4, 5, 6, 7, 8, 9, 50, 51, 53, 4, 5, 6, 7t and/or arms length 165mm, 167.5, 172.5, 175, 177.5, 180.

Add \$2.00 to above items.

Super Record Road Chainwheel Set

This model has the lightweight, relieved Super Record chainrings. Your choice crank arm length 165 mm. - 180mm., chainwheels 42-57T
SW 2 lb. 1049/A **\$99.95**

Tandem crossover crankset

For the exotically minded, includes bottom bracket 170 mm. arms only, your choice BB thread and spindle length. Direct drive chainrings 42T and above only.
SW 6 lb. CAMTAN

Record triple chainwheel set

For 36T lowest gear. Very rare model. Identical in quality, appearance, etc., to other Record except for specially machined spider drilled for 36T ring attachment. Your choice of rings 36, 42-57T, 170mm. arm length only. Triple Record bottom bracket required. S.W. 3 lb. 1049/5 **\$124.88**

Record Triple Chainwheel Set

For 42T lowest gear. This model accommodates any assortment from 42 to 57 teeth in the standard manner, through use of special long chaining fixing bolts. Uses Record arm. Requires use of Record triple bottom bracket. Your choice arm length 165mm. - 180mm., any three chainrings 42-57T.
SW 3 lb. 1049/3 **\$120.00**

Double (w/Nuovo Record or Record BB), 42-57T rings. **\$335.00**

Triple (w/Record BB) 36T, 42-57T chainrings. **\$360.00**

Bikeology Mail Order, P.O. Box 1880,
Santa Monica, CA 90406 Hot line: (213) 829-7681

Hubs

Phil Wood Sealed Bearing Hubs

Phil hubs have been widely accepted by racers and others who require a top quality, maintenance-free hub with novel design. Note: Phil does not offer a skewer, recommending instead a skewer by Campy, Dura Ace, or other quality brand. Thread, English only Std. Flange **\$49.88/pair**

Standard Flange Front

185 gr. HPW-1 **\$21.89/24.50**
mail order/store

Standard Flange Rear 5-speed

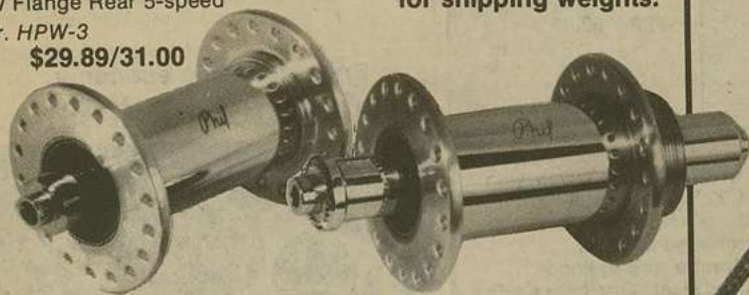
215 gr. HPW-2 **\$25.89/29.50**
Mail/Store

Hi/low Flange Rear 5-speed

235 gr. HPW-3
\$29.89/31.00



See top of p. 54
for shipping weights.

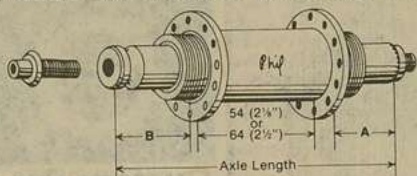


Rear Tandem Hub (Double threaded)

Accepts cluster on right and disc or drum on left. Solid (non QR) axle only. Choice of axle widths - 120, 125, 130, 135 and 140 mm., plus various brake and cluster widths (see chart below to order correct size). 36, 40, or 48 H, holed for 14 (standard) or 12 g. (H.D.) spokes. Recommended especially for use with Phil Wood tandem brake. Choose front hub from standard Phil Wood selection. Payment in full must accompany order. No COD's. Allow 3 weeks for delivery. For complete info., send SASE to us marked "PHIL".

PW-TANH
S.W. 1 1/2 lb.

\$48.00



Cluster Space A	Axle Length				
	120mm (4-3/4")	125mm (4-15/16")	130mm (5-1/8")	135mm (5-5/16")	140mm (5-1/2")
31mm (1-7/32")	21mm (27/32")	26mm (1-1/32")	21mm	26mm	—
36mm (1-13/32")	—	21mm	26mm	21mm	26mm

Brake Space B

Track Hubs Shimano Dura Ace Track Hub Set

Available in matched set only in 28, 32, or 36H Large flange. A.W. 540 gr.

\$52.88/pair

Phil Wood Track

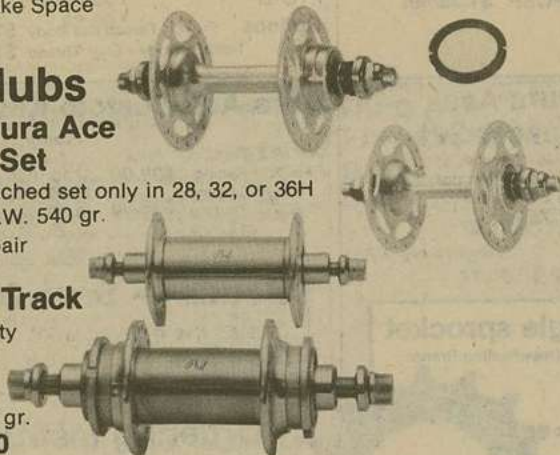
Same Phil quality and sealed bearings.

Front A.W. 220 gr. HPW4 **\$36.00**

Rear A.W. 326 gr. HWP5 **\$47.00**

Track Set \$77.50

52



Prices in this catalog:

\$3.95/4.50

mail order/stores

Campagnolo

Campy Record Road

Used by more great champions than any other. While there are different designs on the market, none is better!

Small flange - Fr. C1034A **\$26.30**

Large flange - Fr. C1035A **\$27.60**

Small flange - Rr. C1034P* **\$30.50**

Large flange - Rr. C1035P* **\$31.60**

Pair Small flange C1034* **\$51.88**

Pair Large flange C1035* **\$54.88**

*6 Speed Rear add: **\$7.00**

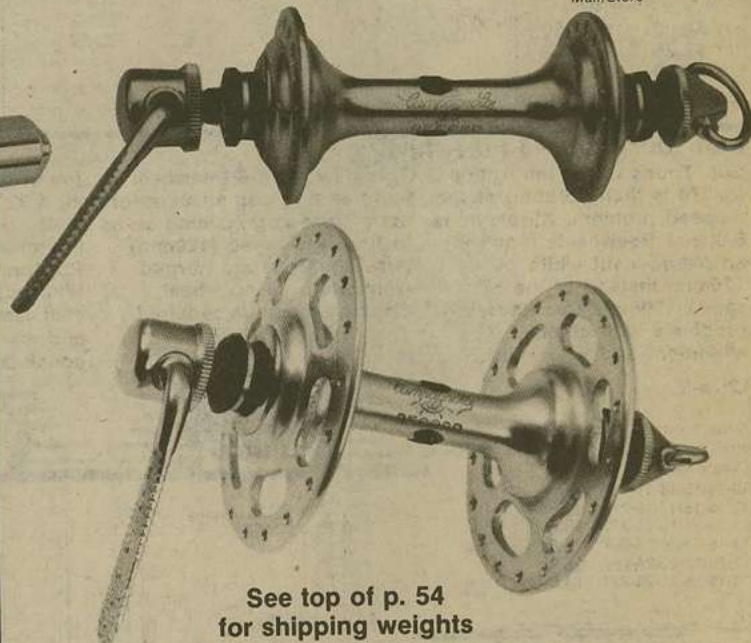
Important! Separates are offered in 36H only.



Small flange pair C1034*

\$44.79/51.88

Mail/Store



See top of p. 54
for shipping weights

Record Spare Parts

Skewer Assembly - Fr.

1001/3 **\$9.45**

Skewer Assembly - rr.

1006/8 **\$9.45**

QR Conical Adjustor

59 **\$4.75/ea**

QR Skewer cap 60 **\$2.50/ea**

Front Skewer rod only

64 **\$2.85**

Rear Skewer rod only

65 **\$2.95**

Conical Spring

18 **\$.60/ea**

QR lever w/ domed nut and grower washer

61, 61/1, 61/2 **\$4.50**

Front axle set complete

1001/4S **\$7.75**

Rear 5-Speed axle set

complete 1006/5S **\$9.25**

Rear 6-Speed axle set

complete 1006/6S **\$9.95**

Set of Balls, races, dust covers

for Front Hub nos. 737 (2), 739 (2), 2104 **\$9.95/set**

Same as above for Rear

Hub nos. 738 (2), 740 (2), 2106 (2) **\$9.95/set**

Sugino Cone wrenches

Finest quality tempered steel, chrome plated and extra thin. Professional shop quality from this famous maker.

Sizes:

13-14mm fit almost every make hub

15-16mm

14-17mm required for Sunshine and other cheapo models.

Cat # is M5

\$1.75 each

\$2.49 pair (any 2)

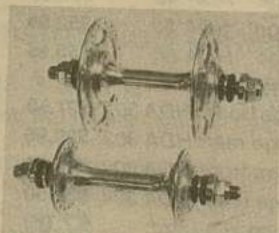
SW 4 oz. ea.



Campagnolo Track Hubs

Threading: Engl., Ital., Fr.
Drilling: 24, 28, 32, 36, 40.

Small flange - Front 1036/2A \$23.88/26.00	Large flange - Front 1036/A \$24.39
Small flange - Rear 1036/2P \$23.88/27.00	Large flange - Rear 1036/P \$24.39/32.50
Pair - Small flange 1036/2 \$43.88/47.88	Pair - Large flange 1036 \$44.89



Campy Hi/Lo flange hub

Specially ordered, this model is not even in the Campy catalog. Originally used by the German Olympic team. First time available in the USA. A stiff, strong large flange on cluster side where torque (and spoke breakage) is greatest. Design eliminates wheel dish problem, gives even spoke tension to both sides. Hurry... supply limited on this special offer. May never be available again. Note we do *not* offer spokes in sets of 18. 36-hole drilling only. Pair with: Low flange front, Hi/Lo rear



Hi/Lo rear only **\$50.00**
Low flange front, Hi/Lo rear **\$74.25**

Front QR axle only
19 **\$4.40**

Rear 5-Speed QR axle only
29/P **\$4.50**

Rear 6-Speed QR axle only
29/6 **\$4.75**

Oil Hole Spring cover
741 **\$.75/ea;**

Track Spare Parts

Front axle assembly complete (incl. end nuts)
1001/4P **\$10.95**

Rear axle assembly complete (incl. end nuts)
1006/5P **\$12.50**

Set of bearings, races & dust covers. Front Nos. 739 (2), 2104 (2) and 737 (2)
\$10.95

Same for Rear Nos. 740 (2), 738 (2), and 2106 (2)
\$10.95

Lock ring for sprocket
743 **\$1.90**

Economy cone wrench set

For home mechanic. 2 wrenches.
Sizes: 13-14 and 15-16.
Plastic case. S.W. 5 oz.
M11 **\$2.49 pair**



See tool section for more cone wrenches and hub tools.

SHIMANO 600 QR

The aluminum shell is styled exactly the same as Dura Ace. Quality and finish are far superior to standard alloy hubs but below that of Dura Ace. We stock a specially anodized better finished model used on high priced bicycles. The difference is obvious. Check our cheap price!

5-Speed, English threaded, 36H, silver only.

	Overlocknut size Front	Overlocknut size Rear	Wt. Ft.	Wt. Fr.
Small flange	100mm	120mm	235 gr	340 gr
Large flange	100mm	120mm	275 gr	350 gr

Small flange Front **H600SF \$9.50**

Large flange Front **H600LF \$10.25**

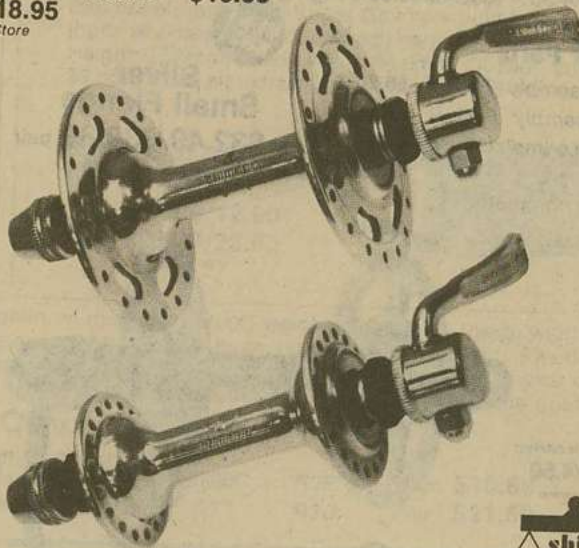
Small flange Rear **H600SR \$10.75**

Large flange Rear **H600LR \$11.50**

Pair Small flange **H600S \$16.49/18.95**

Pair Large flange **H600L \$19.95**

Mail order/Store



Ordering instructions page 37
Order form page 63

Great European Thread Mystery Explained!

Hard to believe but true—these systems actually created by human minds! British and Italian can coexist in a class-B fit but both are incompatible with French.

▲ All tolerances are - minus -
* All tolerances are + plus +.

P = thread pitch

n = number of threads per inch

d = hub thread root diameter

d_h = mean hub diameter

d_o = outer hub diameter

d_r = free-hat thread root diameter

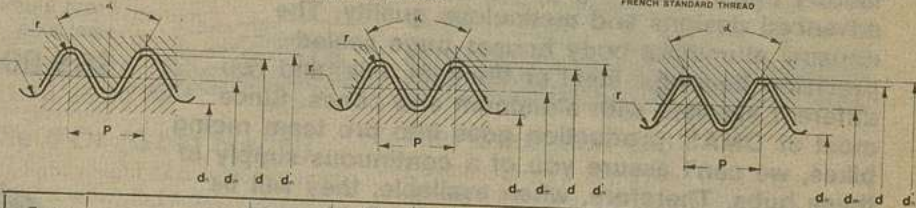
α = thread angle

r = fillet radius

ITALIAN STANDARD THREAD

BRITISH STANDARD THREAD

FRENCH STANDARD THREAD



Type	P		n	d _h	d _o	d	d _r	α	r
	mm	inches		mm	mm	mm	mm		
Italian	1,058	1/24,0	24,0	33,646	34,323	35,000	35,000	55	0,14
British	1,058	1/24,0	24,0	33,670	34,234	34,798	34,798	60	0,17
French	1,000	1/25,4	25,4	33,400	34,050	34,700	34,700	60	0,11

Hubs

BEST BUY!

\$16.49

Small Flange
by mail order



See top of
p. 54 for
shipping weights.

Hubs

IMPORTANT:

- 1.) Every hub we sell includes a matching skewer unless stated otherwise.
- 2.) Be sure to specify all pertinent

Information with order:
 Threading: Eng., Fr., Ital., (Where available).
 Flange size: Small - Large
 Color: Silver - Black (where available)
 front or rear

Shipping Weight
 1 hub - 1 lb
 2 hubs - 1 lb 9 oz.
 Axle Set 1 - 5 oz. 2 - 10 oz.
 Skewer Assembly 1 - 5 oz. 2 - 10 oz.
ORDER A PAIR AND SAVE!

Sanshin Pro Am

Our best hub value! Professional quality and appearance at a reasonable cost. Beautiful pearlescent finish. Cold forged aluminum. Precision machined races, cones, balls. Drilling 36 x 36 only. Threading: English only. Quick release.

Silver		Black	
Sm flg: Fr.	HPA 101	Sm flg: Fr.	HPA 105
Sm flg: Rr.	HPA 102	Sm flg: Rr.	HPA 106
Pr Sm flg	HPA 10	Pr sm flg	HPA 50
Lg flg: Fr.	HPA 103	Lg flg: Fr.	HPA 107
Lg flg: Rr.	HPA 104	Lg flg: Rr.	HPA 108
Pr lg flg	HPA 30	Pr lg flg	HPA 70

mail order/store

\$18.00 \$19.00 \$32.49/36.88 \$19.00 \$21.00 \$35.49/39.89

\$20.88 \$21.88 \$39.88 \$21.88 \$23.88 \$42.88

Pro Am Spare Parts

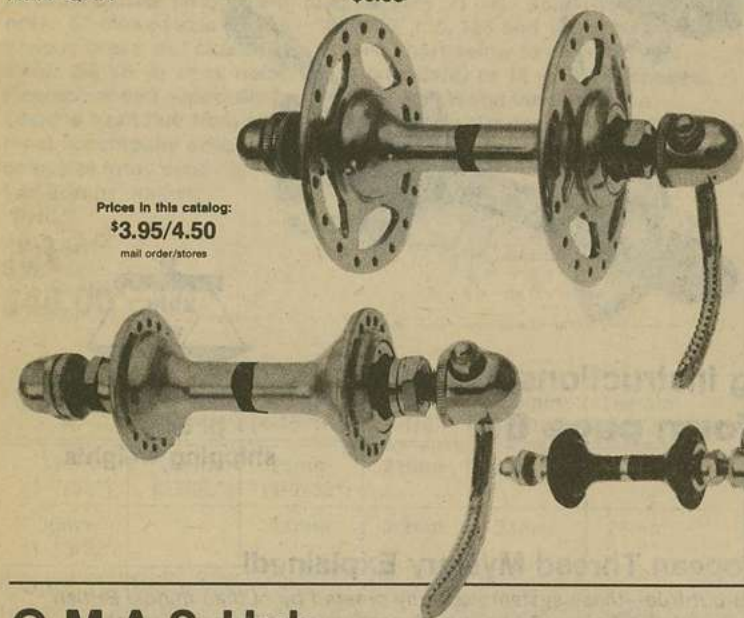
Front Skewer Assembly	HPA-F	\$6.50
Rear Skewer Assembly	HPA-R	\$6.95
Front QR axle set complete	HPA-QRF	\$6.50
Rear QR axle set complete	HPA-QRR	\$6.95



Silver Small Flange

only \$32.49/\$39.89 pair
 M.O. Store

Prices in this catalog:
 \$3.95/4.50
 mail order/stores



Shimano Dura Ace

Shimano is particularly proud of these hubs which are truly unsurpassed by any other brand. 36 hole only.

Matched Sets

Silver small flange*	HDA 30	\$41.69/\$49.95
Silver large flange*	HDA 40	\$52.95
Black small flange*	HDA 50	\$52.95
Black large flange*	HDA 60	\$55.95

Dura Ace Spare Parts

Skewer Assembly - front	HDA 233-2	\$11.50
Skewer Assembly - rear 5 Sp	HDA 243-2	\$11.75
Skewer Assembly - rear 6 sp	HDA-243-2 (6)	\$12.50
AR Axle Set complete - Fr.	HAD 243-3	\$10.95
QR Axle set complete - Rr/5	HDA 243-4	\$11.25
QR Axle set complete - Rr/6	HDA 243-6	\$11.95

Individual Hub

Silver small flange front	HDA 301	\$27.50
Silver small flange rear	HDA 302	\$29.95
Silver large flange front	HDA 303	\$28.50
Silver large flange rear*	HDA 304	\$31.50
*for 6-speed option H6 add:		\$7.00



Silver Small Flange
 \$41.69/49.95
 mail order/store

Front & Rear Hub Set

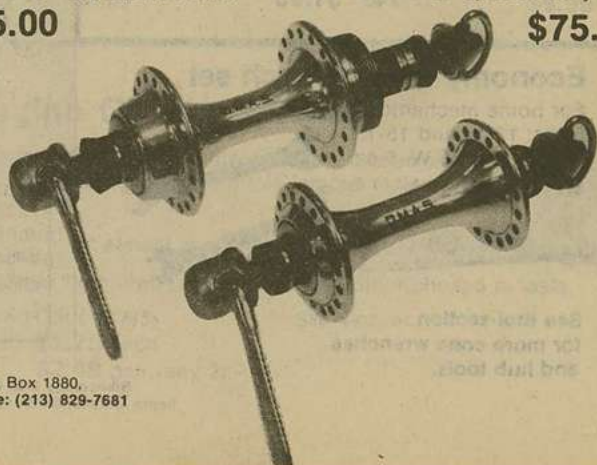
With skewers, countersunk 14-gauge spoke holes
 Front 100mm Rear 125mm (6-speed)

Art. 101/S Act. Wt. 475 gr
 Front aluminum axle, Rear steel axle QR Skewer steel

Art. 101/T Act. Wt. 465 gr
 Front and Rear axle of Titanium QR Skewer of special alloy

\$55.00

\$75.00



O.M.A.S Hub

Here's another outstanding component from the factory that's becoming famous for its technically advanced designs and meticulous quality. The unusual aluminum body houses huge sealed precision bearings, steel or titanium axle, and two different skewers with aluminum end cones. Since most of OMAS' production goes into pro team racing bikes, we can't assure you of a continuous supply of these hubs. Therefore, when available, they will be offered primarily through our stores. Customers desiring to place a firm "On Arrival" non-cancellable order good for at least 4 months may do so by paying in full with the order. Or, you may ask us for a current stock report in which case we'll reserve the pair of your choice (if available) until your payment is received. Italy.

Rims

Clincher Rims

Now that one year has passed since the introduction of extra-narrow rims by most of the major manufacturers, some of the past confusion over tire/rim compatibility (see p. 58) and brand differences can be clarified. During the same period the most popular tires have changed from 31-34mm to 25-28mm in width. It is now universally recognized that the tubular



Shipping Weights for All Rims - any make

- 1 Rim = 5 lbs.
- 2 Rims = 6 lbs.
- 3 Rims = 7 lbs.

type construction pioneered by Mavic in 1975 with its Module type rims is the strongest and lightest design available.

Tubular Type Construction Clinchers

Mavic Module Series 3 and E

This new design revolutionized rim theory because it offers improved rigidity at reduced weight. Inside and outside widths for the E and 3 are 13-19.7mm and 16-22mm respectively. Overall section height is 27.5mm. The E weighs 410 grams and fits 25 and 28mm tires while the 3 weighs 480 grams and fits standard 1 1/4 and 1 1/2 (32mm+) tires. Won't fit Schwinn Super Record tire. Both are available in 27" and 700C sizes. Finish and appearance is dull-unpolished with smooth side.

Each **\$11.90/12.90**
Pair **\$23.70/25.50**

mail order/store

Model	Inside Width	Outside Width
E	13	19.7mm
3	16	22 mm

Mod E 27" **RME-27**
Mod E 700C **RME-700**



Mod 3 27" **RM3-27**
Mod 3 700C **RM3-700**



Super Champion 20mm Extra Narrow

One of the most widely accepted brands in the industry today. Although sometimes difficult to obtain, Super Champion is known for excellent quality and the best finish and beauty in Europe. Since the Mavic Modular leaves something to be desired in beauty (but not strength) the Super Champ would be a wise choice for those who desire concourse appearance. Tubular construction. Height: 13.5mm, Inside Width 14.6mm, Outside Width 20mm, 36 holes. Fits all extra-narrow tires from 25-28mm.

27-Inch **R-SC2027**
700C **R-SC20700**

Each **\$11.90/12.90**
Pair **\$23.70/25.50**

mail order/store



Super Champion box construction clincher

This year this category dropped from 5 to only one selection. It's due partly to the take-over by tubular construction because of the popularity of the tubular types above. These Super Champion rims have always

been the most popular aluminum rims and with the new high Japanese yen, they are now reasonably priced compared with rims from other countries.

Super Champion Clincher

Originator of box construction design. Beautiful finish with pebbled side surfaces. Ferruled holes, 27 inch weighs 495 grams,

700C weighs 480 grams. Inside width: 18mm; outside width: 22.2mm. Fits normal 28mm+ tires. Because this is never continuously available, we reserve the right to substitute Rigida Alu

700C **R3F** Each **\$10.88**
27" **R3G** Pair **\$21.50**



Tubular Tire Rims

Featuring Super Champion and Nisi

In our continuing efforts to provide you with the finest and most popular products in every category, we have selected these five rims from the two leading factories. Nisi is a member of the Campagnolo-Ultima Group of Italian racing parts manufacturers and is used as original equipment on such leading bikes as Cinelli, Colnago, Rossin, De Rosa, and Pogliaghi.

Fiamme Red Label Track



One of the only genuine track rims available, this 310 gram rim features a 'V' section for extra rigidity needed in banked turns. Fully ferruled, 19mm width. Drilling: 28, 32 and 36 hole.

RI-T **\$10.50/ea.**
\$19.88/pr.

Guaranteed Lowest Price!



Explanation page 69

Super Champion Tubulars

These popular French rims can be trusted for great reliability and performance. Fully ferruled, smooth sided and highly polished. All models are 36 hole only.

Arc en Ciel (Rainbow)

At 330 grams, the Rainbow is suitable for both road racing and touring. 20mm width.

Each **\$10.89/12.88**

Pair **\$21.75/25.50**

mail order/store



Record du Monde (World Record)

For light road and Criterium. Width - 19.5mm, 310 gr.

Each **\$10.89/12.88**

Pair **\$21.75/25.50**

mail order/store



Medaille d'Or (Gold Medal)

Despite its light weight of only 260 grams, this tests out (below) to be extremely strong for all types of racing where lightness is crucial.

Breaking point: 36 Tube thickness: .8mm
Elasticity: 30 Height: 11.5mm
Elongation: 8% Width: 19.5mm

Each **\$12.39/14.39**

Pair **\$24.69/27.89**

mail order/store



Nisi Sludi Road Racing

The top of the line model, made of very exotic aluminum alloy not used by other makers, extremely strong. Darker gray finish, smooth sides, with spoke hole washer affixed to hole. A raised casting is embossed with the Nisi logo. 36 hole only.

290 gram Recommended for racers under 160 lbs. For time trial, track, criterium, good roads.

NI 290 Each **\$25.00**
Pair **\$49.00**

320 gram Racers over 160 lbs. Road racing.

NI 320



Nisi Countach 350

Excellent quality all-purpose model of normal aluminum. Familiar falcon logo. Hole washers affixed to hole. 20.0mm width, 350 grams, 36H, silver smooth sides.

NIC350 Each **\$20.00**
Pair **\$39.00**



Rims

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Model	Inside Width	Outside Width
E	13	19.7mm
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Mod E 700C RME-700



Mod 3 27" RM3-27
Mod 3 700C RM3-700



Shipping Weights for All Rims - any make
1 Rim = 5 lbs.
2 Rims = 6 lbs.
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mail order/store



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Pair **\$24.69/27.89**
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290 gram Recommended for racers under 160 lbs. For time trial, track, criterium, good roads.

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Pair **\$49.00**

320 gram Racers over 160 lbs. Road racing.



Nisi Countach 350

Excellent quality all-purpose model of normal aluminum. Familiar falcon logo. Hole washers affixed to hole. 20.0mm width, 350 grams, 36H, silver smooth sides.

NIC350 Each **\$20.00**
Pair **\$39.00**



Tubular Tires

Tubular tire manufacturing recently underwent major changes as a result of new technology. In 1976, Clement introduced its new latex rubber inner tube on all but a few models. Unfortunately some of our overzealous competitors' early publicity created the erroneous impression that the tires were "puncture proof" and that was not quite true as they are puncture resistant rather than puncture proof. The extremely pliable Clement latex tube simply yields against penetration by sharp pointed objects such as nails and thorns. No system is very effective against slashing or skidding (abrasive) leaks. Despite increasing sales of ultra light clinchers, the demand for high quality tubulars has never been greater. There are evidently enough die-hard tubular users to keep the few Italian, French and others perennially oversold.

Prices

Clement and Hutchinson are fairly even in quality and performance. Clement prices are higher now due to a new and less efficient distribution system which adds 2 new layers of middlemen profit to the price you pay. **WARNING:** There is quite a difference in quality, performance and durability between low priced vulcanized and high priced handmade tubulars.

Ordering instructions page 37
Order form page 63

Quality:







It is common knowledge that a top quality hand made silk tubular like the Clement Campionato del Mondo can last 3 times longer than one of low priced vulcanized cotton. Our last comment on this issue is that a large part of the anti-tubular dogma is unfounded and unfair. In our experience operating 4 pro-oriented stores, the overwhelming majority of tubular owners have expressed contentment with tubulars.

V = Vulcanized • CP = Cold Processed

Substitutions:




Although we maintain a huge inventory of tubulars, the very nature of this product and the small factories which produce it have made seasonal shortages inevitable. If we are out of one of the ordinary tires, we will substitute one of like weight, quality, and cost. We will not substitute for exotics such as the silks and fine cottons. If you are not satisfied with such an action, simply return the tire, unused, and your payment and postage will be refunded immediately. You may prefer to instruct: "No substitutes."

Heavy Duty Economy — For durability, rough roads and touring. Cyclocross models. Low profile.

Description	Gram Weight	Casing Fabric	Tire Width In mm	Tread Pattern	Tube Material	Mold *	Catalog No. Price	Shipping Weight	
Clement Gran Sport 65 Clement's heaviest. Popular among tourists. 85-95 psi. Replaces Elvizia as heavy model.	420	Thick Cotton	28	Rib and Medium File	Butyl	V	Art 22VU \$11.88/12.88	17 oz. each 35 oz. pair	
Clement Veltro Great all-around tire. Faster, narrower than Gran Sport. Listed as "Extra-Fine" in Clement catalog. 90-105 psi.	370	Thick Cotton	26	Chevron Twill	Latex	V	Art 21BVU \$12.88/13.88	15 oz. each 28 oz. pair	
Clement Ruota 24 24" for midget racer.	305	Standard Cotton	26	Chevron	Butyl	V	Art 24VU305 \$11.88/13.88	12 oz. each 22 oz. pair	
Hutchinson Cross TR Ideal for diverse surfaces, long wear and good puncture resistance, very "solid" steering (85-105 psi)	380	Thick Cotton	28	very coarse file center, ribbed outer	Butyl	V	XTR \$10.88	15 oz. each 28 oz. pair	
Clement Compestre Strictly Cyclocross. For wet or muddy course.	340	Standard Cotton	28	Sculptured Studs	Latex	CP	Art 18SE \$16.88/17.88	1 lb. each 31 oz. pair	
Hutchinson Supersprint Fast tread, high pressure long wearing. Tour/train/general purpose 85-105 psi.	320	Cotton	28	Narrow profile, ribbed	Butyl	V	S-320 \$10.88	15 oz. each 22 oz. pair	


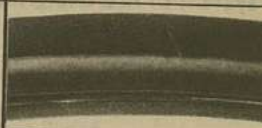




Middleweight — Good wearing, higher performance. General use/training/touring.

Description	Gram Weight	Casing Fabric	Tire Width In mm	Tread Pattern	Tube Material	Mold *	Catalog No. Price	Shipping Weight	
Hutchinson GTX-80 Unique tread design, fast, high pressure, versatile. The best buy for a low weight tire. 90-110 psi.	290	Cotton	24	Medium file & ribs	Butyl	V	GTX80 \$11.88	12 oz. each 24 oz. pair	
Clement "50" Extremely popular for touring and training. Fast tread. Superior cotton and workmanship. 90-105 psi.	290	No. 2 Cotton	27	Ribbed	Latex	CP	Art. 19SE \$16.88	12 oz. each 24 oz. pair	
Clement Campionato del Mondo World's most popular touring tire. Outwears most cottons by 3 to 1. Fantastic handling. Well worth extra money for the distance rider. 100-120 psi.	290	Standard Silk	29	Ribbed	Latex	CP	Art. 13SS \$31.88	12 oz. each 24 oz. pair	









Lightweight Cotton — High performance, fast tread, high pressure. Low profile. For road race/training/touring.

Description	Gram Weight	Casing Fabric	Tire Width In mm	Tread Pattern	Tube Material	Mold	Catalog No. Price	Shipping Weight	
Clement "70" High performance, fast tread, high pressure, low profile. For road race/training/touring. 85-115 psi.	260	No. 2 Cotton	25	Rib/ Medium File	Latex	CP	Art 16SE \$19.88	12 oz. each 24 oz. pair	
Clement Criterium 280 Road/Criterium. Hand made with best materials. 100-120 psi.	280	No. 1 Finest Cotton	25	Chevron/ Rib Center	Latex	CP	Art 12BSC280 \$27.88	12 oz. each 24 oz. pair	
Clement Criterium 260 Road/Criterium. Hand made with best materials. Known as "Red label". 100-120 psi.	260	No. 1 Finest Cotton	25	Chevron	Latex	CP	Art 12BSC260 \$27.88	12 oz. each 24 oz. pair	
Clement Strada 66 Very popular racing model. Best quality. 100-120 psi.	250	No. 1 Finest Cotton	24	Fine File	Latex	CP	Art 6SS250 \$31.88	11 oz. each 21 oz. pair	

V = Vulcanized CP = Cold Processed Handmade

Racing Silks — Fastest possible design; highest psi; best quality obtainable. Criterium, road, touring, training.

Description	Gram Weight	Casing Fabric	Tire Width In mm	Tread Pattern	Tube Material	Mold	Catalog No. Price	Shipping Weight	
Clement Criterium Seta Clement's biggest selling silk. Outstanding performance, wear. 100-120 psi.	250	Standard Silk	24	Chevron/ 4 Ribs	Latex	CP	Art 12BSC250 \$27.88	11 oz. each 21 oz. pair	
Clement Criterium Seta Extra All-out racing over good roads. Special, light silk casing. 105-120 psi.	230	Extra Light Silk	24	Chevron/ 4 Ribs	Latex	CP	Art 1BSS230 \$34.88	10 oz. each 20 oz. pair	
Clement Criterium Seta Criterium/light road race. Good roads. 105-120 psi.	220	Standard Silk	24.5	Very Fine File	Latex	CP	Art 6SS220 \$31.88	10 oz. each 20 oz. pair	
Clement Criterium Seta Extra Criterium track. Very rugged for its weight. 105-120 psi.	195	Extra Light Silk	24	Very Fine File	Latex	CP	Art 1BSS195 \$34.88	9 oz. each 18 oz. pair	
Clement No. 3 Pista Seta Track 120-140 psi	175	Silk	20	Flat Smooth	Latex	CP	Art 3PS \$31.88	8 oz. each 16 oz. pair	
Clement Pista Seta Extra #1 Track 120-140 psi	145	Extra Light Silk	20	Flat Smooth	Latex	CP	Art 1PS \$34.88	8 oz. each 16 oz. pair	

Panaracer SW 1 lb
Very popular new line of tubulars with casing of rugged nylon instead of cotton or silk. Fast and hard-riding, wears better than cotton. Approximately 105 psi maximum. Same chevron/rib tread all 3 models. Butyl tube, vulcanized. Japan.

230 gr Racing PAN-230
270 gr Racing PAN-270
300 gr Race/ PAN-300
General **\$14.95/ea - 29.50/pr**

One Low Introductory Price

Bikecology Nylon Spare Tire/Tool Bags

Both models are made of rugged nylon and fit tightly below the seat, giving your bike a neat, detailed professional look. Colors p. 8.

2010 Fully zippered, easily holds 2 tubulars plus tools and other things. Nylon attach strap incl. Red and Blu only. 10x3½x3", 1900 cu in. S.W. 5 oz.

MK1011 Tire comp. open at top. Tool comp. has flap w Velcro close. Attach to seat and st. post w Velcro. Lge enough for heaviest tubular + plenty of tools. Red

Blue, Orange, Green, Yellow, Blk. Pls indicate 2nd, 3rd choice. SW 4 oz

\$5.99 Both Models

Oxford nylon

19 Cordura nylon

Spare tire clamp for seat

Minimal weight (47 gr) and space way to carry tubulars, tubes, or new foldable clinchers. SW 3 oz.

\$3.33

Clincher Tires

Here's one of the international specification messes which has been cleared up. The following information should be read in conjunction with the introduction to rims. A standardization committee called the European Tire and Rim Technical Organization (ETRTO) has prepared a simplified system of tire designations. The designation 27 x 1 1/4 indicates that the outer diameter is 27 inches and that the height and width are both 1 1/4 inches. Another variation is a mark like 27 x 1 x 1 1/4" which indicates that the width and height are both 1 inch and that the tire fits a 1 1/4 inch rim.

Shipping weights: 1 lb. ea., 2 lbs. pair

	ETRTO	CONVENTIONAL
A	25-630	27 x 1 1/4 x 1
B	25-622	28 x 1 5/8" x 1 (*700C)

This methodology has been dropped by ETRTO in favor of metric designations.

Thus, in A, tire width and height are 25 mm each and rim diameter is 629.6 mm (rounded off to 630) or the better known 27 inch. Example B refers to "700C". Ordering the right tire is easy if you know the rim designations and vice versa. But what out! Actual widths when inflated are another matter. Check our listings carefully.

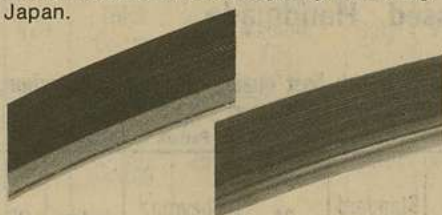
25 mm Superlight Skinwall Clinchers

In 1977 this design surpassed the original 27 x 1 1/4" skinwall in popularity. We have now sold thousands with an equal number of happy customers. The chevron/rib tread design, fine silk-like nylon casing and top grade rubber assures low rolling resistance, tremendous wear and traction plus very easy installation. A rugged steel bead insures that the tire will stay on the rim. The translucent "skin" sidewall derives its beauty from the thin layer of natural gum rubber and the shiny black tread. The appearance from a few inches away is that of a fine tubular tire. Don't be confused by the many imitations on the market.

We supply only genuine Panasonic RRE under the Cycle Pro label and IRC Roadlite

Z. At 100 psi and 270 grams, these are out-front leaders in this new technology.

We offer 2 important widths (as distinguished from diameters): 25 mm and 28 mm in these skinwalls. The 25 mm is best for flat-out performance and minimum weight. The casing of the 28 mm is a bit wider and therefore more stable under heavy loads and more forgiving in turning. Japan.



U.S.	ETRTO	ACTUAL WIDTH	PSI	WT (gr)	DESCRIP.	CAT #	PRICE
27 x 1 1/4 x 1	25-630	22mm	90 psi	270	Super Narrow and Light	RRE-25-630	\$7.88
27 x 1 1/4	28-630	27mm	90 psi	300	Medium Width	RRE-28-630	\$7.88
25 x 700C	25-622	22mm	85 psi	270	Super Narrow and Light	RRE-25-622	\$7.88
28 x 700C	28-622	27mm	75 psi	300	Medium Width	RRE-28-622	\$7.88

IRC Tires Japan. Over the years, we've sold tens of thousands of IRC tires and tubes as a result of our volume buying. We're happy to continue bringing you bargain prices on these fine products in spite of the sliding U.S. dollar and inflation.

25-630 Roadlite Gumwall

This is an unusual model which deserves serious consideration by anyone desiring maximum performance without the compromise in durability involved in tires of less than 300 grams. Even though the 27x1x1 1/4 size means that it is the narrow, low-profile 25mm-type, the weight of 480 grams comes from thicker tread, gumwalls,

and casing material. With a 90-psi rating and 27mm actual width, this tire performs like a Roadlite but wears like a gumwall.

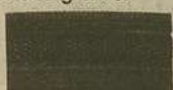
T51
\$5.88 ea/
\$11.69 pr



32-630 Skinwall (HiRacer)

Our all-time biggest seller, this famous 27x1 1/4x1 1/4, 90 psi tire has slightly thicker gauge nylon casing and slightly more sidewall rubber than the Roadlite model. Rugged, fast tread of medium file/ribs. Actual width: 30mm; weight 340 grams.

T52 \$5.00/5.90 ea
\$9.60/11.75 pr
mail order/store



32-630 Hi Press. Gumwall

Serious tourists swear by this popular model for its fantastic wear and comfortable handling even with 85 psi. Quality and appearance are as good as on our highest priced models. Chevron tread, 32 mm actual width, fits 27 x 1 1/4 inch rims

T-32 \$4.40/5.00 ea
\$8.69/10.00 pr
mail order/store



Tire Life

This versatile compound breathes new life into old rubber. A little applied to a gumwall gives a prettier shine than new rubber. It protects sensitive rubber from attack by smog, pollution and road hazards of all kinds. Recommended for any rubber application, not just bikes. Waterproofs sidewalls; used for repair of sew ups. Does not have adverse features of the other rubber product, Armor-All. Four ounce jar with applicator cap. S.W. 6 oz.

T-TL
\$1.98



NEW — Aluminum tire levers

With everything else so light, why carry heavy steel levers? Excellent quality, Japan. S.W. 2 oz. \$1.99/pr

New Michelin TS foldable clincher 25mm

Extra-narrow 90 psi tire with fiberglass bead. Fits only the extra-narrow type clincher rims. Tested . . . it works! Must be used with special TS tube. One size only: 25C - 622 (700C).

Tire: AW 185 gr/SW 10 oz T-TS

\$10.00 ea

Tube: AW 85 gr/SW 6 oz

\$ 3.50 ea



Tire-Rim Compatibility Chart

✓ Recommended
OK: Less than optimum fit
NO: Dangerous

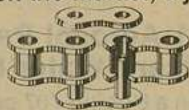
	RRE 25mm	RRE 28mm	IRC Roadlite Z	IRC Roadlite Gum	IRC Hi Racer Skin	IRC Hi Pressure Gum
Extra-Narrow Rims Sup Chmp 20, Rig 13-19, Mavic E, Wein 124, Ukai & Araya 19.7, etc.	✓	✓	✓	✓	NO	NO
Narrow Rims Araya 16(A)2N 22mm, Ukai Alum, Sup Chmp 22.5, Rigida Alu	OK	OK	OK	OK	✓	NO
Standard Hi-Pressure Araya 16A2, Fiamme, Rigida steel, Araya 27" H.P.	NO	NO	NO	NO	OK	✓

Chains

One of the most critical, and frequently overlooked, components is the chain. It's a waste to

change crank, freewheel, etc. without also improving the chain. This year we're concentrating only on those chains which offer true performance and value. If you want the best chain on the market, try the new Regina Record Oro.

Shipping weight all chains 1 lb.



Regina chains

The most demanded by cyclists, Regina continues

to be the performance leader. All models exceed the I.S.O. minimum breaking load of 1000 kg. and work properly with all popular components regardless of country.

Record Oro

\$14.88
CH6a



A new improved outer plate is tapered narrower in the area around the hole. This plus precision bevelling of all plate edges and a pin which fits flush with the plate surface gives it remarkable performance. In past years this model was merely the Oro with holes but this is no longer the case. 1/2x3/32x114L only. A.W. 336 gr

Spare link S.W. 2 oz. **\$1.50**

Supercorsa Oro

\$6.19/8.19
CH6



Familiar black and gold chain. '77 model is identical to Supercorsa black except for gold plating on outer link plates. 1/2x3/32x116L only. A.W. 343 gr

Spare Link S.W. 2 oz. **\$1.00**

Supercorsa Black

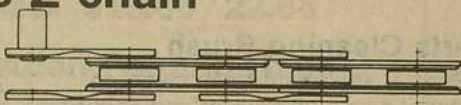
\$4.95 CH5

Very high quality steel chain without gold plating. But don't be fooled by fancy plating. This chain is superior to most of the "special" models in the world today. 1/2x3/32x116 only.

Spare link S.W. 2 oz. **50¢**

Sun Tour Trans Z chain

Revolutionary new design with bevels milled on the inside edge of the link plate. Beautiful shifting! Flat link plate can't stretch like bulged Uniglide. Black & gold only. 116L



2 versions:

Regular: For use on all 3, 4, 5, and 6-speed multiple freewheels except Sun Tour Ultra 6. CHZ **\$6.95**

Ultra 6: Extra narrow outside width designed to fit new Sun Tour Ultra 6 freewheel, but fits all other freewheels also. CHZ6 **\$7.95**

See pages 48-49 for more information.

Shimano Uniglide

\$6.19/7.19
CH9



New concept which expands the outer link plates to improve chain pickup and permit faster, quieter shifting. Black and gold finish. 120L

Excellent performance — amazing improvement

Sedis with Delta Process

CH2 **\$4.88**

Made in France. Good quality regular chain used as O.E. on many French Bikes. 116L, Black

Renold track chain

CH4T **\$6.95**

1/2 x 1/8" designed for the extra stress of racing. Top quality 112L, Black

1/2 x 1/8 Chain

CH7 **\$3.95**

For coaster, 3 speed, and track use. Black

Handlebar Accessories

Cotton handlebar tape

Finest quality available. Thick 100% cotton with chevron pattern. New transparent glue prevents that white mess. Rolled on individual spool enough for half of handlebar. Black, red, gray, dark blue, emerald green, light blue, orange, burgundy, lemon yellow, chocolate brown. One handlebar needs two rolls.

Per roll: AW 1 oz./SW 2 oz.

HT30

80¢/90¢/roll
mail order/store



on page 8

Grab On handlebar padding

Eliminates road shock through soft yet durable foam which lasts for years.

Absorbs sweat and washes to like-new condition. Dries instantly.

Maxi Kit consists of 4 pieces: 2 tops, 2 drops.

AW 7 oz./SW 12 oz.

\$6.69/7.95/set

mail order/store



HT33

The Tape by Skethia

Suede finished, cushioned, vinyl-backed. Totally different from the others and very popular. Eight beautiful colors: dark and light blue, green, bone white, gray, wheat, red, black. 2 rolls cover one bar.

AW 3 oz./SW 4 oz. HT36

\$1.99/2 rolls



Genuine leather handlebar tape



By Cyclegrip. Genuine 100% top grain leather set off by attractive accent stitch. Weatherproof tested. Top rated by *Bicycling* 11/75. Black, natural brown, dark blue.

AW 5 oz./SW 6 oz.

HT35

\$5.89/6.95

mail order/store

New improved edges won't curl up as on previous production.



Handlebar Plugs

Superlight Plastic Plugs

Screw and expander cone type. This is your best bet for lightness and reliability. Colors: black, white, blue, green, red.

AW 1/4 oz./SW 1 oz.

HP40

50¢/pair



Rubber Plugs

By Velox. Screw and expander cone type. France. Colors: black, white, red, blue.

AW 1 oz./pr./SW 2 oz.

HP41

95¢/pair

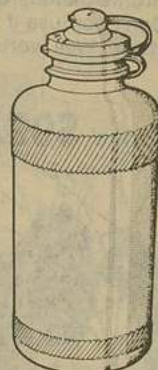


Water Bottles

The bottle is one of the simpler items to consider. It should be relatively leak proof. If it's made of virgin plastic, it should be odorless. Most important, it should look good! Cages, of either aluminum or steel, should hold the bottle snugly in place, preventing it from annoying bouncing.

Bikecology Water Bottle by AL-E of Italy

You cannot obtain a better quality bottle than our virgin plastic regulation-size bottle. It has the popular skirt cap and ridges for positive grasping. Color is dyed rather than painted. Used on Colnago and most other Italian pro bikes. Imprinted with our logo. Italy. White, Black, Blue, Red, Yellow. A/W 3 1/2 oz—S/W 5 oz



\$1.75

TA bottle cages

Over the years, TA has remained the most asked-for of all cages. Steel models have excellent chrome plate and nicely finished hardware. The popular anodized aluminum model makes an attractive accessory for all bikes.

TA steel cages

Model 215: Best Downtube Cage. Good chrome plating. Includes two metal straps for mounting. A.W. 5 oz/S.W. 8 oz.

TA215

\$3.59

Model 213: De lux Handlebar Cage. A.W. 5 oz/S.W. 8 oz.

TA213

\$3.59

TA aluminum cages

Aluminum downtube cage mounts directly to frames with brazed bosses on downtube. Also includes 2 aluminum mounting straps for frames without braze-ons.

A/W 2oz—S/W 5oz

Silver TA-417-S

\$9.25

Black TA-417-B

\$9.95

Bottle & cage sets

Economy bottle & cage set

White plastic bottle with squirt cap and chrome frame.

A.W. 6 oz/S.W. 11 oz. (set) A19

\$2.59

Economy set with thermic bottle

Actually maintains temperature of contents for several hours without unreasonable extra weight.

A.W. 11 oz/S.W. 14 oz A19T

\$3.95



Bikecology Roller

NEW

We really tested a lot of rollers—American, European and Japanese, before we decided upon the winner that bears the Bikecology label. Our criteria are: low price, silence, simplicity and overall quality. Since a roller is a sort of off-beat item, even for genuine cycling aficionados, we know that many people buy pretty junky, noisy ones without ever knowing the difference. By putting our label on it, we put our credibility on the line. Therefore, if you are not satisfied with our roller—for whatever reason, you may return it within 10 days for a full refund or credit.

Features:

Rollers: Precision round nylon surfaces. Front roller has painted wheel guide stripes that indicate safe riding zone. End plates are special noise absorbing natural fibre. Adjustable for any wheelbase 37 1/2-43", any fork rake.

Bearings: Large precision sealed transmission ball bearings. No bearing noise. 2 per roller.

Drive: Dual rubber-type belts mean 1/2 the stress imposed on single belt brands. Can't pop out of groove.

Frame: 4" extruded aluminum bar.

Warranty: 5 year unconditional all parts.

A.W. 18 lb/S.W. 20 lb.

only \$75.00

Accessories (Optional)

Stewart Warner resettable speedo.

Friction roller-type drive mechanism, works off front roller.

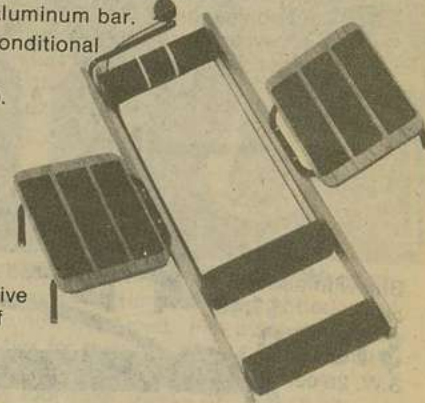
Extra \$14.00

Side steps. Full 24" long so that they are where you need them regardless of where on pedal rotation you dismount. Non-slip surface. Aluminum. A.W. 22 lb/S.W. 23 lb.

Extra \$39.00

Spare drive belt

\$4.89/ea.

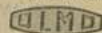


Monorullo by Olmo

Cross between roller and exercise cycle. Fork tips fit axle with quick release skewer. Bottom bracket rests on concave platform. Pressure clamp fits where kickstand would be. Rear wheel rolls against precision chrome drum with fabric braking pad for friction. The bike holding part detaches from floor base via two hand knobs. The great advantage of this device is that you can ride your own, properly fitted bicycle for the most efficient exercise. Unlike a roller, there is no problem with balance and safety.

S.W. 20 lbs OLMO-1

\$75.00



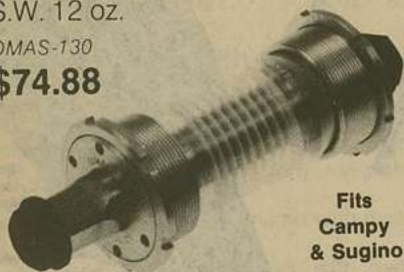
SUPERLIGHT

replacement items

OMAS Titanium BB assembly

Completely original design. This is a titanium axle with aluminum cups and shielded ball bearing cartridges. When the bearing cartridges snap into position in the specially machined cups, they are perfectly adjusted, thus requiring no "feel". Each cup has a lock ring. The spindle is meticulously machined titanium and fits Sugino and Campagnolo arms. With this quality, and only 185 grams complete, this is an outstanding value compared to anything like it on the market. Available Eng/68, Fren/68 and Ital/70 double only. S.W. 12 oz.

OMAS-130
\$74.88

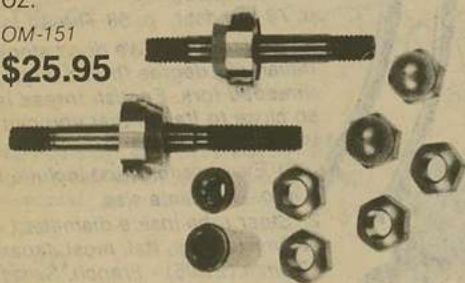


Fits
Campy
& Sugino

OMAS Brake bolt kit

Less than half the weight of comparable Campagnolo parts! Titanium center bolts and light alloy brake shoe nuts. Fits Campagnolo and Dura Ace. Italy. SW 2 oz.

OM-151
\$25.95



Important: Specify make of bicycle!

Guaranteed Lowest Price Policy Explained Page 69

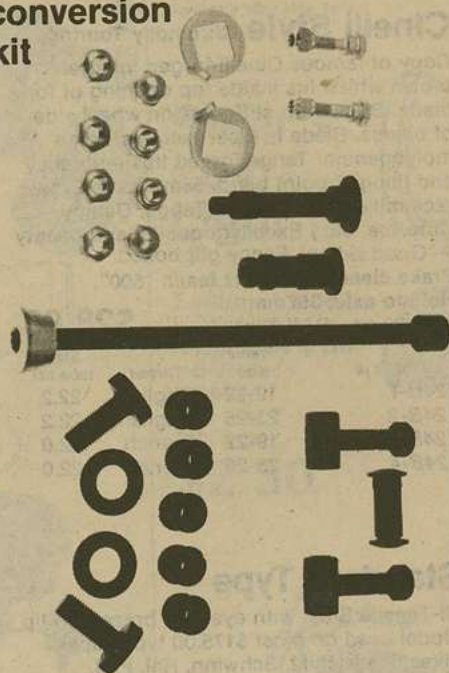
OMAS Complete bolt kit

Less than half the weight of counterpart Campagnolo and Cinelli items. Kit includes:

- Two 15mm crank arm fixing bolts and washers
- Derailleur upper pivot bolt and tension spring (fits Campag. only)
- Stop plates for Campag. down-tube controls
- Brake shoe nuts and brake center bolt nuts (fits Campy, Dura Ace and Gran Compe)
- Double chainwheel fixing bolts (fits Campag., Sugino)
- Stem expander bolt and cone (fits TTT Record and Cinelli)
- 8mm seat binder bolt
- Seat cradle bolts and bushings (fits Campag., SR)

All parts made of light alloy. Italy. AW 100 gr. SW 5 oz.

OM-160
\$27.95
Superlight conversion kit



15 gauge Robergel aluminum nipples

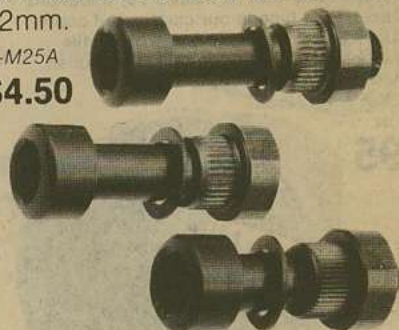
Fits only 3-Star, 15g spoke. No trade-in of brass nipples. Set of 37. SW 4 oz.

ROB-ALNP
\$2.50/set

Arnold seat tube binder bolts

Ultralight alloy. These bolts will equal or exceed the strength of most factory bolts. Their black anodized finish and neat shape will enhance the appearance of any bike. Allen bolt type. Measure outside width frame hole to determine proper bolt length. SW 2 oz. Sizes: 25mm, 28.5 mm, 32mm.

S-M25A
\$4.50



Arnold Superlight crank arm fixing bolts

To fit Campy, Sugino. 15mm.

748 ARN
\$5.50



Arnold Superlight derailleur bolt set

Two main bolts for Campy 1020/A S.W. 2 oz.

\$10.00/set

Fits Crane and Crane GS S.W. 2 oz.

\$10.00/set

Arnold Stem bolt kit

Arnold is a specialist in superlight alloy hardware. It has fabricated alloy replacements for many steel parts without any sacrifice in overall strength. Black anodized finish.

For Cin 1/A

STB-NC
\$9.88

For TTT Record (non-fluted)

STB-OT
\$10.95



Headsets

Campagnolo headsets with bearings

This headset has been our biggest seller in the Super Record series because its superior appearance and lighter weight make it a bargain for the price. Made of duraluminum with hardened steel bearing surface. Ball sizes: Road - 3/16"; Track - 5/32". Specify: English, Italian, French

Super Record Road

4041 S.W. 9 oz. \$36.88

Super Record Trk

4141 S.W. 9 oz. \$36.88

Record Road

1039 S.W. 12 oz. \$25.88

Record Track

1040 S.W. 12 oz. \$25.88

Campag. Headset Bearings for Record and Super Record

3/16" Road Retainers

(2) S.W. 1 oz.

C2101

\$2.00



5/32" track balls

(loose) S.W. 1 oz.

C2102

\$2.00

Jasik Headset Parts

Designed expressly to replace the lower head tube cup, crown cone and bearing of Campy Road and Track headsets.

Strange as it may seem, the corresponding Campy parts just don't hold up as well as most perfectionists demand. Made of high strength aluminum and polished to a beautiful lustre. Precision sealed bearings won't pit race and cone like Campy. S.W. 4 oz. JASIK-1

\$24.88

For more information on headsets, we recommend Sutherland's Handbook for Bicycle Mechanics, 2nd Ed. (available from us @ \$10.75, postage 35¢).



Tange-Levin

Our #1 seller restyled with name engraved on bearing covers like Campy bearing and larger oscillating angle of 43 30'. Can't distinguish from Campy at 2 feet distance. Precision ground, forged heat-treated races. 8 pieces. Micro adjusting, deep chrome plating. English thread only. S/W 12 oz

Locknut inside diameter: 22.4mm
Crown race diameter: 26.4mm
Head tube races diameter: 30.0mm

A/W 8 oz - S/W 11 oz HS-TL

\$8.95

DURA-ACE

Headsets with Bearings

Our best buy for quality, beauty and value. Appearance is identical to Campy. Black is available but so far Shimano has not introduced a light alloy version.

Ball sizes:

Road - 3/16"

Track - 5/32"

Dura Ace Road

English or French

Silver HS21-S

\$16.88

Dura Ace Road

English or French

Black HS21-B

\$17.88

Dura Ace Track

English only

Silver HS22

\$16.88

For Replacement Dura Ace Bearings: order Campagnolo



O.M.A.S. Headset

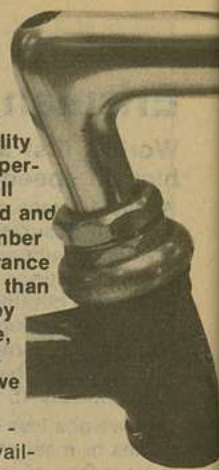
Used on more and more top Italian racing bikes. Top quality in every respect. Made of super-light anodized aluminum. Ball races are forged, heat treated and precision ground. Large number of 1/8" balls of <2 micron tolerance provide more contact points than fewer larger balls and thereby spread the load better. Large, gracefully rounded ball cups create an unusually distinctive appearance. S/W 9 oz

Available in Silver and Black - Mail Order. Red and Gold available through our stores only.

English HS-01 \$25.00

Italian HS-02 \$25.00

French HS-03 \$25.00



Stronglight model V4 Competition

This excellent set is popular among racers the world over, yet the price is still very reasonable. Includes 5/32 loose bearings. Available in English and French only. Made in France.

\$12.50

Stronglight model P3 Competition

Same dimensions as V4, but slightly less expensive. Includes 5/32 loose bearings.

\$7.95

Replacement Headset Bearings

Set of 50 (plus spares) 5/32" ball bearings - loose. Fits most original equipment headsets.

HS-100 S.W. 2 oz \$1.50

A.W.=Actual Weight
S.W.=Shipping Weight

may be supplied with either a 22.2 mm. (Engl. & Ital.) or .833" (non-531 Schwinn's and some Japanese) lock nut. An .833" lock nut will not accept 22.2 mm. stems such as those shown in our catalog. Most Japanese bikes have the stem diameter engraved on the lower part of the stem. The headset you order must match this measurement.

5. Most lock washers contain some sort of key or eccentric surface on the inside circumference. This area is designed to match a corresponding "female" surface on the fork steerer tube. If the headset you order does not match your steerer tube, it is acceptable practice to modify the lock washer by carefully filing it.

**In Doubt?
Have a good metric caliper?
Let us help you.**

Send with order:
1) Crown race inside diameter (of headset, not crown).
2) Head tube inside diameter at opening.
3) Lock nut inside diameter.

1. Those familiar with our past catalogs may wonder why we have neglected so many of the interesting new headsets now on the market. Well, we've tested them all and we are amazed to discover that each one contains some design factor which makes it incapable of installation on our customers' bikes. The variety of headset measurements is astounding. Headsets differ in the following areas:

Steer Tube Diameter - may be 22.2 mm., .833", or 21.85 mm.

Threading - may be one of the following:

English, Japanese 1" x 24 TPI BSC

French 25 x 1M

Italian 25.4 x 24F

Head Tube Diameter, Fork Crown Race

Diameter - If headset varies just .1 mm. from actual tube inside diameter, improper fit will result, since headsets are pressed fit into tubes.

Stacking - The height of the headset, when installed and stacked on frame, will affect where the locknut will engage with the steer tube threads and just how long the steer tube will have to be.

If you are buying a replacement headset,

we suggest that you buy an exact replacement, unless you are sure that a different headset matches your old one in the above dimensions.

2. Note that Campagnolo and DuraAce are equal to each other in head tube and fork crown race diameters, and fit the better English and Italian frames (Reynolds DB and Columbus DB). Stronglight's crown race is larger than Campy-DuraAce and fits most French, Swiss and Belgian plus Raleigh's with Stronglight original equipment. Once milled for Stronglight, a bike cannot take Campy-DuraAce, but not the vice-versa. The popular Tange-Levin is identical to Campy-DuraAce.

3. You will note that there is virtually no difference between English and Italian threads. Many mechanics achieve a forced fit of mismatched parts without ever noticing the difference. Actually, even though the diameters of the two are the same, the threads are cut at a pitch difference of 5°. The difference is considered so slight that some companies do not even make Italian.

4. Regarding the Steer Tube Inside Diameter (I.D.), English threaded headsets

Bob Jackson cycles

With 40 years of trend setting design and quality building, Bob Jackson of Leeds, England is one of the world's most famous names in custom cycles. Each year, importers in over 15 countries bid for an allocation of Bob Jackson's small production. Contrary to the practice of most famous builders who gear almost their entire production to one model, Bob Jackson takes great pride in being 100% flexible—ready and willing to tackle any custom design the customer desires. With 2 tandems, mixte, racing trike, 2 tracks, touring and several racing designs, Bob Jackson is one of the most versatile builders in the business. The Jackson factory is adjacent to its retail shop; certainly one of the nicest and best stocked in England. There are six master craftsmen and their own understudies working under the direct personal supervision of Mr. Jackson himself. Following traditional English procedures an entire frame is built by one artisan. Bob Jackson's painting (referred to as an enamelling there) is archaic by U.S. standards but superb. Each frame is sprayed and pin striped by hand in several separate stages. It is then placed in an iron and brick oven and baked until it becomes extremely hard. When combined with the superior English paints, this method creates one of the hardest finishes we have ever seen on a bicycle. Another important point is that we rarely stock the same model/size in the same color—a maximum effort is made to create some difference through pin-striping, etc. There are many new brands on the market now. But when you compare the low prices of these bikes from Bob Jackson with those of obscure competitors, you can appreciate the value even more. Our '78 prices have not even risen enough to reflect the adverse U.S. dollar exchange rate.

Special Nuovo Olympus Limited Edition

Last year we offered only 10 of these outstanding racing machines and they were sold out before they arrived. The design is identical to our Gran Prix model but the Olympus contains every desirable option—including Reynolds 531 super light tubing—plus extra attention to filing and finish. Some of the important features are:

- Haden cast crown and bottom bracket shell
- Haden cut-away de luxe thin lugs and brake bridge
- Campy Super Record dropouts and cable guides
- Low temperature silver soldering
- New imported Italian silver metallic painting with special black lacquer Jackson decals. Last year's 100% chrome plating was discontinued due to cost consideration.
- OMAS Superlight Black Headset

If you always wanted a Bob Jackson but with something extra special and unusual, this is the bike for you. We guarantee that only seven will be offered in the entire USA during 1978. Available for inspection in our Santa Monica store March 1978.

Sizes: 21, 22½, 23, 23½, 24, 25

\$350.00



Distinctive Haden lugs are extra-thin with perfect edges.



Elegant Haden crown with contrasting black trim.



Reinforcing tangs on seat tube and down tubes designed to stiffen bottom bracket. Round-oval-round stay.

Bikecology Stock Models

In order to have a selection available for immediate delivery, we stock the two largest selling models — one racing and one touring. Each is specially designed for us and is not available from any other dealer in the U.S. For the customer who desires extra features, we have added an impressive list of options to this year's catalog.

Bob Jackson price list and options

Gran Prix—Rake 16 Prix	\$235.00
Super Tourist	\$245.00
Tandem—Race	\$540.00
Tandem—Tour	500.00
Nuovo Olympiad Limited Edition	350.00

All prices include headset listed in specifications, downtube water bottle mounts with Allen bolts and hex wrench, chromed Allen seat lug bolt, rear tip adjusters, eyelet screws where applicable.

Optional Equipment

T.A. tandem cranks (complete)	\$197.00
Special Mafac bridge to seat stays	11.25 ea
Criterium brake bosses (cantilever)	11.25 pr
Campagnolo shift lever bosses (left and right)	11.25 ea
Allen key seat boss with key	11.25

Mafac cantilever brakes installed:

w/Campy-type levers	29.95
w/reg. lever	19.95

Optional Chrome Plating

Fork ends, half front	20.00
Fork tips, front (dropouts only)	17.00
New 531 Superlight tubing, fully silver soldered	62.50

Optional Messina style

Bob Jackson Gran Prix Rake 16 and Super Tourist may be special ordered with a "fastback" seat cluster and Cinelli-type full sloping forged, integral, fork crown. **add \$15.00**



Forged Integral Crown



Fastback Seat Cluster

Bob Jackson cycles



For 1978 we continue our two all-time best sellers, one for racing, the other for touring, from Bob Jackson of Leeds, England.

Gran Prix - Rake 16

This is a very light, short wheelbase, stiff design with highly responsive steering and maneuverability. It is ideally suited to the many criteriums, time trials, and short road races which are so popular in America. For the serious racer who desires a famous brand and great looks with his performance.

Seat	19	20	21	22	23	24	25
Top	21	21½	21½	21½	22	22½	23
Stay	16¼	16¼	16¼	16¼	16½	16½	16½
WB	38½	38½	38½	38½	39	39½	39¾

BB height: 10¾"

Rake 16 fork on Racing model. Gradual bend and slight rake offer very nimble, responsive steering ideal for criterium.

Gran Prix special features

- New Semi-sloping streamlined crown.
- Campy Super Record dropouts without eyelets.
- Jackson Rake-16 fork of 18/21 taper gauge 531.
- Non-indented round-oval-round stays for maximum stiffness.
- 700C wheel size. Brake hole to axle distance 360mm Rr/362 Fr. Fits 500 side pull brakes

\$235.00



Common specifications for Jackson Sup

- Reynolds 531 double-butt tubes, stays. Taper 18/21 gauge fork and butted steerer tube.
- Closed pressed steel bottom bracket shell
- TA water bottle bosses on downtube.
- Forged dropouts and tips.
- Tange Levin headset with precision-ground races.
- Cro-Moly allen seat lug bolt.
- Shift lever bracket stopper braze-on under side of downtube.

Bottom bracket of Rake 16 is pinstriped and not relieved. Chain stays are non-indented round-oval-round tubing for extra stiffness and a full appearance.

Campy dropouts on Rake 16 frame.

Semi Wrap-Over seat stays are 9/16" dia. in sizes 19-22 and 5/8" dia. in sizes 23-25. Note hand pinstripping on stays and tubes.

Long point Italia style head lugs with pin striping to match the contrasting head tube.

Bob Jackson cycles

Both are recognized everywhere; road and track, as finely handmade thoroughbreds from England's most famous builder. Each model offers important features for its design purpose.



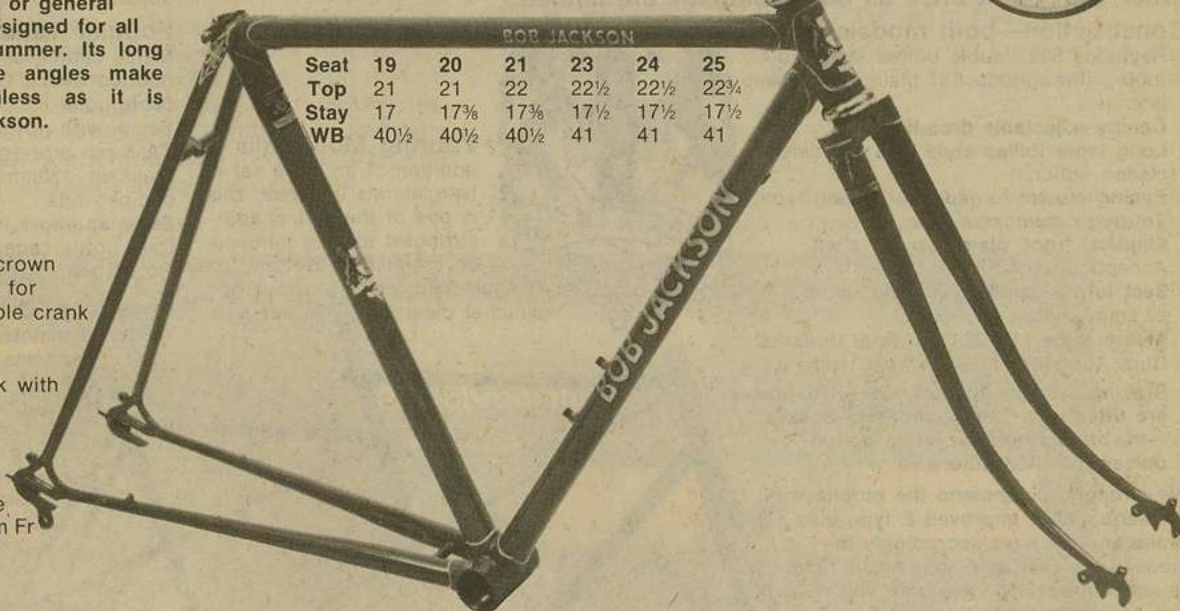
Super Tourist

Never conceived as a hybrid or general bike, the Super Tourist is designed for all touring from a day to a summer. Its long wheelbase and comfortable angles make prolonged riding as painless as it is pleasurable. The classic Jackson.

Super Tourist special features

- New precision long point crown
- Fluted/indented chainstays for maximum clearance for triple crank and large tires
- 72/72 degree angles
- 531 18/21 taper gauge fork with 2 1/4" rake and extra rack eyelets
- 27" wheel clearance. Side pull brake clearance with fenders. Brake hole to axle distance: 368mm Rr/370mm Fr

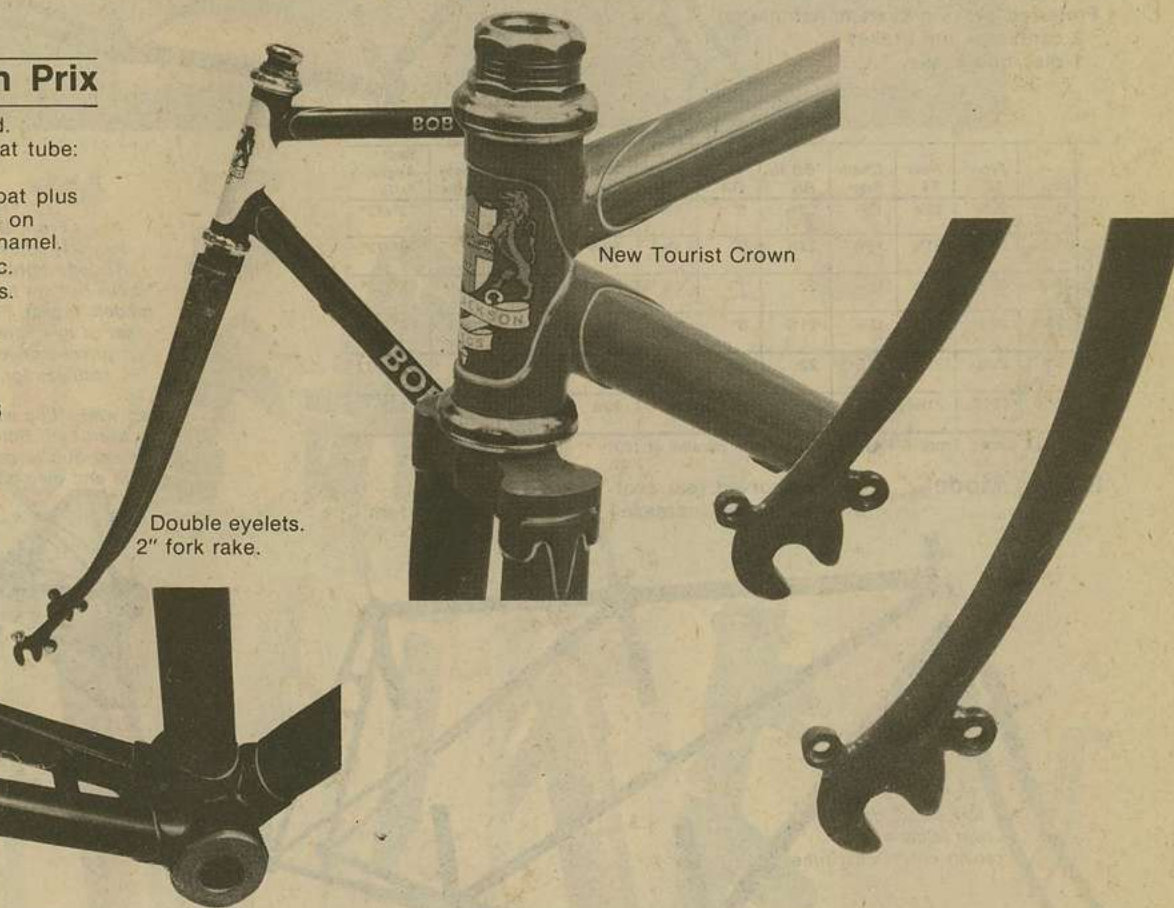
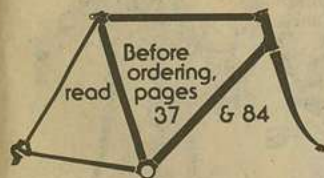
	BOB JACKSON					
Seat	19	20	21	23	24	25
Top	21	21	22	22 1/2	22 1/2	22 3/4
Stay	17	17 3/8	17 3/8	17 1/2	17 1/2	17 1/2
WB	40 1/2	40 1/2	40 1/2	41	41	41



\$245.00

Super Tourist and Gran Prix

- Steer tube: 22.2 I.D. English thread. Bottom bracket: 68mm English. Seat tube: I.D. 27.2mm, O.D. 28.6mm.
- Paint & Finish: Primer and clear coat plus one or two color coats, depending on whether metallic, flamboyant or enamel. Pin-striping around lugs, crown, etc.
- Italian style tapered long-point lugs.
- Closed bottom bracket.
- Semi wrap-over seat stays of size-coordinated diameter.
19"-22": 9/16", 23"-26": 5/8".
- Sizes: 19, 20, 21, 22, 23, 24, 25, 26



Bob Jackson cycles



Bob Jackson Tandems

Important note—Tandems

In 1977 tandem touring reached a new high in popularity. Many people sadly discovered that they could not just run down to their local shop and buy one on impulse. There are only about four top-quality tour tandem builders in existence and this catalog contains two of them. If you desire to own a handmade tandem, we urge you to book your order with us at once as our allotments are limited.

Construction—both models

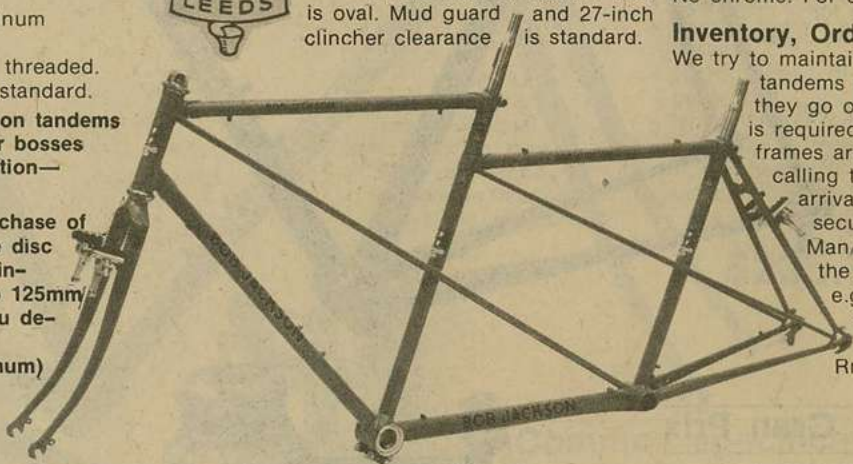
- Reynolds 531 double butted standard tubing throughout. 531 plain gauge twin laterals.
- Campy adjustable dropouts.
- Long taper Italian style lugs standard, Haden optional
- Racing crown: forged, full sloping type
- Touring crown: box type.
- Elliptical front, plain rear BB shell.
- Accepts any crankset.
- Seat tubes supplied with aluminum 27.2mm posts.
- Steerer tube I.D. 22.2mm Engl threaded.
- Dura Ace silver headset fitted standard.
- Braking system: All Bob Jackson tandems are fitted with Mafac cantilever bosses —the brake unit is an extra option— unless specified otherwise.

We strongly recommend the purchase of Shimano's new, improved E type disc brake and we have accordingly increased the rear axle spacing to 125mm to accommodate it. Any size you desire can be specially ordered.

Preferred braking system: (minimum)
2 cantilever rim brakes
1 disc hub brake.



Touring Model With the addition of an extra set of twin laterals this year, this is one of the stiffest and strongest touring tandems on the market. Bottom tube is oval. Mud guard and 27-inch clincher clearance is standard.



Prices, basic equipped

Short base Racing tandem **\$540**
Tourist tandem **\$500**

Standard Equipment included:

Includes Mafac cantilever bosses (not complete brake)
Dura Ace Headset
2 alloy seat post, 1 rear stem
Front bottle mounts, seat binder bolt, tip adjusters

Popular Tandem Options

Mafac cantilever brakes with gum hooded levers. One lever has 2 cable pulls **\$29.95**
Same, with normal levers **\$19.95**
TA 5 pin professional tandem double crankset, 170mm, 28T left, your choice rings **\$197.00**
Same as above, but triple **\$215.00**
Rear bottle cage mounts **\$7.50**
No chrome. For other options see p. 85.

Inventory, Ordering

We try to maintain a store stock but tandems usually sell the minute they go on display. A six month wait is required for new orders. But stock frames arrive all year long so by calling to check on upcoming arrivals you may be able to secure one much sooner. Only Man/Man is available and unless the halves are the same size, e.g. 23"/23", the rear must be at least 1 1/2" smaller than the front. Example: Fr. 24" Rr. 22 1/2"



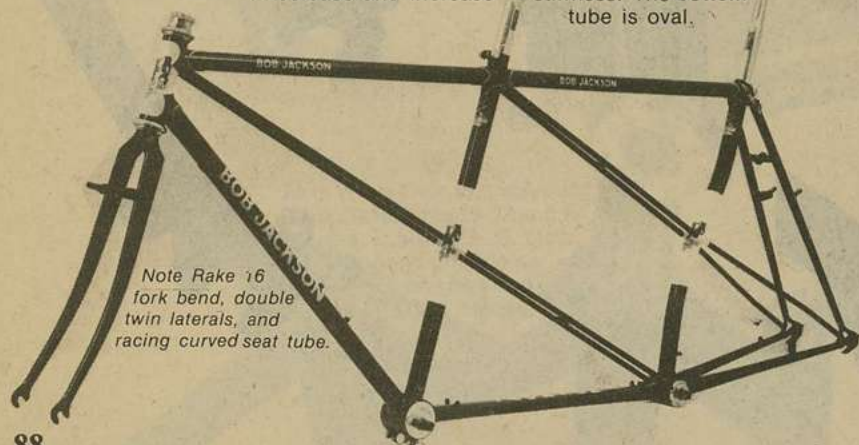
Tandem Specs

	Size	Front TT	Rear TT	Chain Stay	BB to BB	Head Tube OA	Fork Rake	Wheel Base	Wt	Angle	Seat Angle
Race	23/23	22 1/4	22 1/4	15 1/4	22 1/2	6"	1 1/2"	61 1/2"		73°	73°/72°
	21/21	22	21 1/4	15 1/4	21 1/2	5"	1 1/2"	59 1/2"	12 lb 11 oz	73°	73°/72°
	24/22	22 1/2	21 1/2	15 1/4	22	7"	1 1/2"	60 1/2"	12 lb 11 oz	73°	73°/72°
	23/21	22 1/4	21 1/4	15 1/4	21 1/2	6"	1 1/2"	60 1/2"	12 lb 11 oz	73°	73°/74°
Tour	23/21	22 1/4	21 1/4	17 1/4	22	6"	2"	62 1/2"	12 lb 11 oz	71°	72 1/2°/72°
	23/19	22 1/4	21 1/4	17 1/4	21 1/4	6"	2"	62 1/2"	12 lb 9 oz	71°	72 1/2°

In ALL cases, Front & Rear top tubes were parallel at 180°

Racing Model

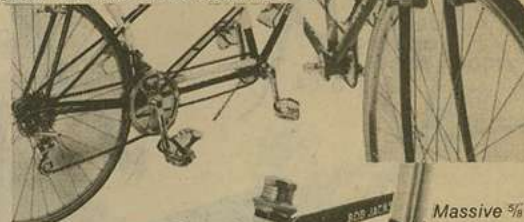
Features curved rear seat tube to shorten wheelbase and increase stiffness. The bottom tube is oval.



Note Rake 16 fork bend, double twin laterals, and racing curved seat tube.

Racing model. Front BB shell (both models) adjusts externally to permit tightening of left chain. Bottom tube of both models is oval. Front set of twin laterals provides necessary stiffness for racing.

Also works fine with chain rings on front half. Both laterals flare out near hub to permit plenty of chain and disc brake clearance.



Mafac brake pictured.

Forged, integral crown for maximum strength and rigidity.

Massive 3/8" Ø seat stays for strength



Bob Jackson Colors

These beautiful finishes are the Bob Jackson "trademark" and are available on all of our models. Due to the large number of colors and even larger quantity of combinations, it is impossible to stock everything at any one time. We intentionally order color and decal combinations, with a few exceptions, in a way that makes it very unlikely for there ever to be two identical looking, same size/model bikes. When ordering your Bob Jackson frame, refer to the standard stock colors in each section. Please be sure to list a second preference. We will immediately notify you of every color then or soon available in your size/model choice. The combinations shown here are not mandatory but are merely offered as possible suggestions for attractive styles. Any colors may be ordered "solid" or in combination with any other color on this page. Some variation between actual paint and the printer's ink on this page should be expected.

Bob Jackson colors are limited to those shown here.

FLAMBOUYANT OR CANDY APPLE

The primed frame is painted with a highly reflective silver or gold depending on the final color. Several coats of flamboyant lacquer are applied over the under base color resulting in a very deep and translucent appearance. This procedure is sometimes referred to as "candy apple".

POLYCHROMATIC or METALLIC

The finish coat is also deep clear gloss but the silver is seen as tiny iridescent specs in the color. This is very popular on new cars and motorcycles.

GLOSS ENAMEL

These are basic or solid colors without any silver element. One advantage is easier matching when repainting damaged parts.



POLY. SILVER
DK. RD. FLAM.



CHROME



BLAZE ENAM.



CHAR. POLY./
WHT. ENAM.



DK. BLUE FLAM./
SILVER POLY.



ENAM. RD. BLK.
YEL.



IVORY ENAM.



PUR. FLAM.



BLU. POLY.
CHROM./SILVER
POLY



LIME GR. ENAM.



BLU. POLY./SIL.



PEN. BRNZ./
GLD. POLY.



GR. POLY./
LT. GR.-GREY



YEL. ENAM./DK.
BLU.



PENNY BRONZE
GLD. PAN.



PACIFIC BLU.
ENAM.



SIL. POLY./
LIL. ENAM.



DK. GR. FLAM.
IVORY

Mercian cycles

Mercian is a small family-owned manufacturer of custom cycles in the village of Derby in the English midlands. It is very well known for design originality, excellent craftsmanship and beautiful enamelling. In fact, cycle shops all over England send bikes to Mercian for reworking and painting. For these reasons, we were quite pleased to receive an appointment as California's exclusive store and America's exclusive catalog representative. This is another example of how we try to supply our customers with quality brands of international repute.

For 1978 Mercian has created a completely new tandem design which we feel is the most advanced concept in the industry (see page 92). The Vincitore Tour is a limited production exotic machine for the sophisticated rider who desires art with his transportation. The King of Mercia Tour is identical to the Vincitore except for a lower price due to the simpler lugs and other details. Either can be specially ordered in a road racing version.

All Mercians exhibit the highest level of meticulous artisanship available in the world today. We feel that a Mercian is as much a collector's piece as a bicycle.

M E R C I A N

Mercian Colors Only those with *asterisk are in stock. Others must be special ordered.

Flambouyants	Polychromatic Metallics	Enamel
*Ruby (Vincitore standard)	*Champagne	Sky Blue
*Red	*Purple	Cherry
*Caribbean blue	*Silver	Canary
*Emerald green	*Smoke blue	Chocolate
*Purple	*Gunmetal gray	British racing green
*Dark blue (Vincitore standard)	Gold	Orange
Turquoise	Coffee Bronze	Royal blue
Magenta	Golden Bronze	Light brown
Rust		
Gold		

Notes 1) Since it is impossible to stock every size in every color, you should specify multiple color choices when you order a stock frame.
2) The Vincitore may be ordered in any of the above.



Materials

- Reynolds 531 double butted throughout
- 18/21 taper gauge forks with Mercian bending
- Vincitore Mercian custom lugs, bottom bracket and crown
- King of Mercia Prugnat lugs
- Campagnolo Record or Shimano SF dropouts with eyelets

Fittings of Vincitore and King of Mercia

- Campy bottom bracket cable guides and chainstay housing stop
- Eyelet screws
- Water bottle cage screws
- Chromolly Allen seat lug bolt with wrench
- Tange Levin headset

Specifications of Vincitore and King of Mercia

Axle space: Rr 120mm Fr 100mm
 Seat tube ID: 27.2mm
 Steerer Tube ID: 22.2mm
 Bottom Bracket: 68mm, English
 Brake hole to axle distance: Front: 368mm
 Rear: 370mm. Made for 27" wheel and mudguards with 500 side pull brake
 Headset milling: 26.4mm
 Stock sizes: 19, 20, 21, 22, 23, 24, 25.
 Others available on special order.

Stock Colors

Vincitore:

Ruby flambouyant with gold metallic seat and head panels, ivory pin-striping.

Candy apple royal blue flambouyant with silver metallic seat and head panels, white pin-striping.

King of Mercia:

See stock color list, and color photos for additional colors by special order.

Custom Orders

Any color and/or specification change you desire may be ordered provided that:

- 1) You agree to wait up to 6 months and
- 2) A non-refundable down payment of 50% accompanies order.

You may inspect over 50 standard Mercian colors in our Santa Monica store.

Prices

Vincitore	\$325.00
King of Mercia	\$275.00
Mixte	\$270.00
Tandem	\$695.00

Optional Equipment

Campy shift lever bosses on downtube	\$13.50
Mafac Criterium cantilever brake bosses (4)	\$20.00
For Vincitore, King and mixte	
Rear centerpull brake bridge on seat stays. Chrome is not offered.	\$8.00
531 special lightweight tubing	\$75.00
Continental section fork blades w/special semi sloping crown	\$22.00
Top tube cable housing guides (3)	\$8.00



Mercian cycles

The Vincitore Tour

For the small band of traditionalists who reject the Italian-style look so popular today, we present the 100% old English style Vincitore. Only a small quantity is made each year and the actual frame is far more beautiful than our catalog can depict. But the Vincitore is not strictly an art object; it rides as well as it looks.

All 3 lugs and the BB shell begin as plain blanks without the slightest ornamentation. The incredibly beautiful, elegant patterns in the photos are actually cut and filed by hand, individually. Two entire normal frames can be made just in the time required to create these lugs. Artistry like this is more a product of a bygone era than of today's stereotyped world.

Another special feature of our Vincitore is the exclusive color combinations which will give it instantaneous recognition. The "candy apple" burgundy has a gold metallic head tube and seat tube panel. The royal blue, also a "candy apple" finish, has contrasting panels of silver metallic. Both colors feature clean, precise lug outlining in white. It's truly one of the most distinctive bikes we have ever sold.



Mercian Vincitore Tour, the Ultimate handmade cycle.



Hand cut from blank lugs.



Even BB shell is custom made. Campy cable guides.



A beautiful effect from this difficult operation.

King of Mercia

The King is Mercian's biggest seller in England because it offers Vincitore features like the wrap-over stays, fancy crown, and fine workmanship at a more competitive price. The tubing is Reynolds 531 Double Butted throughout with Campy or Shimano dropouts. The King is ideal for riders who want a bike which is technically flawless and very beautiful without being overly fancy and therefore costly.

Vincitore and King of Mercia Tour

Seat Tube	19½	20	21	22	23	24	25
Top Tube CC	19¾	20½	21½	22	22¾	22¾	23½
Seat Angle	74°	73°	72°	72.5°	72.5°	72.5°	72.5°
Head Angle	71°	72°	71°	72°	72°	72°	72.5°
Wheel Base	38½	39½	40	40½	40½	40½	40¾
Chain Stay CC	17	17	17	17	17	17	17
Head Tube OA	3¼	3¼	4	4¾	5¼	6¼	7¼
BB (mm)	68	68	68	68	68	68	68
Fork Rake	1¾	1¾	1¾	1¾	1¾	1¾	1¾



Round-oval stays.



Very modern, clean head lugs with elaborate crown go well together.

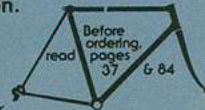
Ms. Mercian

Now beautiful Mercian workmanship is available in a mixte design with Reynolds 531 double butted tubes that weighs only 6 lbs 8 oz. with headset.

With a wheelbase of only 39½" this tourist offers excellent response. The 2" fork rake makes turning nimble yet forgiving. Finish is typical Mercian perfection.

Specifications

Seat tube: 19"
 Wheelbase: 39½"
 Rake: 2" 18/21 gauge taper
 Chain stays: 17¼" Round-oval-round
 Bottom Bracket: 68mm English
 Brake: 368mm Front; 370mm Rear
 For 500 side pull, 27" mudguards
 Crown race: 27.0mm
 Head tube I.D.: 30.0mm
 Steer tube: 22.2mm English
 Seat tube: 27.2mm
 531 Double butted throughout
 Weight: 6 lb 8 oz



Fittings

- Campy Road dropouts with screws, eyelets
- Campy BB cable tunnels
- One pump peg on seat tube
- Water bottle bosses with screws
- Chromolly Allen seat lug bolt
- Cable housing guides top left lateral for side pull brake. Brake hole on middle stays.
- Cable housing stop—Chain stay
- Clip stopper boss underside of downtube
- Tange Levin headset installed

Stock colors and sizes

Sizes:
19, 20, 21

\$270.00

Colors:
Champagne, Lavender, Burgundy, Royal blue.



Mercian's own custom seat lug and matching reinforcement on joins at twin laterals and seat tube. Brake mounts on middle stays. A top pump peg on seat tube permits use of Silca or Zetal. Actual production model has bottle bosses on downtube and pump on seat tube.

Very clean attachment of laterals to head tube, and tight head lugs on this 19".

Mercian cycles

The Bikecology Tourist Tandem

After two years of planning and testing, we offer you the finest tandem frame ever produced. Nothing else in the world can compare with this machine's handling, workmanship, and beauty—at any price. The design is extremely responsive yet comfortable, making it suitable for racing as well as touring. The entire frame is made by Mercian's top builder, a man with over twenty years of experience. All of the specifications are exclusive to the Bikecology version but can be changed to a customer's requirements provided that sufficient time and deposit are allowed. The bike pictured was a prototype with a few very minor differences from the final version. Therefore, the written descriptions control over the pictures.

Reynolds 531 tubing

- Plain gauge head tube 1 1/4" O.D./30.0mm I.D.
- Double-buttet downtube 1 1/4" O.D.
- Double-buttet diagonal tube 1 1/8" O.D.
- Single-buttet seat tube 1 1/8" O.D.
- Taper gauge 5/8" O.D. seat stays and 9/16" laterals.
- Taper gauge chain stays; tip end 13.2mm BB 19.6 x 24.6
- Oval tandem tube
- Special large-section Tandem taper gauge fork blades; tip end, 15mm; crown end, 19.7 x 28mm. Forged Cinelli crown.

Major fittings brazed

- Mafac Criterium cantilever bosses and seat stay bridge
- Top tube cable housing guides, front and rear
- Bottle cage bosses, front & rear
- Integral seat lug Allen bolts
- Elliptical front bottom-bracket shell
- Pump pegs
- Rear caliper brake hole in stay bridge
- Double cable tunnels on front & rear bottom brackets
- Downtube (fr.) double housing stops for Barcon levers

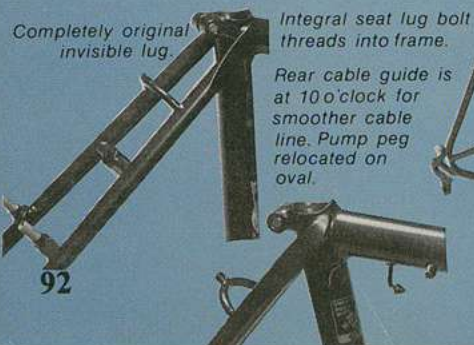
Important specifications

- Crown race:** 26.4mm BSA thread
- BB width:** 68mm, BSA
- Axle space:** Front 100mm, rear 125mm, clearance for Shimano or Phil Wood disc brakes
- Wheel size:** 27", mudguard clearance
- Caliper brake size:** 730
- Pump length:** 18"
- Seat tube I.D.:** 27.3mm
- Crankset capabilities:** Triple OK—chainrings on rear—primary chain either side.
- Freewheel Capability:** With disc brake: normal 5-speed or Sun Tour Ultra 6. W/O disc brake: any 5 or 6-speed. 15 or 18-speed use: recommend thin chain such as Ultra-6 or Regina Record. Rear stem and 2 aluminum seat posts included.

Tandem specifications

- Seat tubes:** 23/21"
- Top tubes:** 21 1/8" 22 1/8"
- BB to BB Center:** 22 1/2"
- Angles:** Head 73° Seats 71°
- Chain stays:** 17"
- Head tube:** 6 1/4"
- Fork rake:** 2 3/8"
- Weight:** 13 lb 2 oz
- BB height:** 10 1/2"
- Length overall:** 89 3/4"
- Wheelbase:** 63"
- Rear brake to axle distance:** 368mm
- Rear axle space:** 125mm
- Front axle space:** 100mm

Frame: **\$695.00**



\$1395 Package Deal

- Frame and fork with all braze-ons and fittings.**
- Wheels:** Phil Wood 40H tandem front & rear. QR front double-threaded in rear. TD 14g spokes 4X. Super Champion 27" 40H clincher rim. 28C-630 90 psi skinwall tires.
- Brakes:** Shimano E disc. Mafac cantilever front & rear. All front rider controlled.
- Crank:** TA Professional triple crossover. Any arms, rings.
- Freewheel:** Sun Tour Ultra 6—any size.
- Derailleurs:** Sun Tour Cyclone GT.
- Shifter:** Sun Tour handlebar end control.
- Chain:** Sun Tour Ultra 6.
- Pedal:** Sun Tour VX, straps & clips
- Seat:** Selle Milano Anatomic Touring, lady or man, or Ideale 90 steel.
- Post:** Aluminum.
- Stem:** SR New Royal.
- Bar:** SR choice of Maes or Randonneur. Tape, plugs to match.
- Bottle (2):** Bikecology—AL-E with cages.
- Pump:** Silca to fit frame.

\$2000 Package Deal

- Changes to other kit**
- Campy rear caliper brake with lever on rear handlebar (total 4 brakes)
- Phil Wood disc brake rear
- Choice of any derailleur & levers by Campy, Shim, Sun Tour, Huret
- Campy seat posts
- Cinelli Record stem and handlebars
- Campy Record Superleggero pedals (4)
- TA aluminum bottle cages
- Mafac Professional brake levers—front
- Campy Super Record headset with special Jasik bearings and races